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CLIMATIC LABORATORY EVALUATION OF THE HH-53C HELICOPTER

(DATA SUPPLEMENT)

JOHN L. BARBAGALLO
Systems Engineer

ASTDE TECHNICAL REPORT No. 70-29

MAY 1973

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(10) JOHN L. BARBAGALLO
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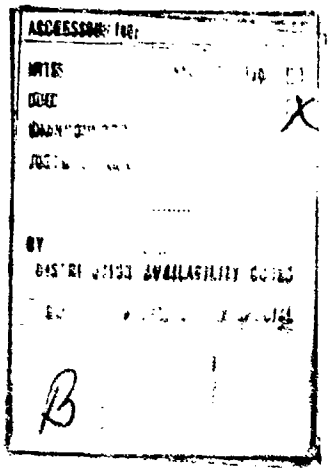
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FOREWORD

This report presents selected detailed test data accumulated during the climatic laboratory phase of the Category II climatic tests from 5 March to 27 August 1970. Test results, conclusions and recommendations are presented in the basic report: Climatic Laboratory Evaluation of the HH-53C Helicopter, ASTDE-TR-70-29, 7 December 1970.

The test helicopter, S/N 68-10354, was a rescue version of the H-53.

Test authorities of the program were AFSC Project 482A, ASD Project 482A(605), and AFFTC Project Directive No. 71-24.

Foreign announcement and dissemination by the Defense Documentation Center are not authorized because of technology restrictions of the U.S. Export Control Acts as implemented by AFR 400-10.

Prepared by:

JOHN L. BARBAGALLO
Systems Engineer

ABSTRACT

The HH-53C underwent extreme environmental tests as part of the Category II All Weather tests. Testing was accomplished at the Climatic Laboratory, Eglin AFB, Florida ~~(reference 1)~~, at Eielson AFB, Alaska ~~(reference 2)~~, and in a desert environment at El Centro Naval Air Facility, California, ~~(reference 3)~~. Test data from these tests are published as data supplements to the basic technical reports and are printed under separate cover.

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LIST OF ABBREVIATIONS

Item	Definition
AFCS	automatic flight control system
AGE	aerospace ground equipment
APP	auxiliary power plant
ASD	Aeronautical Systems Division
C.A.	chromel alumel (type of thermocouple)
CTR, C/N	instrumentation sweep counter number
dig	digital (type of instrumentation system)
D/P	differential pressure (lb per sq in.)
EAPS	engine air particle separator
EGT	exhaust gas temperature (deg C)
FOD	foreign object damage
fpm	feet per minute
GET	General Electric Company test parameter
I.C.	iron constantin (type of thermocouple)
IGB	intermediate gearbox
LH	left hand
N_f	power turbine speed (pct rpm)
N_g	gas generator speed (pct rpm)
NGB	nose gearbox
N_r	rotor speed (pct rpm)
OAT	outside air temperature (deg C)
PA	pressure altitude (ft)
press.	pressure (lb per sq in.)
RH	right hand
T_5	turbine inlet temperature (deg C)

INTRODUCTION

GENERAL

The test helicopter, S/N 68-10354, was a rescue version of the H-53. The HH-53C test helicopter has the same systems as the CH-53 aircraft, so the climatic tests are also valid for the CH-53. The aircraft systems were instrumented to show environmental effects (reference 4).

TEST HISTORY

The new vehicle, S/N 68-10354, and test instrumentation were originally accepted by the Air Force at the Sikorsky Aircraft plant at Stratford, Connecticut, on 4 December 1969. Subsequently, adverse weather tests and climatic laboratory tests were conducted by the Aeronautical Systems Division (ASD). After the climatic laboratory test, the responsibility for conducting Category II tests for the HH-53C was transferred to AFFTC at Edwards AFB, California. The HH-53 was then flown to Eielson AFB, Alaska, where arctic tests were completed from 6 January to 26 February 1971. The aircraft remained at Eielson AFB for the artificial phase of the icing program. The artificial icing tests were conducted from 19 through 31 March 1971. The aircraft departed for Elemdorf AFB, Alaska, on 3 April 1971 to seek natural icing conditions. The natural icing phase was completed on 10 April 1971, but systems evaluation continued until 13 April, at which time the helicopter returned to Edwards AFB. The aircraft was then flown to El Centro, California, to complete extremely hot temperature tests. Testing was conducted from 14 June to 7 August 1971, when the helicopter was returned to Edwards AFB to instrument it for the follow-on performance tests. Follow-on performance tests (high altitude, high power) were conducted from 25 September to 17 November 1971. Salt water ingestion tests were conducted from 18 to 28 November 1971.

TEST SYNOPSIS AND DATA

GENERAL

The climatic laboratory test phase consisted of 36 tests (referred to as runs). It should be noted that the climatic laboratory tests consisted of normal aircraft operation, even though the aircraft was secured to the test chamber floor. A Flight Manual type checklist was used for operation and all components were operated, including guns, rotors, and engines (up to maximum power was used on the engines).

The amount of time/starts accumulated on major aircraft components during the climatic laboratory tests is as follows:

Engine No. 1	26 hrs
Engine No. 2	28 hrs
APP	43 hrs
APP Starts	129
Rotor Drive System	27 hrs
Accessory Gearbox	70 hrs

For test runs 22 through 26, additional instrumentation was installed in the engine oil systems, including calibrated oil pumps (which were operated at various flow rates). The engines were operated at various power settings up to maximum power and oil temperatures were allowed to stabilize. Tests were conducted at test chamber temperatures of 70, 103, and 125 degrees F. The engines approached, but did not exceed, the engine oil temperature limit.

A summary of all the tests is presented in table I.

Sixteen runs were selected for presentation in this report: 2, 4, 6, 15, 19, 21, 22, 23, 24, 25A, 25B, 25C, 26, 28, 34, 35. Data from these runs are presented. Portions of the data have been deleted when it was evident that errors existed because of instrumentation malfunction.

AIRCRAFT INSTRUMENTATION

The aircraft instrumentation consisted of a low speed digital tape recording system and a photopanel mounted on a test table. In addition, an oscillograph was used during the climatic laboratory tests and the icing tests. All of these were connected to the aircraft test instrumentation wiring in the aircraft. The Air Force furnished the instrumentation systems and the contractor (Sikorsky Aircraft Corporation) instrumented the aircraft. The photopanel and oscillograph were capable of recording much faster than the digital tape recording system and therefore were particularly useful for recording data during APP and engine starts. Excluding the reference and time parameters, there were approximately 195 parameters recorded on the digital tape recording system, approximately 40 parameters on the photopanel system, approximately seven paramaters on the oscillograph at the climatic laboratory, and three parameters on the oscillograph during the icing tests. The aircraft test instrumentation was normally operated for each test mission from preflight to after engine shutdown.

The digital tape system was capable of recording a complete sweep of all parameters in approximately 20 seconds. The parameter sweep and the interval between sweeps could be varied.

The photopanel camera was capable of operating at a maximum speed of four frames per second to record rapid transients. The camera control could be slaved to the digital system so that a frame of photopanel data would be recorded for each digital sweep.

Data reduction of the information recorded on the digital tape was accomplished by using computer processing, which provided prints of data in tabular format. The computer processing system also provided selected data printout in graphical format. The selected photopanel data were reduced by hand and are presented in tabular form.

GROUND STATION INSTRUMENTATION

The following ground station instrumentation was used:

1. Climatic laboratory test chamber air temperature. A continuous-reading recorder was used to record the test chamber temperature. Recordings were taken 24 hours a day.

2. Climatic laboratory test voice recording. A voice recording system which was part of the climatic laboratory was also used. All aircraft aircrew and other test participants made voice comments on test procedures and progress, time correlation, and significant occurrences.

3. Climatic laboratory test chamber pressure differential (compared to ambient air pressure). A continuous reading recorder was used to record the test chamber pressure differential. Recordings were taken 24 hours a day.

4. Data playback unit (quick-look data printer). This data playback unit was used for all test phases. It provided printed tabular "raw" data from the aircraft digital instrumentation recorder tape. The raw data had to be manually converted to real data. It was used to obtain information for troubleshooting the aircraft digital instrumentation system or to monitor suspected problem areas in the aircraft systems.

PARAMETER LIST.NG

The aircraft test parameters are listed in the following tables:

Table II - photopanel

Table III - digital magnetic tape

Table IV - oscillograph

HOW TO USE THE TABULATED DIGITAL DATA

Following are the reduced, edited, and tabulated digital data from 16 of the climatic laboratory runs. Each of the tests were selected for the most representative climatic data or to document specific subsystem tests. Data are presented for each temperature level and test condition. In the tabulated data that follow, the individual digital test parameters (temperature, pressure, rpm, etc.) are designated by three numbers (such as 1-01) and the abbreviated name of the parameter (see table II for non-abbreviated names). The first number from 1 to 8 of the three-number designation is the switch box number. Generally, boxes one and two contain pressure, flow, rpm, and engine power parameters, while boxes three through eight contain temperature parameters. The second two numbers in the designation (01 to 29) give the step position within the box.

Elapsed time is given in minutes and seconds (hours for soak data). The first column of numbers on each page is entitled SWEEP COUNT. This column lists the number of times that the test parameters have been sampled at any particular time. The numbers in the column are referred to as counter numbers (C/N). The counter numbers are cumulative and are used to identify events and to correlate data with events. The correlation of the data trends throughout each test is made by referring to the applicable event sheet for the tabulated data for each flight, noting the counter number at which an event took place, and then referring to the data at that counter number. The elapsed time between counter numbers is normally about 20 seconds, but could be varied by the operator.

Unless otherwise noted, an asterisk indicates that a data point has been removed because of defective instrumentation or other causes resulting in erroneous data.

Table I

SUMMARY OF CLIMATIC LABORATORY TESTS

Run No.	Date (1970)	Test Temp (deg F)	Identification	Remarks
X	5 Mar	Ambient	Shakedown	Check of aircraft and instrumentat
X	6 Mar	Ambient	Shakedown	Check of aircraft and instrumentat
1	10 Mar	70	Baseline	Abort - winch pump failure (powers
1	12 Mar	70	Baseline	
2	13 Mar	70	Baseline	
3	17 Mar	0	Test	
4	19 Mar	0	Test	
5	24 Mar	-25	Test	Instrumentation failure - much of recorded data available. Right ru
6	25 Mar	-25	Test	Heater would not start on first tr
7	27 Mar	-25	Test	Instrumentation failure; no digita
8	31 Mar	-45	Abort	APP would not start.
9	7 Apr	-45	Abort	APP would not start. Fire extingu
10	25 Apr	0	Maintenance	APP generator failure.
11	28 Apr	-45	Maintenance	APP run. Engine start. Heater op on APP speed switch (2 starts).
12	6 May	-45	Abort	Utility reservoir failed. No preh
13	11 May	-45	Abort	Fuel puddles in exhaust. Heater w preheated (1 start).
14	12 May	-45	Abort	Ice on main rotor blades. APP spe starts total with preheat).
15	13 May	-45	Test	APP speed switch stuck on 2nd star heat).
16	14 May	-45	Abort	Heater and rotor brake failure - A
17	15 May	-45	Test	Heater inoperable.
18	21 May	-65	Test	Heater inoperable. Engine No. 2 n
19	23 May	-65	Test	Heater partial operation. Engine
20	26 May	70	Baseline	Temperature cycled from -65°F to 1
21	28 May	125	Test	Engine No. 2 inoperable.
X	29 May 30 Jun	X	No test	Climatic lab repair.
22	1 Jul	70	Baseline	Engine No. 2 again operational; sh mentation, etc.
23	2 Jul	103	Eng Topping	Engine test lube pumps at low flow
24	7 Jul	103	Eng Topping	Engine No. 1 test lube pump at low high setting.

Table I

OF CLIMATIC LABORATORY TESTS

Remarks
Check of aircraft and instrumentation.
Check of aircraft and instrumentation.
Abort - winch pump failure (powers engine start system).
Instrumentation failure - much of digital data lost. Photo recorder and hand-recorded data available. Right rudder pedal creep experienced.
Heater would not start on first try.
Instrumentation failure; no digital data
APP would not start.
APP would not start. Fire extinguisher bottle leaked pressure.
APP generator failure.
APP run. Engine start. Heater operation. Flight control check. No preheat on APP speed switch (2 starts).
Utility reservoir failed. No preheat on speed switch (4 starts total).
Fuel puddles in exhaust. Heater would not start first try. APP speed switch preheated (1 start).
Ice on main rotor blades. APP speed switch stuck; released after heating (3 starts total with preheat).
APP speed switch stuck on 2nd start despite preheat (5 starts total with preheat).
Heater and rotor brake failure - APP speed switch preheated.
Heater inoperable.
Heater inoperable. Engine No. 2 nose gearbox failure.
Heater partial operation. Engine No. 2 inoperable.
Temperature cycled from -65°F to 125°F to 70°F. Engine No. 2 inoperable.
Engine No. 2 inoperable.
Climatic lab repair.
Engine No. 2 again operational; shakedown run to check engine No. 2, instrumentation, etc.
Engine test lube pumps at low flow setting.
Engine No. 1 test lube pump at low setting. Engine No. 2 test lube pump at high setting.

Table I (Concluded)

Run No.	Date (1970)	Test Temp (deg F)	Identification	Remarks
25	8 Jul	125	Eng Lube Test	Instrumentation failure; no digita setting rotor head vibration.
25	13 Jul	125	Eng Lube Test	Engine test lube pumps at low and
26	14 Jul	125	Eng Lube Test	Engine test lube pumps at medium s
27	17 Jul	125	Abort	Rotor head vibration. Engine test
X	18-27 Jul	70	Maintenance	Engine No. 2 failure (FOD) - IGB test belts installed No. 1 engine/
28	30 Jul	0	Abort	Heater failure (ignitor vibrator).
28	31 Jul	0	Heater Test	Litters installed. Engine No. 2 i medium setting.
29	3 Aug	-25	Heater Test	Litters installed. Engine No. 2 i
30	5 Aug	-45	Abort	Hydraulic leaks.
30	6 Aug	-45	Heater Test	Litters installed. Engine No. 2 i ABEX winch pump installed.
X	7 Aug	-45	Maintenance	APP check.
31	10 Aug	-65	Abort	APP would not start (hydraulic sta
31	11 Aug	-65	Abort	APP start system (start valve).
31	11 Aug	-65	Heater Test	APP start valve preheated. Litter rotor operation (icicles).
32	14 Aug	70	Baseline	Engine No. 2 inoperable. Engine N tion.
X	15-20 Aug	Ambient	Maintenance	Landing gear installed. Litters r Aircraft tiedown removed.
X	21 Aug	80	Maintenance	Landing gear check.
X	22 Aug	0	Maintenance	Landing gear check.
33	24 Aug	-25	Gear Test	Instrumentation failure; most digi recorded. Heater operated; some d
34	25 Aug	-45	Gear-Heater Test	Heater duct louvers tested at both
35	26 Aug	-65	Gear-Heater Test	
36	27 Aug	-65	Gear Blow-Down Test	APP generator failure. Gear blow-

Table I (Concluded)

Remarks
Instrumentation failure; no digital data. Engine test lube pumps at low setting rotor head vibration.
Engine test lube pumps at low and high settings.
Engine test lube pumps at medium settings.
Rotor head vibration. Engine test lube pumps at medium setting.
Engine No. 2 failure (FOD) - IGB (internal gearbox) replaced. Cold weather test belts installed No. 1 engine/nose gearbox oil cooler.
Heater failure (ignitor vibrator).
Litters installed. Engine No. 2 inoperable. Engine No. 1 test lube pump at medium setting.
Litters installed. Engine No. 2 inoperable. No rotor operation (icicles).
Hydraulic leaks.
Litters installed. Engine No. 2 inoperable. No rotor operation (icicles). ABEX winch pump installed.
APP check.
APP would not start (hydraulic start system inadequate).
APP start system (start valve).
APP start valve preheated. Litters installed. Engine No. 2 inoperable. No rotor operation (icicles).
Engine No. 2 inoperable. Engine No. 1 and rotors operated. Main rotor vibration.
Landing gear installed. Litters removed. Engine test lube pumps removed. Aircraft tiedown removed.
Landing gear check.
Landing gear check.
Instrumentation failure; most digital data lost. Landing gear data hand-recorded. Heater operated; some data available. No engine or rotor operation.
Heater duct louvers tested at both horizontal and vertical flow positions.
APP generator failure. Gear blow-down test partially accomplished.

Table II

PARAMETERS RECORDED ON THE PHOTO RECORDER

(Position numbers as read from left to right in rows from top to bottom of panel.)

Position No.	Parameter Measured	Sikorsky Item No.
1a	AFCS pitch light[1]	155
1b	AFCS roll light[1]	156
1c	AFCS yaw light[1]	157
1a,b,c	2nd stage hydraulic system pump inlet temperature, °C[4]	39
2	ac frequency, Hz	106
2	Load cell, lbs[2]	X
3a	Winch pump press., in; needle 1, psig	112
3a	Winch pump servo control inlet hydraulic press., psig[6]	
3b	Winch pump press. out, needle 2, psig	113
4	Rate of climb, fpm	3
5	Indicated altitude, ft	2
6	No. 2 EAPS press. differential, psi[3]	X
6	Accessory gearbox rpm, pct	8
6	Sensitive main rotor rpm, pct[3]	19
7a	APP fuel press., needle L, psig	29
7b	No. 1 engine fuel control discharge press., needle R, psig	108
8	No. 1 engine fuel flow, lb/hr	10
8	No. 1 engine total fuel, gals used[4]	
9a	APP oil temp gauge, No. 1	28
9b	APP fuel temp gauge, No. 2	30
9a,9b	2nd stage hydraulic system pump, outlet temp, °C[4]	40
10a	No. 1 engine start motor inlet press; needle 1, psig	118
10b	APP start motor inlet press., needle 2, psig	120
11	Free air temp, °C	4
12	Indicated airspeed, kt	1
13	LH throttle pos, pct travel	20
13	Lateral acceleration, g[3]	X
13	No. 1 engine fuel temp, °C[4]	X
14a	No. 1 engine start motor outlet press., needle 1, psig	119
14b	APP start motor outlet press., needle R, psig	121
15	No. 2 engine fuel flow, lb/hr	15

Table II (Continued)

Position No.	Parameter Measured	Sikorsky Item No.
15	No. 2 engine total fuel, gals used[4]	X
16	APP EGT, °C	152
17	Clock	5
18	Camera lens	X
19	No. 1 engine rpm, (N_g), pct	9
20	RH throttle pos, pct travel	21
20	No. 2 engine fuel temp, °C[4]	X
21a	APP oil press. needle L, psig	27
21b	Not used	X
22a	No. 1 engine ignition light (top)	150
22b	APP starter-on light (bottom)	22
23	No. 1 engine turbine inlet temp (TIT) (T_5), °C	13
24	Digital sweep counter, (dig. coord), C_N	X
25	Digital time counter, (dig. coord), sec	X
26	No. 2 engine rpm (N_g), pct	14
27a	No. 1 engine power turbine rpm (N_f), needle 1, triple tach, pct	12
27b	No. 2 engine power turbine rpm (N_f), needle 2, pct	17
27c	Main rotor rpm (N_r), needle R, pct[5]	19
28	No. 1 engine torque, pct	11
29a	Ice detector (rate on event light)	23
29b	Anti-ice No. 1 engine light	24
30	No. 2 engine turbine inlet temp, (T_5), °C	18
31	dc bus voltage	107
32	Camera frame counter	X
33	APP rpm, pct	7
34a	Event light	6
34b	Anti-ice No. 2 engine light	24
34c	AFCS attitude light	158
35	No. 2 engine torque, pct	16

[1]Disconnected 10 September 1971.

[2]February 1971 (Arctic test 14) and later.

[3]21 March 1971 (icing test 1) to 24 May 1971.

[4]10 September 1971 and later.

[5]Disconnected for Arctic tests 11 through 21 (27 January - 25 February 1971); position six used in its place during this time.

[6]Replaces original from 12 March through 3 August 1970 (climatic laboratory tests 1 through 29).

Table III

PARAMETERS RECORDED ON THE DIGITAL MAGNETIC TAPE RECORDING SYSTEM

Switch Box Pos. No.	Parameter Measured	Sikorsky Item No.
	Switch Box No. 1 (Pressures)	
1-01	Sweep counter No.	X
1-02	Time (min)	X
1-03	Time (sec)	X
1-04	Free air temp, °C[1]	4
1-05	No. 1 engine gas generator rpm, (N_g), pct	9
1-06	No. 1 engine fuel flow, lb/hr or gal/hr[2]	10
1-07	No. 1 engine torque, pct	11
1-08	No. 1 engine power turbine speed, (N_f), pct	12
1-09	No. 1 engine turbine temp (T_5), °C	13
1-10	No. 2 engine gas generator rpm, (N_g), pct	14
1-11	No. 2 engine fuel flow, lb/hr or gal/hr[2]	15
1-12	No. 2 engine torque, pct	16
1-13	No. 2 engine power turbine speed, (N_f), pct	17
1-14	No. 2 engine turbine inlet temperature, (T_5), °C	18
1-15	Main rotor rpm, pct	19
1-16	OPEN	X
1-17	LH throttle position, pct travel	20
1-18	RH throttle position, pct travel	21
1-19	No. 1 engine oil pump outlet press., psig	58
1-20	No. 1 engine scavenge pump out outlet press., psig	59
1-21	No. 1 engine fuel boost pump outlet press., (before A/C fuel filter), psig	61
1-22	No. 1 engine nose gearbox oil press., psig	66
1-23	Accessory gearbox oil press., psig	69
1-24	Main gearbox oil press., psig	71
1-25	No. 1 engine bleed air press., psig	110
1-26	No. 1 engine fuel pump inlet press., psig	64
1-27	Voltage reference	X
1-28	OPEN	X
1-29	OPEN	X

Table III (Continued)

Switch Box Pos No.	Parameter Measured	Sikorsky Item No.
	Switch Box No. 2 (Pressures)	
2-01	Sweep counter No.	X
2-02	Time (min)	X
2-03	Time (sec)	X
2-04	OPEN	X
2-05	1st stage hydraulic pump inlet press., psig	31
2-06	1st stage hydraulic pump outlet press., psig	32
2-07	1st stage hydraulic press. at aft servo cylinder, psig	35
2-08	2nd stage hydraulic pump inlet press., psig	37
2-09	2nd stage hydraulic pump outlet press., psig	38
2-10	2nd stage hydraulic press. at aft servo cylinder, psig	41
2-11	2nd stage AFCS No. 1 hydraulic press. (pitch/roll), psig	43
2-12	2nd stage AFCS No. 1 hydraulic press. (collective/yaw), psig	44
2-13	Utility AFCS No. 2 hydraulic press. (pitch/roll), psig	45
2-14	Utility hydraulic pump inlet press., psig	47
2-15	Utility hydraulic pump outlet press., psig	48
2-16	1st stage hydraulic system rotary rudder servo hydraulic inlet press., psig	51
2-17	Utility hydraulic system rotary rudder servo hydraulic inlet press., psig	53
2-18	No. 1 main wheel brake return hydraulic press., psig	111
2-19	Heater output airflow (D/P No. 1), psid	78a
2-20	Heater output airflow (D/P No. 2), psid	78b
2-21	Heater output airflow (D/P No. 3), psid	78c
2-22	Heater output airflow (D/P No. 4), psid	78d
2-23	Heater output airflow (D/P No. 5), psid	78e
2-24	Heater output airflow (D/P No. 6), psid	78f
2-25	Heater output airflow (D/P No. 7), psid	78g
2-26	Heater output airflow (D/P No. 8), psid	78h
2-27	OPEN	X
2-28	OPEN	X
2-29	OPEN	X

Table III (Continued)

Switch Box Pos. No.	Parameter Measured	Sikorsky Item No.
	Switch Box No. 3 (Temperatures) (I.C.)	
3-01	Sweep counter No.	X
3-02	Time (min)	X
3-03	Time (sec)	X
3-04	Temp reference	X
3-05	Air temp into heater, °C or F	76
3-06	Heater air temp out of plenum chamber, °C or F	77
3-07	Heater main distribution duct air temp - left side forward, °C or F	79 79
3-08	Heater main distribution duct air temp - right side forward, °C or F	80
3-09	Heater distribution duct overhead outlet air temp - cockpit left side, °C or F	81
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3-12	Distribution duct outlet air temp station 460-470-left side, °C or F	84
3-13	Pilot head-level air temp, °C or F	85
3-14	Pilot waist level air temp, °C or F	86
3-15	Pilot foot-level air temp, °C or F	87
3-16	Pilot floor mass temp, °C or F	88
3-17	Copilot head-level air temp, °C or F	89
3-18	Copilot waist-level air temp, °C or F	90
3-19	Copilot foot-level air temp, °C or F	91
3-20	Copilot floor mass temp, °C or F	92
3-21	Cargo area, forward - head-level air temp, °C or F	93
3-22	Cargo area, forward - waist-level air temp, °C or F	94
3-23	Cargo area, forward - foot-level air temp, °C or F	95
3-24	Cargo area, forward - floor mass temp, °C or F	96
3-25	Cargo area, aft - head-level air temp, °C or F	97
3-26	Cargo area, aft - waist-level air temp, °C or F	98
3-27	Cargo area, aft - foot-level air temp, °C or F	99
3-28	Cargo area, aft floor mass temp, °C or F	100
3-29	OPEN	X

Table III (Continued)

Switch Box -Pos. No.	Parameter Measured	Sikorsky Item No.
	Switch Box No. 4 (Temperatures) (I.C.)	
4-01	Sweep Counter No.	X
4-02	Time (min)	X
4-03	Time (sec)	X
4-04	Temp reference	X
4-05	Copilot windshield inside surface lower center Temp No. 1, °C or °F	101-1
4-06	Copilot windshield inside surface upper RH No. 2, °C or °F	101-2
4-07	Center panel windshield inside surface lower center temp No. 1, °C or °F	102-1
4-08	Center panel windshield inside surface upper center temp No. 2, °C or °F	102-2
4-09	1st stage hydraulic pump inlet temp, °C or °F	33
4-10	1st stage hydraulic pump outlet temp, °C or °F	34
4-11	1st stage hydraulic temp at inlet servo cylinder (aft servo), °C or °F	36
4-12	2nd stage hydraulic pump inlet temp, °C or °F	39
4-13	2nd stage hydraulic pump outlet temp, °C or °F[3]	40
4-14	2nd stage hydraulic temp at inlet servo cylinder (aft servo), °C or °F	42
4-15	2nd stage hydraulic system AFCS No. 1 hydraulic temp (collective/yaw channel), °C or °F	46
4-16	2nd stage hydraulic system AFCS No. 1 hydraulic temp (pitch/roll channel), °C or °F	160
4-17	Utility hydraulic pump inlet hydraulic temp, °C or °F	49
4-18	Utility hydraulic pump outlet hydraulic temp, °C or °F	50
4-19	Utility hydraulic system AFCS No. 2 (pitch/roll channel) hydraulic temp, °C or °F	161
4-20	1st stage hydraulic system rotary rudder servo hydraulic inlet temp, °C or °F	52
4-21	Utility hydraulic system rotary rudder servo hydraulic inlet, °C or °F	54
4-22	Winch pump inlet hydraulic temp, °C or °F	114
	Winch pump servo control inlet hydraulic temp, °C or F[4]	114
4-23	Winch pump outlet hydraulic temp, °C or °F	115
4-24	Utility hydraulic system heat exchanger inlet hydraulic temp, °C or °F	116

Table III (Continued)

Switch Box Pos. No.	Parameter Measured	Sikorsky Item No.
	Switch Box No. 4 (Temperatures) (I.C.) (Concluded)	
4-25	Utility hydraulic system heat exchanger outlet hydraulic temp, °C or °F	117
4-26	APP and heater fire extinguisher bottle mass temp, °C[5]	X
4-27	OPEN	X
4-28	OPEN	X
4-29	OPEN	X
	Switch Box No. 5 (Temperatures) (I.C.)	
5-01	Sweep Counter No.	X
5-02	Time (min)	X
5-03	Time (sec)	X
5-04	Temp reference	X
5-05	No. 1 engine oil tank oil temp (1/3 level), °C	55
5-06	No. 1 engine oil cooler inlet oil temp, °C	56
5-07	No. 1 engine oil cooler outlet oil temp, °C	57
5-08	No. 1 engine fuel pump inlet fuel temp, °C or °F	63
5-09	No. 1 engine nose gearbox oil cooler outlet oil temp, °C	68
5-10	No. 1 engine nose gearbox oil cooler inlet oil temp, °C	67
5-11	No. 2 engine nose gearbox oil cooler outlet oil temp, °C	127
5-12	No. 2 engine nose gearbox oil cooler inlet oil temp, °C	126
5-13	No. 2 engine oil cooler oil inlet oil temp, °C	128
5-14	No. 2 engine oil cooler oil outlet oil temp, °C	129
5-15	Accessory gearbox oil temp, °C	70
5-16	Main gearbox oil cooler inlet oil temp, °C	72
5-17	Main gearbox oil cooler outlet oil temp, °C	73
5-18	Intermediate gearbox oil temp, °C	74
5-19	Tail gearbox oil temp, °C	75
5-20	No. 1 generator mass temp, °C or °F	105-1
5-21	Fuel temp to combustion heater, °C or °F	65

Table III (Continued)

Switch Box Pos. No.	Parameter Measured	Sikorsky Item No.
	Switch Box No. 5 (Temperatures) (I.C.) (Concluded)	
5-22	Left side electronic compartment top shelf center air temp No. 1, °C or °F	103-1
5-23	Left side electronic compartment bottom shelf aft (right) air temp No. 2, °C or °F	103-2
5-24	Left side electronic compartment bottom shelf forward (left) air temp No. 3, °C or °F	103-3
5-25	Right side electronic compartment aft (left) air temp No. 4, °C or °F	103-4
5-26	Right side electronic compartment center air temp No. 5, °C or °F	103-5
5-27	Right side electronic compartment forward (right) air temp No. 6, °C or °F	103-6
5-38	Left main fuel cell fuel temp (1/3 level), °C or °F	60
5-29	No. 2 generator mass temp, °C or °F	105-2
	Switch Box No. 6 (Temperatures) (I.C.)	
6-01	Sweep Counter No.	X
6-02	Time (min)	X
6-03	Time (sec)	X
6-04	Temp reference	X
6-05	(GET-5) No. 1 engine fuel control discharge temp, °C or °F	166
6-06	(GET-30) No. 2 engine fuel control discharge temp, °C or °F	191
6-07	No. 1 engine fuel boost pump outlet fuel temp, °C or °F	62
6-08	No. 1 engine bleed air temp, °C or °F	109
6-09	No. 1 engine Lord isolator mount temp - aft inboard, °C or °F	124
6-10	No. 1 engine Lord isolator mount temp - aft outboard, °C or °F	125
6-11	No. 2 engine Lord isolator mount temp - aft inboard, °C or °F	132
6-12	No. 2 engine Lord isolator mount temp - aft outboard, °C or °F	133
6-13	No. 1 engine inlet lip surface temp No. 1 (12 o'clock position), °C or °F	25-1
6-14	No. 1 engine inlet lip surface temp No. 2 (1 o'clock position), °C or °F	25-2

Table III (Continued)

Switch Box Pos. No.	Parameter Measured	Sikorsky Item No.
	Switch Box No. 6 (Temperatures) (I.C.) (Concluded)	
6-15	No. 1 engine inlet lip surface temp No. 3 (3 o'clock position), °C or °F	25-3
6-16	No. 1 engine inlet lip surface temp No. 4 (2:45 o'clock position), °C or °F	25-4
6-17	No. 1 engine inlet lip surface temp No. 5 (3:15 o'clock position), °C or °F	25-5
6-18	No. 1 engine inlet lip surface temp No. 6 (4 o'clock position), °C or °F	25-6
6-19	No. 1 engine inlet lip surface temp No. 7 (5 o'clock position), °C or °F	25-7
6-20	No. 1 engine inlet lip surface temp No. 8 (6 o'clock position), °C or °F	25-8
6-21	No. 1 engine compartment air temp No. 1 upper forward, °C or °F	104-1
6-22	No. 2 engine compartment air temp No. 2 lower forward, °C or °F	104-2
6-23	No. 1 engine compartment air temp No. 3 upper aft, °C or °F	104-3
6-24	No. 1 engine compartment air temp No. 4 lower aft, °C or °F	104-4
6-25	No. 1 engine accessory gearbox mass temp at starter, °C or °F	122
6-26	No. 1 engine accessory gearbox mass temp at front frame, °C or °F	123
6-27	No. 2 engine accessory gearbox mass temp at starter, °C or °F	130
6-28	No. 2 engine accessory gearbox mass temp at front frame, °C or °F	131
6-29	OPEN	X
	Switch Box No. 7 (Temperatures) (C.A.) (No. 1 Engine)	
7-01	Sweep Counter No.	X
7-02	Time (min)	X
7-03	Time (sec)	X
7-04	OPEN	X
7-05	(GET-1) exciter mount temp, °C	162
7-06	(GET-2) exciter skin inboard temp, °C	163
7-07	(GET-3) exciter skin outboard temp, °C	164
7-08	(GET-4) fuel control case temp, °C	165

Table III (Continued)

Switch Box Pos. No.	Parameter Measured	Sikorsky Item No.
	Switch Box No. 7 (Temperatures) (C.A.) (No. 1 Engine) (Continued)	
7-09	(GET-6) lube pump case temp, °C	167
	(GET-6) lube pump inlet oil temp, °C	167
7-10	(GET-7) fuel pump case temp, °C	168
7-11	(GET-8) compressor 2nd stage case temp (4:30 o'clock position), °C	169
7-12	(GET-9) compressor 3rd stage case temp (3 o'clock position), °C	170
7-13	(GET-10 compressor 3rd stage case temp (4:30 o'clock position), °C	171
	(GET-10) scavenge pump outlet oil temp, °C[7]	171
7-14	(GET-11) compressor 3rd stage case temp (6 o'clock position) °C	172
7-15	(GET-12) compressor 4th stage case temp (3 o'clock position), °C	173
7-16	(GET-13) compressor 4th stage case temp (4:30 o'clock position), °C	174
7-17	(GET-14) compressor 4th stage case temp (6 o'clock position), °C	175
7-18	(GET-15) compressor 4th stage case temp (9 o'clock position), °C	176
	(GET-15) engine/nose gearbox oil cooler inlet air temp, °C[8]	176
7-19	(GET-16) compressor 5th stage case temp (3 o'clock position), °C	177
7-20	(GET-17) compressor 5th stage case temp (4:30 o'clock position), °C	178
7-21	(GET-18) compressor 5th stage case temp (6 o'clock position), °C	179
7-22	(GET-19) gas generator turbine case temp (4 o'clock position), °C	180
	(GET-19) engine/nose gearbox oil cooler outlet air temp, °C or °F[8]	180
7-23	(GET-20) gas generator turbine case temp forward of aft flange (8 o'clock position), °C	181
	(GET-20) engine oil cooler inlet oil temp, °C[7]	181
7-24	(GET-21) gas generator turbine case temp forward of aft flange (12 o'clock position), °C	182
7-25	(GET-22) power turbine case temp forward of aft flange (4 o'clock position), °C	183

Table III (Continued)

Switch Box Pos. No.	Parameter Measured	Sikorsky Item No.
	Switch Box No. 7 (Temperatures) (C.A.) (No. 1 Engine) (Concluded)	
7-26	(GET-23) power turbine case temp forward of aft flange (8 o'clock position), °C	184
	(GET-23) engine oil cooler outlet oil temp, °C[7]	184
7-27	(GET-24) power turbine case temp forward of aft flange (12 o'clock position), °C	185
7-28	(GET-25) T_5 harness temp underside of junction box	186
7-29	OPEN	X
	Switch Box No. 8 (Temperatures) (C.A.) (No. 2 Engine)	
8-01	Sweep Counter No.	X
8-02	Time (min)	X
8-03	Time (sec)	X
04	OPEN	X
8-05	(GET-26) ignition exciter mount temp, °C	187
	(GET-27) ignition exciter skin inboard temp, °C*	188
	(GET-26) OPEN[9]	187
8-06	(GET-27) ignition exciter skin inboard temp, °C	188
	(GET-26) ignition exciter mount temp, °C[2]	188
	(GET-27) OPEN[9]	188
8-07	(GET-27) ignition exciter skin outboard temp, °C	189
	(GET-28) lube pump inlet oil temp, °C[7]	189
	(GET-28) OPEN[9]	189
8-08	(GET-29) fuel control case temp, °C	190
	(GET-29) OPEN[9]	190
8-09	(GET-31) lube pump case temp, °C	192
	(GET-31) scavenge pump outlet oil temp, °C[3]	192
	(GET-31) OPEN[9]	192
8-10	(GET-32) fuel pump case temp, °C	193
	(GET-32) OPEN[9]	193
8-11	(GET-33) compressor 2nd stage case temp (4:30 o'clock position), °C	194
	(GET-33) OPEN[9]	194
8-12	(GET-34) compressor 3rd stage case temp (3 o'clock position), °C	195
	(GET-34) OPEN[9]	195

*8-05 and 8-06 reversed December 1969 to 7 September 1970.

Table III (Continued)

Switch Box Pos. No.	Parameter Measured	Sikorsky Item No.
Switch Box No. 8 (Temperatures) (C.A.) (No. 1 Engine) (Continued)		
8-13	(GET-35) compressor 3rd stage case temp (4:30 o'clock position), °C	196
	(GET-35) OPEN[9]	196
8-14	(GET-36) compressor 3rd stage case (6 o'clock position), °C	197
	(GET-36) OPEN[9]	197
8-15	(GET-37) compressor 4th stage case (3 o'clock position), °C	198
	(GET-37) OPEN[9]	198
8-16	(GET-38) compressor 4th stage case temp (4:30 o'clock position), °C	199
	(GET-38) OPEN[9]	199
8-17	(GET-39) compressor 4th stage case temp (6 o'clock position), °C	200
	(GET-39) OPEN[9]	200
8-18	(GET-40) compressor 4th stage case temp (9 o'clock position), °C	201
	(GET-40) OPEN[9]	201
8-19	(GET-41) compressor 5th stage case temp (3 o'clock position), °C	202
	(GET-41) OPEN[9]	202
8-20	(GET-42) compressor 5th stage case temp (4:30 o'clock position), °C	203
	(GET-42) OPEN[9]	203
8-21	(GET-43) compressor 5th stage case temp (6 o'clock position), °C	204
	(GET-43) OPEN[9]	204
8-22	(GET-44) gas generator turbine case temp forward of aft flange, (4 o'clock position), °C	205
	(GET-44) OPEN[9]	205
8-23	(GET-45) gas generator turbine case temp forward of aft flange (8 o'clock position), °C	206
	(GET-45) engine/nose gearbox oil cooler inlet air temp, °C[8]	206
8-24	(GET-46) gas generator turbine case temp forward of aft flange (12 o'clock position), °C	207
	(GET-46) engine/nose gearbox oil cooler outlet air temp, °C[8]	207

Table III (Concluded)

Switch Box Pos. No.	Parameter Measured	Sikorsky Item No.
Switch Box No. 8 (Temperatures) (C.A.) (Engine No. 1) (Concluded)		
8-25	(GET-47) power turbine case temp forward of aft flange (4 o'clock position), °C	208
	(GET-47) engine oil cooler inlet oil temp, °C[7]	208
	(GET-47) OPEN[5]	208
8-26	(GET-48) power turbine case temp forward of aft flange (8 o'clock position), °C	209
	(GET-48) OPEN[9]	209
8-27	(GET-49) power turbine case temp forward of aft flange (12 o'clock position), °C	210
	(GET-49) engine oil cooler outlet oil temp, °C[7]	210
	(GET-49) OPEN[9]	210
8-28	(GET-50) T_5 harness temp. underside of junction box (9 o'clock position), °C	211
	(GET-50) OPEN[9]	211
8-29	OPEN	X

[1]Connected 7 September 1970 (end of climatic laboratory tests).

[2]Connected 1 July 1970 (run 22, climatic laboratory tests).

[3]Recorded on photopanel (positions 1 and 9) as of 10 September 1971.

[4]Replaces original from 25 March through 3 August 1970 (climatic laboratory tests 6 through 29).

[5]Installed 4 February 1971 (arctic test 14).

[6]Used from 27 February through 1 October 1970 (climatic laboratory tests).

[7]Replaces original from 1 July through 7 September 1970 (climatic laboratory tests 22 to end of climatic laboratory test).

[8]Changed 1 July 1970 (climatic laboratory run 22).

[9]Parameters not connected from 7 September 1970 to 24 May 1971.

Table IV

PARAMETERS RECORDED ON THE OSCILLOGRAPH

(30 January to 1 September 1970)

Oscillograph Well No.	Parameter Measured	Sikorsky Item No.
1	Camera frame count	X
2	Sweep count	X
3	APP start motor inlet press., psig	146
4	APP start motor outlet press., psig	147
5	Primary APP start accumulator air press., psig	137
6	Secondary APP start accumulator air press., psig	138
7	Hydraulic press. for APP start accumulators, psig	136
8	APP fuel pressure, psig	135
9	APP oil pressure, psig	154
10	APP rpm, pct	148
11	APP start motor speed, rpm	149
12	*APP clutch speed, pct	140
13	APP EGT, °C	152
14	APP oil temp, °F	153
15	APP generator voltage	134
16	OPEN	139
17	Longitudinal control friction load, lb	142
18	Lateral control friction load, lb	143
**	Collective control friction load, lb	144
19	OPEN	X
20	Left rudder pedal control friction load, lb	145
21	OPEN	X
22	Right rudder pedal control friction load, lb	145
23	OPEN	X
24	APP ignition signal	151

*Deficient instrumentation - did not record APP clutch speed as intended.

**Not recorded.

TEST SYNOPSES, EVENT SHEETS AND DATA

RUN 2, 70°F, 13 March 1970
Soak time 25 hours

Test Synopsis:

This run was chosen to represent baseline data prior to the low and high temperature tests. Tests at 70°F were also conducted at intervals during the climatic laboratory tests.

Pertinent information.

Engine No. 1 had -13 fuel control and no EAPS.

Engine No. 2 had -12 fuel control and EAPS.

Test parameters not connected or not presented.

1-4-Free air temperature (not connected).

1-6-Engine No. 1 fuel flow (not connected).

1-11-Engine No. 2 fuel flow (not connected).

2-18-Main wheel brake return hydraulic pressure (not connected).

2-19 through 2-26-Heater output airflow differential pressure (not presented).

3-22-Cargo area forward waist-level air temperature (erratic, but average temperature shown is good) data are presented.

4-13-Second stage hydraulic pump outlet temperature.

Defective test parameters not presented (unless indicated otherwise).

7-12-Engine No. 1 compressor case temperature, 3rd stage, 3 o'clock position.

7-13-Engine No. 1 compressor case temperature, 3rd stage, 4:30 o'clock position.

7-19-Engine No. 1 compressor case temperature, 5th stage, 3 o'clock position.

7-20-Engine No. 1 compressor case temperature, 5th stage, 4:30 o'clock position.

8-06-Engine No. 1 ignition exciter mount temperature.

8-18-Engine No. 2 compressor case temperature, 5th stage, 9 o'clock position.

Event Sheet:

CTR	Event
9	APP start
12	Comm/nav radios and radar altimeter - ON, check operation
19	Rescue hoist - check operation
23	Cargo winch - check operation
26	All doors and ramp - closed
50	AFCS servos - checked
51	Stick trim - checked
52	EAPS - open

CTR	Event
55	Rotor brake - OFF
63	Engine speed trim - check
65	AFCS - checked
66	Second stage interlock - checked
74	Engine No. 1 - start
80	Flight control and first stage interlock - checked
82	Engine No. 1 throttle - full forward
85	APP - OFF
89	Engine No. 2 - start (no starter dropout)
98	Flat pitch and engine overspeed protection system - checked
99	Minimum governing microswitches - check
102	Generator dropout and pickup - check
129	Engine No. 1 anti-ice - ON, then OFF
136	Crossfeed - check
142	Pitot heat - ON, then OFF
148-151	Gradually increase torque of both engines to 100-percent
151-156	Operate both engines at 100-percent torque
162-170	Operate both engines at 50-percent torque
172-179	Operate both engines at 14-percent torque
197	Engine No. 1 - shutdown, engine No. 2 at 70-percent torque
203	Engine No. 1 - restart with emergency start switch at EMERGENCY
208	Engine No. 2 - shutdown, engine No. 1 at 50-percent torque
213	Engine No. 2 - restart
218	EAPS (engine No. 2) - closed
220	APP - start
221	Comm/nav equipment - OFF
223	Refueling probe - extend and retract
229	Throttles - shutoff
231	AFCS - OFF
234	APP - shutdown
237	Instrumentation - OFF, end test

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
1	0	3	0	*	0	0	0
2	0	23	0	*	0	0	0
3	0	43	0	*	0	1	0
4	1	4	0	*	0	0	0
5	1	24	0	*	0	1	0
6	1	44	0	*	0	1	0
7	2	5	0	*	0	1	0
8	2	25	0	*	0	0	0
9	2	45	0	*	0	0	0
10	3	5	0	*	0	0	0
11	3	26	0	*	0	0	0
12	3	46	0	*	0	-1	0
13	4	6	0	*	0	-1	0
14	4	26	0	*	0	0	0
15	4	47	0	*	0	1	0
16	5	7	0	*	0	0	0
17	5	27	0	*	0	-2	0
18	5	48	0	*	0	1	0
19	6	8	0	*	0	0	0
20	6	28	0	*	0	-1	0
21	6	48	0	*	0	-2	0
22	7	9	0	*	0	0	0
23	7	29	0	*	0	0	0
24	7	49	0	*	0	1	0
25	8	9	0	*	0	1	0
26	8	30	0	*	0	1	0
27	8	50	0	*	0	0	0
28	9	10	0	*	0	0	0
29	9	31	0	*	0	0	0
30	9	51	0	*	0	1	0
31	10	11	0	*	0	-1	0
32	10	32	0	*	0	-1	0
33	10	52	0	*	0	-2	0
34	11	12	0	*	0	-1	0
35	11	32	0	*	0	1	0
36	11	53	0	*	0	-1	0
37	12	13	0	*	0	0	0
38	12	33	0	*	0	1	0
39	12	54	0	*	0	0	0
40	13	14	0	*	0	1	0
41	13	34	0	*	0	-1	0
42	13	55	0	*	0	-1	0
43	14	15	0	*	0	1	0
44	14	35	0	*	0	0	0
45	14	56	0	*	0	1	0

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL
*	0	0	0	*	8	-1	0	*
*	0	0	0	*	7	-1	0	*
*	0	1	0	*	8	0	0	*
*	0	0	0	*	7	-1	0	*
*	0	1	0	*	7	-0	6	*
*	0	1	0	*	9	-0	0	*
*	0	1	0	*	8	-0	0	*
*	0	0	0	*	8	-1	0	*
*	0	0	0	*	7	-0	0	*
*	0	0	0	*	9	-4	0	*
*	0	0	0	*	8	-0	0	*
*	0	-1	0	*	8	-0	0	*
*	0	-1	0	*	8	-4	0	*
*	0	0	0	*	7	-2	0	*
*	0	1	0	*	7	-1	0	*
*	0	0	0	*	8	-1	0	*
*	0	-2	0	*	8	-1	0	*
*	0	1	0	*	9	-1	0	*
*	0	0	0	*	7	-1	0	*
*	0	-1	0	*	7	-2	0	*
*	0	-2	0	*	8	-1	0	*
*	0	0	0	*	7	-1	0	*
*	0	0	0	*	8	-2	0	*
*	0	1	0	*	8	-0	0	*
*	0	1	0	*	7	-0	0	*
*	0	1	0	*	7	-1	0	*
*	0	0	0	*	8	-0	0	*
*	0	0	0	*	7	-0	0	*
*	0	0	0	*	7	-2	0	*
*	0	1	0	*	7	-1	0	*
*	0	-1	0	*	8	-1	0	*
*	0	-1	0	*	7	-2	0	*
*	0	-2	0	*	7	-2	0	*
*	0	-1	0	*	7	-1	0	*
*	0	1	0	*	8	-0	0	*
*	0	-1	0	*	8	-1	0	*
*	0	0	0	*	7	-2	0	*
*	0	1	0	*	7	-2	0	*
*	0	0	0	*	8	-4	0	*
*	0	1	0	*	7	-2	0	*
*	0	-1	0	*	7	-1	0	*
*	0	-1	0	*	8	-1	0	*
*	0	1	0	*	8	-0	0	*
*	0	0	0	*	7	-4	0	*
*	0	1	*	*	8	-0	0	*

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
46	15	16	0	*	0	-1	0
47	15	36	0	*	0	0	0
48	15	56	0	*	0	0	0
49	16	17	0	*	0	0	0
50	16	37	0	*	0	0	0
51	16	57	0	*	0	0	0
52	17	18	0	*	0	-1	0
53	17	38	0	*	0	-1	0
54	17	58	0	*	0	2	0
55	18	19	0	*	0	0	0
56	18	39	0	*	0	1	0
57	18	59	*	*	0	0	0
58	19	20	0	*	0	1	0
59	19	40	0	*	0	0	0
60	20	0	0	*	0	1	0
61	20	20	0	*	0	-1	*
62	20	41	0	*	0	0	0
63	21	1	0	*	0	0	*
64	21	21	0	*	0	0	0
65	21	42	0	*	0	0	0
66	22	2	0	*	0	-1	0
67	22	22	0	*	0	0	0
68	22	43	0	*	0	-1	*
69	23	3	0	*	0	0	0
70	23	23	0	*	0	-1	0
71	23	44	0	*	0	0	0
72	24	4	0	*	0	-1	0
73	24	24	0	*	0	-2	0
74	24	45	4	*	0	-1	0
75	25	5	45	50	9	156	0
76	25	25	58	5	19	420	0
77	25	46	66	4	28	452	0
78	26	6	58	4	30	465	0
79	26	26	58	3	32	472	0
80	26	47	59	3	32	472	0
81	27	7	59	3	33	476	0
82	27	27	59	3	32	476	0
83	27	48	83	39	78	451	0
84	28	8	83	27	92	442	0
85	28	28	85	29	102	466	0
86	28	49	84	29	*	466	0
87	29	9	84	29	102	465	0
88	29	29	80	30	102	461	0
89	29	50	84	30	*	463	5
90	30	10	85	31	102	462	43
91	30	30	84	29	102	457	58
92	30	51	85	29	102	457	59
93	31	11	83	29	102	456	59
94	31	31	84	29	102	456	57
95	31	52	84	28	102	455	54

1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL
*	0	-1	0	*	7	-1	0	*
*	0	0	0	*	8	-0	0	*
*	0	0	0	*	8	-1	0	*
*	0	0	0	*	8	-1	0	*
*	0	0	0	*	8	-1	0	*
*	0	0	0	*	7	-2	0	*
*	0	-1	0	*	8	-1	0	*
*	0	-1	0	*	7	-4	0	*
*	0	2	0	*	7	-2	0	*
*	0	0	0	*	8	-1	0	*
*	0	1	0	*	7	-0	0	*
*	0	0	0	*	8	-0	0	*
*	0	1	0	*	7	-2	0	*
*	0	0	0	*	7	0	0	*
*	0	1	0	*	8	-4	0	*
*	0	-1	0	*	8	-0	0	*
*	0	0	0	*	8	-0	0	*
*	0	0	0	*	7	-1	0	73
*	0	0	0	*	8	-2	0	*
*	0	0	0	*	7	2	0	*
*	0	-1	0	*	7	-1	0	*
*	0	0	0	*	8	-0	0	*
*	0	-1	0	*	7	-1	0	*
*	0	0	0	*	7	-1	0	*
*	0	-1	0	*	7	-2	0	*
*	0	0	0	*	7	-0	0	*
*	0	-1	0	*	7	-1	0	*
*	0	-2	0	*	8	-0	0	*
*	0	-1	0	*	9	-2	0	*
50	9	156	0	*	8	-1	4	20
5	19	420	0	*	7	-1	20	20
4	28	452	0	*	7	-1	28	20
4	30	465	0	*	8	-0	31	20
3	32	472	0	*	7	-1	32	20
3	32	472	0	*	7	-1	33	21
3	33	476	0	*	7	0	33	20
3	32	476	0	*	7	2	33	24
8	78	451	0	*	7	-2	80	41
7	92	482	0	*	8	-1	93	77
9	102	466	0	*	8	-2	102	99
9	*	466	0	*	8	-2	102	99
9	102	466	0	*	7	-2	102	99
50	102	461	0	*	7	-1	102	99
50	*	463	5	*	7	-2	102	99
11	102	462	43	*	21	89	105	99
10	102	457	58	0	59	378	102	99
9	102	457	59	0	59	437	103	99
9	102	456	59	0	59	446	103	99
9	102	456	57	*	59	453	105	99
20	102	466	58	*	61	456	104	99

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
96	32	12	84	28	103	456	76
97	32	32	84	28	103	455	76
98	32	53	82	16	103	415	81
99	33	13	80	12	98	391	80
100	33	33	81	14	99	400	82
101	33	54	79	11	90	397	79
102	34	14	80	14	94	405	79
103	34	34	80	15	93	401	79
104	34	55	82	24	93	416	74
105	35	15	83	24	93	427	75
106	35	35	80	13	96	402	80
107	35	56	84	25	95	425	76
108	36	16	85	24	95	429	75
109	36	36	78	11	90	399	80
110	36	57	81	16	98	408	91
111	37	17	80	15	98	405	80
112	37	37	81	14	96	415	80
113	37	58	78	9	92	392	76
114	38	18	81	16	96	409	79
115	38	38	84	23	94	422	76
116	38	59	82	11	97	418	80
117	39	19	82	25	96	425	76
118	39	39	82	15	99	414	81
119	40	[illegible]	82	14	104	408	81
120	40	20	82	16	102	413	85
121	40	40	75	0	92	378	84
122	41	1	80	14	104	400	82
123	41	21	84	28	102	446	75
124	41	41	80	11	91	409	81
125	42	2	80	13	96	397	80
126	42	22	80	15	94	396	78
127	42	42	81	17	97	413	81
128	43	3	81	18	99	414	80
129	43	23	82	18	99	413	79
130	43	43	82	17	99	414	80
131	44	4	81	18	99	416	86
132	44	24	82	18	99	414	79
133	44	44	82	17	99	414	80
134	45	5	82	17	99	413	80
135	45	25	82	17	99	413	79

1-07 G.1 RQUE RCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL
28	103	456	76	0	98	406	103	99
28	103	455	76	0	99	386	102	99
16	103	415	81	13	105	402	104	84
12	98	391	80	14	101	419	100	86
14	99	400	82	13	101	401	100	85
11	90	397	79	12	91	396	90	59
14	94	405	79	9	96	392	97	74
15	93	401	79	9	95	388	96	74
24	93	416	74	*	94	373	93	73
24	93	427	75	*	93	374	93	74
13	96	402	80	12	97	387	96	79
25	95	425	76	*	95	377	96	79
24	95	429	79	*	94	374	96	79
11	90	399	80	11	91	388	90	65
16	98	408	91	11	99	388	98	82
15	98	405	80	11	99	389	99	82
14	96	415	80	7	98	392	97	79
9	92	392	76	5	93	383	92	62
16	96	409	79	8	98	383	96	77
23	94	422	76	0	96	377	95	76
11	97	418	80	16	96	399	96	78
25	96	425	76	*	95	377	96	79
15	99	414	81	11	100	386	100	84
14	104	408	81	14	104	404	104	93
16	102	413	85	13	104	403	104	97
0	92	378	84	27	102	458	103	87
14	104	400	82	15	104	413	105	93
28	102	446	75	*	99	379	102	93
11	91	409	81	12	93	399	92	75
13	96	397	80	11	98	396	96	75
15	94	396	78	5	95	383	94	66
17	97	413	81	10	98	391	98	83
18	99	414	80	9	101	387	98	85
18	99	413	79	9	100	389	*	84
17	99	414	80	8	100	387	99	86
18	99	416	80	9	100	388	99	85
18	99	414	79	9	100	386	97	84
17	99	414	80	9	100	387	98	84
17	99	413	80	9	100	388	100	84
17	99	413	79	9	100	387	100	84

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136	45	45	81	17	100	414	8
137	46	6	82	18	*	414	82
138	46	26	82	18	99	416	80
139	46	46	83	17	102	415	79
140	47	7	82	17	99	414	80
141	47	27	82	17	98	414	79
142	47	47	82	17	99	413	80
143	48	8	82	17	99	414	80
144	48	28	82	16	100	416	81
145	48	48	80	12	98	400	82

17	100	414	6[illegible]	9	100	387	99	84
18	*	414	82	9	100	386	100	84
18	99	416	80	9	101	386	99	84
17	102	415	79	9	100	388	99	84
17	99	414	80	9	101	388	99	85
17	98	414	79	9	100	386	100	84
17	99	413	80	9	100	387	100	85
17	99	414	80	9	101	387	100	84
16	100	416	81	11	101	387	103	85
12	98	400	82	14	99	401	99	81

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-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
146	49	9	81	12	99	400	81
147	49	29	81	12	99	399	81
148	49	49	84	33	100	439	85
149	50	10	91	79	98	575	91
150	50	30	93	94	100	624	94
151	50	50	93	99	99	654	94
152	51	11	94	102	100	659	94
153	51	31	93	99	100	654	94
154	51	51	94	98	98	654	94
155	52	12	93	99	99	652	94
156	52	32	94	99	100	653	94
157	52	52	93	96	99	652	94
158	53	13	93	96	99	650	95
159	53	33	93	97	100	652	94
160	53	53	91	79	101	608	92
161	54	14	91	70	101	603	91
162	54	34	88	50	102	531	89
163	54	54	86	49	99	524	87
164	55	15	88	49	99	519	90
165	55	35	87	49	98	517	87
166	55	55	87	49	102	518	96
167	56	16	87	50	99	517	88
168	56	36	87	49	99	519	88
169	56	56	87	49	99	517	87
170	57	17	87	49	99	518	86
171	57	37	80	12	97	438	81
172	57	57	80	12	99	413	82
173	58	17	81	12	98	410	83
174	58	38	81	14	99	413	81
175	58	58	80	14	98	413	82
176	59	19	81	14	99	411	81
177	59	39	80	13	99	413	85
178	59	59	81	14	98	413	82
179	60	19	85	13	98	411	82
180	60	41	82	13	99	413	81
181	61	1	81	14	99	410	81
182	61	21	82	14	99	411	86
183	61	42	82	13	98	415	82
184	62	2	82	13	99	415	82
185	62	23	82	14	99	413	81
186	62	38	81	14	99	411	83
187	62	59	81	14	97	410	81
188	63	19	84	14	99	409	81
189	63	39	81	14	99	409	81
190	64	0	81	14	98	410	81
191	64	20	81	14	99	410	81
192	64	40	81	14	99	411	81
193	65	1	86	53	100	509	87
194	65	21	87	50	100	512	87
195	65	41	86	48	*	507	86

1-07	1-08	1-09	1-10	1-12	1-13	1-14	1-15	1-17
1-1	ENG.1 POWER TURB SPEED RPM	ENG.1 TURB INLET TEMP (T-5)	ENG.2 RPM (NG)	ENG.2	ENG.2 POWER TURB SPEED RPM	ENG.2 TURB INLET TEMP (T-5)	ROTOR RPM	L.H. THROTT POS
TORQUE PERCNT	PERCNT	DEG.C	PERCNT	TORQUE PERCNT	PERCNT	DEG.C	PERCNT	PERCNT TRAVEL
12	99	400	81	14	101	401	100	81
12	99	399	81	14	100	403	99	81
13	100	439	85	34	101	446	100	81
7	98	575	91	76	100	569	99	81
9	100	624	94	95	100	623	100	85
9	99	654	94	98	101	644	99	84
2	100	659	94	97	101	648	*	85
9	100	654	94	97	101	642	100	84
1	98	654	94	97	101	643	100	84
8	99	652	94	99	101	648	100	83
1	100	653	94	99	101	649	100	83
9	99	652	94	97	101	652	100	84
9	99	650	95	98	101	650	100	84
9	100	652	94	96	101	648	100	84
1	101	608	92	81	101	612	101	83
1	101	603	91	67	101	594	102	84
1	102	531	89	48	102	525	103	84
8	99	524	87	45	100	506	100	79
8	99	519	90	49	100	517	99	79
9	98	517	87	47	100	519	100	78
1	102	518	96	47	99	519	100	79
9	99	517	88	48	99	522	100	79
9	99	519	88	48	101	521	99	78
9	99	517	87	47	101	517	100	79
9	99	518	86	47	100	516	100	79
9	97	438	81	14	100	438	99	79
9	99	413	82	14	99	416	99	79
9	98	410	83	14	99	408	98	82
9	99	413	81	13	101	409	99	83
9	98	413	82	13	100	408	99	83
9	99	411	81	13	100	406	99	83
9	99	413	85	13	99	408	99	83
9	98	413	82	13	101	404	100	83
9	98	411	82	13	99	404	102	84
9	99	413	81	13	100	404	99	83
9	99	410	81	13	100	406	100	84
9	99	411	86	13	101	406	98	83
9	98	415	82	14	100	408	100	83
9	99	415	82	13	100	404	99	83
9	99	413	81	13	99	403	99	83
9	99	411	83	13	99	406	99	83
9	97	410	81	13	101	404	100	83
9	99	409	81	13	100	403	99	83
9	99	409	81	13	100	408	100	83
9	98	410	81	13	100	403	99	83
9	99	410	81	13	99	404	99	83
9	99	411	81	14	101	404	99	83
1	100	509	87	47	101	495	100	81
1	100	512	87	48	101	510	100	80
	*	507	88	50	100	519	100	80

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
196	66	2	86	48	99	505	88
197	66	22	61	0	63	418	93
198	66	42	23	*	23	366	93
199	67	3	7	12	6	247	92
200	67	23	5	78	1	199	*
201	67	43	0	*	0	188	91
202	68	4	0	*	0	188	91
203	68	19	0	*	0	193	91
204	68	39	17	*	5	195	91
205	69	0	60	*	55	402	91
206	69	20	84	34	100	439	91
207	69	40	87	51	102	516	88
208	70	1	92	92	99	619	62
209	70	21	93	93	96	629	17
210	70	41	92	93	*	627	6
211	71	2	92	91	97	626	1
212	71	22	93	95	96	633	0
213	71	42	93	93	96	629	0
214	72	3	93	95	96	629	14
215	72	23	93	93	96	631	59
216	72	43	92	93	96	625	60
217	73	4	92	91	96	625	77
218	73	24	87	51	102	546	88
219	73	45	87	49	99	516	91
220	74	5	87	50	99	514	88
221	74	26	87	50	99	514	88
222	74	47	87	51	99	517	88
223	75	7	87	50	100	514	91
224	75	27	87	50	99	517	88
225	75	48	80	9	99	443	81
226	76	8	80	12	98	411	82
227	76	28	81	12	98	405	82
228	76	49	80	12	99	405	84
229	77	9	76	1	92	391	75
230	77	29	27	*	26	363	27
231	77	51	8	10	6	242	7
232	78	10	6	*	0	193	2
233	78	30	0	*	0	181	0
234	78	51	0	*	0	185	0
235	79	11	0	*	0	198	0
236	79	31	0	*	0	209	0
237	79	51	0	*	0	216	0
238	*	*	*	*	*	*	*

1-07 G.1 QUE CNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL
48	99	505	88	50	100	519	100	82
0	63	418	93	92	98	609	97	23
*	23	366	93	92	98	618	97	*
12	6	247	92	82	99	606	98	*
78	1	199	*	71	99	574	99	*
*	0	188	91	71	101	576	98	*
*	0	188	91	70	99	571	98	*
*	0	193	91	70	99	575	99	*
*	5	195	91	73	99	576	98	*
*	55	402	91	72	99	575	98	20
34	100	439	91	38	101	512	102	82
51	102	516	88	48	101	519	*	81
92	99	619	62	*	65	428	92	81
93	96	629	17	*	24	325	97	81
93	*	627	6	*	15	226	96	81
91	97	626	1	*	7	195	97	81
95	96	633	0	*	8	191	97	81
93	96	629	0	*	8	197	97	81
95	96	629	14	*	9	199	97	81
93	96	631	59	*	57	377	97	81
93	96	625	60	*	61	443	*	81
31	96	625	77	0	98	412	97	81
51	102	546	88	51	100	484	100	81
49	99	516	91	50	101	514	99	81
50	99	514	88	51	101	521	100	81
50	99	514	88	50	101	521	100	81
51	99	517	88	50	100	521	*	81
50	100	514	91	50	100	519	101	81
50	99	517	88	49	101	520	100	81
9	99	443	81	13	101	448	*	81
12	98	411	82	15	100	421	99	81
12	98	405	82	15	99	411	99	81
12	99	405	84	15	99	411	99	81
1	92	391	75	*	91	391	91	23
*	26	363	27	*	32	361	51	*
10	6	242	7	*	15	238	34	*
*	0	193	2	*	7	192	25	*
*	0	181	0	*	7	185	19	*
*	0	185	0	*	8	191	13	*
*	0	198	0	*	7	199	8	*
*	0	209	0	*	7	207	4	*
*	0	216	0	*	8	215	2	*
*	*	*	*	*	*	*	*	*

2

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG
1	0	3	*	1	0	0	2
2	0	23	*	1	0	0	2
3	0	43	*	2	0	0	2
4	1	4	*	2	0	0	1
5	1	24	*	1	0	0	1
6	1	44	*	3	0	0	1
7	2	5	*	1	0	0	1
8	2	25	*	2	0	0	1
9	2	45	*	0	0	0	1
10	3	5	*	2	0	0	2
11	3	26	*	1	0	0	2
12	3	46	*	0	0	0	1
13	4	6	*	1	0	0	1
14	4	26	*	0	0	0	1
15	4	47	*	0	0	0	1
16	5	7	*	1	0	0	0
17	5	27	*	0	0	0	1
18	5	48	*	0	0	0	2
19	6	8	*	1	0	0	1
20	6	28	*	0	0	0	1
21	6	48	*	0	0	0	1
22	7	9	*	0	0	0	2
23	7	29	*	1	0	0	0
24	7	49	*	1	0	0	2
25	8	9	*	1	0	0	2
26	8	30	*	1	0	0	1
27	8	50	*	0	0	0	1
28	9	10	*	0	0	0	0
29	9	31	*	1	0	0	1
30	9	51	*	1	0	0	1
31	10	11	*	1	0	0	1
32	10	32	*	0	0	0	1
33	10	52	*	1	0	0	0
34	11	12	*	1	0	0	0
35	11	32	*	1	0	0	1
36	11	53	*	1	0	0	1
37	12	13	*	0	0	0	2
38	12	33	*	1	0	0	1
39	12	54	*	1	0	0	1
40	13	14	*	0	0	0	1
41	13	34	*	0	0	0	1
42	13	55	*	0	0	0	1
43	14	15	*	1	0	0	0
44	14	35	*	0	0	0	1
45	14	56	*	1	0	0	0

HH-53C S/N 68-10354
CLINATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
1	0	0	2	0	1	1	0
1	0	0	2	1	0	1	0
2	0	0	2	2	0	0	0
2	0	0	1	2	1	1	0
1	0	0	1	2	1	1	0
3	0	0	1	2	2	1	0
1	0	0	1	2	1	0	0
2	0	0	1	2	1	1	0
0	0	0	1	3	1	1	0
2	0	0	2	30	1	1	0
1	0	0	2	30	1	0	0
0	0	0	1	29	2	0	0
1	0	0	1	29	1	1	0
0	0	0	1	30	1	0	0
0	0	0	1	31	1	0	0
1	0	0	0	31	0	1	0
0	0	0	1	29	1	0	0
0	0	0	2	31	0	1	0
1	0	0	1	29	1	1	0
0	0	0	1	29	0	1	0
0	0	0	1	32	1	0	0
0	0	0	2	30	1	0	0
1	0	0	0	31	1	0	0
1	0	0	2	31	1	1	0
1	0	0	2	31	2	1	0
1	0	0	1	30	0	1	0
0	0	0	1	29	1	0	0
0	0	0	0	29	1	0	0
1	0	0	1	30	0	1	0
1	0	0	1	28	1	0	0
1	0	0	1	29	0	0	0
0	0	0	2	29	1	0	0
1	0	0	1	29	0	1	0
1	0	0	1	28	1	1	0
0	0	0	1	29	0	0	0
0	0	0	1	29	1	0	0
0	0	0	1	29	0	1	0
1	0	0	0	29	1	0	0
0	0	0	1	30	1	0	0
1	0	0	0	29	0	0	0

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG
46	15	16	*	0	0	0	1
47	15	36	*	1	0	0	1
48	15	56	*	0	0	0	2
49	16	17	*	1	0	0	1
50	16	37	*	1	0	0	1
51	16	57	*	1	0	0	1
52	17	18	*	1	0	0	1
53	17	38	*	1	0	0	0
54	17	58	*	0	0	0	0
55	18	19	*	1	0	0	0
56	18	39	*	1	0	0	0
57	18	59	*	0	0	0	1
58	19	20	*	1	0	0	0
59	19	40	0	1	0	0	0
60	20	0	*	2	0	1	1
61	20	20	0	1	0	0	1
62	20	41	*	0	0	0	1
63	21	1	77	0	0	0	1
64	21	21	*	1	0	0	1
65	21	42	0	0	0	0	1
66	22	2	0	1	0	0	1
67	22	22	0	0	0	0	0
68	22	43	0	0	0	0	1
69	23	3	0	0	0	0	2
70	23	23	*	0	0	0	1
71	23	44	0	0	0	0	1
72	24	4	*	1	0	0	1
73	24	24	*	1	0	0	0
74	24	45	0	3	4	0	1
75	25	5	*	37	13	9	0
76	25	25	*	46	13	24	9
77	25	46	*	42	14	20	17
78	26	6	0	39	18	20	19
79	26	26	*	36	14	8	21
80	26	47	0	35	12	20	21
81	27	7	*	33	13	20	21
82	27	27	*	32	12	22	21
83	27	48	*	58	18	22	68
84	28	8	*	54	15	20	72
85	28	28	*	51	18	22	72
86	28	49	*	50	20	23	71
87	29	9	*	50	16	21	72
88	29	29	*	48	16	22	74
89	29	50	0	48	17	22	72
90	30	10	19	45	16	23	70
91	30	30	19	45	16	22	71
92	30	51	19	44	17	22	72
93	31	11	19	46	16	21	69
94	31	31	19	45	16	24	69
95	31	52	19	45	17	21	71

1-19	1-20	1-21	1-22	1-23	1-24	1-25	1-26
ENG.1	ENG.1	ENG.1	ENG.1	ACCESS	MAIN	ENG.1	ENG.1
OIL	SCAV	FUEL	NOSE	GEAR	GEAR	BLEED	FUEL
PUMP	PUMP	BOOST	GEAR	BOX	BOX	AIR	PUMP
OUTLET	OUTLET	PUMP	BOX	OIL	OIL		INLET
PRESS	PRESS	OUTLET	OIL	PRESS	PRESS	PRESS	PRESS
PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG
0	0	0	1	27	1	0	0
1	0	0	1	29	1	1	0
0	0	0	2	29	1	1	0
1	0	0	1	28	0	0	0
1	0	0	1	27	1	0	0
1	0	0	1	27	0	1	0
1	0	0	1	29	1	0	0
1	0	0	0	27	0	1	0
0	0	0	0	26	2	1	0
1	0	0	0	26	0	0	0
1	0	0	0	29	0	1	0
0	0	0	1	28	2	0	0
1	0	0	0	29	0	0	0
1	0	0	0	29	1	1	0
2	0	1	1	25	1	0	0
1	0	0	1	27	0	0	0
0	0	0	1	28	0	0	0
0	0	0	1	28	0	1	0
1	0	0	1	28	1	0	0
0	0	0	1	26	0	0	0
1	0	0	1	26	1	0	0
0	0	0	0	28	1	0	0
0	0	0	1	27	0	0	0
0	0	0	2	27	1	0	0
0	0	0	1	29	1	0	0
0	0	0	1	28	0	0	0
1	0	0	1	27	1	0	0
1	0	0	0	27	1	0	0
3	4	0	1	27	0	2	0
7	13	9	0	26	0	12	10
6	13	24	9	26	9	16	13
2	14	20	17	24	17	18	13
9	18	20	19	26	19	17	14
	14	8	21	25	19	18	11
	12	20	21	27	21	19	14
9	13	20	21	26	21	18	14
12	12	22	21	26	21	18	14
93	18	22	68	27	67	91	21
	15	20	72	26	72	90	24
5	18	22	72	24	77	92	21
0	20	23	71	23	76	93	20
	16	21	72	24	78	93	21
40	16	22	74	24	78	93	23
46	17	22	72	26	78	93	23
45	16	23	70	24	78	94	21
	16	22	71	23	70	92	21
4	17	22	72	24	78	92	21
5	16	21	69	23	76	92	22
93	16	24	69	24	78	93	23
5	17	21	71	25	76	93	24

2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG
96	32	12	76	45	16	21	74
97	32	32	81	42	16	22	69
98	32	53	98	39	16	21	69
99	33	13	84	41	13	22	74
100	33	33	83	41	15	23	72
101	33	54	59	38	15	23	64
102	34	14	73	40	14	20	64
103	34	34	73	40	14	24	69
104	34	55	50	42	15	23	66
105	35	15	63	42	15	22	68
106	35	35	79	39	14	21	71
107	35	56	49	42	14	22	71
108	36	16	64	42	14	24	64
109	36	36	64	39	16	24	63
110	36	57	82	39	14	21	69
111	37	17	82	41	15	22	72
112	37	37	77	41	15	22	68
113	37	58	61	40	15	21	63
114	38	18	75	41	14	23	72
115	38	38	71	42	14	21	68
116	38	59	80	39	15	22	67
117	39	19	66	42	18	22	66
118	39	39	84	40	16	21	75
119	40	0	94	41	14	21	70
120	40	20	94	42	16	23	67
121	40	40	94	35	15	19	63
122	41	1	94	41	16	21	69
123	41	21	49	42	16	23	72
124	41	41	76	40	14	21	65
125	42	2	76	39	16	21	68
126	42	22	68	39	16	21	66
127	42	42	81	40	15	21	69
128	43	3	83	41	15	23	71
129	43	23	83	41	17	22	67
130	43	43	83	40	15	21	75
131	44	4	83	41	15	23	67
132	44	24	83	40	14	22	64
133	44	44	83	41	15	22	66
134	45	5	83	40	15	24	70
135	45	25	83	40	17	21	68
136	45	45	83	40	15	24	71
137	46	6	83	41	15	22	68
138	46	26	83	41	14	23	67
139	46	46	83	41	17	22	66
140	47	7	83	42	16	20	68
141	47	27	83	40	13	21	74
142	47	47	83	41	13	21	67
143	48	8	83	41	16	21	71
144	48	28	86	40	14	22	69
145	48	48	83	39	14	21	67

-19	1-20	1-21	1-22	1-23	1-24	1-25	1-26
.1	ENG.1	ENG.1	ENG.1	ACCESS	MAIN	ENG.1	ENG.1
OIL	SCAV	FUEL	NOSE	GEAR	GEAR	BLEED	FUEL
UMP	PUMP	BOOST	GEAR	BOX	BOX	AIR	PUMP
LET	OUTLET	PUMP	BOX	OIL	OIL		INLET
ESS	PRESS	OUTLET	OIL	PRESS	PRESS	PRESS	PRESS
SIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG
45	16	21	74	25	78	92	22
42	16	22	69	25	79	91	22
39	16	21	69	27	78	50	21
41	13	22	74	25	75	72	21
41	15	23	72	25	76	73	21
38	15	23	64	19	71	59	20
40	14	20	64	21	73	69	19
40	14	24	69	23	74	70	20
42	15	23	66	22	72	80	21
42	15	22	68	23	73	81	23
39	14	21	71	23	75	69	20
42	14	22	71	25	74	84	22
42	14	24	66	23	74	84	22
39	16	24	63	23	69	64	22
39	14	21	69	23	75	74	20
41	15	22	72	24	75	73	21
41	15	22	68	23	73	77	21
40	15	21	63	22	71	68	23
41	14	23	72	24	73	73	21
42	14	21	68	24	73	83	21
39	15	22	67	23	74	63	19
42	15	22	66	24	72	86	21
40	16	21	75	23	74	73	22
41	14	21	70	26	76	76	22
42	16	23	67	25	78	78	24
35	15	19	63	24	77	47	19
41	16	21	69	27	76	75	21
42	16	23	72	24	76	92	20
40	14	21	69	24	72	76	22
39	16	21	68	23	71	68	21
39	16	21	66	24	71	69	21
40	15	21	69	26	74	76	23
41	15	23	71	24	75	76	21
42	17	22	67	25	75	74	22
40	15	21	75	25	74	77	22
41	15	23	67	26	74	76	21
40	14	22	64	23	75	75	23
41	15	22	66	26	75	76	22
40	15	24	74	24	74	77	24
40	17	21	68	23	74	75	22
40	15	24	71	25	74	76	22
41	15	22	68	25	73	76	24
41	14	23	67	26	74	77	22
41	17	22	66	23	74	77	21
42	16	20	69	23	73	75	22
40	13	21	73	24	74	77	22
41	13	23	67	25	74	76	21
41	16	23	71	25	75	76	22
40	14	22	69	24	75	74	21
39	14	21	67	24	73	69	22

2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG
146	49	9	83	39	15	21	66
147	49	29	83	39	13	22	66
148	49	49	84	43	16	24	66
149	50	10	83	50	18	23	64
150	50	30	87	51	18	24	68
151	50	50	86	51	19	24	66
152	51	11	86	50	17	23	69
153	51	31	86	51	18	30	83
154	51	51	86	49	20	23	71
155	52	12	86	50	20	24	58
156	52	32	86	50	20	24	83
157	52	52	86	50	19	26	61
158	53	13	86	49	19	23	62
159	53	33	86	51	20	24	71
160	53	53	86	48	21	23	58
161	54	14	86	46	20	24	66
162	54	34	86	45	21	24	67
163	54	54	82	45	20	26	66
164	55	15	82	45	20	25	65
165	55	35	82	45	21	23	61
166	55	55	82	45	21	23	66
167	56	16	82	44	18	22	70
168	56	36	82	44	22	23	70
169	56	56	82	45	19	21	63
170	57	17	82	45	18	21	69
171	57	37	81	40	17	24	67
172	57	57	81	40	18	24	69
173	58	17	81	40	19	23	69
174	58	38	84	40	21	21	69
175	58	58	84	39	17	21	66
176	59	19	84	42	15	22	68
177	59	39	84	40	14	23	64
178	59	59	84	40	16	20	60
179	60	19	84	40	14	21	68
180	60	41	84	40	17	21	60
181	61	1	84	39	16	22	69
182	61	21	84	41	17	22	65
183	61	42	84	40	14	22	66
184	62	2	84	40	14	20	70
185	62	23	84	39	15	22	63
186	62	38	84	39	16	21	69
187	62	59	84	40	18	20	66
188	63	19	84	39	16	21	65
189	63	39	84	39	18	22	68
190	64	0	84	40	17	22	66
191	64	20	84	39	16	21	66
192	64	40	84	40	15	22	61
193	65	1	84	45	17	21	62
194	65	21	84	46	18	23	70
195	65	41	84	44	16	24	68

1-19 ENG.1 OIL PUMP INLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
39	15	21	66	26	73	69	22
39	13	22	66	24	73	70	21
43	16	24	66	27	73	101	22
50	18	23	64	23	74	140	22
51	18	24	68	24	73	153	21
51	15	24	66	24	73	153	22
50	17	23	69	24	74	159	22
51	18	30	83	24	72	154	22
49	20	23	71	24	75	153	24
50	20	24	58	23	75	155	23
50	20	24	83	23	74	155	23
50	19	26	61	23	73	153	23
49	19	23	62	24	73	153	25
51	20	24	71	23	72	152	23
48	21	23	58	28	73	139	22
46	20	24	66	23	75	124	23
45	21	24	67	25	74	112	25
45	20	26	66	26	72	111	23
45	20	25	65	26	72	111	21
45	21	23	61	23	72	110	24
45	21	23	68	24	72	109	23
44	18	22	70	24	74	110	22
44	22	23	70	24	73	110	21
45	19	21	63	25	74	109	22
45	18	21	69	23	74	110	21
40	17	24	67	23	73	68	22
40	18	24	65	24	72	67	22
40	19	23	69	24	72	68	21
40	21	21	69	26	75	69	22
39	17	21	66	23	73	70	22
42	15	22	68	26	73	71	21
40	14	23	64	23	72	71	21
40	16	20	60	24	72	71	22
40	14	21	68	24	72	70	20
42	17	21	60	22	73	72	20
39	16	22	69	23	72	71	22
41	17	22	65	22	72	70	22
40	14	22	66	25	73	70	20
38	14	20	70	25	72	71	21
39	15	22	63	26	72	71	22
39	16	21	69	24	72	72	21
40	15	20	66	25	72	70	21
39	16	21	65	21	73	70	21
39	18	22	68	23	72	70	22
40	17	22	66	25	72	70	21
39	16	21	66	22	73	69	22
39	15	22	61	24	72	71	22
45	17	21	62	24	72	113	22
46	18	23	70	25	73	113	22
44	16	24	68	25	72	108	22

2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG
196	66	2	85	46	14	23	64
197	66	22	85	22	11	8	52
198	66	42	85	0	2	10	5
199	67	3	85	*	2	11	0
200	67	23	85	*	1	12	0
201	67	43	85	*	1	13	0
202	68	4	84	*	0	13	*
203	68	19	85	*	0	15	0
204	68	39	84	3	2	12	0
205	69	0	84	21	10	22	49
206	69	20	81	45	17	24	69
207	69	40	82	46	16	22	66
208	70	1	22	50	19	24	72
209	70	21	*	51	17	24	68
210	70	41	*	51	20	22	64
211	71	2	*	50	18	26	63
212	71	22	*	50	18	24	66
213	71	42	*	49	19	22	68
214	72	3	*	49	20	25	67
215	72	23	19	49	23	23	65
216	72	43	19	51	20	25	69
217	73	4	39	50	20	25	64
218	73	24	85	43	20	22	66
219	73	45	82	45	22	21	66
220	74	5	82	44	20	23	71
221	74	26	82	46	19	24	74
222	74	47	82	46	18	22	71
223	75	7	82	46	20	23	70
224	75	27	82	46	20	23	71
225	75	48	82	39	17	22	62
226	76	8	82	40	16	24	61
227	76	28	82	38	17	20	63
228	76	49	82	39	16	18	64
229	77	9	22	30	14	17	55
230	77	29	0	0	3	8	6
231	77	50	0	*	1	10	0
232	78	10	0	*	1	12	0
233	78	30	0	*	1	13	0
234	78	51	0	*	0	14	0
235	79	11	*	0	0	15	0
236	79	31	*	0	0	16	0
237	79	51	*	0	0	16	0
238	*	*	*	*	*	*	*

1-19 ENG.1 OIL PUMP INLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
46	14	23	64	23	74	109	21
22	11	8	52	23	72	20	14
0	2	10	5	22	73	0	10
*	2	11	0	24	72	0	11
*	1	12	0	26	72	0	12
*	1	13	0	24	72	0	14
*	0	13	*	23	71	0	14
*	0	15	0	21	73	0	14
3	2	12	0	23	72	0	13
21	10	22	49	21	73	18	13
45	17	24	69	25	75	99	21
46	16	22	66	23	73	111	22
50	19	24	72	23	71	144	22
51	17	24	68	21	71	145	22
51	20	22	64	23	71	147	23
50	18	26	63	24	72	143	22
50	18	24	66	23	72	147	22
49	19	22	68	24	71	149	23
49	20	25	67	24	72	147	24
49	23	23	65	23	71	146	22
51	20	25	69	23	72	148	24
50	20	25	64	23	70	145	22
43	20	22	60	24	73	109	21
45	22	21	66	24	73	110	21
44	20	23	71	23	73	111	21
46	18	24	74	26	74	111	21
46	18	22	71	23	74	110	21
46	20	23	70	26	73	110	21
46	20	23	71	26	72	111	21
39	17	22	62	26	72	68	20
40	16	24	61	25	73	67	21
38	17	20	63	26	73	67	22
39	16	18	64	25	73	68	20
30	14	17	55	25	65	25	17
0	3	8	6	27	37	2	10
*	1	10	0	23	17	0	11
*	1	12	0	26	7	1	12
*	1	13	0	25	4	0	13
*	0	14	0	26	2	1	14
0	0	15	0	1	1	1	15
0	0	16	0	0	0	2	16
0	0	16	0	0	0	0	17
*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
1	0	5	0	35	5	0	20
2	0	26	0	50	5	0	20
3	0	46	0	35	5	0	15
4	1	6	0	50	15	0	15
5	1	26	0	40	20	0	20
6	1	47	0	50	20	0	20
7	2	7	0	35	15	0	15
8	2	27	0	50	15	0	15
9	2	47	0	50	25	0	5
10	3	8	0	60	25	32	3020
11	3	28	0	45	5	30	3040
12	3	48	0	45	15	26	3045
13	4	9	0	30	15	36	3040
14	4	29	0	35	10	36	3100
15	4	49	0	25	15	40	2995
16	5	9	0	30	20	39	3070
17	5	30	0	30	20	32	3050
18	5	50	0	40	20	33	3050
19	6	10	0	45	20	24	3100
20	6	30	0	40	15	39	3020
21	6	51	0	35	15	22	3070
22	7	11	0	45	10	32	3040
23	7	31	0	45	25	22	3025
24	7	52	0	35	20	27	2975
25	8	12	0	50	15	33	2920
26	8	32	0	30	20	44	3000
27	8	52	0	30	25	32	3025
28	9	13	0	25	20	40	3010
29	9	33	0	45	25	44	3000
30	9	53	0	50	20	27	3025
31	10	14	0	40	10	22	3025
32	10	34	1	40	25	33	3040
33	10	54	1	50	20	33	3000
34	11	15	1	40	20	22	3070
35	11	35	1	35	10	31	3020
36	11	55	0	50	10	22	3055
37	12	15	0	45	25	36	3045
38	12	36	0	50	30	36	3025
39	12	56	0	50	25	40	2975
40	13	16	1	50	15	40	3050
41	13	37	1	35	20	44	2990
42	13	57	0	40	10	26	3025
43	14	17	0	40	15	26	3025
44	14	38	1	35	5	23	3005
45	14	58	1	40	15	22	3055

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

2-06 STAGE HYD. PUMP INLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
35	5	0	20	34	14	8	6	0
50	5	0	20	24	2	6	6	0
35	5	0	15	14	16	10	8	0
50	15	0	15	24	6	12	2	0
40	20	0	20	19	6	16	8	0
50	20	0	20	39	10	6	12	0
35	15	0	15	29	6	6	2	0
50	15	0	15	29	6	12	2	0
50	25	0	5	49	12	6	16	0
60	25	32	3020	3016	1067	44	44	28
45	5	30	3040	3021	1067	42	40	27
45	15	26	3045	3031	1077	42	42	27
30	15	36	3040	3016	1073	38	44	32
35	10	36	3100	3001	1077	40	40	28
25	15	40	2995	3006	1069	40	44	27
30	20	39	3070	3021	1071	32	46	27
30	20	32	3050	2996	1065	38	40	32
40	20	33	3050	3026	1065	40	44	28
45	20	24	3100	3016	1071	42	42	24
40	15	39	3020	3016	1069	42	48	27
35	15	22	3070	3001	1069	40	40	31
45	10	32	3040	3011	1065	42	44	32
45	25	22	3025	2986	1061	40	54	30
35	20	27	2975	2981	1071	42	46	28
50	15	33	2920	2991	1081	40	52	29
30	20	44	3000	2986	1061	40	56	30
30	25	32	3025	2996	1061	42	48	27
35	20	40	3010	3001	1061	42	52	30
45	25	44	3000	2991	1063	40	50	27
50	20	27	3025	3001	1061	40	50	32
40	10	22	3025	2981	1065	32	48	31
40	25	33	3040	2996	1055	40	52	31
60	20	33	3000	2986	1061	40	60	32
40	20	22	3070	2981	1053	40	50	32
35	10	31	3020	2991	1061	44	46	30
50	10	22	3055	2972	1061	40	60	32
45	25	36	3045	2991	1057	40	54	30
50	30	36	3025	3001	1065	40	56	27
50	25	40	2975	2991	1055	36	52	31
50	15	40	3050	2986	1053	40	52	24
35	20	44	2990	3001	1057	44	44	26
40	10	26	3025	2981	1061	40	60	25
40	15	26	3025	2981	1047	30	48	27
35	5	23	3005	2986	1045	44	46	27
40	15	22	3055	2996	1051	40	52	31

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
46	15	18	0	50	5	40	3040
47	15	19	1	45	10	22	3070
48	15	59	1	35	20	32	3050
49	16	19	0	35	15	36	3025
50	16	39	*	35	10	39	3055
51	17	0	*	40	10	33	3040
52	17	20	0	25	20	44	2865
53	17	40	*	50	20	32	3000
54	18	1	*	35	5	23	3050
55	18	21	*	40	10	40	3100
56	18	41	0	40	20	40	3005
57	19	2	0	50	10	44	3100
58	19	22	0	50	15	33	2920
59	19	42	0	50	5	33	2860
60	20	2	*	50	10	22	2920
61	20	23	0	50	25	22	3070
62	20	43	0	40	5	32	3040
63	21	3	0	55	10	33	3040
64	21	24	0	35	10	40	3000
65	21	44	0	40	20	32	3020
66	22	4	0	40	20	40	3005
67	22	25	0	35	5	40	3005
68	22	45	0	40	10	40	3045
69	23	5	0	35	20	27	3100
70	23	26	0	40	10	26	3025
71	23	46	0	35	5	32	3040
72	24	6	0	40	10	32	3000
73	24	27	0	50	20	27	3050
74	24	47	0	40	20	21	3005
75	25	7	6	780	773	30	3025
76	25	28	30	2915	2881	27	3070
77	25	48	17	2980	2941	32	3000
78	26	8	40	2920	2881	36	3000
79	26	29	25	2950	2931	24	3005
80	26	49	30	2955	2941	27	3025
81	27	9	30	2945	2951	32	3100
82	27	30	16	2970	2936	44	2990
83	27	50	32	3036	3017	33	3050
84	28	10	34	3121	3032	22	3005
85	28	31	48	3061	3027	23	3010
86	28	51	24	3091	3022	26	2995
87	29	11	25	3041	3032	23	3010
88	29	32	48	3161	3052	26	2970
89	29	52	35	3081	3006	23	3055
90	30	12	42	3068	3017	34	3040
91	30	33	*	3081	3022	31	3018
92	30	53	22	3081	3022	26	3100
93	31	13	40	3031	3017	20	2985
94	31	34	40	3061	2976	20	3040
95	31	54	28	3026	3032	23	3040

2-06 STAGE HYD. PUMP INLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
50	5	40	3040	2981	1057	42	52	33
45	10	22	3070	2972	1049	34	46	31
35	20	32	3050	2981	1049	38	54	31
35	15	36	3025	3001	22	40	46	25
35	10	39	3055	2967	28	44	46	32
40	10	33	3040	2981	1041	1051	46	26
25	20	44	2885	2972	1045	1049	42	32
50	20	32	3000	2981	1037	1047	50	31
35	5	23	3050	2967	1041	1047	50	32
40	10	40	3100	2981	1037	1047	56	23
40	20	40	3005	2981	1035	1047	52	23
50	10	44	3100	2981	1045	1047	46	24
50	15	33	2920	2986	1035	1047	50	27
50	5	33	2860	2981	1035	1051	46	32
50	10	22	2920	2981	1043	1045	52	27
50	25	22	3070	2981	1037	1049	50	26
40	5	32	3040	2962	1043	1047	46	26
55	10	33	3040	2981	1035	1041	46	31
35	10	40	3000	2957	1037	1055	50	26
40	20	32	3020	2991	1037	1041	48	22
40	20	40	3005	2981	1039	1047	60	27
35	5	40	3005	2957	1033	1047	44	31
40	10	40	3045	2981	1031	1037	50	31
35	20	27	3100	2981	1027	1049	48	22
40	10	26	3025	2967	1041	1047	52	23
35	5	32	3040	2937	1029	1041	50	27
40	10	32	3000	2957	1027	1047	50	26
50	20	27	3050	2972	1023	1041	46	24
40	20	21	3005	2907	1029	1037	56	31
30	773	30	3025	2972	1041	1037	44	31
15	2881	27	3070	2981	1031	1037	46	30
80	2941	32	3060	2972	1037	1041	50	24
20	2881	36	3000	14	24	24	48	30
20	2931	24	3005	2957	1025	1027	42	24
66	2941	27	3025	2952	1023	1029	40	29
45	2951	32	3100	2972	1025	1031	42	28
70	2936	44	2990	2957	1027	1037	40	29
36	3017	33	3050	2947	1021	1037	30	29
11	3032	22	3005	2947	1027	1039	34	30
61	3027	23	3010	2932	1029	1039	40	30
91	3022	26	2995	2977	1037	1027	38	30
41	3032	23	3010	2917	1025	1031	34	30
61	3052	26	2970	2942	1029	1037	42	27
81	3006	23	3055	2972	1033	1035	42	26
56	3017	34	3040	2942	1041	1033	42	26
81	3022	31	3010	2972	1027	1041	40	29
81	3022	26	3100	2972	1027	1045	40	27
81	3017	20	2905	2937	1037	1043	40	29
61	2976	20	3040	2947	1029	1051	32	27
26	3032	23	3040	2947	1029	1037	36	26

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
96	32	14	26	3046	3032	24	2905
97	32	35	29	3066	3017	26	2975
98	32	55	25	3081	3017	23	3040
99	33	15	35	3020	2991	23	2860
100	33	36	27	3020	2971	21	3010
101	33	56	34	2955	3012	27	2900
102	34	16	30	2975	3022	29	2930
103	34	37	36	3015	2981	26	3010
104	34	57	34	3031	3022	18	3005
105	35	17	38	3015	3017	28	3050
106	35	38	32	2985	3001	28	3020
107	35	58	33	2985	3012	40	3020
108	36	18	26	3031	2966	28	2970
109	36	39	25	3000	2986	30	2970
110	36	59	28	2985	3017	25	3005
111	37	19	27	3000	2976	29	3000
112	37	40	41	3061	3012	31	2970
113	38	0	23	2945	3017	25	2030
114	38	20	32	3026	2991	25	2975
115	38	41	27	2975	3022	25	2945
116	39	1	40	3020	2986	26	3010
117	39	21	24	3041	3012	30	2965
118	39	42	*	3000	2986	30	3100
119	40	2	33	3071	3017	28	2970
120	40	22	25	2925	3012	25	3025
121	40	43	40	3015	3032	26	2885
122	41	3	35	3031	3032	27	3050
123	41	23	41	2945	2981	30	3040
124	41	44	29	3015	3032	32	3005
125	42	4	33	3041	2966	25	3020
126	42	24	33	2975	2976	28	3020
127	42	45	40	3015	2986	30	3045
128	43	5	24	2935	3017	27	3045
129	43	25	35	3041	3057	28	3070
130	43	46	30	2980	3012	25	2880
131	44	6	21	3041	3017	28	3070
132	44	26	48	3000	3012	32	3005
133	44	47	35	2985	2976	27	3070
134	45	7	40	2980	3032	30	2955
135	45	27	41	3020	2976	24	3005
136	45	48	*	2980	3032	25	2880
137	46	8	42	2985	2966	29	2825
138	46	28	26	3066	2976	27	3050
139	46	49	27	2935	3017	25	2955
140	47	9	27	3066	3001	30	3050
141	47	29	21	3041	3052	32	3005
142	47	50	21	3020	3001	30	3055
143	48	10	33	3056	2971	28	3040
144	48	30	40	3031	3012	24	3040
145	48	51	26	2935	3052	29	2990

2-06 AGE YD. UMP LET ESS SIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
46	3032	24	2905	2981	1031	1037	36	28
66	3017	26	2975	2972	1035	1027	36	27
81	3017	23	3040	2957	1035	1037	32	29
20	2991	23	2880	2942	1031	1033	32	28
20	2971	21	3010	2972	1029	1035	26	29
95	3012	27	2900	2981	24	22	30	30
75	3022	29	2930	2952	1025	1043	26	29
15	2981	26	3010	2947	1037	1043	30	27
31	3022	18	3005	2952	1033	1029	26	30
15	3017	28	3050	2937	1033	1043	30	28
35	3001	20	3020	2952	1037	1037	28	29
65	3012	40	3020	2986	1035	1043	34	27
31	2966	28	2970	2972	1037	1037	36	30
80	2986	30	2970	2967	22	20	30	31
95	3017	25	3005	2947	1037	1039	40	29
20	2976	29	3000	2942	1023	1035	30	28
51	3012	31	2970	2952	1037	1037	40	30
55	3017	25	2030	3255	1027	1037	40	30
26	2991	25	2975	2962	1041	1037	26	30
75	3022	25	2945	2981	1041	1037	36	27
70	2986	26	3010	2967	1031	1043	26	28
51	3012	30	2965	2952	1033	1035	32	29
70	2986	30	3100	2947	1031	1039	28	30
71	3017	28	2970	2952	1031	1031	28	27
45	3012	25	3025	2947	1031	1041	28	29
45	3032	26	2885	2991	1041	1037	28	29
31	3032	27	3050	2952	1031	1033	30	34
85	2981	30	3040	2947	1025	1035	34	28
55	3032	32	3005	2897	1031	1037	36	28
11	2966	25	3020	2937	1037	1031	26	29
75	2976	28	3020	2947	1031	1029	34	30
55	2986	30	3045	2991	1035	1041	32	30
55	3017	27	3045	2972	1035	1043	32	29
71	3057	28	3070	2986	1025	1031	36	30
08	3012	25	2880	2967	1033	1043	36	31
25	3017	28	3070	2932	1033	1041	28	29
21	3012	32	3005	2942	1031	1037	28	27
95	2976	27	3070	2952	1041	1041	36	30
08	3032	30	2955	2942	1035	1037	26	30
75	2976	24	3085	2942	1031	1035	32	30
55	3032	25	2880	2981	1033	1039	34	29
11	2966	29	2825	2947	1031	1037	28	30
55	2976	27	3050	2952	1027	1039	34	30
95	3017	25	2955	2927	1031	1041	26	30
41	3001	30	3050	2967	1031	1037	30	30
08	3052	32	3005	2947	1037	1033	36	30
01	3001	30	3055	2962	1035	1035	26	29
71	2971	28	3040	2981	1025	1039	30	32
21	3012	24	3040	2961	1025	1033	36	29
55	3052	29	2990	2962	1027	1033	30	29

2

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
146	49	11	40	3020	2976	30	3005
147	49	31	41	3066	3012	34	2920
148	49	52	35	2980	2981	25	3040
149	50	12	40	2965	3012	25	3005
150	50	32	48	2980	2966	27	3025
151	50	53	40	3026	2971	29	3100
152	51	13	37	2980	2956	24	3000
153	51	33	41	2935	2976	25	3045
154	51	54	27	3020	3012	24	3000
155	52	14	35	2980	2986	27	3000
156	52	34	41	3020	2971	28	3020
157	52	55	30	3020	3032	26	3100
158	53	15	41	3041	3012	26	3025
159	53	35	25	3000	2976	31	2920
160	53	56	27	3061	3012	32	3100
161	54	16	33	3081	3032	29	3100
162	54	36	33	2975	3006	27	2995
163	54	57	41	3020	3017	28	2875
164	55	17	34	2980	3012	29	2950
165	55	37	31	3066	3012	24	3040
166	55	58	32	3041	3017	28	3055
167	56	18	35	3066	3062	26	3005
168	56	38	49	2995	2981	27	3050
169	56	59	22	2980	3032	25	2900
170	57	19	32	3000	2966	25	2870
171	57	39	40	3061	2971	29	3050
172	57	59	45	3000	3017	29	2875
173	58	20	34	3020	3012	32	3000
174	58	40	40	3020	2966	30	3050
175	59	1	48	2985	2976	27	3005
176	59	21	40	2980	3032	26	3050
177	59	41	48	3066	3012	26	3040
178	60	1	21	2980	3032	32	2825
179	60	22	41	2995	3012	26	3060
180	60	43	26	3000	2991	30	3100
181	61	3	29	3026	3001	29	2990
182	61	24	18	3041	2991	30	3000
183	61	44	36	2935	3017	30	3005
184	62	4	35	3020	2976	28	3025
185	62	25	31	3066	2976	25	3000
186	62	41	21	2990	3032	29	2955
187	63	1	25	3066	2966	30	3010
188	63	21	21	2980	2981	24	3000
189	63	42	35	3041	3001	26	3025
190	64	2	35	2935	3017	29	2985
191	64	22	21	3020	2991	28	3020
192	64	43	21	2990	2991	26	3020
193	65	3	27	2980	2976	32	2980
194	65	23	32	3066	2971	30	3100
195	65	44	35	2980	3006	26	2970

2-06 AGE YD. UMP LET ESS SIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
20	2976	30	3005	2962	1029	1033	26	30
66	3012	34	2920	2952	1031	1031	28	27
80	2981	25	3040	2937	1031	1035	26	31
65	3012	25	3005	2991	1027	1029	28	29
60	2966	27	3025	2991	1027	1047	22	30
26	2971	29	3100	2937	1025	1039	30	27
50	2956	24	3000	2952	1031	1029	22	28
85	2976	25	3045	2932	1015	1035	30	29
20	3012	24	3000	2937	1041	1035	36	26
80	2986	27	3000	2981	1023	1035	24	30
20	2971	28	3020	2942	1023	1039	28	29
50	3032	26	3100	2981	1033	1029	26	28
41	3012	26	3025	2981	1031	1023	30	29
00	2976	31	2920	2947	1025	1035	26	28
81	3012	32	3100	2962	1023	1037	30	28
1	3032	29	3100	2981	1033	1037	36	29
5	3006	27	2995	2981	1037	1027	36	32
70	3017	28	2875	2957	1027	1035	26	29
0	3012	29	2950	2972	1031	1043	28	30
6	3012	24	3040	2972	1037	1039	30	32
91	3017	28	3055	2917	1023	1037	24	29
0	3062	26	3005	2957	1025	1037	28	29
5	2981	27	3050	2981	1037	1033	36	31
0	3032	25	2900	2942	1041	1041	24	30
50	2966	25	2870	2952	1029	1041	24	29
1	2971	29	3050	2972	1023	1027	36	31
20	3017	29	2875	2942	1031	1035	30	30
0	3012	32	3000	2981	1037	1031	30	30
0	2966	30	3050	2962	1021	1037	36	30
5	2976	27	3009	2937	1037	1031	26	30
20	3032	26	3050	2962	1037	1033	40	27
6	3012	26	3040	2942	1029	1041	28	30
0	3032	32	2825	2952	1025	1035	26	27
5	3012	26	3060	2981	1037	1035	24	28
1	2991	30	3109	2977	1027	1031	24	30
1	3001	29	2990	2942	1033	1033	28	28
5	2991	30	3000	2991	1023	1043	26	32
5	3017	30	3005	2937	1029	1037	30	30
5	2976	28	3025	2942	1025	1031	26	32
5	2976	25	3000	2942	1021	1033	26	32
5	3032	29	2955	2942	1023	1035	26	31
5	2966	30	3010	2937	1027	1035	24	32
5	2981	24	3000	2981	1027	1035	28	32
5	3001	26	3025	2937	1023	1029	28	30
5	3017	29	2965	2942	1031	1037	28	31
5	2991	28	3020	2947	1023	1029	30	27
5	2991	26	3020	2977	1037	1035	26	30
5	2976	32	2860	2972	1023	1029	32	30
5	2971	30	3100	2972	1019	1029	30	27
5	3006	26	2870	2947	1027	1027	26	32

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
196	66	4	21	3061	3012	23	2920
197	66	24	32	3020	2986	31	3005
198	66	45	23	2965	2971	30	3000
199	67	5	24	3041	2981	26	3025
200	67	25	25	2975	3032	31	3060
201	67	46	20	3061	2981	22	3010
202	68	6	25	3061	2971	29	2970
203	68	21	21	3061	2991	23	3050
204	68	42	41	2945	2976	40	2975
205	69	2	17	2965	3017	25	2955
206	69	22	31	2980	2971	28	3055
207	69	43	32	3066	3012	31	3025
208	70	3	32	2980	2976	34	3000
209	70	23	21	2975	2981	31	2960
210	70	44	26	2980	3022	32	2965
211	71	4	27	2980	3017	30	2980
212	71	24	41	3031	2931	30	3005
213	71	45	25	2980	2966	25	3040
214	72	5	27	2995	2966	29	3020
215	72	25	39	3020	2971	24	2965
216	72	46	25	2980	3001	29	2955
217	73	6	23	3041	2981	29	2960
218	73	27	23	3061	3012	23	2975
219	73	47	24	2980	2966	23	3025
220	74	8	41	2980	3052	30	2950
221	74	28	29	2935	2976	23	3100
222	74	49	27	2980	3006	24	3005
223	75	9	42	3041	3017	31	3100
224	75	30	25	3066	3012	22	2975
225	75	50	27	2980	2976	31	2870
226	76	10	27	2935	3012	27	2990
227	76	31	26	2935	3012	22	2880
228	76	51	31	3020	2976	25	3005
229	77	11	28	2935	2986	23	3070
230	77	32	20	2970	3012	30	3100
231	77	52	31	2895	2891	26	3005
232	78	12	41	2849	2876	30	3065
233	78	32	24	2794	2821	32	3100
234	78	53	38	2728	2725	27	3020
235	79	13	28	1510	1526	6	2050
236	79	33	8	609	627	8	710
237	79	54	3	427	441	5	405
238	*	*	*	*	*	*	*

-08 AGE YD. UMP LET ESS IG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
61	3012	23	2920	2942	1033	1025	30	27
20	2986	31	3005	2937	1027	1033	28	29
65	2971	30	3000	2981	1029	1027	36	29
1	2981	26	3025	2947	1037	1031	22	31
75	3032	31	3060	2947	1021	1037	28	29
61	2981	22	3010	2952	1021	1025	28	29
61	2971	29	2970	2981	1027	1029	26	27
61	2991	23	3050	2962	1025	1029	30	27
65	2976	40	2875	2962	1025	1025	32	32
45	3017	25	2955	2986	1023	1031	28	30
80	2971	28	3055	2937	1025	1033	28	28
56	3012	31	3025	2942	1021	1029	28	27
80	2976	34	3000	2942	1031	1027	26	28
75	2981	31	2960	2962	1023	1033	24	30
0	3022	32	2965	2942	1027	1031	30	28
5	3017	30	2980	2937	1027	1027	24	29
81	2931	30	3005	2972	1025	1029	28	30
80	2966	25	3040	2991	1021	1031	24	27
5	2966	29	3020	2952	1029	1021	32	24
20	2971	24	2965	2962	1023	1029	26	32
0	3001	29	2955	2942	1025	1023	32	30
81	2981	29	2960	2957	1025	1027	28	29
61	3012	23	2975	2942	1037	1015	28	30
50	2966	23	3025	2957	1041	1031	22	26
0	3052	30	2950	2986	1027	1029	22	27
5	2976	23	3100	2952	1021	1027	22	26
60	3006	24	3005	2981	1019	1027	26	28
81	3017	31	3100	2981	1029	1033	28	27
6	3012	22	2975	2981	1027	1033	30	30
0	2976	31	2870	2947	1023	1027	28	27
9	3012	27	2990	2947	1033	1033	24	27
5	3012	22	2860	2952	1037	1031	36	27
20	2976	25	3005	2962	1027	1033	24	30
5	2986	23	3070	2972	1021	1029	22	26
6	3012	30	3100	2977	1021	1025	28	27
6	2891	26	3005	2937	1025	1033	32	28
9	2876	30	3065	2996	14	24	22	30
4	2821	32	3100	2981	22	20	32	30
8	2725	27	3020	3001	18	24	30	31
0	1526	6	2050	2042	20	10	14	40
9	527	8	710	710	0	4	2	6
7	441	5	405	402	0	*	0	1
*	*	*	*	*	*	*	*	*

2

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

1-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
1	0	5	20	*
2	0	26	10	2
3	0	46	30	2
4	1	6	30	2
5	1	26	15	0
6	1	47	15	0
7	2	7	20	0
8	2	27	30	4
9	2	47	30	*
10	3	8	2954	1440
11	3	28	3035	1444
12	3	48	3050	1434
13	4	9	3090	1440
14	4	29	3035	1442
15	4	49	3004	1448
16	5	9	3080	1440
17	5	30	2964	1446
18	5	50	3014	1446
19	6	10	3131	1448
20	6	30	3151	1442
21	6	51	3024	1448
22	7	11	3019	1452
23	7	31	3093	1456
24	7	52	3030	1456
25	8	12	2939	1456
26	8	32	2949	1446
27	8	52	2949	1458
28	9	13	2888	1438
29	9	33	2929	1460
30	9	53	2903	1460
31	10	14	3030	1460
32	10	34	3040	1456
33	10	54	3019	1460
34	11	15	2843	1460
35	11	35	3030	1460
36	11	55	2853	1460
37	12	15	3030	1460
38	12	36	2949	1458
39	12	56	2949	1458
40	13	16	2833	1450
41	13	37	2853	1462
42	13	57	3040	1462
43	14	17	2929	1460
44	14	38	2954	1460
45	14	58	2853	1460

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
45	15	18	2929	1460
47	15	19	2853	1464
48	15	59	3030	1464
49	16	19	2934	1460
50	16	39	2853	1460
51	17	0	2853	1456
52	17	20	2964	1460
53	17	40	2929	1460
54	18	1	2959	1460
55	18	21	2913	1460
56	18	41	3030	1462
57	19	2	2802	1462
58	19	22	2939	1462
59	19	42	2979	1460
60	20	2	2929	1460
61	20	23	2929	1460
62	20	43	2853	1460
63	21	3	2883	1460
64	21	24	2853	1460
65	21	44	2913	1470
66	22	4	2863	1460
67	22	25	2883	1454
68	22	45	2944	1458
69	23	5	2903	1466
70	23	26	2838	1462
71	23	46	2853	1462
72	24	6	2929	1462
73	24	27	3030	1462
74	24	47	2913	1458
75	25	7	3050	1456
76	25	28	2923	1460
77	25	48	2853	1460
78	26	8	2913	110
79	26	29	3078	1464
80	26	49	3080	1460
81	27	9	3080	1462
82	27	30	2913	1464
83	27	50	2939	1466
84	28	10	3040	1464
85	28	31	2979	1460
86	28	51	2989	1462
87	29	11	2949	1460
88	29	32	3045	1454
89	29	52	2959	1458
90	30	12	2959	1446
91	30	33	3030	1458
92	30	53	3085	1458
93	31	13	2969	1454
94	31	34	3079	1454
95	31	54	2913	1452

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
96	32	14	2989	1450
97	32	35	2964	1444
98	32	55	2913	1446
99	33	15	3030	1446
100	33	36	2949	1450
101	33	56	2999	1448
102	34	16	2949	1454
103	34	37	3030	1452
104	34	57	3019	1452
105	35	17	2984	1446
106	35	38	3019	1454
107	35	58	2944	1452
108	36	18	3070	1454
109	36	39	3045	1456
110	36	59	3050	1450
111	37	19	3009	1448
112	37	40	3019	1458
113	38	0	2979	1444
114	38	20	2964	1450
115	38	41	2999	1452
116	39	1	3019	1452
117	39	21	2999	1444
118	39	42	3004	1450
119	40	2	2954	1448
120	40	22	3030	1446
121	40	43	3030	1450
122	41	3	3035	1450
123	41	23	2964	1452
124	41	44	2969	1444
125	42	4	2999	1450
126	42	24	3045	1446
127	42	45	2994	1446
128	43	5	2944	1456
129	43	25	2954	1448
130	43	46	3030	1446
131	44	6	2959	1452
132	44	26	3232	1456
133	44	47	295[illegible]	1452
134	45	7	297[illegible]	1454
135	45	27	2949	1450
136	45	48	3014	1450
137	46	8	3120	1450
138	46	28	3040	1446
139	46	49	2954	1452
140	47	9	3080	1446
141	47	29	3035	1448
142	47	50	3004	1448
143	48	10	2959	1448
144	48	30	3080	1454
145	48	51	3080	1452

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
146	49	11	2969	1446
147	49	31	3070	1446
148	49	52	3045	1446
149	50	12	3050	1454
150	50	32	2954	1460
151	50	53	2949	1456
152	51	13	3030	1460
153	51	33	3030	1454
154	51	54	2954	1446
155	52	14	3030	1454
156	52	34	3030	1460
157	52	55	3070	1454
158	53	15	3050	1450
159	53	35	2954	1452
160	53	56	2949	1456
161	54	16	2944	1444
162	54	36	2999	1446
163	54	57	3090	1458
164	55	17	3030	1450
165	55	37	3120	1454
166	55	58	2934	1456
167	56	18	3080	1452
168	56	38	3095	1452
169	56	59	2959	1450
170	57	19	3040	1454
171	57	39	3050	1446
172	57	59	2944	1452
173	58	20	3050	1454
174	58	40	3035	1452
175	59	1	3060	1448
176	59	21	2959	1444
177	59	41	3065	1450
178	60	1	2944	1456
179	60	22	2893	1446
180	60	43	3085	1448
181	61	3	2959	1446
182	61	24	2979	1446
183	61	44	2989	1450
184	62	4	3232	1446
185	62	25	3070	1460
186	62	41	3019	1446
187	63	1	2979	1446
188	63	21	2969	1454
189	63	42	3125	1446
190	64	2	2959	1446
191	64	22	3090	1452
192	64	43	3030	1448
193	65	3	3030	1448
194	65	23	3030	1452
195	65	44	3035	1448

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
196	66	4	2954	1448
197	66	24	3030	1450
198	66	45	3030	1448
199	67	5	2934	1450
200	67	25	3030	1446
201	67	46	3070	1446
202	68	6	3080	1450
203	68	21	3120	1444
204	68	42	2883	1460
205	69	2	3030	1448
206	69	22	3050	1446
207	69	43	3090	1446
208	70	3	2964	1452
209	70	23	2964	1450
210	70	44	2979	1446
211	71	4	2934	1456
212	71	24	2964	1452
213	71	45	3030	1454
214	72	5	2898	1454
215	72	25	3035	1444
216	72	46	2959	1456
217	73	6	3030	1450
218	73	27	2954	1448
219	73	47	3030	1454
220	74	8	3141	1458
221	74	28	2934	1454
222	74	49	2999	1446
223	75	9	2954	1450
224	75	30	3030	1456
225	75	50	2994	1448
226	76	10	2939	1450
227	76	31	3030	1442
228	76	51	3030	1446
229	77	11	3131	1450
230	77	32	3080	1452
231	77	52	3030	1454
232	78	12	2954	1454
233	78	32	3100	1460
234	78	53	2954	1460
235	79	13	1206	1112
236	79	33	373	324
237	79	54	90	60
238	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

3-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
1	0	8	18	18	18	18	19
2	0	28	17	18	18	18	18
3	0	48	17	18	18	18	19
4	1	9	18	18	18	18	19
5	1	29	17	18	18	18	18
6	1	49	18	18	18	18	19
7	2	9	18	18	18	18	19
8	2	30	18	18	18	18	19
9	2	50	18	18	18	18	19
10	3	10	18	18	18	18	19
11	3	30	18	18	18	18	20
12	3	51	19	19	18	18	19
13	4	11	18	18	18	19	19
14	4	31	19	18	18	19	20
15	4	51	19	18	18	18	19
16	5	12	19	18	18	18	19
17	5	32	19	18	18	18	19
18	5	52	18	18	18	18	19
19	6	13	19	19	19	18	19
20	6	33	19	18	18	18	19
21	6	53	19	18	18	19	19
22	7	13	19	19	18	19	20
23	7	34	19	18	19	19	19
24	7	54	19	19	18	18	19
25	8	14	19	18	19	18	19
26	8	35	20	19	19	18	19
27	8	55	20	19	18	18	19
28	9	15	20	19	19	18	19
29	9	35	20	18	18	19	20
30	9	56	20	19	19	18	20
31	10	16	20	18	18	19	20
32	10	36	20	18	18	19	20
33	10	57	20	18	18	19	20
34	11	17	20	18	18	19	20
35	11	37	20	19	19	18	20
36	11	58	21	18	18	19	20
37	12	18	21	19	19	18	21
38	12	38	21	18	19	19	21
39	12	58	21	18	19	18	20
40	13	19	22	19	19	18	20
41	13	39	21	19	18	18	21
42	13	59	22	18	18	19	20
43	14	20	22	19	19	18	21
44	14	40	22	19	19	18	21
45	15	0	22	19	19	18	21

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

3-06 THERMOCOUPLE NUMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
18	18	18	19	18	17	17	19	17
18	18	18	18	18	17	17	18	18
18	18	18	19	18	18	17	19	18
18	18	18	19	18	17	17	19	17
18	18	18	18	18	17	17	18	18
18	18	18	19	18	17	17	19	18
18	18	18	19	19	18	17	19	18
18	18	18	19	19	17	18	19	18
18	18	18	19	19	18	18	19	18
18	18	18	19	19	18	18	19	18
18	18	18	20	19	19	18	19	18
19	18	18	19	19	19	18	19	18
18	18	19	19	19	19	18	19	18
18	18	19	20	19	18	18	19	18
18	18	18	19	18	18	18	19	18
18	18	18	19	19	17	18	19	18
18	18	18	19	18	18	18	19	18
18	18	18	19	18	18	17	19	18
19	19	18	19	18	18	18	20	18
18	18	18	19	18	18	17	19	18
18	18	19	19	19	17	17	19	18
18	18	19	20	19	18	18	19	18
18	19	19	19	18	18	18	19	17
19	18	18	19	19	18	18	19	18
18	19	18	19	19	18	18	19	19
19	19	18	19	19	18	18	19	18
19	18	18	19	19	18	18	19	19
19	19	18	19	19	18	18	19	18
18	18	19	20	19	18	18	20	18
19	19	18	20	18	18	18	20	18
18	18	19	20	20	18	18	19	19
18	18	19	20	19	18	18	20	18
18	18	19	20	19	18	18	19	19
18	18	19	20	20	18	18	20	18
19	19	18	20	19	18	18	21	18
18	18	19	20	19	19	18	20	18
19	19	18	21	19	19	18	21	19
18	19	19	21	19	18	18	20	19
18	19	18	20	19	19	18	20	18
19	19	18	20	19	18	18	21	18
19	18	18	21	19	18	17	21	19
18	18	19	20	20	18	18	20	19
19	19	19	21	20	19	18	20	19
19	19	18	21	20	18	18	20	19
19	19	18	21	19	19	18	21	18

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
46	15	21	22	19	19	19	21
47	15	41	22	19	18	19	21
48	16	1	22	19	19	19	21
49	16	22	23	20	20	19	21
50	16	42	23	19	19	19	22
51	17	2	23	19	20	19	21
52	17	22	24	20	19	19	21
53	17	43	24	19	19	19	21
54	18	3	24	19	20	19	21
55	18	23	24	20	20	19	21
56	18	44	24	20	19	19	22
57	19	4	24	19	19	20	21
58	19	24	24	20	20	19	21
59	19	45	25	20	20	19	21
60	20	5	23	21	20	20	22
61	20	25	18	22	23	22	22
62	20	46	17	22	22	22	22
63	21	6	18	22	22	22	22
64	21	26	18	23	22	22	22
65	21	46	18	22	22	23	22
66	22	7	16	22	22	22	22
67	22	27	18	22	22	22	22
68	22	47	19	22	22	22	22
69	23	8	18	22	23	22	22
70	23	28	16	23	23	22	22
71	23	48	16	23	22	22	22
72	24	9	18	23	23	22	22
73	24	29	17	23	23	22	22
74	24	49	18	23	23	22	22
75	25	10	18	22	23	22	22
76	25	30	21	24	24	23	23
77	25	50	19	22	22	23	23
78	26	11	18	24	22	24	23
79	26	31	17	23	23	23	24
80	26	51	19	24	22	24	23
81	27	12	17	23	22	24	23
82	27	32	17	23	23	23	24
83	27	52	17	22	23	23	23
84	28	13	19	23	23	23	24
85	28	33	17	24	23	22	23
86	28	53	17	24	24	22	22
87	29	14	17	24	24	22	22
88	29	34	17	23	22	23	23
89	29	54	19	24	23	23	22
90	30	15	18	24	23	22	23
91	30	35	15	24	23	23	23
92	30	55	17	22	22	22	22
93	31	16	15	23	22	22	22
94	31	36	15	22	22	22	22
95	31	56	17	21	22	22	22

3-06 TIER NUM BER TEMP OUT E.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
19	19	19	21	19	18	18	21	19
19	18	19	21	20	18	19	21	19
19	19	19	21	20	19	18	21	19
20	20	19	21	20	19	18	21	19
19	19	19	22	21	19	18	21	19
19	20	19	21	20	19	18	21	19
20	19	19	21	20	19	19	22	19
19	19	19	21	20	19	18	22	19
19	20	19	21	21	19	18	21	18
20	20	19	21	19	19	19	22	19
20	19	19	22	21	19	19	21	19
19	19	20	21	22	18	19	22	19
20	20	19	21	20	19	18	21	19
20	20	19	21	22	19	18	22	19
21	20	20	22	20	19	19	21	19
22	23	22	22	19	18	20	21	19
22	22	22	22	19	18	20	22	20
22	22	22	22	19	20	20	21	20
22	22	22	22	19	20	21	21	20
22	22	23	22	20	19	20	22	20
22	22	22	22	20	19	21	22	20
22	22	22	22	20	19	21	21	20
22	22	22	22	21	20	20	22	21
22	23	22	22	20	19	21	22	21
23	23	22	22	20	22	21	22	21
23	22	22	22	21	21	22	22	21
23	23	22	22	21	21	21	22	21
23	23	22	22	20	21	21	22	21
22	23	22	22	21	22	22	22	21
22	23	22	22	21	21	21	22	21
24	24	23	23	20	22	21	22	21
22	22	23	23	20	21	22	22	21
24	22	24	23	21	22	22	22	22
24	23	23	24	21	21	22	22	21
23	22	24	23	20	21	22	22	21
23	22	24	23	21	21	22	22	21
23	23	23	24	21	21	22	22	21
23	23	23	23	22	21	22	21	21
23	23	23	23	20	22	22	22	21
23	23	22	23	21	21	22	22	21
24	22	22	22	21	22	22	22	22
24	24	22	22	22	22	22	22	22
23	22	23	23	21	21	22	23	22
24	23	23	22	21	22	22	22	22
24	23	22	23	21	22	22	22	22
24	23	23	23	21	22	22	22	22
22	22	22	22	21	22	22	22	22
23	22	22	22	21	21	22	22	22
22	22	22	22	21	21	22	22	22
21	22	22	22	21	22	22	22	22

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
96	32	17	17	22	22	22	22
97	32	37	15	22	22	22	22
98	32	57	17	21	21	22	21
99	33	18	17	21	21	22	22
100	33	38	18	22	22	21	22
101	33	58	16	21	21	22	21
102	34	19	15	22	21	21	21
103	34	39	17	22	22	21	21
104	34	59	18	20	21	21	21
105	35	20	15	23	22	21	21
106	35	40	16	22	22	21	21
107	36	0	16	22	21	21	20
108	36	21	17	21	21	20	22
109	36	41	17	21	21	21	20
110	37	1	19	22	22	21	21
111	37	22	15	20	21	21	22
112	37	42	16	21	22	21	21
113	38	2	18	22	21	22	21
114	38	23	15	21	22	21	20
115	38	43	15	22	22	21	22
116	39	3	16	21	22	21	21
117	39	24	18	22	21	22	21
118	39	44	17	22	22	21	22
119	40	4	15	23	22	22	22
120	40	25	18	22	22	22	22
121	40	45	17	22	22	22	21
122	41	5	15	22	22	22	22
123	41	26	17	23	22	22	23
124	41	46	15	24	21	22	22
125	42	6	18	22	22	22	22
126	42	27	18	25	23	22	22
127	42	47	18	23	22	22	22
128	43	7	17	21	22	22	22
129	43	28	19	24	23	22	23
130	43	48	18	22	22	22	22
131	44	8	17	24	23	23	22
132	44	29	19	23	23	22	22
133	44	49	16	21	21	22	21
134	45	9	16	22	22	22	22
135	45	30	15	22	22	22	22
136	45	50	17	22	22	22	22
137	46	10	19	22	23	22	23
138	46	31	17	22	22	22	22
139	46	51	19	22	22	22	22
140	47	11	17	22	22	22	21
141	47	32	18	22	22	22	23
142	47	52	18	24	22	22	23
143	48	12	18	22	22	22	22
144	48	33	18	24	23	23	23
145	48	53	17	23	23	22	23

3-06 ER UM ER EMP OUT .C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
22	22	22	22	21	22	22	21	22
22	22	22	22	20	22	22	21	22
21	21	22	21	21	22	22	22	22
1	21	22	22	21	21	22	22	22
2	22	21	22	22	21	22	22	22
21	21	22	21	21	21	21	22	22
22	21	21	21	21	21	22	22	22
22	22	21	21	21	22	21	22	22
20	21	21	21	21	22	22	22	22
23	22	21	21	22	22	22	22	22
22	22	21	21	21	21	22	22	22
2	21	21	20	20	22	22	22	23
21	21	20	22	22	22	21	22	21
1	21	21	20	21	22	22	22	21
2	22	21	21	21	22	22	22	22
0	21	21	22	21	22	22	23	22
	22	21	21	22	22	22	22	22
	21	22	21	22	22	22	21	22
	22	21	20	21	21	22	22	22
	22	21	22	22	22	21	22	22
	22	21	21	21	21	22	20	20
	21	22	21	20	22	22	22	22
	22	21	22	21	22	22	22	21
	22	22	22	21	22	22	21	22
	22	22	22	21	22	22	23	22
	22	22	21	21	22	22	21	21
	22	22	22	21	23	22	23	22
	22	22	23	21	22	22	22	21
	21	22	22	20	22	22	22	22
	22	22	22	21	23	23	22	23
	23	22	22	22	22	22	22	22
	22	22	22	21	23	22	21	22
	22	22	22	22	22	23	23	22
	23	22	23	21	23	23	23	23
	22	22	22	21	22	22	22	22
	23	23	22	21	23	23	22	22
	23	22	22	21	22	23	22	23
	21	22	21	22	24	22	23	23
	22	22	22	22	22	23	22	22
	22	22	22	21	24	22	23	22
	22	22	22	22	22	23	22	22
	23	22	23	22	23	23	22	23
	22	22	22	22	23	23	23	22
	22	22	22	22	23	22	22	22
	22	22	21	21	22	23	22	22
	22	22	23	22	24	23	22	23
	22	22	23	22	24	23	22	24
	22	22	22	22	24	24	23	22
	23	23	23	21	24	23	24	22
	23	22	23	22	24	23	22	22

2

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
146	49	13	17	22	23	23	23
147	49	34	18	23	23	23	23
148	49	54	16	24	22	22	23
149	50	14	18	22	23	22	22
150	50	35	20	24	23	23	24
151	50	55	18	22	23	23	23
152	51	15	19	23	24	23	23
153	51	36	19	25	25	24	24
154	51	56	22	24	25	25	25
155	52	16	22	24	25	25	26
156	52	37	22	27	26	25	25
157	52	57	24	25	25	27	26
158	53	17	21	25	27	27	27
159	53	38	23	26	27	27	27
160	53	58	24	27	28	27	27
161	54	18	24	27	27	27	28
162	54	39	23	28	28	27	27
163	54	59	24	27	27	28	27
164	55	19	22	28	27	27	27
165	55	40	23	27	27	26	27
166	56	0	23	26	27	27	26
167	56	20	23	28	27	27	27
168	56	41	23	28	27	27	27
169	57	1	19	25	25	26	25
170	57	21	23	28	26	26	27
171	57	42	22	27	26	26	26
172	58	2	19	26	25	26	26
173	58	22	22	27	25	25	27
174	58	42	19	26	27	26	26
175	59	3	22	25	26	25	25
176	59	23	20	26	25	25	25
177	59	44	19	26	25	25	25
178	60	4	18	25	25	25	25
179	60	24	21	26	25	25	25
180	60	45	19	23	25	24	25
181	61	6	20	24	25	24	25
182	61	26	20	26	24	25	25
183	61	46	19	24	25	24	24
184	62	7	18	24	25	24	25
185	62	28	19	24	24	24	24
186	62	43	18	25	26	25	24
187	63	3	18	25	24	24	22
188	63	24	17	23	24	23	24
189	63	44	17	23	24	23	24
190	64	4	19	23	23	23	24
191	64	25	18	23	23	23	22
192	64	45	19	22	23	23	24
193	65	5	17	24	23	23	23
194	65	25	17	22	22	23	23
195	65	46	19	23	22	23	23

3-06 ATER NUM NBER TEMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
22	23	23	23	22	24	23	22	22
23	23	23	23	22	25	24	22	22
24	22	22	23	22	23	24	23	22
22	23	22	22	22	24	23	23	22
24	23	23	24	21	23	23	24	23
22	23	23	23	22	23	24	24	22
23	24	23	23	22	24	24	22	22
25	25	24	24	21	24	24	22	23
24	25	25	25	22	24	24	22	23
24	25	25	26	21	24	24	24	22
27	26	25	25	22	24	25	22	23
25	25	27	26	22	24	25	23	24
25	27	27	27	22	24	25	24	23
26	27	27	27	22	25	25	23	24
27	28	27	27	22	25	26	24	24
27	27	27	28	22	26	26	23	24
28	28	27	27	23	26	27	24	24
27	27	28	27	23	26	27	25	25
28	27	27	27	23	25	26	24	23
27	27	26	27	22	26	26	24	24
26	27	27	26	23	26	26	24	23
28	27	27	27	23	26	26	24	24
28	27	27	27	25	27	27	25	24
25	25	26	25	23	25	26	24	25
28	26	26	27	24	25	26	24	25
27	26	26	26	23	25	25	24	23
26	25	26	26	22	25	26	24	24
27	25	25	27	24	26	25	24	24
26	27	26	26	22	25	25	25	23
25	26	25	25	23	26	25	24	23
26	25	25	25	24	25	25	25	23
26	25	25	25	24	25	25	25	25
25	25	25	25	23	25	26	24	25
26	25	25	25	24	25	25	25	25
23	25	24	25	24	25	25	25	25
24	25	24	25	24	25	25	23	25
26	24	25	25	24	26	26	24	24
24	25	24	24	24	25	25	23	23
24	25	24	25	24	26	26	25	25
24	24	24	24	25	26	25	24	26
25	25	25	24	24	25	25	24	24
25	24	24	22	23	25	25	25	23
23	24	23	24	23	25	24	25	24
23	24	23	24	23	25	24	25	25
23	23	23	24	24	25	24	24	23
23	23	23	22	24	25	24	24	25
22	23	23	24	24	26	24	24	24
24	23	23	23	24	25	24	25	24
22	22	23	23	23	25	24	25	24
23	22	23	23	23	25	24	24	24

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
196	66	6	19	23	23	22	22
197	66	27	17	24	23	23	23
198	66	47	21	23	24	23	23
199	67	7	19	23	24	23	24
200	67	28	21	23	24	23	24
201	67	48	20	23	24	24	24
202	68	8	18	22	24	24	23
203	68	24	18	24	24	23	24
204	68	44	18	24	24	23	24
205	69	4	18	23	24	24	23
206	69	25	18	25	24	23	24
207	69	45	19	22	25	23	24
208	70	5	18	23	24	24	23
209	70	26	18	25	24	23	23
210	70	46	19	22	24	24	23
211	71	6	21	24	25	24	23
212	71	27	19	25	24	24	24
213	71	47	18	23	23	25	24
214	72	7	22	25	24	24	23
215	72	28	18	25	25	24	24
216	72	48	22	23	23	24	23
217	73	8	18	25	25	24	25
218	73	29	20	25	25	24	24
219	73	50	21	24	24	25	25
220	74	10	21	25	25	25	25
221	74	31	19	26	24	25	24
222	74	51	19	25	24	25	25
223	75	12	22	25	25	24	25
224	75	32	21	25	26	25	25
225	75	52	21	25	26	25	25
226	76	13	21	25	26	25	26
227	76	33	19	26	25	26	25
228	76	53	18	24	25	25	25
229	77	14	18	25	25	25	25
230	77	34	22	25	25	26	25
231	77	54	21	25	25	25	24
232	78	15	18	24	25	24	25
233	78	35	22	25	25	26	26
234	78	55	24	26	26	27	26
235	79	16	22	25	25	25	25
236	79	36	22	26	26	25	25
237	79	56	22	26	25	26	25
238	*	*	*	*	*	*	*

-06 TER NUM BER EMP OUT S.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
23	23	22	22	24	24	24	24	24
24	23	23	23	23	24	24	23	23
23	24	23	23	23	25	24	24	23
23	24	23	24	24	25	24	24	24
23	24	23	24	23	24	24	23	24
23	24	24	24	23	25	25	25	23
22	24	24	23	23	25	25	25	24
24	24	23	24	23	25	25	24	24
24	24	23	24	23	24	25	23	25
23	24	24	23	22	24	24	25	23
25	24	23	24	24	25	24	24	23
22	25	23	24	23	25	25	23	24
23	24	24	23	24	25	24	23	25
25	24	23	23	23	25	24	25	24
22	24	24	23	22	25	24	23	23
24	25	24	23	22	24	24	24	23
[illegible]	24	24	24	24	25	24	24	24
23	23	25	24	24	24	24	25	24
25	24	24	23	23	24	25	24	23
25	25	24	24	23	24	24	24	24
23	23	24	23	24	25	25	26	25
25	25	24	25	22	25	24	24	25
25	25	24	24	24	25	25	22	25
24	24	25	25	24	24	25	25	24
25	25	25	25	25	25	25	25	24
26	24	25	24	24	25	25	24	24
25	24	25	25	24	25	25	25	24
25	25	24	25	24	25	26	23	25
25	26	25	25	24	25	25	25	24
25	26	25	25	23	25	25	25	23
25	26	25	26	24	25	25	25	24
26	25	26	25	24	24	25	25	24
24	25	25	25	23	25	25	24	25
[illegible]	25	25	25	24	26	25	24	24
[illegible]	25	26	25	23	25	25	25	24
25	25	25	24	24	24	25	25	24
24	25	24	25	24	26	25	24	25
25	25	26	26	24	27	26	26	25
26	26	27	26	23	25	26	25	25
25	25	25	25	24	25	26	25	25
26	26	25	25	24	26	27	25	24
26	25	26	25	24	26	26	24	24
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
1	0	0	17	17	19	17	17
2	0	20	17	17	19	17	18
3	0	40	17	17	19	18	17
4	1	9	17	18	18	18	17
5	1	29	17	17	18	17	17
6	1	49	17	17	19	18	18
7	2	9	18	17	19	18	18
8	2	30	17	17	19	18	18
9	2	50	18	18	20	18	18
10	3	10	18	18	20	18	17
11	3	30	18	18	19	18	18
12	3	51	18	19	19	18	18
13	4	11	18	17	19	18	18
14	4	31	18	18	20	18	17
15	4	51	18	18	20	18	17
16	5	12	17	19	19	18	18
17	5	32	18	18	20	18	18
18	5	52	17	18	20	18	18
19	6	13	18	19	19	18	18
20	6	33	17	18	19	18	18
21	6	53	18	18	19	18	18
22	7	13	18	19	19	18	18
23	7	34	17	17	19	18	17
24	7	54	18	17	19	18	18
25	8	14	18	19	20	18	18
26	8	35	17	19	20	18	17
27	8	55	18	19	20	18	17
28	9	15	17	19	20	18	17
29	9	35	18	18	20	19	19
30	9	56	17	19	20	18	17
31	10	16	17	19	20	18	19
32	10	36	18	18	20	18	18
33	10	57	18	19	21	18	19
34	11	17	18	19	20	18	18
35	11	37	17	19	20	18	17
36	11	58	18	18	21	18	18
37	12	18	17	21	21	18	18
38	12	38	18	19	20	18	19
39	12	58	18	19	21	18	18
40	13	19	18	19	21	18	18
41	13	39	17	19	21	18	18
42	13	59	17	20	20	18	18
43	14	20	18	18	21	18	18
44	14	40	18	18	20	19	18
45	15	0	18	19	21	18	19

NH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

3-16	3-17	3-18	3-19	3-20	3-21	3-22	3-23	3-24
TS	CO-PLT	CO-PLT	CO-PLT	CO-PLT	CARGO	CARGO	CARGO	CARGO
OR	HEAD	WAIST	FOOT	FLOOR	AREA	AREA	AREA	AREA
ASS	LEVEL	LEVEL	LEVEL	MASS	FWD	FWD	FWD	FWD
AIR	AIR	AIR	AIR	TEMP	HEAD	WAIST	FOOT	FLOOR
EMP	TEMP	TEMP	TEMP		LEVEL	LEVEL	LEVEL	MASS
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
17	19	17	17	17	18	16	15	15
17	19	17	18	18	17	16	16	15
17	19	18	17	18	18	16	16	16
	18	18	17	18	18	17	16	16
17	18	17	17	18	18	16	15	16
17	19	18	18	17	18	16	15	16
17	19	18	18	18	18	17	16	16
17	19	18	18	18	18	16	16	16
18	20	18	18	18	18	17	17	16
18	20	18	17	18	18	17	16	15
18	19	18	18	19	18	17	17	17
19	19	18	18	19	18	17	17	17
17	19	18	18	18	18	17	16	17
18	20	18	17	19	18	16	16	17
19	20	18	17	18	19	17	17	17
19	19	18	18	19	18	16	16	17
18	20	18	18	17	19	17	16	17
18	20	18	18	19	18	16	16	16
19	19	18	18	18	19	17	16	17
18	19	18	18	18	19	16	16	17
18	19	18	18	18	19	17	16	17
19	19	18	18	18	19	17	16	17
17	19	18	17	19	19	17	17	16
17	19	18	18	19	19	17	16	16
19	20	18	18	19	19	17	15	17
19	20	18	17	18	19	17	16	17
19	20	18	17	18	19	17	16	17
19	20	18	17	18	19	17	17	16
18	20	19	19	19	19	17	17	17
19	20	18	17	18	19	17	17	16
19	20	18	19	18	19	17	17	17
18	20	18	18	19	19	17	17	17
19	21	18	19	18	19	18	17	17
19	20	18	18	18	19	17	16	17
19	20	18	17	18	19	17	16	16
18	21	18	18	18	19	17	17	16
21	21	18	18	18	19	18	16	17
19	20	18	19	18	20	17	17	17
19	21	18	18	18	19	18	17	17
19	21	18	18	18	19	17	17	16
19	21	18	18	17	20	18	17	17
19	20	18	18	18	20	18	16	17
18	21	18	18	18	20	17	17	16
18	20	19	18	19	20	18	16	17
19	21	18	18	19	21	18	17	17

2

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-1 CO-PL FOO LEVE AI TEM DEG.
46	15	21	18	21	21	19	18
47	15	41	18	21	21	18	19
48	16	1	18	18	21	19	18
49	16	22	18	19	21	19	18
50	16	42	18	21	20	19	18
51	17	2	18	18	21	19	18
52	17	22	1.	21	21	19	18
53	17	43	19	21	21	19	19
54	18	3	18	18	21	18	18
55	18	23	18	20	22	19	18
56	18	44	18	19	21	19	19
57	19	4	18	20	21	19	18
58	19	24	18	19	21	19	18
59	19	45	18	21	22	19	18
60	20	5	18	18	21	18	19
61	20	25	19	22	21	20	19
62	20	46	19	19	21	19	20
63	21	6	19	22	21	20	19
64	21	26	20	19	21	20	20
65	21	46	18	19	21	19	20
66	22	7	19	21	21	21	19
67	22	27	20	22	21	21	19
68	22	47	19	21	21	22	19
69	23	8	20	22	21	21	20
70	23	28	20	19	21	20	21
71	23	48	19	22	22	21	22
72	24	9	21	22	21	21	22
73	24	29	19	21	21	20	22
74	24	49	21	21	21	21	21
75	25	10	20	20	21	22	20
76	25	30	21	21	22	21	20
77	25	50	21	22	22	22	21
78	26	11	19	21	22	21	19
79	26	31	20	22	22	21	21
80	26	51	21	22	22	22	21
81	27	12	20	23	22	22	20
82	27	32	20	21	22	21	20
83	27	52	20	22	22	21	22
84	28	13	19	22	21	22	20
85	28	33	21	22	21	22	22
86	28	53	21	22	22	22	22
87	29	14	21	23	22	22	22
88	29	34	22	21	23	22	22
89	29	54	22	22	22	22	22
90	30	15	22	21	21	22	22
91	30	35	21	22	22	22	21
92	30	55	22	22	21	22	22
93	31	16	22	21	22	21	21
94	31	36	22	23	22	22	23
95	31	56	20	22	22	21	22

3-16	3-17	3-18	3-19	3-20	3-21	3-22	3-23	3-24
TS	CO-PLT	CO-PLT	CO-PLT	CO-PLT	CARGO	CARGO	CARGO	CARGO
OOR	HEAD	WAIST	FOOT	FLOOR	AREA	AREA	AREA	AREA
ASS	LEVEL	LEVEL	LEVEL	MASS	FWD	FWD	FWD	FWD
AIR	AIR	AIR	AIR	TEMP	HEAD	WAIST	FOOT	FLOOR
EMP	TEMP	TEMP	TEMP		LEVEL	LEVEL	LEVEL	MASS
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
21	21	19	18	19	21	18	16	17
21	21	18	19	18	21	18	16	17
18	21	19	18	19	21	17	17	17
19	21	19	18	18	21	18	17	17
21	20	19	18	18	21	18	17	17
18	21	19	18	18	21	17	17	16
21	21	19	18	19	21	18	17	17
21	21	19	19	19	22	18	17	17
18	21	18	18	19	21	18	17	17
20	22	19	18	19	22	18	17	17
19	21	19	19	19	21	17	17	17
20	21	19	18	18	21	18	17	17
19	21	19	18	18	22	17	17	16
21	22	19	18	19	21	17	17	17
18	21	18	19	19	22	14	17	17
22	21	20	19	18	22	29	17	18
19	21	19	20	18	23	27	17	18
22	21	20	19	19	21	31	18	17
19	21	20	20	20	24	14	17	17
19	21	19	20	19	21	9	18	18
21	21	21	19	18	20	30	18	17
22	21	21	19	19	23	29	18	19
21	21	22	19	20	19	29	18	17
22	21	21	20	19	22	33	18	17
19	21	20	21	20	23	12	18	18
22	22	21	22	19	21	24	18	18
22	21	21	22	19	23	33	18	18
21	21	20	22	20	21	20	18	18
21	21	21	21	19	21	7	18	18
20	21	22	20	21	23	14	18	17
21	22	21	20	21	23	22	18	17
22	22	22	21	20	21	17	18	18
21	22	21	19	19	21	31	18	18
22	22	21	21	19	23	29	18	18
22	22	22	21	19	22	31	19	17
23	22	22	20	21	24	14	18	18
21	22	21	20	19	24	29	18	18
22	22	21	22	19	22	31	18	17
22	21	22	20	20	24	28	19	19
22	21	22	22	20	24	25	19	18
22	22	22	22	20	21	29	19	18
23	22	22	22	20	22	24	19	18
21	23	22	22	21	23	25	19	19
22	22	22	22	21	22	22	19	19
21	21	22	22	22	21	16	19	19
22	22	22	21	22	22	17	19	19
22	21	22	22	22	24	28	19	19
21	22	21	21	21	20	25	19	18
23	22	22	23	21	23	25	19	19
22	22	21	22	21	21	28	19	19

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-1 CO-PL FOO LEVE AI TEM DEG.
96	32	17	22	19	21	21	22
97	32	37	21	22	21	22	22
98	32	57	20	23	22	22	21
99	33	18	21	21	21	22	21
100	33	38	21	23	22	22	22
101	33	58	21	20	21	21	22
102	34	19	21	21	21	22	23
103	34	39	22	22	21	22	24
104	34	59	21	24	22	22	22
105	35	20	22	22	22	22	22
106	35	40	21	22	22	23	21
107	36	0	22	25	22	22	21
108	36	21	20	22	22	22	22
109	36	41	21	21	22	21	21
110	37	1	23	24	22	20	22
111	37	22	21	20	22	22	22
112	37	42	21	24	22	21	24
113	38	2	23	23	22	22	23
114	38	23	21	23	21	19	22
115	38	43	23	23	21	22	22
116	39	3	20	23	22	22	22
117	39	24	21	21	22	22	21
118	39	44	22	21	22	22	23
119	40	4	22	20	22	21	22
120	40	25	21	22	22	21	21
121	40	45	22	22	22	22	22
122	41	5	23	22	22	22	22
123	41	26	22	22	21	22	22
124	41	46	22	21	22	22	22
125	42	6	23	25	22	22	25
126	42	27	22	22	22	22	23
127	42	47	21	22	22	21	21
128	43	7	23	21	21	21	20
129	43	28	22	22	22	23	21
130	43	48	23	24	23	22	21
131	44	8	22	23	23	23	24
132	44	29	21	21	22	21	24
133	44	49	23	21	22	22	23
134	45	9	22	22	22	21	21
135	45	30	22	22	22	22	22
136	45	50	22	25	21	21	21
137	46	10	22	25	22	22	22
138	46	31	23	26	24	23	22
139	46	51	22	22	22	22	23
140	47	11	22	23	22	22	22
141	47	32	22	23	22	22	24
142	47	52	22	24	22	22	24
143	48	12	22	23	22	22	22
144	48	33	22	24	22	23	21
145	48	53	22	25	23	22	22

3-16	3-17	3-18	3-19	3-20	3-21	3-22	3-23	3-24
LOTS	CO-PLT	CO-PLT	CO-PLT	CO-PLT	CARGO	CARGO	CARGO	CARGO
FLOOR	HEAD	WAIST	FOOT	FLOOR	AREA	AREA	AREA	AREA
MASS	LEVEL	LEVEL	LEVEL	MASS	FWD	FWD	FWD	FWD
AIR	AIR	AIR	AIR	TEMP	HEAD	WAIST	FOOT	FLOOR
TEMP	TEMP	TEMP	TEMP		LEVEL	LEVEL	LEVEL	MASS
C.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
19	21	21	22	21	22	16	19	18
22	21	22	22	21	20	29	20	18
23	22	22	21	22	22	25	19	19
21	21	22	21	21	19	14	19	18
23	22	22	22	21	20	16	19	18
20	21	21	22	21	21	21	19	18
21	21	22	23	21	23	25	19	18
22	21	22	24	22	22	9	19	19
24	22	22	22	23	23	25	19	18
22	22	22	22	21	22	39	19	18
22	22	23	21	20	20	29	19	19
25	22	22	21	21	22	28	19	19
22	22	22	22	21	20	18	19	19
21	22	21	21	21	21	21	19	18
24	22	20	22	22	22	21	19	19
20	22	22	22	21	21	33	19	18
24	22	21	24	21	22	14	19	19
23	22	22	23	23	22	28	19	20
23	21	19	22	22	19	9	19	19
23	21	22	22	22	22	36	19	18
23	22	22	22	23	22	29	19	19
21	22	22	21	23	19	29	19	19
21	22	22	23	21	19	31	19	19
20	22	21	22	22	22	25	19	19
22	22	21	21	22	22	26	19	19
22	22	22	22	22	21	16	19	19
22	22	22	22	22	22	25	19	20
22	21	22	22	21	22	36	19	18
24	22	22	22	21	22	16	19	20
25	22	22	25	22	23	16	19	20
22	22	22	23	22	21	31	18	19
22	22	21	21	22	22	29	19	19
21	21	21	20	22	22	24	19	19
22	22	23	21	21	24	16	20	19
24	23	22	21	21	23	31	19	20
23	23	23	24	25	21	14	20	19
21	22	21	24	22	20	16	19	19
21	22	22	23	22	22	24	19	19
22	22	21	21	22	23	31	19	19
23	22	22	22	23	23	18	19	19
25	21	21	21	22	22	16	20	19
25	22	22	22	22	22	29	19	19
25	24	23	22	23	23	29	19	19
22	22	22	23	23	24	14	19	18
23	22	22	22	24	22	9	19	19
23	22	22	24	21	20	33	19	20
24	22	22	24	21	20	33	19	19
23	22	22	22	23	23	11	19	19
24	22	23	21	23	20	29	20	19
25	23	22	22	22	20	16	20	21

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
146	49	13	22	22	22	24	22
147	49	34	22	24	22	21	22
148	49	54	22	23	22	23	22
149	50	14	24	24	22	23	23
150	50	35	22	21	22	21	22
151	50	55	21	23	23	21	22
152	51	15	24	24	23	22	22
153	51	36	22	24	22	22	23
154	51	56	23	21	23	23	24
155	52	16	22	23	23	22	24
156	52	37	23	22	23	22	23
157	52	57	22	24	22	24	24
158	53	17	21	23	24	22	22
159	53	38	22	24	22	24	24
160	53	58	22	25	22	24	25
161	54	18	22	24	23	24	22
162	54	39	22	21	23	23	25
163	54	59	23	24	24	23	23
164	55	19	24	23	24	23	23
165	55	40	24	25	24	22	22
166	56	0	23	23	23	22	25
167	56	20	23	24	24	23	25
168	56	41	24	23	24	24	26
169	57	1	23	26	24	24	26
170	57	21	24	26	25	24	24
171	57	42	24	25	25	23	23
172	58	2	22	26	24	25	25
173	58	22	25	25	25	24	23
174	58	42	24	25	25	24	23
175	59	3	22	25	25	25	27
176	59	23	23	22	24	24	24
177	59	44	25	24	23	22	22
178	60	4	24	21	23	23	25
179	60	24	24	22	23	24	24
180	60	45	24	23	23	23	26
181	61	6	24	24	24	22	25
182	61	26	24	24	23	23	22
183	61	46	23	26	24	23	25
184	62	7	23	23	24	24	24
185	62	28	24	22	24	25	24
186	62	43	22	27	24	24	23
187	63	3	25	29	24	22	25
188	63	24	24	25	24	24	22
189	63	44	23	24	24	23	23
190	64	4	22	26	24	22	25
191	64	25	23	22	23	24	25
192	64	45	24	25	24	22	24
193	65	5	22	26	24	24	23
194	65	26	22	26	23	24	22
195	65	46	24	23	24	24	23

3-16 OTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
22	22	24	22	22	23	36	19	21
24	22	21	22	22	20	14	19	21
23	22	23	22	21	20	16	19	20
24	22	23	23	22	20	14	20	20
21	22	21	22	21	20	29	19	19
23	23	21	22	24	22	14	19	19
24	23	22	22	22	24	29	19	21
24	22	22	23	24	22	29	19	19
21	23	23	24	22	24	16	19	19
23	23	22	24	22	21	31	19	19
22	23	22	23	22	22	12	19	20
24	22	24	24	22	24	24	20	19
23	24	22	22	23	24	14	19	19
24	22	24	24	22	22	36	20	18
25	22	24	25	22	22	24	19	20
24	23	24	22	23	24	28	19	19
21	23	23	25	22	23	29	20	20
24	24	23	23	23	26	36	20	19
23	24	23	23	23	25	12	20	19
25	24	22	22	22	26	21	21	20
23	23	22	25	22	22	31	20	21
24	24	23	25	23	27	31	20	21
23	24	24	26	23	23	29	21	21
26	24	24	26	23	23	36	20	21
26	25	24	24	24	26	14	21	21
25	25	23	23	21	25	36	21	21
26	24	25	25	22	26	22	21	20
25	25	24	23	24	25	16	20	21
25	25	24	23	22	25	15	21	21
25	25	25	27	23	22	36	21	21
22	24	24	24	23	25	15	21	19
24	25	22	22	24	25	12	21	19
21	23	23	25	24	23	31	21	20
22	23	24	24	24	25	38	21	22
23	23	23	26	25	23	33	22	22
24	24	22	25	24	22	11	21	21
24	23	23	22	25	25	14	21	22
26	24	23	25	23	23	11	21	21
23	24	24	24	24	25	24	22	21
22	24	25	24	23	25	14	21	22
27	24	24	23	25	22	29	22	21
25	24	22	25	25	22	29	21	21
25	24	24	22	24	22	29	22	22
24	24	23	23	25	22	36	21	20
26	24	22	25	24	23	27	21	20
22	23	24	25	24	24	27	21	21
25	24	22	24	23	23	36	21	21
26	24	24	23	23	21	31	21	21
26	23	24	22	24	22	29	21	21
23	24	24	23	23	24	14	21	22

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
196	66	6	23	27	23	23	24
197	66	27	25	25	23	22	25
198	66	47	24	24	23	25	22
199	67	7	24	25	24	22	24
200	67	28	25	24	22	22	24
201	67	48	22	24	24	25	25
202	68	8	23	22	23	23	25
203	68	24	23	26	24	25	25
204	68	44	25	22	23	25	23
205	69	4	22	23	24	24	23
206	69	25	23	23	23	25	25
207	69	45	23	24	23	22	25
208	70	5	24	23	22	24	24
209	70	26	23	23	23	23	25
210	70	46	23	26	24	22	25
211	71	6	25	26	24	23	22
212	71	27	23	25	24	23	23
213	71	47	22	22	24	25	26
214	72	7	23	24	24	24	25
215	72	28	25	24	24	24	24
216	72	48	25	24	22	22	22
217	73	8	25	27	25	25	23
218	73	29	23	23	24	24	24
219	73	50	25	25	24	24	23
220	74	10	24	25	23	25	24
221	74	31	26	22	24	23	25
222	74	51	25	24	24	22	26
223	75	12	24	24	25	26	22
224	75	32	24	25	24	22	25
225	75	52	25	24	24	23	26
226	76	13	24	25	24	23	25
227	76	33	24	25	23	23	25
228	76	53	24	24	24	23	26
229	77	14	24	26	24	25	24
230	77	34	24	23	24	23	23
231	77	54	24	26	24	24	24
232	78	15	23	25	24	23	25
233	78	35	23	25	25	24	25
234	78	55	23	24	25	24	24
235	79	16	24	24	24	24	25
236	79	36	24	24	25	24	24
237	79	56	24	24	25	24	25
238	*	*	*	*	*	*	*

3-16 FLOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
27	23	23	24	23	24	13	21	21
25	23	22	25	25	24	16	22	21
24	23	25	22	25	22	33	21	21
25	24	22	24	25	22	30	21	22
24	22	22	24	25	22	10	21	20
24	24	25	25	24	22	34	21	22
22	23	23	25	26	22	11	21	21
26	24	25	25	22	24	14	21	22
22	23	25	23	23	22	13	21	21
23	24	24	23	23	22	25	21	21
23	23	25	25	24	24	28	21	21
24	23	22	25	25	25	14	22	21
23	22	24	24	24	23	31	21	21
23	23	23	25	25	22	36	21	21
26	24	22	25	24	22	16	21	22
26	24	23	22	25	24	33	20	22
25	24	23	23	23	24	16	21	21
22	24	25	26	24	25	40	21	21
24	24	24	25	25	24	16	20	20
24	24	24	24	23	22	24	21	22
24	22	22	22	23	24	31	21	22
27	25	25	23	24	24	16	21	21
23	24	24	24	24	25	29	21	21
25	24	24	23	25	25	12	21	21
25	23	25	24	25	25	15	21	22
22	24	23	25	23	25	29	22	21
24	24	22	26	24	25	16	21	22
24	25	26	22	25	23	24	22	21
25	24	22	25	24	22	31	22	22
24	24	23	26	24	26	14	21	22
25	24	23	25	24	25	35	21	22
25	23	23	25	23	25	29	21	22
24	24	23	26	24	22	13	21	22
26	24	25	24	23	22	31	22	22
23	24	23	23	25	24	14	21	21
26	24	24	24	24	23	31	22	21
25	24	23	25	24	24	31	21	22
25	25	24	25	24	24	36	22	22
24	25	24	24	25	23	16	21	22
24	24	24	25	25	25	24	21	21
24	25	24	24	24	24	24	22	21
24	25	24	25	24	25	24	22	21
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
1	0	8	17	17	17	17
2	0	28	17	17	17	17
3	0	48	17	17	16	17
4	1	9	17	17	16	17
5	1	29	17	17	16	17
6	1	49	18	17	17	17
7	2	9	18	17	17	17
8	2	30	18	17	17	17
9	2	50	18	18	17	18
10	3	10	18	18	17	18
11	3	30	18	18	18	18
12	3	51	18	16	18	18
13	4	11	18	18	17	17
14	4	31	18	17	17	18
15	4	51	18	17	17	18
16	5	12	18	17	17	17
17	5	32	18	17	17	17
18	5	52	17	17	17	16
19	6	13	18	17	17	17
20	6	33	17	17	16	18
21	6	53	18	17	17	17
22	7	13	18	17	17	16
23	7	34	18	17	17	17
24	7	54	18	17	17	16
25	8	14	18	17	17	18
26	8	35	18	17	17	17
27	8	55	18	18	17	17
28	9	15	18	18	17	17
29	9	35	18	18	17	18
30	9	56	18	17	17	18
31	10	16	18	18	17	18
32	10	36	18	18	18	18
33	10	57	18	18	17	17
34	11	17	18	17	17	17
35	11	37	18	17	17	17
36	11	58	18	17	17	17
37	12	18	18	18	17	18
38	12	38	18	18	17	18
39	12	58	18	18	17	17
40	13	19	18	17	17	17
41	13	39	18	18	17	17
42	13	59	18	18	17	18
43	14	20	18	17	17	17
44	14	40	18	18	17	17
45	15	0	18	18	17	18

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
46	15	21	18	18	17	18
47	15	41	18	18	17	17
48	16	1	18	18	17	17
49	16	22	18	18	17	18
50	16	42	18	18	17	17
51	17	2	19	18	18	17
52	17	22	19	18	17	17
53	17	43	19	18	17	18
54	18	3	18	18	17	17
55	18	23	19	18	17	18
56	18	44	19	18	17	17
57	19	4	19	18	17	18
58	19	24	19	18	18	17
59	19	45	19	18	17	17
60	20	5	18	18	17	17
61	20	25	19	18	18	18
62	20	46	19	19	18	18
63	21	6	19	19	18	17
64	21	26	19	19	18	16
65	21	46	19	19	18	17
66	22	7	20	19	19	18
67	22	27	19	19	19	17
68	22	47	20	19	19	18
69	23	8	20	19	19	18
70	23	28	20	21	19	17
71	23	48	20	20	19	18
72	24	9	21	20	19	18
73	24	29	20	20	20	18
74	24	49	20	19	19	18
75	25	10	21	20	19	18
76	25	30	20	20	19	19
77	25	50	21	20	20	18
78	26	11	21	20	20	18
79	26	31	20	21	19	18
80	26	51	21	20	20	18
81	27	12	21	20	20	18
82	27	32	20	21	20	18
83	27	52	20	20	20	17
84	28	13	21	20	20	18
85	28	33	21	20	20	18
86	28	53	21	21	20	18
87	29	14	22	21	20	18
88	29	34	21	21	20	19
89	29	54	21	22	20	18
90	30	15	22	21	21	19
91	30	35	21	21	20	19
92	30	55	21	21	21	19
93	31	16	21	21	21	19
94	31	36	21	21	20	19
95	31	56	21	21	21	19

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
96	32	17	21	21	20	18
97	32	37	21	21	20	19
98	32	57	21	21	21	19
99	33	18	22	21	20	19
100	33	38	21	21	21	18
101	33	58	21	21	20	18
102	34	19	21	21	20	19
103	34	39	20	21	21	19
104	34	59	22	21	21	19
105	35	20	22	21	21	19
106	35	40	21	22	21	21
107	36	0	21	21	21	18
108	36	21	22	21	21	19
109	36	41	21	21	21	19
110	37	1	22	22	22	19
111	37	22	22	22	21	19
112	37	42	22	22	21	20
113	38	2	21	22	21	19
114	38	23	21	21	21	20
115	38	43	22	22	21	19
116	39	3	21	22	21	20
117	39	24	22	21	21	19
118	39	44	21	22	22	19
119	40	4	21	21	21	20
120	40	25	22	22	21	19
121	40	45	21	22	22	20
122	41	5	21	22	21	19
123	41	26	22	22	21	20
124	41	46	22	22	22	20
125	42	6	22	22	22	20
126	42	27	22	22	22	21
127	42	47	22	22	22	21
128	43	7	22	22	21	21
129	43	28	22	22	22	20
130	43	48	22	22	22	19
131	44	8	23	22	22	20
132	44	29	22	22	22	21
133	44	49	22	23	22	20
134	45	9	22	23	22	20
135	45	30	22	22	22	19
136	45	50	22	22	22	21
137	46	10	22	22	22	21
138	46	31	23	22	22	21
139	46	51	22	22	22	21
140	47	11	23	22	22	21
141	47	32	22	22	22	20
142	47	52	22	23	22	21
143	48	12	24	23	22	22
144	48	33	23	24	22	21
145	48	53	23	23	22	21

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
146	49	13	23	23	22	21
147	49	34	22	23	22	22
148	49	54	23	24	23	22
149	50	14	23	24	22	21
150	50	35	24	23	22	20
151	50	55	22	23	22	21
152	51	15	22	24	23	21
153	51	36	22	23	22	21
154	51	56	23	23	22	20
155	52	16	24	23	22	21
156	52	37	23	23	22	21
157	52	57	23	23	22	21
158	53	17	24	24	23	21
159	53	38	23	24	24	20
160	53	58	24	24	24	21
161	54	18	24	24	24	21
162	54	39	25	25	24	22
163	54	59	25	25	24	22
164	55	19	25	25	24	21
165	55	40	25	25	24	21
166	56	0	25	25	24	22
167	56	20	25	25	25	22
168	56	41	25	25	24	21
169	57	1	25	25	24	22
170	57	21	26	25	25	21
171	57	42	25	25	24	21
172	58	2	25	25	24	22
173	58	22	25	24	23	21
174	58	42	25	24	24	22
175	59	3	25	24	24	22
176	59	23	25	24	24	22
177	59	44	25	24	24	22
178	60	4	25	24	24	22
179	60	24	24	24	24	22
180	60	45	25	25	25	22
181	61	6	25	25	24	23
182	61	26	25	25	24	22
183	61	46	25	25	25	23
184	62	7	25	24	24	22
185	62	28	25	25	25	22
186	62	43	25	25	25	22
187	63	3	25	25	24	22
188	63	24	25	24	24	22
189	63	44	24	25	24	22
190	64	4	24	24	24	22
191	64	25	24	24	24	22
192	64	45	24	24	24	22
193	65	5	24	24	24	22
194	65	26	24	24	24	22
195	65	46	24	24	24	22

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
196	66	6	24	24	23	22
197	66	27	24	24	24	22
198	66	47	24	24	23	22
199	67	7	24	24	23	22
200	67	28	24	24	24	22
201	67	48	24	24	24	22
202	68	8	24	24	24	22
203	68	28	24	24	24	22
204	68	44	24	25	24	22
205	69	4	24	24	23	21
206	69	25	24	24	24	22
207	69	46	24	24	23	23
208	70	5	24	24	24	22
209	70	26	23	24	23	22
210	70	46	24	24	23	22
211	71	6	24	24	23	21
212	71	27	24	24	24	22
213	71	47	24	24	24	23
214	72	7	24	24	23	22
215	72	28	24	24	23	22
216	72	48	24	24	23	22
217	73	8	24	24	24	22
218	73	29	24	24	23	22
219	73	50	24	24	24	22
220	74	10	24	24	24	22
221	74	31	25	24	24	22
222	74	51	24	25	24	22
223	75	12	25	25	24	22
224	75	32	25	25	24	22
225	75	52	25	25	24	23
226	76	13	24	24	24	22
227	76	33	24	24	24	22
228	76	53	24	24	24	22
229	77	14	24	24	24	22
230	77	34	24	24	24	22
231	77	54	24	24	24	22
232	78	15	25	24	24	22
233	78	35	25	24	25	22
234	78	55	26	25	24	24
235	79	16	25	25	25	22
236	79	36	25	25	24	22
237	79	56	25	25	24	22
238	*	*	*	*	*	*

HH-53C S/N 68-10354
CLINATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
1	0	10	18	19	19	18	18
2	0	30	18	18	19	18	18
3	0	51	18	19	19	19	18
4	1	11	18	19	19	18	18
5	1	31	18	19	19	18	18
6	1	51	18	19	19	19	19
7	2	12	18	19	19	19	19
8	2	32	19	19	20	18	19
9	2	52	19	19	19	19	19
10	3	12	19	19	19	18	17
11	3	33	20	19	20	20	18
12	3	53	18	19	21	19	18
13	4	13	18	18	19	18	17
14	4	34	19	19	19	18	17
15	4	54	19	18	19	19	18
16	5	14	18	19	18	19	17
17	5	34	19	18	19	20	18
18	5	55	18	19	21	19	18
19	6	15	19	18	18	19	18
20	6	35	19	18	19	18	17
21	6	55	18	20	21	19	17
22	7	16	18	19	20	19	18
23	7	36	18	20	21	19	17
24	7	56	18	20	21	19	18
25	8	17	19	19	19	19	18
26	8	37	18	19	22	18	18
27	8	57	18	20	22	19	18
28	9	17	18	19	21	19	18
29	9	38	20	19	18	19	18
30	9	58	19	19	22	19	18
31	10	18	19	18	18	19	19
32	10	39	19	19	19	21	18
33	10	59	19	19	19	18	19
34	11	19	19	19	19	19	18
35	11	40	18	20	21	20	19
36	12	0	19	19	18	18	19
37	12	20	19	19	21	19	19
38	12	40	19	19	18	19	19
39	13	1	19	20	21	19	20
40	13	21	19	20	21	19	20
41	13	41	18	20	22	19	20
42	14	2	19	19	21	19	20
43	14	22	19	20	19	20	20
44	14	42	19	19	19	20	21
45	15	3	19	20	21	19	21

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

4-06 PLT SHD IDE PER R H .C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
19	19	18	18	17	18	18	18	16
18	19	18	18	17	18	17	18	17
19	19	19	18	17	18	18	18	17
19	19	18	18	17	18	18	18	16
19	19	18	18	17	18	17	18	16
19	19	19	19	17	18	18	18	17
19	19	19	19	17	18	17	18	17
19	20	18	19	18	18	18	18	17
19	19	19	19	17	18	17	18	17
19	19	18	17	18	19	19	22	17
19	20	20	18	18	19	22	28	17
19	21	19	18	17	18	25	32	18
18	19	18	17	18	18	28	35	18
19	19	18	17	18	19	30	36	17
18	19	19	18	17	18	33	39	18
19	18	19	17	18	19	35	41	17
18	19	20	18	18	18	37	44	16
19	21	19	18	17	19	39	46	17
18	18	19	18	18	19	39	48	18
18	18	18	17	17	18	41	48	17
20	21	19	17	17	19	44	50	17
19	20	19	18	17	19	45	51	17
20	21	19	17	18	19	46	53	18
20	21	19	18	18	19	47	55	18
19	19	19	18	19	19	49	56	18
19	22	18	18	19	19	50	58	19
20	22	19	18	18	19	51	59	19
19	21	19	18	18	19	53	60	18
19	18	19	18	19	21	53	61	19
19	22	19	18	19	19	55	63	18
18	18	19	19	19	21	56	64	19
19	19	21	18	18	20	57	64	19
19	19	18	19	19	20	58	65	19
19	19	19	18	18	20	59	66	20
20	21	20	19	18	20	59	66	20
19	19	18	19	19	21	60	69	21
19	21	19	19	20	21	61	69	20
19	18	19	19	19	21	62	70	21
20	21	19	20	19	22	64	71	20
20	21	19	20	19	22	64	71	21
20	22	19	20	19	22	64	72	21
19	21	19	20	20	22	65	73	22
20	19	20	20	20	21	66	73	22
19	19	20	21	20	22	66	73	22
20	21	19	2*	22	22	67	76	22

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
46	15	23	18	19	19	19	21
47	15	43	19	19	20	19	21
48	16	4	19	19	18	20	21
49	16	24	19	20	22	19	22
50	16	44	20	19	19	19	22
51	17	4	20	19	19	20	22
52	17	25	20	20	22	21	22
53	17	45	20	19	19	19	23
54	18	5	19	20	21	21	23
55	18	26	18	21	22	20	23
56	18	46	19	20	19	20	22
57	19	6	20	19	19	20	24
58	19	27	19	19	19	20	24
59	19	47	19	20	19	22	25
60	20	7	19	20	18	20	24
61	20	28	22	20	19	20	24
62	20	48	19	21	22	21	24
63	21	8	21	20	19	20	24
64	21	28	19	21	19	21	24
65	21	49	19	21	22	20	25
66	22	9	21	20	21	19	25
67	22	29	19	21	20	21	24
68	22	50	22	20	22	19	25
69	23	10	21	20	19	20	26
70	23	30	20	21	21	21	26
71	23	51	22	20	19	21	26
72	24	11	21	21	19	20	27
73	24	31	21	20	19	20	26
74	24	52	21	21	22	20	27
75	25	12	21	21	21	21	27
76	25	32	21	21	22	20	25
77	25	53	21	21	19	20	28
78	26	13	21	22	20	20	31
79	25	33	21	22	23	21	32
80	26	54	20	22	22	21	35
81	27	14	20	21	22	20	37
82	27	34	20	21	23	20	37
83	27	55	21	22	22	22	39
84	28	15	21	21	21	20	41
85	28	35	20	22	22	21	44
86	28	55	21	22	22	21	44
87	29	16	22	22	23	21	48
88	29	36	21	21	19	21	45
89	29	57	22	22	22	20	48
90	30	17	22	21	21	22	48
91	30	37	22	21	19	21	48
92	30	58	21	22	22	21	51
93	31	18	22	21	19	22	53
94	31	38	22	22	19	21	53
95	31	59	22	21	20	22	54

-06 -PLT OSHD SIDE PPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
19	19	19	21	21	22	68	76	22
19	20	19	21	22	22	69	77	23
19	18	20	21	21	23	70	77	23
20	22	19	22	22	23	70	78	23
19	19	19	22	22	23	68	79	25
19	19	20	22	22	24	66	77	42
20	22	21	22	22	24	67	76	49
19	19	19	23	23	24	66	75	52
20	21	21	23	22	23	66	75	57
21	22	20	23	23	24	67	75	61
20	19	20	22	23	24	68	75	64
19	19	20	24	24	24	68	76	66
19	19	20	24	24	25	68	76	69
20	19	22	25	23	25	69	75	70
20	18	20	24	24	24	69	76	71
20	19	20	24	24	25	70	77	72
21	22	21	24	24	25	70	77	74
20	19	20	24	24	25	70	78	75
21	19	21	24	24	26	71	79	76
21	22	20	25	24	25	71	78	77
20	21	19	25	26	25	72	81	77
21	20	21	24	25	26	73	79	79
20	22	19	25	25	26	73	81	80
20	19	20	26	25	26	74	81	80
21	21	21	26	26	27	75	82	80
20	19	21	26	27	26	76	82	82
21	19	20	27	26	27	75	82	82
20	19	20	26	27	27	77	83	83
21	22	20	27	26	27	77	84	84
21	21	21	27	25	28	78	85	85
21	22	20	25	27	27	78	85	85
21	19	20	28	29	27	79	86	86
22	20	20	31	34	29	79	83	83
22	23	21	32	34	28	79	86	85
22	22	21	35	36	27	78	85	86
21	22	20	37	39	28	79	85	86
21	23	20	37	40	27	79	85	86
22	22	22	39	44	27	79	84	87
21	21	20	41	48	27	78	83	85
22	22	21	44	51	26	77	81	84
22	22	21	44	54	26	78	81	84
22	23	21	46	56	27	75	79	83
21	19	21	45	58	27	75	78	82
22	22	20	48	59	27	74	78	81
21	21	22	48	60	28	74	78	81
21	19	21	48	62	28	73	77	80
22	22	21	51	62	29	73	76	80
21	19	22	53	63	31	72	76	78
22	19	21	53	64	31	72	76	79
21	20	22	54	65	31	72	76	78

-01 SHEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
96	32	19	22	20	20	22	55
97	32	39	21	22	19	21	56
98	33	0	21	22	20	21	55
99	33	20	22	22	19	21	55
100	33	40	21	21	21	21	56
101	34	1	21	20	21	20	56
102	34	21	21	21	21	21	57
103	34	41	22	21	20	21	58
104	35	2	22	21	22	19	59
105	35	22	21	21	20	21	59
106	35	42	22	21	22	23	58
107	36	3	21	21	18	21	59
108	36	23	22	21	22	20	59
109	36	43	23	22	22	20	61
110	37	4	21	22	20	21	60
111	37	24	22	21	23	22	60
112	37	44	22	20	21	19	60
113	38	5	22	21	22	21	62
114	38	25	21	21	22	19	60
115	38	45	21	21	22	20	63
116	39	6	20	20	19	20	64
117	39	26	22	21	19	20	62
118	39	46	22	20	21	21	63
119	40	7	22	21	21	19	62
120	40	27	22	21	19	20	61
121	40	47	21	21	22	22	62
122	41	8	21	21	23	21	62
123	41	28	22	21	21	21	62
124	41	48	21	22	21	22	62
125	42	9	22	22	20	22	64
126	42	29	22	21	19	20	63
127	42	49	22	21	21	21	62
128	43	10	22	22	21	22	63
129	43	30	22	21	19	19	63
130	43	50	22	22	23	22	64
131	44	11	23	21	22	22	63
132	44	31	22	21	20	21	62
133	44	51	22	21	21	20	62
134	45	12	23	22	21	21	63
135	45	32	22	22	23	21	64
136	45	52	22	21	22	21	66
137	46	13	22	22	20	21	63
138	46	33	21	22	19	21	64
139	46	53	22	21	22	21	64
140	47	14	22	22	20	21	64
141	47	34	22	22	22	22	64
142	47	54	22	21	22	20	65
143	48	15	22	21	19	20	64
144	48	35	23	21	22	21	64
145	48	55	22	22	19	21	64

4-06 PLT DSHD SIDE PPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
20	20	22	55	66	33	72	75	77
22	19	21	56	66	33	72	75	77
22	20	21	55	67	33	72	75	78
22	19	21	55	68	35	72	75	77
21	21	21	56	68	34	72	75	78
20	21	20	56	67	35	72	75	79
21	21	21	57	68	35	73	76	74
21	20	21	58	69	35	72	75	76
21	22	19	59	70	36	71	75	76
21	20	21	59	70	36	72	75	76
21	22	23	58	70	37	73	75	78
21	18	21	59	70	38	72	75	77
21	22	20	59	71	38	72	75	78
22	22	20	61	71	39	72	75	75
22	20	21	60	72	39	73	76	77
21	23	22	60	72	39	73	76	78
20	21	19	60	73	40	73	77	77
21	22	21	62	72	40	73	76	78
21	22	19	60	73	41	72	76	79
21	22	20	63	73	41	74	76	78
20	19	20	64	73	41	73	76	78
21	19	20	62	73	42	75	76	78
20	21	21	63	74	41	73	76	79
21	21	19	62	74	41	74	76	78
21	19	20	61	75	41	74	77	80
21	22	22	62	75	41	74	78	79
21	23	21	62	75	42	75	78	79
21	21	21	62	75	42	75	77	79
22	21	22	62	75	42	75	78	79
22	20	22	64	76	44	75	77	79
21	19	20	63	75	42	75	78	79
21	21	21	62	75	43	75	78	79
22	21	22	63	76	42	75	78	81
21	19	19	63	76	42	76	78	78
22	23	22	64	76	44	74	78	79
21	22	22	63	76	43	75	78	80
21	20	21	62	76	43	75	78	81
21	21	20	62	75	43	75	78	81
22	21	21	63	76	43	76	78	81
22	23	21	64	77	44	75	78	81
21	22	21	66	76	43	76	78	81
22	20	21	63	76	45	76	79	80
22	19	21	64	76	45	75	79	81
21	22	21	64	77	45	76	80	81
22	20	21	64	76	44	77	79	81
22	22	22	64	77	44	76	78	82
21	22	20	65	77	44	76	79	82
21	19	20	64	76	44	76	79	82
21	22	21	64	78	44	76	79	81
22	19	21	64	77	44	77	79	82

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
146	49	16	22	21	22	21	64
147	49	36	22	22	23	22	64
148	49	56	22	22	20	20	64
149	50	17	22	21	22	21	63
150	50	37	22	22	23	22	62
151	50	57	22	22	19	20	61
152	51	18	22	21	21	22	61
153	51	38	22	22	23	21	61
154	51	58	22	22	24	20	62
155	52	19	22	22	24	21	59
156	52	39	22	22	23	21	61
157	52	59	24	22	21	22	62
158	53	20	22	22	22	22	59
159	53	40	23	23	22	21	59
160	54	0	24	22	22	22	59
161	54	21	24	22	22	22	59
162	54	41	24	24	22	22	59
163	55	1	24	24	24	22	60
164	55	22	24	22	22	22	59
165	55	42	24	23	24	22	60
166	56	2	24	23	23	22	59
167	56	23	23	23	21	22	62
168	56	43	24	23	23	23	60
169	57	3	24	25	22	22	59
170	57	24	23	24	22	23	60
171	57	44	24	23	24	22	60
172	58	4	24	23	22	23	59
173	58	24	24	23	24	22	61
174	58	45	24	24	22	23	61
175	59	5	24	23	23	22	62
176	59	26	24	23	23	22	62
177	59	46	24	24	25	24	62
178	60	6	25	24	25	23	63
179	60	27	23	24	22	24	65
180	60	48	24	23	25	25	65
181	61	8	24	23	22	23	65
182	61	28	24	23	24	23	65
183	61	49	24	24	23	23	64
184	62	9	24	24	23	22	67
185	62	30	23	24	23	23	65
186	62	45	24	23	22	24	65
187	63	6	23	23	22	22	65
188	63	26	23	23	24	23	65
189	63	46	22	22	25	24	65
190	64	7	23	24	22	22	65
191	64	27	23	23	22	22	66
192	64	47	24	24	24	23	65
193	65	8	23	23	24	22	64
194	65	28	23	24	23	23	64
195	65	48	23	23	24	22	63

4-06 PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
21	22	21	64	79	44	76	79	81
22	23	22	64	77	44	77	79	82
22	20	20	64	78	44	77	79	80
21	22	21	63	76	44	75	78	81
22	23	22	62	76	42	76	78	81
22	19	20	61	75	41	76	78	82
21	21	22	61	73	40	76	78	82
22	23	21	61	73	39	76	78	81
22	24	20	62	73	39	75	78	82
22	24	21	59	73	38	76	78	82
22	23	21	61	74	36	77	79	82
22	21	22	62	72	38	76	78	82
22	22	22	59	73	37	77	78	83
23	22	21	59	72	36	76	79	82
22	22	22	59	72	37	76	78	82
22	22	22	59	73	38	76	79	83
24	22	22	59	72	39	76	79	83
24	24	22	60	73	39	78	79	83
22	22	22	59	72	38	78	79	84
23	24	22	60	72	38	78	79	84
23	23	22	59	74	38	78	80	84
23	21	22	62	73	39	78	80	85
23	23	23	60	72	38	79	79	85
25	22	22	59	72	39	79	80	85
24	22	23	60	73	40	79	79	85
23	24	22	60	72	39	77	81	84
23	22	23	59	73	38	78	79	84
23	24	22	61	72	39	78	80	83
24	22	23	61	74	39	78	81	85
23	23	22	62	74	39	79	82	85
23	23	22	62	75	40	79	81	84
24	25	24	62	75	41	79	81	85
24	25	23	63	76	41	79	81	84
24	22	24	65	76	42	79	81	85
23	25	25	65	77	43	79	82	86
23	22	23	65	77	43	79	82	86
23	24	23	65	77	43	79	82	86
24	23	23	64	78	44	80	82	85
24	23	22	67	78	44	80	83	86
24	23	23	65	77	44	79	83	85
23	22	24	65	78	44	80	83	85
23	22	22	65	79	44	80	83	86
23	24	23	65	78	44	80	82	86
22	25	24	65	78	44	81	83	86
24	22	22	65	79	44	80	82	86
23	22	22	66	78	44	80	83	86
24	24	23	65	79	45	80	85	86
23	24	22	64	78	45	79	82	85
24	23	23	64	77	44	79	82	85
23	24	22	63	76	43	80	81	86

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
196	66	9	24	23	24	22	63
197	66	29	23	22	25	22	62
198	66	49	22	23	21	23	61
199	67	10	24	24	22	22	61
200	67	30	23	22	21	23	61
201	67	50	24	23	21	22	60
202	68	11	23	22	22	22	59
203	68	26	24	23	21	22	59
204	68	46	23	22	22	23	59
205	69	7	24	24	22	22	59
206	69	27	24	23	23	22	59
207	69	47	24	22	23	22	59
208	70	8	24	23	22	22	58
209	70	28	22	22	22	21	58
210	70	48	23	22	24	23	58
211	71	9	24	23	23	22	58
212	71	29	22	22	22	22	58
213	71	49	23	22	22	22	57
214	72	10	24	22	22	22	57
215	72	30	23	22	25	23	57
216	72	50	23	23	25	22	57
217	73	11	23	22	24	22	58
218	73	32	24	24	25	23	57
219	73	52	25	24	23	23	58
220	74	12	25	23	25	23	56
221	74	33	26	23	22	24	57
222	74	54	23	24	24	22	56
223	75	14	24	23	24	22	58
224	75	34	23	24	24	23	58
225	75	55	24	23	22	20	58
226	76	15	22	24	24	24	58
227	76	35	22	24	24	24	59
228	76	56	24	22	22	22	60
229	77	16	23	24	25	23	60
230	77	36	23	24	25	23	61
231	77	57	23	24	25	22	61
232	78	17	24	22	22	22	61
233	78	37	25	23	23	22	61
234	78	58	25	23	25	23	63
235	79	18	24	24	23	23	62
236	79	38	24	23	23	23	61
237	79	59	24	23	23	23	60
238	*	*	*	*	*	*	*

4-06 PLT WSHD SIDE PER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
23	24	22	63	77	42	81	81	86
22	25	22	62	75	40	80	81	86
23	21	23	61	74	40	79	81	86
24	22	22	61	74	39	80	81	85
22	21	23	61	73	40	80	81	86
23	21	22	60	74	39	79	81	86
22	22	22	59	73	38	80	81	85
23	21	22	59	73	39	80	81	87
22	22	23	59	73	38	80	81	86
24	22	22	59	71	37	81	81	86
23	23	22	59	72	37	81	82	85
22	23	22	59	71	36	80	81	86
23	22	22	58	72	36	80	81	86
22	22	21	58	71	36	79	80	86
22	24	23	58	71	36	79	81	86
23	23	22	58	71	36	79	81	86
22	22	22	58	70	36	80	82	86
22	22	22	57	71	36	80	81	86
22	22	22	57	71	35	80	80	87
22	25	23	57	70	35	80	81	86
23	25	22	57	70	35	80	81	86
22	24	22	58	70	35	80	81	87
24	25	23	57	70	36	79	82	87
24	23	23	58	70	35	80	80	86
23	25	23	56	71	35	80	81	86
23	22	24	57	70	35	80	81	86
24	26	22	56	70	35	81	81	87
23	24	22	58	70	36	80	82	86
24	24	23	58	71	36	80	81	86
23	22	20	58	71	35	79	82	85
24	24	24	58	70	36	79	82	85
24	24	24	59	71	38	80	82	85
22	22	22	60	72	39	79	82	85
24	25	23	60	72	39	79	82	86
24	25	23	61	70	38	80	83	87
24	25	22	61	69	38	80	85	86
22	22	22	61	68	39	81	85	86
23	23	22	61	67	39	82	88	85
23	25	23	63	68	39	83	90	85
24	23	23	62	66	39	84	89	83
23	23	23	61	65	40	84	86	83
23	23	23	60	65	41	84	85	83
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
1	0	10	17	17	17	16	19
2	0	30	18	17	17	17	19
3	0	51	18	17	17	17	19
4	1	11	18	17	17	17	19
5	1	31	17	18	18	17	20
6	1	51	18	17	16	17	19
7	2	12	18	17	17	17	19
8	2	32	18	17	17	17	19
9	2	52	18	17	17	17	19
10	3	12	21	18	21	17	19
11	3	33	22	18	22	18	20
12	3	53	25	18	23	18	20
13	4	13	27	18	23	17	20
14	4	34	29	18	25	17	19
15	4	54	31	18	27	17	20
16	5	14	32	19	28	17	20
17	5	34	34	19	29	17	20
18	5	55	36	21	30	16	19
19	6	15	38	22	31	18	20
20	6	35	39	25	33	17	19
21	6	55	41	27	33	18	20
22	7	16	43	26	34	18	18
23	7	36	44	29	35	18	20
24	7	56	46	31	37	18	19
25	8	17	49	33	38	18	20
26	8	37	50	33	38	19	19
27	8	57	53	34	39	19	20
28	9	17	54	36	41	19	20
29	9	38	56	37	43	19	18
30	9	58	56	38	43	18	20
31	10	18	58	39	45	19	19
32	10	39	59	40	45	19	21
33	10	59	61	41	46	20	20
34	11	19	61	42	46	19	20
35	11	40	63	42	48	20	20
36	12	0	64	44	48	20	20
37	12	20	65	44	49	20	20
38	12	40	65	44	50	21	20
39	13	1	67	45	50	19	21
40	13	21	68	45	51	20	19
41	13	41	68	46	52	20	19
42	14	2	69	46	52	21	20
43	14	22	69	47	53	22	21
44	14	42	71	48	52	22	21
45	15	3	71	48	54	22	21

NH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP INLET HYD. TEMP. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
17	17	16	19	19	17	18	16	16
17	17	17	19	19	17	18	17	17
17	17	17	19	19	17	18	17	16
17	17	17	19	19	17	17	16	17
18	18	17	20	20	18	18	17	17
17	16	17	19	19	17	17	17	17
17	17	17	19	19	17	17	17	17
17	17	17	19	19	17	18	17	17
17	17	17	19	19	17	18	17	17
18	21	17	19	20	18	18	24	19
18	22	18	20	20	18	19	29	22
18	23	18	20	21	18	17	32	25
18	23	17	20	21	18	18	35	28
18	25	17	19	19	18	19	38	30
18	27	17	20	20	19	18	41	31
19	28	17	20	20	18	18	42	32
19	29	17	20	21	18	19	44	33
21	30	16	19	21	19	19	45	33
22	31	18	20	21	20	19	46	34
25	33	17	19	21	19	20	32	29
27	33	18	20	22	20	20	45	33
26	34	18	18	22	21	20	49	35
29	35	18	20	22	25	23	46	30
31	37	18	19	22	27	25	45	36
33	38	18	20	23	26	27	48	38
33	38	19	19	24	25	28	48	38
34	39	19	20	23	25	29	49	39
36	41	19	20	24	24	31	49	39
37	43	19	18	25	26	32	52	40
38	43	18	20	24	25	33	53	41
39	45	19	19	25	27	34	54	42
40	45	19	21	24	26	36	55	42
41	46	20	20	25	27	38	55	44
42	46	19	20	25	27	38	56	45
42	48	20	20	25	28	38	57	44
44	48	20	20	26	28	40	57	45
44	49	20	20	25	29	41	58	46
44	50	21	20	26	29	42	59	46
45	50	19	21	27	29	43	60	47
45	51	20	19	27	31	43	60	47
46	52	20	19	28	30	44	61	48
45	52	21	20	27	31	45	60	48
47	53	22	21	27	31	45	62	48
48	52	22	21	27	31	46	62	48
48	54	22	21	29	33	47	62	49

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
46	15	23	72	48	54	22	20
47	15	43	73	49	55	22	21
48	16	4	73	49	55	23	21
49	16	24	69	49	56	24	20
50	16	44	66	51	55	24	20
51	17	4	70	50	56	24	21
52	17	25	72	51	57	24	21
53	17	45	72	51	56	25	21
54	18	5	72	51	56	25	21
55	18	26	73	51	58	25	21
56	18	46	73	52	57	26	22
57	19	6	73	52	58	26	21
58	19	27	73	53	58	26	22
59	19	47	74	53	58	27	21
60	20	7	75	53	59	27	21
61	20	28	76	53	60	28	22
62	20	48	75	54	59	28	22
63	21	8	76	54	59	28	21
64	21	28	77	54	60	29	22
65	21	49	77	54	60	29	22
66	22	9	78	54	61	29	23
67	22	29	78	55	60	30	22
68	22	50	79	55	61	30	22
69	23	10	80	55	61	29	22
70	23	30	81	56	62	31	22
71	23	51	81	56	62	31	23
72	24	11	82	56	62	33	22
73	24	31	81	56	62	31	23
74	24	52	82	56	62	33	23
75	25	12	81	56	62	34	22
76	25	32	82	57	63	34	22
77	25	53	82	57	62	34	21
78	26	13	78	56	62	34	21
79	26	33	82	56	62	35	21
80	26	54	82	56	63	36	24
81	27	14	83	55	64	35	22
82	27	34	83	54	63	36	21
83	27	55	82	53	64	36	22
84	28	15	81	51	63	36	21
85	28	35	80	50	62	36	21
86	28	56	81	48	61	38	22
87	29	16	80	48	60	38	22
88	29	36	78	45	60	37	21
89	29	57	78	43	53	38	21
90	30	17	78	47	54	38	22
91	30	37	77	44	55	39	22
92	30	58	76	48	56	39	22
93	31	18	77	46	57	39	22
94	31	38	76	45	57	39	22
95	31	59	76	45	56	39	22

4-17 TIL. UMP LET YD. EMP G.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP INLET HYD. TEMP. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
48	54	22	20	29	33	47	64	49
49	55	22	21	30	33	48	64	51
49	55	23	21	29	34	48	64	51
49	56	24	20	29	34	49	64	51
51	55	24	20	30	35	49	65	51
50	56	24	21	31	35	49	66	51
51	57	24	21	32	35	51	66	52
51	56	25	21	31	36	51	66	52
51	56	25	21	32	36	50	66	52
51	58	25	21	31	37	51	66	52
52	57	26	22	32	36	52	66	54
52	58	26	21	32	37	52	67	54
53	58	26	22	32	38	53	68	53
53	58	27	21	33	39	52	68	54
53	59	27	21	32	39	53	68	54
53	60	28	22	32	39	53	68	54
54	59	28	22	33	39	54	67	55
54	59	28	21	33	39	55	69	55
54	60	29	22	32	40	55	68	56
54	60	29	22	32	41	55	69	55
54	61	29	23	31	41	55	69	55
55	60	30	22	32	41	55	69	55
55	61	30	22	31	42	55	70	55
55	61	29	22	31	43	56	70	56
56	62	31	22	32	43	56	70	57
55	62	31	23	32	43	56	71	56
56	62	33	22	31	43	56	71	56
56	62	31	23	31	44	57	71	57
56	62	33	23	31	50	58	71	56
56	62	34	22	31	46	58	70	57
57	63	34	22	31	47	57	71	57
57	62	34	21	31	46	56	71	57
56	62	34	21	29	46	57	71	57
56	62	35	21	30	45	54	71	55
55	63	36	24	29	45	54	71	44
5	64	35	22	30	44	54	71	42
54	63	36	21	30	45	54	72	41
57	64	36	22	29	44	53	72	39
51	63	36	21	30	44	53	72	38
50	62	36	21	30	45	52	72	37
8	61	38	22	29	44	51	73	36
48	60	38	22	29	45	50	72	35
45	60	37	21	29	44	49	71	37
43	53	38	21	28	51	49	75	51
47	54	38	22	29	48	49	74	53
45	55	39	22	28	47	48	72	45
9	56	39	22	27	48	47	69	38
46	57	39	22	28	46	46	69	39
45	57	39	22	27	46	46	70	37
45	56	39	22	27	46	45	69	38

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
96	32	19	75	44	56	39	22
97	32	39	74	43	57	39	22
98	33	0	73	42	55	39	21
99	33	20	74	42	55	40	22
100	33	40	74	42	55	40	22
101	34	1	69	42	55	39	21
102	34	21	69	41	54	40	22
103	34	41	74	41	54	41	22
104	35	2	73	41	54	42	22
105	35	22	73	42	53	41	22
106	35	42	76	41	54	42	23
107	36	3	76	42	54	42	23
108	36	23	76	41	54	41	23
109	36	43	71	41	54	41	24
110	37	4	72	41	54	43	24
111	37	24	74	41	54	42	24
112	37	44	73	41	54	43	24
113	38	5	77	41	54	44	24
114	38	25	76	41	54	42	24
115	38	45	76	41	54	42	24
116	39	6	77	40	54	43	24
117	39	26	73	41	54	44	23
118	39	46	77	41	53	44	24
119	40	7	77	41	53	43	23
120	40	27	75	41	54	44	23
121	40	47	75	41	54	44	24
122	41	8	77	41	55	44	24
123	41	28	78	41	55	45	24
124	41	48	77	42	54	44	25
125	42	9	77	41	54	45	25
126	42	29	81	42	54	45	25
127	42	49	79	41	55	45	24
128	43	10	77	41	53	45	24
129	43	30	76	42	54	45	25
130	43	50	80	41	54	46	25
131	44	11	79	42	54	46	26
132	44	31	78	41	54	46	25
133	44	51	79	41	54	48	24
134	45	12	77	42	54	45	25
135	45	32	79	41	54	46	24
136	45	52	80	41	54	47	26
137	46	13	80	42	56	46	25
138	46	33	77	42	54	46	25
139	46	53	78	42	54	47	24
140	47	14	77	42	53	46	26
141	47	34	78	41	54	47	27
142	47	54	81	42	55	47	26
143	48	15	78	42	56	46	27
144	48	35	77	42	55	48	28
145	48	55	79	41	55	48	26

4-17 IL. UMP LET YD. EMP G.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP INLET HYD. TEMP. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
44	56	39	22	27	45	46	69	38
43	57	39	22	27	46	46	69	38
42	55	39	21	27	45	46	69	38
42	55	40	22	28	46	45	68	38
42	55	40	22	27	48	46	68	38
42	55	39	21	27	46	45	67	41
41	54	40	22	27	46	45	67	45
41	54	41	22	27	47	45	66	40
41	54	42	22	27	47	46	66	39
42	53	41	22	27	46	46	66	40
41	54	42	23	27	48	46	67	40
42	54	42	23	27	46	46	66	40
41	54	41	23	28	48	47	65	40
41	54	41	24	28	48	46	66	41
41	54	43	24	27	48	46	66	41
41	54	42	24	27	48	47	67	39
41	54	43	24	28	48	47	66	40
41	54	44	24	28	48	48	66	40
41	54	42	24	27	48	46	66	40
41	54	42	24	27	48	46	66	40
40	54	43	24	27	49	48	65	40
41	54	44	23	28	48	46	65	40
41	53	44	24	26	49	47	66	41
41	53	43	23	28	48	46	67	41
41	54	44	23	27	48	46	68	40
41	54	44	24	27	48	48	68	41
41	55	44	24	28	48	46	67	40
41	55	45	24	27	48	48	68	40
42	54	44	25	28	48	47	66	41
41	54	45	25	28	50	46	67	41
42	54	45	25	27	49	46	66	41
41	55	45	24	28	50	46	67	42
41	53	45	24	27	49	48	66	41
41	54	45	25	29	50	48	68	41
41	54	46	25	28	48	48	66	41
42	54	46	26	28	50	47	68	40
41	54	46	25	29	49	47	67	41
41	54	48	24	28	51	46	66	41
42	54	45	25	29	49	46	67	40
42	54	46	24	29	49	48	68	42
42	54	47	26	28	51	48	68	41
42	56	46	25	28	50	47	68	41
42	54	46	25	29	49	49	68	41
42	54	47	24	29	50	48	68	41
42	53	46	26	28	50	48	67	41
42	54	47	27	29	50	46	69	42
42	56	47	26	29	51	48	67	42
42	56	46	27	28	50	49	68	42
42	55	48	28	31	51	48	69	41
41	55	48	26	30	51	48	69	42

-01 SKLEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
146	49	16	77	42	55	48	27
147	49	36	78	41	55	48	27
148	49	56	79	42	54	48	27
149	50	17	79	41	55	47	27
150	50	37	79	42	54	46	26
151	50	57	81	41	55	47	27
152	51	18	78	41	54	47	26
153	51	38	78	41	53	48	27
154	51	58	78	41	53	46	27
155	52	19	81	41	52	47	25
156	52	39	81	40	53	47	27
157	52	59	80	41	54	47	26
158	53	20	81	41	53	48	27
159	53	40	81	41	54	47	27
160	54	0	81	41	52	48	27
161	54	21	82	41	54	48	28
162	54	41	81	41	53	48	28
163	55	1	83	41	54	48	27
164	55	22	83	42	54	48	29
165	55	42	83	42	54	48	30
166	56	2	83	42	54	48	29
167	56	23	85	42	54	47	28
168	56	43	81	41	54	48	28
169	57	3	81	41	54	48	28
170	57	24	84	42	53	47	28
171	57	44	79	41	54	47	29
172	58	5	81	42	54	47	29
173	58	24	80	41	53	48	28
174	58	45	80	42	54	48	29
175	59	5	82	42	52	48	29
176	59	26	82	41	51	49	29
177	59	46	81	41	52	48	29
178	60	6	81	41	53	49	29
179	60	27	84	41	53	49	29
180	60	48	84	43	54	49	29
181	61	8	82	42	54	50	30
182	61	28	82	42	55	49	30
183	61	49	85	43	55	49	31
184	62	9	85	43	56	49	31
185	62	30	83	43	56	51	30
186	62	45	81	43	55	50	31
187	63	5	83	44	56	50	31
188	63	26	82	44	56	50	30
189	63	46	83	44	55	50	31
190	64	7	85	44	55	51	30
191	64	27	82	44	56	51	30
192	64	47	31	44	56	51	30
193	65	8	82	44	55	51	30
194	65	28	85	44	56	50	30
195	65	48	83	43	56	50	30

-17 IL. UMP LET YD. EMP G.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP INLET HYD. TEMP. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
42	55	48	27	29	51	48	68	42
41	55	48	27	29	51	48	68	42
42	54	48	27	30	50	49	68	42
41	55	47	27	29	50	49	67	40
42	54	46	26	29	49	48	67	39
41	55	47	27	28	48	48	68	40
41	54	47	26	28	48	47	66	39
41	53	48	27	28	48	47	67	40
41	53	46	27	27	48	48	67	39
41	52	47	25	28	48	46	67	40
40	53	47	27	27	48	46	68	41
41	54	47	26	27	46	46	66	41
41	53	48	27	28	46	47	67	40
41	54	47	27	28	46	45	68	41
41	52	48	27	27	46	46	67	41
41	54	48	28	27	47	47	68	41
41	53	48	28	28	46	46	68	42
41	54	48	27	28	46	47	68	42
42	54	48	29	28	45	47	68	42
42	54	48	30	28	46	47	68	42
42	54	48	29	28	46	47	68	42
42	54	47	28	28	48	47	67	42
41	54	48	28	28	46	48	68	42
41	54	48	28	29	46	47	69	40
42	53	47	28	27	46	47	67	42
41	54	47	29	29	45	46	67	40
42	54	47	29	29	48	48	67	42
41	53	48	28	30	48	47	67	44
42	54	48	29	28	48	47	67	45
42	52	48	29	30	49	48	69	44
41	51	49	29	30	50	48	67	44
41	52	48	29	31	49	49	67	43
41	53	49	29	32	49	49	66	43
41	53	49	29	32	49	49	66	44
43	54	49	29	33	51	49	67	44
42	54	50	30	32	50	49	68	43
42	55	49	30	33	50	50	67	44
43	55	49	31	33	51	50	68	44
43	56	49	31	33	51	49	69	44
43	56	51	30	34	51	50	68	44
43	55	50	31	33	51	50	68	45
44	56	50	31	33	52	50	68	44
44	56	50	30	32	51	50	68	45
44	55	50	31	34	51	50	69	44
44	55	51	30	34	51	51	69	44
44	56	51	30	33	51	50	69	44
44	56	51	30	34	52	49	69	44
44	55	51	30	32	52	49	69	44
44	56	50	30	32	51	49	68	42
43	56	50	30	33	51	49	69	40

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
196	66	9	81	43	56	51	30
197	66	29	82	43	55	52	29
198	66	49	82	43	55	51	30
199	67	10	85	42	55	51	29
200	67	30	86	42	54	51	30
201	67	50	82	42	54	51	29
202	68	11	81	41	54	50	30
203	68	26	82	41	54	51	29
204	68	46	82	42	49	51	30
205	69	7	85	45	51	51	29
206	69	27	81	45	52	51	29
207	69	47	83	44	53	51	31
208	70	8	85	44	54	49	29
209	70	28	81	43	54	51	29
210	70	48	82	42	54	50	29
211	71	9	81	42	54	51	29
212	71	29	84	42	53	50	28
213	71	49	85	42	54	51	29
214	72	10	85	41	49	50	29
215	72	30	82	44	51	49	28
216	72	50	83	45	52	50	30
217	73	11	83	45	54	51	29
218	73	32	82	44	54	51	30
219	73	52	84	44	54	51	30
220	74	12	85	44	55	51	30
221	74	33	83	39	50	51	29
222	74	54	83	39	51	49	30
223	75	14	85	39	49	50	29
224	75	34	85	39	50	50	29
225	75	55	85	40	51	51	30
226	76	15	84	40	51	50	29
227	76	35	81	40	52	50	29
228	76	56	82	41	52	50	30
229	77	16	83	40	52	51	30
230	77	36	83	41	52	51	29
231	77	57	85	41	53	51	30
232	78	17	82	41	54	48	30
233	78	37	78	41	53	50	29
234	78	58	77	42	53	50	29
235	79	18	75	42	52	51	30
236	79	38	73	41	51	51	31
237	79	59	72	42	50	51	31
238	*	*	*	*	*	*	*

4-17 TIL. PUMP NLET HYD. TEMP G.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP INLET HYD. TEMP. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
43	56	51	30	31	50	49	69	40
43	55	52	29	32	49	49	68	39
43	55	51	30	31	49	49	68	40
42	55	51	29	31	50	50	68	41
42	54	51	30	31	49	49	67	41
42	54	51	29	31	49	49	68	39
41	54	50	30	31	49	50	68	39
41	54	51	29	31	49	49	67	40
42	49	51	30	31	53	48	73	54
45	51	51	29	31	50	47	68	48
45	52	51	29	31	51	48	66	41
44	53	51	31	31	48	48	66	40
44	54	49	29	31	49	48	67	39
43	54	51	29	31	48	48	66	38
42	54	50	29	30	48	48	66	38
42	54	51	29	31	48	48	66	39
42	53	50	28	31	48	48	66	39
42	54	51	29	30	48	48	66	40
41	49	50	29	30	53	47	74	54
44	51	49	28	31	50	47	70	49
45	52	50	30	31	49	46	67	42
45	54	51	29	30	49	47	66	41
44	54	51	30	30	49	47	66	39
44	54	51	30	31	49	46	66	40
44	55	51	30	31	49	46	68	39
39	50	51	29	30	49	47	67	40
39	51	49	30	31	48	46	66	40
39	49	50	29	31	48	47	66	40
39	50	50	29	30	48	47	66	41
40	51	51	30	29	48	46	65	41
40	51	50	29	30	47	47	65	42
40	52	50	29	31	48	47	66	42
41	52	50	30	30	48	48	66	42
40	52	51	30	31	48	48	66	43
41	52	51	29	31	48	48	66	42
41	53	51	30	30	48	48	68	40
41	54	48	30	30	49	48	68	40
41	53	50	29	31	48	48	68	41
42	53	50	29	32	48	48	69	42
42	52	51	30	31	50	48	64	44
41	51	51	31	31	49	48	61	48
42	50	51	31	32	48	48	60	51
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
1	0	13	17	15	16	15	16
2	0	33	17	15	16	15	15
3	0	53	17	15	16	15	16
4	1	13	17	15	16	14	16
5	1	34	17	15	17	15	16
6	1	54	16	15	16	14	16
7	2	14	17	15	16	14	16
8	2	34	17	15	16	14	16
9	2	55	17	15	17	15	16
10	3	15	17	15	17	15	17
11	3	35	18	15	17	15	17
12	3	56	17	15	16	15	16
13	4	16	17	15	17	15	16
14	4	36	17	15	16	15	16
15	4	56	17	15	17	16	17
16	5	17	17	15	16	15	15
17	5	37	17	15	17	15	16
18	5	57	16	15	16	15	16
19	6	17	17	15	16	15	16
20	6	38	17	16	17	15	15
21	6	58	17	15	16	15	17
22	7	18	17	15	17	15	16
23	7	38	17	14	17	15	16
24	7	59	17	15	17	16	15
25	8	19	17	16	18	15	17
26	8	39	17	15	17	16	15
27	9	0	17	15	16	15	16
28	9	20	17	16	18	16	16
29	9	40	17	15	17	15	17
30	10	1	17	16	17	15	16
31	10	21	17	17	17	15	16
32	10	41	16	15	17	16	17
33	11	1	17	15	17	15	17
34	11	22	16	14	17	15	16
35	11	42	17	15	17	15	16
36	12	2	17	15	16	15	17
37	12	23	17	15	17	15	16
38	12	43	17	15	17	15	17
39	13	3	17	15	17	15	16
40	13	24	17	15	17	15	17
41	13	44	16	15	17	14	17
42	14	4	17	15	17	15	17
43	14	25	17	16	17	15	15
44	14	45	17	15	17	15	17
45	15	5	17	15	18	15	17

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-06 G.1 OIL LER LET OIL G.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
15	16	15	16	16	15	15	15	15
15	16	15	15	16	16	16	14	15
15	16	15	16	17	15	16	15	15
15	16	14	16	16	15	16	14	15
15	17	15	16	17	15	16	15	15
15	16	14	16	16	15	16	14	15
15	16	14	16	16	15	15	14	15
15	16	14	16	17	15	16	15	15
15	17	15	16	17	16	16	15	15
15	17	15	17	17	15	17	15	16
15	17	15	17	18	15	17	15	17
15	16	15	16	17	15	16	15	15
15	15	15	16	17	15	16	15	16
15	16	15	16	17	16	17	15	15
15	17	16	17	18	16	17	14	17
15	16	15	15	17	16	16	15	16
15	17	15	16	17	17	16	15	15
15	16	15	16	17	16	16	15	15
15	16	15	16	17	16	16	15	16
16	17	15	15	17	15	16	15	15
15	16	15	17	17	16	16	15	17
15	17	15	16	16	16	16	15	16
14	17	15	16	16	16	17	15	15
15	17	16	15	16	16	16	15	16
16	18	15	17	18	16	17	16	17
15	17	16	15	17	16	16	15	16
15	16	15	16	18	15	16	15	17
16	18	16	16	17	16	17	14	15
15	17	15	17	16	16	17	15	15
16	17	15	16	18	15	17	15	15
17	17	15	16	18	16	16	15	16
15	17	16	17	17	15	17	16	15
15	17	15	17	18	15	17	15	15
14	17	15	16	18	17	17	14	16
15	17	15	16	17	15	17	15	15
15	16	15	17	17	16	17	15	16
15	17	15	16	17	16	17	15	17
15	17	15	17	16	16	16	16	15
15	17	15	16	17	15	17	15	16
15	17	15	17	16	16	17	15	17
15	17	14	17	17	17	15	15	16
15	17	15	17	17	16	16	15	15
16	17	15	15	17	16	16	15	15
15	17	15	17	17	15	17	15	16
15	18	15	17	18	17	17	14	16

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
46	15	25	16	15	17	15	17
47	15	46	17	16	18	15	16
48	16	6	17	16	17	15	16
49	16	26	16	15	18	16	17
50	16	47	17	15	17	16	17
51	17	7	17	16	17	16	17
52	17	27	17	16	18	15	17
53	17	48	17	15	17	15	17
54	18	8	17	15	18	16	18
55	18	28	17	16	18	15	17
56	18	49	17	15	19	16	16
57	19	9	17	15	19	16	17
58	19	29	17	17	17	16	17
59	19	49	17	15	18	16	17
60	20	10	17	16	18	15	17
61	20	30	17	15	19	15	18
62	20	50	17	16	17	15	17
63	21	11	16	16	18	15	17
64	21	31	17	15	18	15	17
65	21	51	17	18	18	15	18
66	22	12	17	15	18	15	18
67	22	32	17	17	18	16	18
68	22	52	16	16	17	16	18
69	23	13	17	15	18	15	18
70	23	33	17	18	18	17	18
71	23	53	17	15	18	15	18
72	24	14	17	17	18	17	18
73	24	34	17	17	19	17	18
74	24	54	17	17	17	17	18
75	25	15	17	22	20	16	17
76	25	35	17	27	25	17	17
77	25	55	21	30	28	17	18
78	26	16	22	35	31	18	20
79	26	36	24	37	34	17	22
80	26	56	28	41	36	19	23
81	27	17	31	43	38	18	25
82	27	37	32	45	39	18	25
83	27	57	34	52	42	18	31
84	28	18	38	56	45	19	39
85	28	38	40	63	49	19	47
86	28	58	44	66	52	19	52
87	29	19	46	71	55	19	58
88	29	39	49	73	56	19	60
89	29	59	52	75	58	19	63
90	30	20	54	78	59	19	64
91	30	40	55	78	60	20	65
92	31	0	57	82	61	20	66
93	31	21	59	82	62	19	66
94	31	41	59	83	62	20	67
95	32	1	60	84	63	21	68

-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
LER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
LET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
15	17	15	17	17	16	16	15	15
16	18	15	16	18	17	17	15	16
16	17	15	16	18	16	17	15	16
15	16	16	17	17	16	17	15	16
15	17	16	17	18	17	16	15	16
16	17	16	17	18	16	17	15	16
16	18	15	17	17	18	17	15	15
15	17	15	17	18	15	17	16	16
15	18	16	18	17	15	17	16	17
16	18	15	17	17	16	16	15	15
15	19	16	16	18	16	17	16	16
15	19	16	17	17	16	17	15	16
17	17	16	17	17	15	17	15	16
15	18	16	17	18	16	17	15	16
16	18	15	17	17	17	15	15	16
15	19	15	18	18	16	17	15	16
16	17	15	17	17	16	17	14	16
16	18	15	17	18	15	17	15	17
15	18	15	17	18	16	16	14	16
18	18	15	18	18	17	17	15	16
15	18	15	18	18	16	17	15	17
17	18	16	18	18	15	17	15	16
16	17	16	18	18	17	15	16	16
15	18	15	18	18	15	17	15	16
18	18	17	18	18	17	16	16	17
15	18	15	18	18	17	17	15	16
17	18	17	18	19	16	17	14	17
17	19	17	18	18	16	17	15	17
17	17	17	18	19	17	17	15	17
22	20	16	17	17	16	16	15	16
27	25	17	17	18	17	17	15	17
30	28	17	18	19	17	16	15	17
35	31	18	20	20	16	17	15	17
37	34	17	22	22	17	17	15	17
41	36	18	23	23	16	17	15	16
43	38	18	25	25	17	17	15	16
46	39	18	25	26	16	16	15	16
52	42	18	31	32	15	18	15	16
56	45	19	39	42	16	17	15	16
63	49	19	47	52	16	17	15	16
65	52	19	52	59	17	17	16	16
71	55	19	58	65	17	17	15	16
73	56	19	60	70	16	16	15	16
75	58	19	63	74	18	16	15	16
78	59	19	64	78	17	18	22	22
78	60	20	65	81	21	22	28	26
82	61	20	66	83	26	25	34	29
82	62	19	66	85	29	29	37	33
83	62	20	67	88	31	32	40	36
84	63	21	68	89	34	35	44	38

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
96	32	22	61	85	64	20	68
97	32	42	62	85	64	19	68
98	33	2	63	86	65	20	69
99	33	23	63	85	63	20	68
100	33	43	64	85	65	22	68
101	34	3	64	85	65	20	67
102	34	23	63	86	64	21	66
103	34	44	64	85	64	21	66
104	35	4	65	86	65	21	66
105	35	24	64	87	64	21	66
106	35	45	64	87	66	22	66
107	36	5	65	86	65	22	66
108	36	25	64	88	65	21	67
109	36	46	65	88	65	20	67
110	37	6	65	88	65	21	68
111	37	26	65	86	66	22	67
112	37	47	66	87	65	21	68
113	38	7	65	87	64	21	66
114	38	28	65	87	65	21	66
115	38	48	64	88	65	21	66
116	39	8	65	87	66	21	67
117	39	19	65	88	65	22	67
118	39	49	65	87	65	21	68
119	40	9	65	88	64	22	68
120	40	30	66	87	65	22	66
121	40	50	65	88	65	22	68
122	41	10	65	87	65	22	68
123	41	30	66	87	65	21	68
124	41	51	64	88	67	21	69
125	42	11	65	88	66	22	69
126	42	31	64	87	65	21	66
127	42	52	65	88	66	21	67
128	43	12	66	88	66	22	68
129	43	32	65	88	66	22	69
130	43	53	65	88	66	22	68
131	44	13	66	88	66	21	68
132	44	34	65	88	65	22	70
133	44	54	65	88	66	22	68
134	45	14	65	88	65	21	69
135	45	35	65	88	66	21	69
136	45	55	66	88	66	20	69
137	46	15	66	88	66	21	69
138	46	36	65	88	67	20	69
139	46	56	66	88	67	20	70
140	47	16	67	88	66	20	69
141	47	37	65	88	67	20	70
142	47	57	67	89	66	21	71
143	48	17	65	88	66	20	69
144	48	38	66	88	66	21	69
145	48	58	66	88	67	21	71

-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
LER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
LET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
85	64	20	68	89	38	41	49	42
85	64	19	68	89	46	50	53	45
86	65	20	69	90	52	59	58	49
85	63	20	68	88	55	64	63	51
85	65	22	68	88	58	69	66	55
85	65	20	67	86	59	71	69	56
86	64	21	66	86	61	73	72	59
85	64	21	66	86	61	76	75	59
86	65	21	66	85	62	77	76	61
87	64	21	66	86	62	77	76	61
87	66	22	66	86	64	79	77	62
86	65	22	66	86	63	80	78	62
88	65	21	67	87	64	80	79	63
89	65	20	67	87	64	81	81	64
88	65	21	68	86	64	82	81	65
85	66	22	67	87	66	85	82	65
87	85	21	68	87	65	85	83	66
87	64	21	66	86	65	84	83	66
87	65	21	66	86	65	84	84	66
88	65	21	66	86	64	83	85	66
87	66	21	67	87	65	83	84	67
90	65	22	67	88	64	85	84	66
87	65	21	68	88	65	83	84	66
88	64	22	68	88	65	87	85	66
87	65	22	66	90	67	88	86	67
88	65	22	68	88	66	90	86	68
87	65	22	68	90	65	91	86	69
87	65	21	68	91	65	88	87	69
88	67	21	69	89	64	87	87	70
88	66	22	69	88	64	87	88	70
87	65	21	66	88	64	86	87	70
88	66	21	67	88	63	85	88	70
88	66	22	68	88	63	87	88	70
88	66	22	69	88	63	86	88	70
88	66	22	68	88	64	88	87	69
88	66	21	68	89	64	86	88	70
88	65	22	70	88	62	87	88	70
88	66	22	68	91	63	86	88	70
88	65	21	69	89	63	87	88	69
88	66	21	69	90	64	87	88	70
88	66	20	69	89	64	87	89	70
88	66	21	69	89	63	88	89	70
88	67	20	69	90	63	86	89	70
88	67	20	70	90	64	86	88	70
88	66	20	69	89	62	87	89	70
88	67	20	70	90	64	86	89	70
89	66	21	71	90	63	87	89	70
88	66	20	69	90	64	87	88	70
90	66	21	69	91	64	86	89	69
88	67	21	71	90	64	88	89	70

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
146	49	18	66	89	67	22	69
147	49	19	66	88	66	22	69
148	49	59	66	88	66	21	68
149	50	19	65	91	67	20	71
150	50	39	65	94	69	19	67
151	51	0	66	97	71	19	69
152	51	20	67	99	71	19	68
153	51	40	69	100	70	18	69
154	52	1	70	101	69	19	69
155	52	21	70	101	71	19	69
156	52	42	69	102	71	19	71
157	53	2	69	102	71	19	71
158	53	22	70	101	71	19	71
159	53	42	70	103	71	19	71
160	54	3	71	102	70	21	71
161	54	23	71	101	70	20	71
162	54	43	70	101	70	20	70
163	55	4	70	99	69	21	70
164	55	24	69	98	69	20	71
165	55	45	69	98	67	21	70
166	56	5	69	97	68	21	69
167	56	25	68	96	66	21	69
168	56	45	68	96	67	21	67
169	57	6	68	95	66	20	67
170	57	26	66	96	66	20	67
171	57	46	65	94	66	21	68
172	58	7	65	91	66	22	66
173	58	27	66	91	65	22	67
174	58	47	66	89	66	22	66
175	59	8	66	90	67	22	65
176	59	28	66	90	66	22	66
177	59	48	66	90	66	22	66
178	60	9	67	90	66	22	65
179	60	29	68	91	67	22	64
180	60	50	68	91	68	23	64
181	61	11	68	90	68	22	64
182	61	31	67	89	68	24	63
183	61	51	68	89	67	22	63
184	62	11	68	91	68	23	64
185	62	32	68	90	68	23	64
186	62	48	68	91	69	23	64
187	63	8	68	91	67	21	63
188	63	29	68	90	67	22	63
189	63	49	68	90	67	22	64
190	64	9	67	89	68	22	64
191	64	30	68	90	68	22	63
192	64	50	66	89	66	22	64
193	65	10	67	91	66	21	63
194	65	31	67	92	67	20	63
195	65	51	66	93	67	22	65

5-06 ENG.1 OIL OLER NLET OIL G.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
89	67	22	69	89	64	87	90	71
88	66	22	69	89	64	88	89	71
88	66	21	68	89	64	89	89	71
91	67	20	71	91	66	91	91	71
94	69	19	67	92	66	93	94	73
97	71	19	69	94	68	95	96	74
99	71	19	68	96	69	97	98	75
100	70	18	69	96	71	99	100	75
101	69	19	69	97	73	101	100	73
101	71	19	69	98	73	102	99	72
102	71	19	71	98	76	103	100	72
102	71	19	71	99	76	105	100	72
101	71	19	71	100	76	106	100	72
103	71	19	71	100	77	107	100	72
102	70	21	71	100	78	108	99	73
101	70	20	71	101	78	108	99	72
101	70	[illegible]	70	99	78	106	99	71
99	69	21	70	98	76	106	96	70
98	69	20	71	97	77	105	96	71
98	67	21	70	96	76	105	96	69
97	68	21	69	96	74	104	95	70
96	66	21	69	95	75	103	95	71
96	67	21	67	95	74	102	95	72
95	66	20	67	94	73	102	95	71
94	66	20	67	94	73	102	95	71
94	66	21	68	93	73	100	96	72
91	66	22	68	92	73	98	94	72
91	65	22	67	92	73	97	95	72
89	66	22	66	91	71	97	93	72
90	67	22	65	90	70	96	93	71
90	58	22	66	90	70	96	93	72
90	68	22	66	88	70	93	92	72
90	68	22	65	88	68	94	93	72
91	67	22	64	89	69	93	93	71
91	68	23	64	88	68	93	92	72
90	68	22	64	87	69	93	92	73
89	68	24	63	88	68	93	93	72
89	67	22	63	87	68	92	91	72
91	68	23	64	88	67	92	93	71
90	68	23	64	86	68	91	92	72
91	69	23	64	87	67	92	92	71
91	67	21	63	86	67	91	92	71
90	67	22	63	86	67	91	91	71
90	67	22	64	85	66	91	91	71
89	68	22	64	85	67	90	92	71
90	68	22	63	86	65	90	92	71
89	66	22	64	86	65	90	92	70
91	66	21	63	86	64	91	92	71
92	67	20	63	88	65	92	92	71
93	67	22	65	89	66	93	93	72

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
196	66	11	66	94	68	19	65
197	66	32	67	91	70	20	66
198	66	52	66	88	70	21	63
199	67	12	67	86	66	21	66
200	67	32	68	93	63	22	67
201	67	53	67	81	61	23	66
202	68	13	66	78	61	23	64
203	68	28	66	76	62	24	63
204	68	49	67	82	60	24	59
205	69	9	66	83	65	22	62
206	69	30	65	85	62	23	62
207	69	50	63	87	64	21	64
208	70	10	62	91	66	20	67
209	70	31	62	93	68	19	69
210	70	51	64	95	68	20	68
211	71	11	67	97	69	19	67
212	71	32	67	98	69	20	67
213	71	52	67	98	68	19	66
214	72	12	69	99	68	19	67
215	72	32	68	99	69	19	68
216	72	53	69	101	69	19	68
217	73	13	68	100	69	21	68
218	73	34	68	99	68	20	68
219	73	55	69	97	67	20	68
220	74	15	68	96	65	20	67
221	74	36	66	96	66	20	66
222	74	56	67	96	67	21	66
223	75	17	67	95	67	21	66
224	75	37	68	95	68	22	68
225	75	57	66	94	68	20	66
226	76	17	66	93	66	21	66
227	76	38	67	92	67	22	66
228	76	58	68	92	67	23	65
229	77	18	67	92	70	23	68
230	77	39	67	90	72	22	65
231	77	59	67	88	70	23	71
232	78	19	69	84	70	23	71
233	78	40	68	82	70	23	71
234	79	0	69	81	76	23	71
235	79	20	68	79	75	24	71
236	79	41	68	78	73	24	70
237	80	1	68	76	72	24	70
238	*	*	*	*	*	*	*

5-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
COOLER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
OUTLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
94	68	19	65	90	66	93	93	72
91	70	20	66	88	67	94	95	73
88	70	21	63	85	69	96	97	75
86	66	21	66	83	70	97	98	74
83	63	22	67	84	71	99	98	74
81	61	23	66	81	71	99	98	73
78	61	23	64	80	71	99	98	73
76	62	24	63	80	71	99	98	74
82	60	24	59	79	71	101	99	73
83	65	22	62	79	72	99	98	74
85	62	23	62	79	72	101	97	72
87	64	21	64	82	71	100	96	73
91	66	20	67	86	71	95	94	73
93	68	19	69	88	61	92	92	70
95	68	20	68	91	56	90	89	67
97	69	19	67	93	59	86	87	65
98	69	20	67	93	59	85	86	65
98	68	19	66	93	59	82	85	64
99	68	19	67	95	52	81	90	68
99	69	19	68	94	65	83	89	70
98	69	19	68	96	63	79	86	70
98	69	21	68	95	61	78	86	67
98	68	20	68	95	65	82	88	68
97	67	20	68	95	65	86	89	70
96	65	20	67	95	64	89	91	71
96	66	20	66	93	65	91	92	72
96	67	21	66	93	66	91	93	72
96	67	21	66	93	68	92	94	73
96	68	22	66	93	68	94	94	74
96	68	20	68	92	70	95	95	74
96	68	21	66	91	70	94	93	74
96	67	22	66	91	69	93	93	72
96	67	23	65	89	67	92	93	72
96	70	23	68	88	71	91	92	74
96	72	22	65	85	70	88	91	76
96	78	23	71	84	72	87	89	80
96	78	23	71	84	74	86	87	81
96	78	23	71	82	73	85	86	81
96	76	23	71	81	73	83	85	80
96	75	24	71	80	72	83	83	78
96	73	24	70	80	72	82	81	76
96	72	24	70	79	72	81	81	75
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
1	0	13	18	17	17	18	19
2	0	33	18	17	17	18	19
3	0	53	18	17	18	18	19
4	1	13	18	17	17	18	19
5	1	34	18	17	17	18	19
6	1	54	18	17	17	18	19
7	2	14	18	17	17	19	19
8	2	34	18	17	17	18	19
9	2	55	19	18	17	19	20
10	3	15	19	18	18	19	20
11	3	35	22	18	18	19	20
12	3	56	23	18	17	18	19
13	4	16	26	18	18	19	21
14	4	36	27	18	17	18	20
15	4	56	29	18	18	19	20
16	5	17	31	18	17	18	19
17	5	37	31	17	18	18	19
18	5	57	32	16	18	18	19
19	6	17	34	17	18	19	20
20	6	38	35	17	18	18	18
21	6	58	36	18	17	18	19
22	7	18	39	18	17	18	19
23	7	38	39	17	17	18	18
24	7	59	41	18	17	19	20
25	8	19	41	18	18	18	20
26	8	39	43	17	17	18	19
27	9	0	44	17	17	19	19
28	9	20	45	17	18	18	19
29	9	40	46	17	17	18	19
30	10	1	48	18	17	18	19
31	10	21	49	17	17	18	20
32	10	41	49	17	18	19	19
33	11	1	51	17	17	19	19
34	11	22	51	17	17	19	19
35	11	42	52	17	17	18	19
36	12	2	52	17	17	18	18
37	12	23	54	17	17	18	19
38	12	43	54	17	17	19	19
39	13	3	55	17	17	19	19
40	13	24	56	17	17	18	19
41	13	44	57	17	17	18	19
42	14	4	58	18	17	18	19
43	14	25	59	17	17	18	19
44	14	45	59	17	17	19	18
45	15	5	60	18	17	19	20

HH-53C S/N 66-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

16	5-17	5-18	5-19	5-20	5-21	5-22	5-23	5-24
IN	MAIN	INTER.	TAIL	GEN.1	FUEL	L.ELEC	L.ELEC	L.ELEC
OX	G.BOX	GEAR	GEAR	MASS	TEMP.	COMPT	COMPT	COMPT
ER	COOLER	BOX	BOX	TEMP	TO	TOPCTR	BTM RT	BTMLFT
ET	OUTLET	OIL	OIL		COMBST	AIR	AIR	AIR
IL	OIL	TEMP	TEMP		HEATER	TEMP	TEMP	TEMP
C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
17	17	18	19	18	17	17	17	17
17	17	18	19	18	18	17	17	17
17	18	18	19	18	18	17	17	17
17	17	18	19	18	17	17	17	17
17	17	18	19	18	17	17	17	17
17	17	18	19	18	17	17	17	17
17	17	19	19	18	18	17	17	17
17	17	18	19	18	17	17	17	17
18	17	19	20	18	18	18	17	17
18	18	19	20	19	18	18	17	17
18	18	19	20	19	18	18	18	18
18	17	18	19	18	18	17	17	17
18	18	19	21	19	17	17	17	17
18	17	18	20	19	19	17	17	17
18	18	19	20	19	18	18	18	17
18	17	18	19	19	17	17	17	18
17	18	18	19	21	18	18	18	18
16	18	18	19	21	18	17	17	18
17	18	19	20	22	18	17	18	18
17	18	18	18	22	18	17	18	18
18	17	18	19	23	18	18	18	18
18	17	18	19	23	18	17	18	19
17	17	18	18	24	19	17	18	19
18	17	19	20	25	18	18	18	19
18	18	18	20	26	18	18	18	19
17	17	18	19	26	19	17	18	20
17	17	19	19	27	19	18	18	19
17	18	18	19	28	19	18	18	20
17	17	18	19	29	18	17	18	19
17	17	18	19	29	19	17	18	20
16	17	18	20	31	18	18	19	20
17	17	18	19	30	19	18	18	20
17	18	19	19	32	19	18	19	20
17	17	19	19	32	19	17	19	21
17	17	18	19	34	18	17	19	21
17	17	18	18	34	19	18	19	21
17	17	18	19	34	19	18	19	21
17	17	19	19	35	19	18	19	21
17	17	19	19	36	19	18	19	22
17	17	18	19	36	19	18	19	21
17	17	18	19	37	18	18	19	22
16	17	18	19	38	19	18	19	22
17	17	18	19	39	19	18	19	22
17	17	19	18	39	19	18	19	22
18	17	19	20	40	20	19	19	22

S-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-15 ACCESS GEAR BOX OIL TEMP DEG.C	S-16 MAIN G.BOX COOLER INLET OIL DEG.C	S-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	S-18 INTER. GEAR BOX OIL TEMP DEG.C	S-19 TAIL GEAR BOX OIL TEMP DEG.C
46	15	25	61	17	18	18	19
47	15	46	62	17	17	18	20
48	16	6	64	17	18	18	19
49	16	26	64	17	18	18	19
50	16	47	64	17	17	18	19
51	17	7	65	17	17	18	19
52	17	27	66	18	17	18	19
53	17	48	66	17	18	19	19
54	18	8	66	17	17	18	19
55	18	28	66	17	17	18	18
56	18	49	67	17	17	18	19
57	19	9	68	17	18	18	19
58	19	29	69	18	18	18	20
59	19	49	70	18	18	18	19
60	20	10	71	17	18	18	20
61	20	30	71	18	17	18	20
62	20	50	71	17	17	19	19
63	21	11	72	17	17	18	19
64	21	31	73	17	17	18	19
65	21	51	74	17	17	18	19
66	22	12	74	17	17	18	19
67	22	32	74	17	17	18	19
68	22	52	75	17	17	19	19
69	23	13	76	17	17	18	20
70	23	33	77	18	18	19	19
71	23	53	78	17	18	18	20
72	24	14	77	18	17	19	19
73	24	34	78	18	18	19	19
74	24	54	79	18	18	19	19
75	25	15	79	19	19	19	19
76	25	35	80	20	20	19	19
77	25	55	81	20	21	19	19
78	26	16	80	21	20	19	20
79	26	36	79	21	21	19	20
80	26	56	81	21	22	19	22
81	27	17	81	22	22	19	21
82	27	37	81	22	22	19	22
83	27	57	81	23	23	19	23
84	28	18	80	24	24	19	25
85	28	38	80	25	27	21	26
86	28	58	79	29	29	22	28
87	29	19	78	31	31	22	29
88	29	39	79	33	33	23	30
89	29	59	80	35	34	24	31
90	30	20	80	37	37	25	33
91	30	40	79	39	38	26	33
92	31	0	79	41	40	27	34
93	31	21	78	43	42	27	34
94	31	41	78	44	42	29	35
95	32	1	78	46	44	31	35

-16	5-17	5-18	5-19	5-20	5-21	5-22	5-23	5-24
IN	MAIN	INTER.	TAIL	GEN.1	FUEL	L.ELEC	L.ELEC	L.ELEC
OX	G.BOX	GEAR	GEAR	MASS	TEMP.	COMPT	COMPT	COMPT
ER	COOLER	BOX	BOX	TEMP	TO	TOPCTR	BTM RT	BTMLFT
ET	OUTLET	OIL	OIL		COMBST	AIR	AIR	AIR
IL	OIL	TEMP	TEMP		HEATER	TEMP	TEMP	TEMP
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
17	18	18	19	40	20	18	20	22
17	17	18	20	41	20	18	20	23
17	18	18	19	41	20	18	20	24
17	18	18	19	42	20	18	20	23
17	17	18	19	42	21	18	20	23
17	17	18	19	44	20	18	20	22
18	17	18	19	45	21	18	20	24
17	18	19	19	44	21	18	21	23
17	17	18	19	46	21	18	20	24
17	17	18	18	46	21	19	21	24
17	17	18	19	46	21	19	21	24
17	18	18	19	47	21	18	21	24
18	18	18	20	47	21	18	21	24
18	18	18	19	48	21	18	21	24
17	18	18	20	49	24	19	21	24
18	17	18	20	49	21	19	21	23
17	17	19	19	50	19	19	21	23
17	17	18	19	51	22	19	21	22
17	17	18	19	51	22	18	21	22
17	17	18	19	52	24	19	21	23
17	17	18	19	52	22	19	21	23
17	17	18	19	52	22	19	21	22
17	17	19	19	53	21	19	21	22
17	17	18	20	53	21	19	21	22
18	18	19	19	54	22	19	21	22
17	18	18	20	54	24	20	22	24
18	17	19	19	55	25	19	22	22
18	18	19	19	56	25	19	21	23
18	18	19	19	55	22	20	22	22
19	19	19	19	56	19	19	22	22
20	20	19	19	56	19	20	22	23
20	21	19	19	55	23	19	22	23
21	20	19	20	55	19	19	22	22
21	21	19	20	54	23	20	22	23
21	22	19	22	55	22	19	22	23
22	22	19	21	54	23	20	22	22
22	22	19	22	54	22	20	22	24
23	23	19	23	54	18	19	22	24
24	24	19	25	54	18	19	22	24
25	27	21	26	54	21	19	22	25
29	29	22	28	54	22	20	22	24
31	31	22	29	54	24	20	22	25
33	33	23	30	54	22	20	22	24
35	34	24	31	54	25	21	23	25
37	37	25	33	55	22	21	23	25
39	38	26	33	54	23	21	23	24
41	40	27	34	54	24	21	23	24
43	42	27	34	54	25	21	22	25
44	42	29	35	55	22	21	22	26
46	44	31	35	54	25	20	22	25

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
96	32	22	78	47	45	36	36
97	32	42	78	48	45	33	36
98	33	2	78	50	46	36	37
99	33	23	77	51	48	34	37
100	33	43	77	53	49	33	38
101	34	3	76	53	49	34	38
102	34	23	76	55	49	38	38
103	34	44	76	55	51	35	39
104	35	4	76	56	51	38	39
105	35	24	77	57	52	36	39
106	35	45	76	57	52	37	39
107	36	5	76	59	53	38	40
108	36	25	76	59	52	38	40
109	36	46	76	60	53	41	41
110	37	6	76	60	54	39	41
111	37	26	76	61	54	40	41
112	37	47	77	61	54	40	42
113	38	7	77	62	54	39	42
114	38	28	76	62	52	39	42
115	38	48	75	62	53	40	42
116	39	8	75	63	53	41	43
117	39	19	76	64	54	42	44
118	39	49	75	64	53	42	43
119	40	9	75	65	54	42	44
120	40	30	76	65	52	41	44
121	40	50	75	66	54	42	45
122	41	10	76	65	54	45	45
123	41	30	76	66	52	44	45
124	41	51	77	67	53	44	45
125	42	11	76	66	54	45	45
126	42	31	76	66	54	55	46
127	42	52	76	66	54	50	46
128	43	12	77	66	54	46	46
129	43	32	*	67	56	45	47
130	43	53	74	67	54	46	47
131	44	13	81	67	54	46	48
132	44	34	74	67	54	45	47
133	44	54	76	67	53	48	48
134	45	14	76	67	53	46	48
135	45	35	68	67	55	48	48
136	45	55	77	67	54	46	48
137	46	15	77	67	52	46	48
138	46	36	76	68	53	51	49
139	46	56	76	68	54	48	49
140	47	16	76	68	53	51	49
141	47	37	80	68	54	51	50
142	47	57	73	68	54	49	49
143	48	17	75	68	53	48	50
144	48	38	77	68	54	49	51
145	48	58	81	68	53	52	51

5-16 MAIN G.BOX OLER NLET OIL G.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
47	45	36	36	55	19	21	23	24
48	45	33	36	54	22	21	22	24
50	46	36	37	55	24	21	23	25
51	48	34	37	55	18	20	23	25
53	49	33	38	55	22	21	22	25
53	49	34	38	55	22	21	22	25
55	49	38	38	55	28	21	22	24
55	51	35	39	56	25	21	23	24
56	51	38	39	55	25	21	22	24
57	52	36	39	56	24	21	23	25
57	52	37	39	57	23	21	23	26
59	53	38	40	57	23	22	24	24
59	52	38	40	56	22	22	23	26
60	53	41	41	56	21	21	24	25
60	54	39	41	56	24	21	23	25
61	54	40	41	56	23	22	24	25
61	54	40	42	57	23	22	23	27
62	54	39	42	56	22	22	23	26
62	52	39	42	56	29	21	24	25
62	53	40	42	57	23	22	24	25
63	53	41	43	56	25	22	24	25
64	54	42	44	56	22	21	23	25
64	53	42	43	57	23	21	24	25
65	54	42	44	57	18	21	23	25
65	52	41	44	58	25	22	24	25
66	54	42	45	57	21	21	24	27
65	54	45	45	57	17	21	23	25
66	52	44	45	56	22	21	24	26
67	53	44	45	58	17	22	24	26
66	54	45	45	59	18	22	24	26
66	54	55	46	58	21	22	24	25
66	54	50	48	58	19	22	24	27
66	54	46	46	58	23	22	24	26
67	56	45	47	58	27	22	24	26
67	54	46	47	59	26	22	24	27
67	54	46	48	59	26	22	24	26
67	54	45	47	59	23	21	24	26
67	53	48	48	58	20	22	24	26
67	53	46	48	58	17	22	24	26
67	55	46	48	59	22	22	24	26
67	54	46	48	59	21	22	25	26
67	52	46	48	59	19	22	24	27
68	53	51	49	58	16	22	25	27
68	54	48	49	59	15	22	25	27
68	53	51	49	59	19	22	25	27
68	54	51	50	59	18	22	24	26
68	54	49	49	59	21	21	24	25
68	53	48	50	59	21	22	25	27
68	54	49	51	59	26	23	25	27
68	53	52	51	59	25	22	25	26

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
146	49	18	81	68	53	51	51
147	49	19	77	68	54	49	52
148	49	59	76	68	54	48	52
149	50	19	75	69	52	48	52
150	50	39	74	69	52	48	52
151	51	0	75	71	54	46	52
152	51	20	74	72	53	47	52
153	51	40	74	74	55	45	53
154	52	1	75	75	55	46	54
155	52	21	75	76	55	53	54
156	52	42	74	77	56	49	54
157	53	2	75	77	56	48	55
158	53	22	74	78	56	46	54
159	53	42	75	80	56	49	55
160	54	3	75	81	57	48	55
161	54	23	75	81	58	46	56
162	54	43	75	81	58	46	56
163	55	4	75	81	58	46	56
164	55	24	75	81	56	46	56
165	55	45	75	80	57	47	56
166	56	5	76	79	56	48	56
167	56	25	76	79	56	47	56
168	56	45	76	79	56	47	57
169	57	6	75	78	56	48	57
170	57	26	74	79	57	49	56
171	57	46	75	78	57	45	57
172	58	7	75	78	56	48	57
173	58	27	76	77	57	47	57
174	58	47	75	76	56	48	57
175	59	8	76	76	56	48	56
176	59	28	76	75	56	48	57
177	59	48	75	75	56	48	58
178	60	9	77	74	55	48	56
179	60	29	76	73	56	48	57
180	60	50	77	73	55	48	58
181	61	11	76	73	55	48	58
182	61	31	77	73	55	48	58
183	61	51	76	72	55	51	58
184	62	11	77	71	55	49	58
185	62	32	77	72	54	49	58
186	62	48	77	72	55	51	58
187	63	8	68	71	54	47	58
188	63	29	75	71	55	51	58
189	03	49	79	71	54	48	59
190	64	9	77	71	54	48	58
191	64	30	77	71	54	48	59
192	64	50	31	70	54	47	59
193	65	10	78	70	52	46	59
194	65	31	77	70	53	46	58
195	65	51	76	70	52	46	59

-16	5-17	5-18	5-19	5-20	5-21	5-22	5-23	5-24
AIN	MAIN	INTER.	TAIL	GEN.1	FUEL	L.ELEC	L.ELEC	L.ELEC
BOX	G.BOX	GEAR	GEAR	MASS	TEMP.	COMPT	COMPT	COMPT
LER	COOLER	BOX	BOX	TEMP	TO	TOPCTR	BTM RT	BTMLFT
LET	OUTLET	OIL	OIL		COMBST	AIR	AIR	AIR
OIL	OIL	TEMP	TEMP		HEATER	TEMP	TEMP	TEMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
68	53	51	51	59	21	22	25	28
68	54	49	52	59	18	22	25	27
68	54	48	52	59	20	22	24	27
69	52	48	52	58	22	22	25	27
69	52	48	52	58	17	22	25	27
71	54	46	52	58	22	22	24	27
72	53	47	52	59	25	22	24	27
74	55	45	53	58	18	22	24	28
75	55	46	54	58	25	22	25	27
76	55	53	54	58	18	22	24	27
77	56	49	54	59	18	22	25	27
77	56	48	55	58	26	22	25	28
78	56	46	54	58	22	22	25	27
80	56	49	55	59	22	22	25	27
81	57	48	55	58	21	23	25	27
81	58	46	56	59	21	23	26	28
81	58	46	56	58	25	24	25	28
81	58	46	56	58	21	23	27	26
81	56	46	56	59	25	23	25	27
80	57	47	56	59	22	23	25	28
79	56	48	56	59	24	24	26	28
79	56	47	56	59	20	24	26	28
79	56	47	57	59	18	24	26	28
78	56	48	57	58	26	24	25	28
79	57	49	56	58	22	23	25	28
78	57	45	57	58	24	24	27	29
78	56	48	57	59	25	24	25	28
77	57	47	57	59	22	22	25	29
76	56	48	57	59	24	23	25	30
76	56	48	56	60	17	23	26	29
75	56	48	57	60	22	23	25	29
75	56	48	58	59	20	24	27	29
74	55	48	56	61	22	23	27	29
73	56	48	57	61	27	24	27	28
73	55	48	58	61	17	24	26	29
73	55	48	58	61	19	24	26	28
73	55	48	58	62	24	24	27	30
72	55	51	58	61	22	24	27	29
71	55	49	58	62	26	25	28	28
72	54	49	58	62	22	24	27	29
72	55	51	58	62	22	23	27	28
71	54	47	58	61	22	25	27	28
71	55	51	58	61	19	24	27	29
71	54	48	59	62	22	24	27	28
71	54	48	58	62	21	24	27	28
71	54	48	59	62	19	23	26	30
70	54	47	59	63	20	24	27	29
70	52	46	59	62	21	23	27	28
70	53	46	58	62	22	25	27	29
70	52	46	59	61	19	24	27	28

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
196	66	11	78	71	53	45	59
197	66	32	76	72	54	45	59
198	66	52	76	72	54	48	59
199	67	12	77	71	53	45	59
200	67	32	76	72	54	45	59
201	67	53	76	72	54	46	59
202	68	13	76	72	54	45	59
203	68	28	76	72	54	45	59
204	68	49	77	72	53	49	59
205	69	9	76	72	54	45	59
206	69	30	76	73	54	45	60
207	69	50	77	73	54	44	59
208	70	10	76	72	54	45	59
209	70	31	76	73	54	45	59
210	70	51	76	73	54	48	59
211	71	11	76	72	55	45	59
212	71	32	75	73	54	51	59
213	71	52	76	73	54	51	60
214	72	12	76	73	54	44	60
215	72	32	77	72	54	48	59
216	72	53	77	73	54	44	60
217	73	13	76	73	55	44	59
218	73	34	77	73	54	45	60
219	73	55	76	73	54	43	60
220	74	15	76	73	54	44	60
221	74	36	78	74	53	44	61
222	74	56	77	74	54	44	60
223	75	17	76	73	55	43	60
224	75	37	77	74	55	44	59
225	75	57	77	74	55	43	60
226	76	17	77	73	55	45	60
227	76	38	78	73	55	45	61
228	76	58	79	74	55	45	60
229	77	18	78	72	56	46	60
230	77	39	79	71	54	46	59
231	77	59	81	70	54	48	59
232	78	19	79	71	54	48	58
233	78	40	77	70	54	46	58
234	79	0	81	69	55	48	58
235	79	20	77	71	56	48	58
236	79	41	75	69	55	47	58
237	80	1	73	69	56	48	58
238	*	*	*	*	*	*	*

5-16	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
71	53	45	59	61	22	24	27	28
72	54	45	59	61	22	24	27	29
72	54	48	59	61	18	24	27	29
71	53	45	59	60	20	23	27	28
72	54	45	59	60	22	24	27	30
72	54	46	59	61	27	24	28	29
72	54	45	59	60	24	25	27	29
72	54	45	59	59	25	24	28	28
72	53	49	59	59	21	24	28	29
72	54	45	59	59	21	24	27	28
73	54	45	60	59	18	24	27	29
73	54	44	59	59	21	25	27	29
72	54	45	59	60	22	24	28	29
73	54	45	59	59	17	25	27	29
73	54	48	59	59	17	24	28	29
72	55	45	59	59	20	24	27	30
73	54	51	59	59	25	25	27	29
73	54	51	60	59	19	24	27	29
73	54	44	60	59	22	23	28	31
72	54	48	59	59	17	24	28	30
73	54	44	60	60	27	25	28	30
73	55	44	59	59	21	24	27	28
73	54	45	60	58	22	25	28	29
73	54	43	60	59	22	25	28	29
73	54	44	60	59	19	25	28	29
74	53	44	61	59	21	25	28	29
74	54	44	60	59	25	25	28	30
73	55	43	60	59	22	24	27	29
74	55	44	59	59	22	25	27	28
74	55	43	60	60	21	24	27	28
73	55	45	60	60	24	25	26	27
73	55	45	61	61	20	24	27	27
74	55	45	60	60	23	24	27	27
72	56	46	60	62	23	25	25	28
71	54	46	59	62	19	24	26	27
70	54	48	59	62	19	25	26	27
71	54	48	58	62	19	24	26	27
70	54	48	58	64	20	24	26	27
69	55	48	58	64	22	24	26	27
71	56	48	58	64	24	25	26	28
69	55	47	58	65	24	24	26	27
69	56	48	58	*	24	24	26	27
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 NASS TEMP DEG.C
1	0	13	17	17	17	17	18
2	0	33	17	17	17	17	18
3	0	53	17	17	17	17	18
4	1	13	17	17	17	17	18
5	1	34	17	17	17	17	18
6	1	54	17	17	17	18	18
7	2	14	17	18	17	18	18
8	2	34	17	17	17	18	18
9	2	55	17	18	18	18	19
10	3	15	18	18	18	18	19
11	3	35	18	18	18	17	19
12	3	56	18	18	18	17	19
13	4	16	18	17	18	18	21
14	4	36	18	18	18	18	21
15	4	56	18	18	18	18	23
16	5	17	18	18	18	17	23
17	5	37	18	18	19	17	24
18	5	57	18	18	19	17	24
19	6	17	19	18	19	17	25
20	6	38	18	18	19	17	27
21	6	58	18	19	20	17	26
22	7	18	18	19	21	17	27
23	7	38	19	19	21	17	29
24	7	59	19	19	21	18	29
25	8	19	19	19	22	17	30
26	8	39	19	19	22	17	30
27	9	0	19	19	22	17	31
28	9	20	19	20	23	17	32
29	9	40	19	20	22	17	33
30	10	1	20	20	22	17	34
31	10	21	20	20	23	17	35
32	10	41	20	21	23	17	36
33	11	1	20	21	24	18	35
34	11	22	21	21	23	17	36
35	11	42	20	21	23	17	37
36	12	2	21	21	24	17	39
37	12	23	20	22	25	17	38
38	12	43	20	21	24	17	39
39	13	3	21	22	25	17	39
40	13	24	21	21	25	17	40
41	13	44	21	22	24	18	41
42	14	4	22	22	25	17	41
43	14	25	21	22	24	17	42
44	14	45	21	22	26	17	42
45	15	5	21	23	25	17	42

-01 SHEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
46	15	25	21	22	26	17	44
47	15	46	22	22	26	17	45
48	16	6	22	23	25	17	45
49	16	26	22	24	26	17	45
50	16	47	22	24	27	17	46
51	17	7	22	24	27	17	48
52	17	27	22	24	26	18	48
53	17	48	22	24	27	16	48
54	18	8	22	24	28	17	48
55	18	28	23	24	28	17	48
56	18	49	22	25	27	17	49
57	19	9	22	25	28	17	49
58	19	29	22	25	28	17	49
59	19	49	22	25	29	17	50
60	20	10	22	25	28	1[illegible]	50
61	20	30	22	25	28	17	52
62	20	50	22	24	28	17	51
63	21	11	21	24	27	17	51
64	21	31	21	24	28	17	54
65	21	51	21	24	28	17	52
66	22	12	21	25	28	17	54
67	22	32	22	24	28	17	55
68	22	52	22	25	27	18	54
69	23	13	22	25	28	17	55
70	23	33	22	25	27	17	56
71	23	53	22	25	30	17	56
72	24	14	22	25	29	17	56
73	24	34	22	26	29	16	57
74	24	54	22	25	28	17	59
75	25	15	23	25	28	17	58
76	25	35	22	25	29	17	58
77	25	55	22	25	28	17	58
78	26	16	22	25	28	17	59
79	26	36	22	25	28	17	58
80	26	56	22	26	30	17	59
81	27	17	22	26	28	17	60
82	27	37	22	26	29	18	58
83	27	57	23	26	28	17	60
84	28	18	23	25	28	17	59
85	28	38	23	27	31	17	58
86	28	58	23	26	28	17	58
87	29	19	23	26	29	17	59
88	29	39	23	26	28	17	58
89	29	59	23	26	29	18	58
90	30	20	23	27	29	17	58
91	30	40	23	27	30	18	57
92	31	0	23	26	29	17	58
93	31	21	24	27	29	17	59
94	31	41	23	27	30	17	58
95	32	1	22	27	29	17	58

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
96	32	22	23	26	29	17	57
97	32	42	23	25	29	17	58
98	33	2	22	27	31	17	57
99	33	23	23	27	29	17	57
100	33	43	23	27	29	17	57
101	34	3	23	27	28	17	57
102	34	23	24	27	28	17	58
103	34	44	24	26	28	17	58
104	35	4	23	25	30	17	58
105	35	24	24	27	29	18	58
106	35	45	23	26	30	18	59
107	36	5	24	27	29	18	58
108	36	25	23	27	28	18	58
109	36	46	23	26	29	18	59
110	37	6	23	28	29	18	58
111	37	26	24	28	29	18	58
112	37	47	23	27	30	17	59
113	38	7	24	27	29	18	59
114	38	28	23	27	29	17	59
115	38	48	22	26	29	17	59
116	39	8	23	26	29	17	58
117	39	19	23	28	30	18	59
118	39	49	23	27	29	17	59
119	40	9	23	27	32	18	59
120	40	30	24	27	29	17	58
121	40	50	24	27	29	17	59
122	41	10	23	27	29	17	59
123	41	30	23	27	30	17	59
124	41	51	24	28	29	18	59
125	42	11	23	28	29	17	59
126	42	31	23	27	29	17	59
127	42	52	24	28	32	18	60
128	43	12	24	27	33	18	59
129	43	32	24	28	30	17	59
130	43	53	23	27	30	17	59
131	44	13	24	27	29	17	59
132	44	34	23	28	30	17	60
133	44	54	24	27	30	18	59
134	45	14	23	28	31	17	59
135	45	35	24	28	31	17	60
136	45	55	24	28	30	17	60
137	46	15	24	28	29	18	59
138	46	36	24	28	31	17	60
139	46	56	24	28	31	17	59
140	47	16	24	28	33	17	60
141	47	37	24	28	31	17	60
142	47	57	25	29	31	17	60
143	48	17	24	29	31	17	60
144	48	38	25	29	32	18	60
145	48	58	25	29	31	17	59

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
146	49	18	24	28	31	18	59
147	49	19	24	28	32	17	60
148	49	59	24	28	31	17	60
149	50	19	25	28	31	18	59
150	50	39	24	28	31	17	59
151	51	0	25	28	31	17	59
152	51	20	24	28	30	18	59
153	51	40	25	28	32	17	59
154	52	1	24	27	30	17	59
155	52	21	25	28	33	17	59
156	52	42	24	27	30	17	59
157	53	2	25	28	31	17	58
158	53	22	25	27	31	17	59
159	53	42	25	28	31	17	59
160	54	3	25	28	32	17	59
161	54	23	24	28	32	17	59
162	54	43	25	28	32	17	60
163	55	4	25	29	33	18	59
164	55	24	25	29	33	17	59
165	55	45	25	28	32	18	59
166	56	5	26	29	31	18	59
167	56	25	26	30	34	17	59
168	56	45	26	29	32	18	60
169	57	6	26	29	31	17	59
170	57	26	26	29	33	18	58
171	57	46	26	29	32	17	59
172	58	7	25	30	33	17	59
173	58	27	25	29	34	18	59
174	58	47	26	29	34	17	60
175	59	8	26	28	33	17	60
176	59	28	26	29	34	17	61
177	59	48	26	29	32	17	61
178	60	9	27	30	34	17	62
179	60	29	25	29	32	17	61
180	60	50	26	29	33	17	62
181	61	11	26	30	33	17	62
182	61	31	26	30	32	17	62
183	61	51	26	30	32	17	62
184	62	11	25	29	33	17	62
185	62	32	26	29	33	18	64
186	62	52	26	31	33	17	62
187	63	8	25	30	33	18	62
188	63	29	27	29	32	17	63
189	63	49	26	30	33	17	63
190	64	9	25	30	34	17	63
191	64	30	27	29	33	17	63
192	64	50	26	30	33	17	63
193	65	10	26	29	34	17	63
194	65	31	26	30	33	17	63
195	65	51	27	30	33	17	63

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 NASS TEMP DEG.C
196	66	11	26	29	33	17	62
197	66	32	25	31	33	17	62
198	66	52	25	29	33	17	61
199	67	12	27	31	33	17	61
200	67	32	26	30	32	18	62
201	67	53	27	30	34	18	61
202	68	13	26	30	32	18	61
203	68	28	26	29	33	18	61
204	68	49	26	30	33	18	61
205	69	9	26	29	33	17	60
206	69	30	26	29	33	17	60
207	69	50	27	30	33	17	60
208	70	10	28	31	34	18	62
209	70	31	26	29	32	17	60
210	70	51	27	31	34	17	60
211	71	11	26	30	33	18	59
212	71	32	25	30	34	18	59
213	71	52	26	31	34	17	60
214	72	12	27	30	33	17	60
215	72	32	26	29	32	17	61
216	72	53	26	30	35	17	61
217	73	13	26	31	33	17	59
218	73	34	26	30	33	17	59
219	73	55	26	30	33	17	59
220	74	15	26	31	33	16	60
221	74	35	27	31	33	18	59
222	74	56	27	31	29	17	60
223	75	17	28	30	28	17	59
224	75	37	27	30	27	17	60
225	75	57	27	29	28	17	59
226	76	17	28	29	27	17	60
227	76	38	28	30	27	18	60
228	76	58	27	30	27	17	60
229	77	18	27	29	26	17	60
230	77	39	27	29	26	17	61
231	77	59	27	29	26	17	61
232	78	19	27	29	26	17	62
233	78	40	27	29	26	17	62
234	79	0	27	29	26	18	62
235	79	20	27	29	26	18	63
236	79	41	27	28	27	18	64
237	80	1	27	28	26	17	64
238	*	*	*	*	*	*	*

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CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-0 ENG. LOR ISOL MN AFT I DEG.
1	0	15	15	15	15	16	13
2	0	35	15	15	14	17	13
3	0	56	15	15	15	16	13
4	1	16	15	15	14	16	13
5	1	36	14	14	14	16	13
6	1	56	15	15	15	16	14
7	2	17	15	14	15	16	14
8	2	37	15	15	15	16	13
9	2	57	14	16	15	17	14
10	3	18	17	14	15	17	14
11	3	38	15	15	15	17	14
12	3	58	14	15	15	16	14
13	4	18	15	17	16	17	14
14	4	39	16	16	15	17	13
15	4	59	16	15	15	17	14
16	5	19	15	15	15	18	14
17	5	39	15	16	15	17	14
18	6	0	15	15	15	17	13
19	6	20	15	15	15	17	13
20	6	40	14	16	15	16	14
21	7	0	15	16	15	17	13
22	7	21	14	15	15	16	13
23	7	41	16	15	15	17	14
24	8	1	15	14	15	17	14
25	8	22	15	16	16	17	13
26	8	42	15	15	16	17	13
27	9	2	15	16	15	17	13
28	9	23	15	15	15	17	13
29	9	43	16	15	15	16	13
30	10	3	15	16	15	17	14
31	10	23	15	15	16	16	14
32	10	44	15	15	15	17	14
33	11	4	15	15	16	16	13
34	11	24	15	15	15	17	14
35	11	45	15	15	15	17	14
36	12	5	15	15	16	17	14
37	12	25	15	15	16	17	13
38	12	46	16	14	16	17	14
39	13	6	15	15	16	17	14
40	13	26	15	14	16	17	14
41	13	46	15	15	15	17	14
42	14	7	15	15	16	17	14
43	14	27	15	14	16	17	14
44	14	47	15	15	16	16	14
45	15	8	15	15	15	17	14

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13 MARCH 1970
RUN NO. 2 +70 DEG F

6-06 .2 EL TRL LET MP .C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
15	15	16	13	13	14	13	16	15
15	14	17	13	13	13	14	17	15
15	15	16	13	13	14	14	16	16
15	14	16	13	13	13	14	16	16
14	14	16	13	17	13	14	16	16
15	15	16	14	13	14	14	16	15
14	15	16	14	13	14	14	16	16
15	15	16	13	14	14	14	16	16
16	15	17	1	13	14	14	17	16
14	15	17	14	14	15	14	17	17
15	15	17	14	14	14	14	18	17
15	15	16	14	14	14	14	17	17
17	16	17	14	14	14	14	17	16
16	15	17	13	13	14	14	17	16
15	15	17	14	14	14	14	17	17
15	15	18	14	13	14	14	17	16
16	15	17	14	13	14	13	17	16
15	15	17	13	13	14	14	17	17
15	15	17	13	14	14	14	17	16
16	15	16	14	14	14	14	17	17
16	15	17	13	13	14	13	17	16
15	15	16	13	13	14	13	17	17
15	15	17	14	13	14	14	17	18
14	15	17	14	13	14	14	17	17
16	16	17	13	13	14	14	17	17
15	16	17	13	14	14	14	17	16
16	15	17	13	13	14	14	17	17
15	15	17	13	13	14	14	18	16
15	15	16	13	13	14	14	18	18
16	15	17	14	14	14	14	17	18
15	16	16	14	14	14	14	18	18
15	16	17	13	14	14	14	18	17
15	15	17	14	13	14	14	18	17
15	15	17	14	13	14	14	18	17
16	16	17	14	13	14	14	18	18
15	16	17	13	13	14	14	18	17
14	16	17	14	14	14	14	18	17
15	16	17	14	14	14	14	18	18
14	16	17	14	14	14	14	18	18
15	15	17	14	13	14	14	18	18
15	16	17	14	14	14	14	18	17
15	16	17	14	13	14	14	18	18
15	16	16	14	14	14	14	18	17
15	15	17	14	14	14	14	18	18

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
46	15	28	15	15	16	17	13
47	15	46	15	15	16	18	14
48	16	9	15	15	15	18	13
49	16	29	15	15	16	18	14
50	16	49	15	15	15	17	14
51	17	10	15	15	16	18	14
52	17	30	17	15	16	18	14
53	17	50	15	15	17	18	14
54	18	10	15	16	16	18	14
55	18	31	16	16	15	18	14
56	18	51	16	15	17	18	13
57	19	11	15	15	15	18	14
58	19	32	16	15	15	18	14
59	19	52	15	16	16	19	14
60	20	12	16	15	16	18	14
61	20	33	15	15	16	17	14
62	20	53	15	15	16	18	14
63	21	13	15	16	16	18	14
64	21	34	15	16	16	18	14
65	21	54	15	15	16	18	13
66	22	14	16	15	18	18	14
67	22	34	16	15	17	19	14
68	22	55	16	15	16	18	14
69	23	15	15	15	16	18	14
70	23	35	16	15	16	18	14
71	23	56	17	15	17	18	14
72	24	16	16	15	17	18	14
73	24	36	15	16	17	18	14
74	24	57	17	15	15	18	14
75	25	17	18	15	17	18	14
76	25	38	19	15	18	18	15
77	25	58	21	15	19	18	15
78	26	18	21	16	18	19	14
79	26	39	22	16	19	18	15
80	26	59	23	16	18	18	14
81	27	19	24	15	19	18	15
82	27	40	26	17	18	19	14
83	28	0	27	15	19	19	15
84	28	20	27	15	18	20	15
85	28	40	27	15	19	20	5
86	29	1	28	16	19	22	15
87	29	21	28	15	19	22	15
88	29	41	29	16	19	23	15
89	30	2	29	15	19	25	16
90	30	22	31	18	19	25	16
91	30	42	31	22	19	26	16
92	31	3	32	22	20	26	16
93	31	23	31	24	19	27	16
94	31	43	31	25	18	28	17
95	32	4	31	27	19	28	16

-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
G.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
UEL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
TRL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
LET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
EMP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
15	16	17	13	14	14	14	19	18
15	16	18	14	14	14	14	18	18
15	15	18	13	14	14	14	18	18
15	16	18	14	14	14	14	18	18
15	15	17	14	14	14	14	19	18
15	16	18	14	13	14	14	19	18
15	16	18	14	14	14	14	19	19
15	17	18	14	14	15	14	19	18
16	16	18	14	14	14	14	19	18
16	15	18	14	14	14	14	19	19
15	17	18	13	14	14	14	19	19
15	15	18	14	14	14	14	19	18
15	15	18	14	14	14	14	20	18
16	16	19	14	14	14	14	19	19
15	16	18	14	14	14	14	20	18
15	16	17	14	14	14	15	19	19
15	16	18	14	14	14	14	19	19
16	16	18	14	14	14	14	19	19
16	16	18	14	14	14	14	19	19
15	16	18	13	14	14	14	20	19
15	18	18	14	14	14	14	20	20
15	17	19	14	14	14	14	20	19
15	16	18	14	14	14	14	20	19
15	16	18	14	14	14	14	20	19
15	16	18	14	14	14	15	20	20
15	17	18	14	14	15	14	21	20
15	17	18	14	14	14	14	21	20
16	17	18	14	14	15	14	21	20
15	15	18	14	14	14	14	20	20
15	17	18	14	15	14	15	20	22
15	18	18	15	14	15	14	19	20
15	19	18	15	14	14	14	20	20
16	18	19	14	14	14	14	19	20
16	19	18	15	15	14	14	19	19
16	18	18	14	14	14	14	19	20
15	19	18	15	15	14	14	20	20
17	18	19	14	15	14	14	20	19
15	19	19	15	15	14	14	19	21
15	18	20	15	15	14	14	19	18
15	19	20	15	15	14	15	18	19
16	19	22	15	16	14	15	18	18
15	19	22	15	15	14	14	18	19
16	19	23	15	16	14	14	18	18
15	19	25	16	16	16	15	18	18
18	19	25	16	16	14	14	19	18
2	19	26	16	17	15	15	18	18
2	20	26	16	17	15	15	18	18
24	19	27	16	17	15	14	18	18
25	18	28	17	17	15	14	18	18
27	19	28	16	17	16	14	19	18

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
96	32	24	32	29	20	29	17
97	32	44	34	28	19	30	17
98	33	5	34	30	20	30	17
99	33	25	34	29	19	30	17
100	33	45	34	30	20	31	17
101	34	6	35	31	20	32	17
102	34	26	35	33	19	34	18
103	34	46	35	32	20	34	18
104	35	7	35	34	20	35	18
105	35	27	35	35	20	36	19
106	35	47	36	35	20	37	19
107	36	8	36	36	20	37	19
108	36	28	36	36	20	38	19
109	36	48	36	37	21	38	20
110	37	9	36	37	20	39	19
111	37	29	37	36	21	41	19
112	37	49	37	37	21	41	20
113	38	10	38	39	22	42	20
114	38	30	37	37	20	42	20
115	38	50	36	40	19	42	20
116	39	11	37	38	20	44	21
117	39	31	37	39	20	44	19
118	39	51	36	38	20	44	20
119	40	12	37	38	20	44	20
120	40	32	37	38	20	44	21
121	40	52	37	36	21	44	21
122	41	13	36	38	21	45	21
123	41	33	36	39	19	44	21
124	41	53	38	40	22	45	21
125	42	14	38	39	21	45	22
126	42	34	38	39	22	45	22
127	42	54	38	39	21	46	22
128	43	15	37	39	21	47	22
129	43	35	37	39	20	48	22
130	43	55	37	39	21	48	22
131	44	16	38	39	22	48	22
132	44	36	37	39	20	48	22
133	44	56	38	40	19	48	22
134	45	17	37	40	18	48	22
135	45	37	37	41	18	48	22
136	45	57	36	41	19	48	23
137	46	18	36	41	18	49	22
138	46	38	38	42	18	49	23
139	46	58	36	41	19	49	23
140	47	19	36	42	18	48	22
141	47	39	36	41	18	49	23
142	47	59	36	41	19	49	23
143	48	20	38	42	20	50	23
144	48	40	37	41	20	51	24
145	49	0	37	41	21	51	24

6-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
L.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
EL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
RL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
ET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
MP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
29	20	29	17	17	15	15	18	18
28	19	30	17	17	15	15	18	18
30	20	30	17	17	15	15	18	18
29	19	30	17	18	16	15	18	18
30	20	31	17	17	16	15	18	17
31	20	32	17	18	16	15	19	19
33	19	34	18	18	17	15	21	22
32	20	34	18	18	17	16	19	18
34	20	35	18	18	16	16	21	20
35	20	36	19	19	17	16	19	19
35	20	37	19	19	17	17	18	18
36	20	37	19	19	17	17	18	18
36	20	38	19	19	17	17	18	18
37	21	38	20	19	17	17	19	19
37	20	39	19	19	18	17	19	19
38	21	41	19	20	18	18	18	19
39	21	41	20	19	19	18	19	19
39	22	42	20	20	19	18	19	19
37	20	42	20	19	18	18	18	18
40	19	42	20	20	18	18	18	18
41	20	44	21	20	19	18	18	19
41	20	44	19	20	19	18	19	20
42	20	44	20	20	19	18	18	19
42	20	44	20	20	21	19	18	19
43	20	44	21	20	19	19	18	18
43	21	44	21	21	20	19	18	18
43	21	45	21	21	20	19	18	18
43	19	44	21	21	21	20	18	18
44	22	45	21	21	21	20	18	18
44	21	45	22	22	22	20	18	19
44	22	45	22	21	22	21	20	20
44	21	46	22	22	22	22	19	19
45	21	47	22	22	22	21	18	19
45	20	48	22	22	22	22	30	28
45	21	48	22	22	23	22	27	27
46	22	48	22	22	22	22	24	24
46	20	48	22	22	23	22	22	23
46	19	48	22	22	22	22	20	22
46	18	48	22	22	23	22	20	21
46	18	48	22	22	24	23	20	21
46	19	48	23	22	24	22	19	20
46	18	49	22	22	25	22	19	20
47	18	49	23	22	24	22	19	19
47	19	49	23	22	24	22	20	21
47	18	48	22	22	24	24	19	20
47	18	49	23	22	25	23	19	19
47	19	49	23	22	25	23	19	19
47	20	50	23	22	25	24	19	19
48	20	51	24	23	26	25	19	19
48	21	51	24	23	26	25	19	20

2

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
146	49	21	38	40	21	49	23
147	49	41	38	41	21	49	24
148	50	1	35	36	19	49	24
149	50	22	34	33	19	49	24
150	50	42	32	30	19	48	24
151	51	2	31	30	18	48	24
152	51	23	31	30	19	48	24
153	51	43	31	30	19	48	24
154	52	3	30	29	19	48	25
155	52	24	30	29	19	48	25
156	52	44	31	29	18	47	24
157	53	4	30	28	19	49	25
158	53	25	31	30	19	48	25
159	53	45	31	29	19	48	25
160	54	5	31	30	19	48	25
161	54	26	32	32	20	48	25
162	54	46	33	31	19	48	25
163	55	7	33	32	20	49	26
164	55	27	34	32	18	50	26
165	55	47	33	33	20	51	26
166	56	7	34	32	19	50	26
167	56	28	33	32	20	51	26
168	56	48	34	34	21	51	26
169	57	8	33	33	20	50	26
170	57	29	33	34	19	50	27
171	57	49	35	34	21	51	27
172	58	9	36	35	21	52	26
173	58	30	37	36	21	51	26
174	58	50	37	37	21	52	27
175	59	10	37	37	21	51	27
176	59	31	37	38	21	52	27
177	59	51	38	39	21	53	27
178	60	11	38	39	20	52	27
179	60	32	38	39	21	52	27
180	60	53	38	40	22	52	27
181	61	13	39	40	22	52	28
182	61	33	39	40	21	52	28
183	61	54	40	39	21	52	28
184	62	14	40	41	21	52	28
185	62	35	40	39	20	52	28
186	62	56	40	40	21	52	28
187	63	11	38	41	21	51	27
188	63	31	39	40	21	52	28
189	63	52	40	40	21	52	28
190	64	12	39	39	20	51	28
191	64	32	39	41	21	51	28
192	64	53	38	40	21	51	28
193	65	13	37	36	20	50	28
194	65	33	36	35	22	50	29
195	65	53	36	34	18	50	28

-06 G.2 UEL NTRL LET EMP G.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
40	21	49	23	23	26	25	19	19
41	21	49	24	23	26	24	19	20
36	19	49	24	23	27	24	18	19
33	19	49	24	24	27	25	19	19
30	19	48	24	23	27	25	19	19
30	18	48	24	23	28	25	19	19
30	19	48	24	24	27	25	20	20
30	19	48	24	24	28	25	21	20
29	19	48	25	24	28	26	21	21
29	19	48	25	24	28	27	21	21
29	18	47	24	24	28	27	22	22
28	19	49	25	25	29	27	23	23
30	19	48	25	24	29	27	22	22
29	19	48	25	25	29	27	23	22
30	19	48	25	25	29	28	23	24
32	20	48	25	25	28	28	23	23
31	19	48	25	25	29	27	23	23
32	20	49	26	25	29	28	23	23
32	18	50	26	25	29	28	23	22
33	20	51	26	26	29	28	23	22
32	19	50	26	26	29	28	22	22
32	20	51	26	26	29	28	22	22
34	21	51	26	26	29	29	22	22
33	20	50	26	26	29	29	22	22
34	19	50	27	26	29	28	22	22
34	21	51	27	26	29	29	24	23
35	21	52	26	26	29	29	25	25
36	21	51	26	27	30	29	27	26
37	21	52	27	27	29	29	26	26
37	21	51	27	26	30	30	27	25
38	21	52	27	27	30	29	27	26
39	21	53	27	27	30	31	27	27
39	20	52	27	27	30	30	27	27
39	21	52	27	28	30	30	27	27
40	22	52	27	27	31	31	27	26
40	22	52	28	28	31	31	26	27
40	21	52	28	27	31	31	26	27
39	21	52	28	28	31	31	26	27
41	21	52	28	28	32	31	25	26
39	20	52	28	28	31	31	25	27
40	21	52	28	28	31	31	25	26
41	21	51	27	28	32	31	24	25
40	21	52	28	28	31	32	25	25
40	21	52	28	28	32	31	24	26
39	20	51	28	28	32	32	24	26
41	21	51	28	28	32	32	25	26
40	21	51	28	28	32	32	23	24
36	20	50	28	28	32	31	20	22
35	22	50	29	28	32	32	20	21
34	18	50	28	28	33	32	19	20

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
196	66	14	36	35	19	49	28
197	66	34	37	32	19	49	28
198	66	54	36	32	21	49	28
199	67	15	36	31	21	49	28
200	67	35	36	32	22	49	28
201	67	55	35	32	21	48	28
202	68	16	36	31	22	48	28
203	68	31	35	32	22	47	28
204	68	51	36	32	24	48	28
205	69	12	37	32	23	46	28
206	69	32	36	34	21	45	28
207	69	53	34	33	19	46	28
208	70	13	33	34	19	47	28
209	70	33	32	33	19	46	28
210	70	53	31	33	19	46	28
211	71	14	31	33	19	46	28
212	71	34	31	34	19	46	28
213	71	54	32	34	18	46	28
214	72	15	31	34	19	47	28
215	72	35	31	37	18	46	28
216	72	56	31	36	19	48	28
217	73	16	31	38	20	48	28
218	73	37	33	36	19	48	29
219	73	57	33	35	19	49	29
220	74	18	33	33	19	49	29
221	74	38	34	34	20	48	28
222	74	59	33	33	20	49	29
223	75	19	33	32	19	49	28
224	75	39	33	32	19	49	28
225	76	0	35	34	20	49	28
226	76	20	35	35	21	49	28
227	76	40	36	36	21	50	28
228	77	1	37	38	21	51	28
229	77	21	37	39	21	51	28
230	77	41	37	38	22	51	28
231	78	2	38	38	23	52	28
232	78	22	36	37	22	53	28
233	78	42	38	37	21	54	28
234	79	3	37	38	22	54	29
235	79	23	38	38	22	55	28
236	79	43	38	38	23	56	28
237	80	4	38	38	22	57	28
238	*	*	*	*	*	*	*

-06 6.2 UEL TRL LET EMP S.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
35	19	49	28	28	33	33	19	20
32	19	49	28	28	34	32	19	21
32	21	49	28	28	33	32	19	19
31	21	49	28	28	33	32	20	20
32	22	49	28	28	33	33	21	22
32	21	48	28	28	33	32	20	20
31	22	48	28	28	33	32	21	21
32	22	47	28	28	33	32	20	21
32	24	48	28	28	33	33	20	21
32	23	46	28	28	32	33	20	20
34	21	45	28	28	33	32	20	20
33	19	46	28	28	33	33	20	20
34	19	47	28	29	33	33	20	19
33	19	46	28	28	32	32	19	19
33	19	46	28	28	32	33	20	20
33	19	46	28	28	32	32	20	19
34	19	46	28	28	31	32	20	20
34	18	46	28	28	32	33	20	20
34	19	47	28	28	31	33	20	20
37	18	46	28	28	31	33	20	20
36	19	48	28	28	32	33	20	20
38	20	48	28	28	32	33	20	21
36	19	48	29	29	32	32	21	21
35	19	49	28	28	33	33	21	21
33	19	49	29	29	33	33	21	20
34	20	48	28	29	33	33	21	21
33	20	49	29	29	33	33	21	21
32	19	49	28	29	33	33	21	20
32	19	49	28	28	33	33	21	21
34	20	49	28	29	32	32	22	22
35	21	49	28	29	32	33	24	24
36	21	50	28	28	32	33	25	23
38	21	51	28	29	32	33	24	22
39	21	51	28	29	32	33	24	24
38	22	51	28	29	32	33	24	22
38	23	52	28	28	32	33	24	22
37	22	53	28	29	32	33	24	22
37	21	54	28	29	32	34	24	22
38	22	54	29	29	32	33	24	22
36	22	55	28	29	32	34	25	23
38	23	56	28	29	32	33	27	24
38	22	57	28	29	32	33	28	24
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
1	0	15	15	15	16	15	15
2	0	35	15	16	15	16	16
3	0	56	16	16	16	16	15
4	1	16	15	16	16	16	15
5	1	36	16	16	16	16	15
6	1	56	15	16	16	15	16
7	2	17	15	16	16	16	16
8	2	37	16	16	17	16	16
9	2	57	18	17	16	16	16
10	3	18	15	17	17	17	17
11	3	38	17	17	16	16	16
12	3	58	17	17	16	17	17
13	4	18	17	17	17	17	15
14	4	39	18	17	16	17	16
15	4	59	18	17	17	16	17
16	5	19	16	17	17	17	16
17	5	39	17	17	17	17	17
18	6	0	17	17	16	17	17
19	6	20	17	17	17	17	17
20	6	40	17	17	17	17	17
21	7	0	18	17	17	17	17
22	7	21	16	17	17	17	17
23	7	41	16	17	17	17	16
24	8	1	17	17	17	17	17
25	8	22	18	17	17	17	18
26	8	42	17	17	17	17	18
27	9	2	17	17	17	17	18
28	9	23	17	18	18	17	18
29	9	43	18	17	18	18	17
30	10	3	17	17	18	18	18
31	10	23	17	18	18	18	17
32	10	44	19	18	18	18	18
33	11	4	19	18	18	18	18
34	11	24	19	18	18	18	18
35	11	45	18	18	18	18	18
36	12	5	19	18	18	19	18
37	12	25	19	18	19	18	19
38	12	46	19	19	18	19	18
39	13	6	19	18	18	19	19
40	13	26	17	18	18	19	18
41	13	46	17	18	19	19	19
42	14	7	19	19	19	19	19
43	14	27	18	19	19	19	19
44	14	47	18	18	19	20	19
45	15	8	18	19	19	20	19

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HH-53C S/N 68-10334
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

6-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
LET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
URF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
2.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
6.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
15	16	15	15	16	16	15	16	14
16	15	16	16	15	16	15	15	14
16	16	16	15	16	16	15	15	14
16	16	16	15	15	16	15	16	14
16	16	16	15	15	16	15	16	15
16	16	15	16	15	16	15	16	14
16	16	16	16	16	17	15	16	14
16	17	16	15	16	17	15	16	15
17	16	16	16	17	17	15	16	15
17	17	17	17	15	17	15	17	16
17	16	16	16	16	16	15	17	15
17	16	17	17	16	17	15	16	15
17	17	17	15	17	17	15	17	15
17	16	17	16	17	16	15	16	15
17	17	16	17	17	16	16	17	15
17	17	17	16	16	16	16	16	15
17	17	17	17	18	16	16	16	15
17	16	17	17	17	16	16	16	15
17	17	17	17	17	16	15	16	15
17	17	17	17	17	16	15	17	15
17	17	17	17	16	16	15	17	15
17	17	17	17	17	16	16	16	15
17	17	17	16	18	17	16	17	15
17	17	17	17	18	17	16	16	15
17	17	17	18	17	17	16	17	15
17	17	17	18	18	17	16	17	15
17	17	17	18	17	17	16	17	15
18	18	17	18	18	17	16	17	15
17	18	18	17	18	17	16	17	15
17	18	18	18	19	17	17	17	15
18	18	18	17	18	17	17	17	16
18	16	18	18	18	17	17	17	15
18	18	18	18	18	18	17	17	15
18	18	18	18	18	17	17	17	15
18	18	18	18	19	17	18	17	16
18	18	19	18	19	18	17	17	16
18	19	18	19	19	18	17	17	16
19	18	19	18	19	18	18	17	15
18	18	19	19	18	19	17	17	16
18	18	19	18	19	18	18	17	15
18	19	19	19	19	18	17	17	15
19	19	19	19	19	18	18	17	15
19	19	19	19	19	18	18	17	16
18	19	20	19	20	18	17	17	16
19	19	20	19	21	19	18	18	16

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
46	15	28	18	19	19	20	20
47	15	46	18	19	19	20	20
48	16	9	18	19	20	20	21
49	16	29	19	19	20	20	20
50	16	49	19	19	20	20	19
51	17	10	18	19	20	21	20
52	17	30	20	19	20	21	20
53	17	50	20	20	20	21	21
54	18	10	20	20	21	21	22
55	18	31	20	20	21	21	21
56	18	51	20	20	20	21	21
57	19	11	21	20	20	22	22
58	19	32	20	21	21	22	21
59	19	52	19	20	21	22	22
60	20	12	20	20	21	22	22
61	20	33	19	20	21	22	21
62	20	53	19	21	22	22	22
63	21	13	20	20	22	22	21
64	21	34	19	21	22	22	21
65	21	54	21	21	22	22	22
66	22	14	20	21	22	22	22
67	22	34	21	21	22	22	22
68	22	55	21	21	22	23	22
69	23	15	20	21	22	22	22
70	23	35	21	22	22	23	22
71	23	56	21	22	23	23	23
72	24	16	22	22	23	23	23
73	24	36	20	22	22	24	23
74	24	57	21	22	22	22	22
75	25	17	21	21	22	23	22
76	25	38	21	22	21	22	22
77	25	58	20	21	21	22	21
78	26	18	20	21	21	21	20
79	26	39	20	21	21	21	20
80	26	59	20	20	21	21	20
81	27	19	19	20	20	20	20
82	27	40	19	20	19	19	20
83	28	0	19	19	19	19	20
84	28	20	18	19	19	18	19
85	28	40	18	19	18	18	19
86	29	1	18	18	18	18	19
87	29	21	19	18	18	18	19
88	29	41	18	18	18	18	18
89	30	2	18	18	18	18	19
90	30	22	18	18	18	18	18
91	30	42	18	18	18	18	18
92	31	3	18	18	17	18	18
93	31	23	18	18	18	18	18
94	31	43	18	18	17	17	18
95	32	4	18	18	18	17	18

6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
19	20	20	19	19	18	17	17
19	20	20	20	18	18	16	16
20	20	21	20	19	18	17	16
20	20	20	20	19	18	18	16
20	20	19	21	19	18	18	15
20	21	20	20	19	18	18	16
20	21	20	21	19	19	18	17
20	21	21	21	20	18	18	16
21	21	22	21	20	18	18	16
21	21	21	21	19	18	18	17
20	21	21	21	20	18	18	17
20	22	22	21	19	19	18	16
21	22	21	22	19	18	18	17
21	22	22	22	19	19	18	16
21	22	22	22	20	19	18	16
21	22	21	21	19	19	18	16
22	22	22	22	20	19	18	16
22	22	21	22	20	19	18	17
22	22	21	22	20	19	18	17
22	22	22	22	21	19	18	17
22	22	22	22	21	19	18	17
22	22	22	23	19	19	18	16
22	23	22	22	20	19	19	17
22	23	22	22	20	19	19	17
23	23	23	23	21	18	18	17
23	23	23	22	21	18	18	17
22	23	23	22	20	18	18	17
22	22	22	22	21	17	19	17
22	22	22	21	22	18	24	18
22	22	22	21	22	20	22	19
21	22	21	21	21	20	22	20
21	21	21	21	21	21	22	21
21	21	20	19	21	20	22	21
21	21	20	20	21	20	23	21
20	20	20	19	21	20	22	22
19	19	20	19	21	20	23	22
19	19	20	19	22	21	23	22
19	18	19	19	22	20	24	22
19	18	19	19	23	20	25	23
19	18	19	19	22	20	26	23
19	18	19	19	22	21	26	23
18	18	19	19	23	21	26	23
18	18	19	18	24	21	27	24
18	18	18	19	25	21	27	24
18	18	18	18	24	21	27	24
17	18	18	18	25	21	27	24
18	18	18	19	25	22	27	24
17	17	18	18	25	21	27	24
18	17	18	18	26	21	26	24

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
96	32	24	18	17	18	18	18
97	32	44	17	17	17	18	18
98	33	5	18	18	17	18	18
99	33	25	17	17	17	17	18
100	33	45	17	17	17	17	18
101	34	6	19	18	17	18	18
102	34	26	19	19	18	17	18
103	34	46	18	18	17	17	18
104	35	7	19	19	18	17	18
105	35	27	18	18	17	17	17
106	35	47	17	17	17	17	17
107	36	8	17	17	17	17	18
108	36	28	17	17	17	17	18
109	36	48	18	18	17	17	18
110	37	9	18	18	18	17	18
111	37	29	18	18	18	17	18
112	37	49	19	18	19	18	17
113	38	10	18	19	17	17	18
114	38	30	18	18	18	17	17
115	38	50	18	18	18	18	18
116	39	11	18	18	18	17	18
117	39	31	19	19	18	18	18
118	39	51	18	18	18	18	18
119	40	12	18	18	17	18	18
120	40	32	18	17	17	17	18
121	40	52	18	18	18	18	18
122	41	13	18	18	18	18	18
123	41	33	18	18	17	18	18
124	41	53	18	18	18	18	18
125	42	14	18	18	18	18	18
126	42	34	19	19	19	19	19
127	42	54	19	19	18	18	18
128	43	15	18	19	18	18	19
129	43	35	31	29	31	31	33
130	43	55	28	27	29	28	29
131	44	16	24	23	25	24	24
132	44	36	22	21	23	22	22
133	44	56	20	19	21	21	21
134	45	17	20	19	20	19	20
135	45	37	19	19	19	19	19
136	45	57	19	19	19	19	19
137	46	18	18	19	18	19	19
138	46	38	18	18	18	18	19
139	46	58	20	19	18	19	18
140	47	19	19	18	18	18	18
141	47	39	18	19	18	18	19
142	47	59	18	18	18	18	19
143	48	20	19	19	19	18	18
144	48	40	19	18	18	19	19
145	49	0	19	19	19	18	18

6-16	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
17	18	18	18	18	27	22	28	24
17	17	18	18	18	27	21	28	24
18	17	18	18	19	28	22	29	24
17	17	17	18	18	27	22	28	24
17	17	17	18	19	27	22	28	25
18	17	18	18	18	28	23	29	24
19	18	17	18	18	28	23	30	24
18	17	17	18	19	28	22	29	24
19	18	17	18	20	28	23	29	25
18	17	17	17	18	28	22	30	24
17	17	17	17	18	29	22	29	24
17	17	17	18	19	28	22	29	24
17	17	17	18	19	28	21	29	24
18	17	17	18	19	27	23	29	24
18	18	17	18	18	28	22	29	24
18	18	17	18	18	29	22	29	24
19	19	18	17	19	28	22	29	24
19	17	17	18	19	28	23	29	24
18	18	17	17	18	28	21	29	25
18	18	18	18	19	28	22	29	24
18	18	17	18	18	28	22	29	24
19	18	18	18	19	29	23	30	24
18	18	18	18	18	28	22	29	24
18	17	18	18	18	28	22	30	24
17	17	17	18	18	29	22	30	24
18	18	18	18	19	29	22	30	24
18	18	18	18	19	29	21	29	24
18	17	18	18	19	29	22	30	24
18	18	18	18	19	29	22	29	25
18	18	18	18	19	29	22	29	25
19	19	19	19	19	30	24	29	25
19	18	18	18	19	29	24	29	24
19	18	18	19	19	29	23	29	25
29	31	31	33	30	29	22	30	25
27	29	28	29	28	29	23	31	24
23	25	24	24	24	29	22	31	24
21	23	22	22	22	29	22	31	25
19	21	21	21	21	29	23	30	25
19	20	19	20	19	29	23	30	24
19	19	19	19	19	29	23	30	25
19	19	19	19	19	29	23	30	25
19	18	19	19	20	30	23	29	25
18	18	18	19	19	29	22	29	24
19	18	19	18	18	29	23	31	24
18	18	18	18	19	29	22	30	25
19	18	18	19	19	29	23	29	25
18	18	18	19	19	29	22	30	24
19	19	18	18	18	29	23	30	25
18	18	19	19	20	29	23	30	25
19	19	18	18	19	29	23	30	25

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
146	49	21	19	18	18	19	19
147	49	41	19	19	18	18	20
148	50	1	18	19	18	18	19
149	50	22	19	18	18	19	19
150	50	42	19	21	18	19	18
151	51	2	19	19	19	19	20
152	51	23	20	19	18	19	21
153	51	43	20	21	19	21	21
154	52	3	21	20	21	21	21
155	52	24	21	22	21	21	21
156	52	44	22	23	20	22	22
157	53	4	22	23	21	22	22
158	53	25	22	22	22	22	22
159	53	45	23	23	22	22	23
160	54	5	23	23	22	22	24
161	54	26	23	24	23	23	22
162	54	46	23	24	23	23	23
163	55	7	23	22	22	23	25
164	55	27	22	23	22	23	23
165	55	47	22	22	22	22	23
166	56	7	22	22	22	22	22
167	56	28	22	22	20	23	24
168	56	48	22	22	22	22	23
169	57	8	22	22	22	21	22
170	57	29	21	21	22	22	22
171	57	49	23	22	22	22	22
172	58	9	24	24	22	23	24
173	58	30	25	23	22	23	24
174	58	50	24	24	23	23	22
175	59	10	24	23	22	22	22
176	59	31	24	24	22	23	25
177	59	51	24	24	23	22	24
178	60	11	24	23	22	22	21
179	60	32	24	24	22	22	22
180	60	53	24	23	22	22	23
181	61	13	24	23	22	22	21
182	61	33	23	22	22	21	22
183	61	54	23	23	23	22	24
184	62	14	23	22	22	21	23
185	62	35	23	22	22	21	21
186	62	50	23	22	22	21	22
187	63	11	22	22	21	21	21
188	63	31	23	21	21	21	22
189	63	52	22	21	21	21	22
190	64	12	22	21	20	21	21
191	64	32	22	21	20	20	21
192	64	53	21	20	20	20	19
193	65	13	19	19	18	19	22
194	65	33	18	18	18	19	18
195	65	53	19	18	19	19	20

6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
18	19	19	19	29	23	29	25
18	18	20	19	30	24	29	25
18	18	19	19	25	24	27	25
18	19	19	19	25	24	28	26
18	19	18	19	25	25	29	27
19	19	20	20	25	25	30	28
18	19	21	21	26	25	31	28
19	21	21	21	27	26	32	29
21	21	21	21	27	25	33	29
21	21	21	22	27	26	33	29
20	22	22	23	28	26	34	30
21	22	22	23	28	28	33	31
22	22	22	23	28	28	34	30
22	22	23	23	28	29	34	31
22	22	24	23	29	28	35	31
23	23	22	24	30	28	34	31
23	23	23	23	29	29	34	31
22	23	25	24	30	29	33	30
22	23	23	23	29	28	33	30
22	22	23	24	29	28	33	30
22	22	22	23	29	28	33	29
20	23	24	24	29	28	32	29
22	22	23	22	29	28	32	29
22	21	22	22	28	27	32	29
22	22	22	22	27	28	32	29
22	22	22	23	30	28	34	31
22	23	24	24	32	29	35	30
22	23	24	24	33	28	36	30
23	23	22	24	33	28	35	30
22	22	22	23	34	28	36	30
22	23	25	24	34	28	36	30
23	22	24	23	35	29	36	30
22	22	21	22	34	28	36	29
22	22	22	22	34	27	36	29
22	22	23	23	34	28	35	29
22	22	21	23	35	28	36	29
22	21	22	23	34	28	35	29
23	22	24	24	34	28	36	29
22	21	23	22	34	27	35	29
22	21	21	22	34	27	35	29
22	21	22	22	34	27	35	29
21	21	21	22	34	27	34	27
21	21	22	22	33	27	35	28
21	21	22	22	33	27	34	29
20	21	21	22	32	27	34	28
20	20	21	22	32	27	34	28
20	20	19	20	29	26	31	27
18	19	22	19	24	25	28	27
18	19	18	19	24	25	29	26
19	19	20	19	25	24	28	27

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	E I S D
196	66	14	19	18	19	19	20	
197	66	34	19	19	19	18	20	
198	66	54	19	19	19	19	19	
199	67	15	19	19	19	19	19	
200	67	35	19	19	19	19	20	
201	67	55	19	19	19	20	22	
202	68	16	19	19	20	19	19	
203	68	31	19	20	20	19	20	
204	68	51	20	19	19	20	19	
205	69	12	19	19	19	21	21	
206	69	32	19	19	19	19	19	
207	69	53	20	19	19	20	21	
208	70	13	19	19	19	20	21	
209	70	33	19	19	19	19	19	
210	70	53	19	19	20	19	19	
211	71	14	19	20	19	20	21	
212	71	34	19	20	20	20	21	
213	71	54	19	19	18	20	22	
214	72	15	19	20	18	20	21	
215	72	35	19	19	20	20	22	
216	72	56	20	21	19	20	21	
217	73	16	20	20	19	20	21	
218	73	37	21	19	19	20	21	
219	73	57	20	19	19	20	21	
220	74	18	20	20	21	21	20	
221	74	38	21	21	21	21	20	
222	74	59	21	20	20	21	20	
223	75	19	20	21	20	22	22	
224	75	39	20	20	20	20	20	
225	76	0	22	22	21	22	22	
226	76	20	22	23	22	22	22	
227	76	40	22	22	22	22	21	
228	77	1	22	22	22	22	21	
229	77	21	22	21	21	21	22	
230	77	41	22	20	20	21	22	
231	78	2	21	20	20	21	20	
232	78	22	21	21	21	21	22	
233	78	42	22	21	21	21	21	
234	79	3	21	21	20	21	22	
235	79	23	22	21	21	20	21	
236	79	43	22	21	20	20	21	
237	80	4	22	20	21	20	20	
238	*	*	*	*	*	*	*	

-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
LET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
RF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
18	19	19	20	19	25	24	29	27
19	19	18	20	21	24	24	28	26
19	19	19	19	21	23	25	27	27
19	19	19	19	21	22	25	25	27
19	19	19	20	21	22	24	24	27
19	19	20	22	21	22	23	25	26
19	20	19	19	21	22	24	24	26
20	20	19	20	21	22	22	24	25
19	19	20	19	21	22	24	24	25
19	19	21	21	21	23	24	24	24
19	19	19	19	19	23	25	25	25
19	19	20	21	20	24	24	27	27
19	19	20	21	20	25	24	30	28
19	19	19	19	20	25	25	30	28
19	20	19	19	20	26	25	31	28
20	19	20	21	20	26	25	31	29
20	20	20	21	20	27	25	32	29
19	18	20	22	21	27	25	33	29
20	18	20	21	20	26	25	32	29
19	20	20	22	21	27	25	32	29
21	19	20	21	21	27	25	33	29
20	19	20	21	21	26	26	33	29
19	19	20	21	21	26	26	31	29
19	19	20	21	22	25	26	30	29
20	21	21	20	21	26	26	31	29
21	21	21	20	21	27	26	31	28
20	20	21	20	22	28	26	31	29
21	20	22	22	21	28	27	30	29
20	20	20	20	22	28	25	31	29
22	21	22	22	23	29	28	33	30
23	22	22	22	23	30	28	34	30
22	22	22	21	22	31	27	34	28
22	22	22	21	23	32	27	34	29
21	21	21	22	21	32	27	38	29
20	20	21	22	21	31	24	45	29
20	20	21	20	21	27	22	36	29
21	21	21	22	22	28	23	34	30
21	21	21	21	22	27	23	32	31
21	20	21	22	22	28	22	35	29
21	21	20	21	22	51	21	74	29
21	20	20	21	21	66	19	95	28
20	21	20	20	21	74	19	104	28
*	*	*	*	*	*	*	*	*

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RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
1	0	15	15	15	15	15
2	0	35	15	15	15	15
3	0	56	15	14	15	15
4	1	16	15	15	15	15
5	1	36	15	15	15	15
6	1	56	14	14	15	15
7	2	17	14	15	15	15
8	2	37	15	15	16	15
9	2	57	15	15	17	15
10	3	18	16	15	15	15
11	3	38	16	16	16	16
12	3	58	16	15	17	15
13	4	18	15	15	15	15
14	4	39	15	15	16	16
15	4	59	15	16	15	16
16	5	19	16	15	15	15
17	5	39	15	15	15	15
18	6	0	15	15	15	15
19	6	20	15	15	15	15
20	6	40	16	16	15	15
21	7	0	15	15	15	15
22	7	21	15	15	15	14
23	7	41	15	15	16	15
24	8	1	15	15	15	16
25	8	22	15	16	15	15
26	8	42	15	16	15	15
27	9	2	15	15	15	15
28	9	23	14	16	15	15
29	9	43	15	15	16	15
30	10	3	15	15	16	15
31	10	23	15	15	15	15
32	10	44	15	15	15	16
33	11	4	15	15	16	15
34	11	24	16	15	15	15
35	11	45	15	15	15	15
36	12	5	15	15	15	15
37	12	25	15	15	15	16
38	12	46	15	15	15	15
39	13	6	15	15	15	15
40	13	26	15	14	15	15
41	13	46	15	15	15	15
42	14	7	15	14	15	15
43	14	27	16	16	15	16
44	14	47	14	15	16	15
45	15	8	15	15	16	16

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
46	15	28	15	15	15	15
47	15	48	16	15	15	16
48	16	9	15	16	15	16
49	16	29	15	15	14	16
50	16	49	16	16	16	15
51	17	10	16	15	15	15
52	17	30	16	16	15	16
53	17	50	15	16	16	15
54	18	10	15	16	16	15
55	18	31	15	16	15	15
56	18	51	16	15	15	15
57	19	11	16	15	16	15
58	19	32	15	15	15	15
59	19	52	15	15	15	15
60	20	12	15	16	15	15
61	20	33	16	16	16	15
62	20	53	15	16	15	15
63	21	13	16	16	14	15
64	21	34	15	15	16	15
65	21	54	15	17	15	15
66	22	14	15	16	16	15
67	22	34	15	15	15	16
68	22	55	15	16	16	15
69	23	15	15	16	16	15
70	23	35	15	16	15	16
71	23	56	15	16	15	15
72	24	16	16	16	16	16
73	24	36	15	16	16	16
74	24	57	19	15	15	15
75	25	17	37	16	15	15
76	25	38	41	19	15	16
77	25	58	42	21	16	16
78	26	18	41	23	16	15
79	26	39	41	25	15	15
80	26	59	41	27	15	15
81	27	19	41	29	15	15
82	27	40	41	31	15	15
83	28	0	40	34	15	15
84	28	20	41	36	16	15
85	28	40	40	39	15	15
86	29	1	40	41	16	15
87	29	21	39	42	15	15
88	29	41	39	44	16	16
89	30	2	39	46	19	15
90	30	22	39	49	42	17
91	30	42	39	50	51	19
92	31	3	39	52	52	22
93	31	23	39	54	51	25
94	31	43	39	54	51	26
95	32	4	39	55	50	29

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
96	32	24	39	56	49	31
97	32	44	38	57	49	33
98	33	5	39	58	48	37
99	33	25	38	59	47	39
100	33	45	38	59	47	42
101	34	6	38	60	46	45
102	34	26	38	61	46	48
103	34	46	38	62	46	49
104	35	7	38	63	46	52
105	35	27	39	63	46	53
106	35	47	39	63	46	55
107	36	8	39	64	45	56
108	36	28	39	63	46	57
109	36	48	39	64	44	58
110	37	9	39	64	45	59
111	37	29	40	64	46	59
112	37	49	40	64	45	61
113	38	10	40	65	44	61
114	38	30	40	64	45	62
115	38	50	39	64	45	62
116	39	11	39	65	45	63
117	39	31	40	64	44	63
118	39	51	40	64	44	63
119	40	12	39	64	43	63
120	40	32	40	64	44	64
121	40	52	40	65	44	65
122	41	13	40	64	45	65
123	41	33	41	65	45	65
124	41	53	41	64	45	66
125	42	14	42	65	45	66
126	42	34	42	65	44	66
127	42	54	42	65	44	69
128	43	15	41	65	44	67
129	43	35	42	65	45	67
130	43	55	41	66	45	66
131	44	16	41	65	44	68
132	44	36	41	66	44	67
133	44	56	42	65	45	68
134	45	17	41	67	44	67
135	45	37	41	66	44	69
136	45	57	42	64	44	68
137	46	18	42	65	45	69
138	46	38	42	65	45	68
139	46	58	41	66	45	68
140	47	19	41	66	44	68
141	47	39	42	65	45	68
142	47	59	42	66	45	69
143	48	20	41	66	45	68
144	48	40	42	65	45	70
145	49	0	42	65	45	69

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
146	49	21	43	66	45	69
147	49	41	41	65	45	67
148	50	1	42	65	44	66
149	50	22	42	65	44	65
150	50	42	41	64	42	65
151	51	2	42	64	44	65
152	51	23	41	65	42	66
153	51	43	42	65	43	66
154	52	3	42	65	43	67
155	52	24	41	66	43	68
156	52	44	42	66	44	68
157	53	4	42	66	44	66
158	53	25	42	67	44	68
159	53	45	41	68	43	68
160	54	5	42	68	44	70
161	54	26	43	68	43	68
162	54	46	43	68	44	69
163	55	7	43	69	44	70
164	55	27	44	70	43	67
165	55	47	43	68	45	69
166	56	7	43	68	44	67
167	56	28	45	69	44	68
168	56	48	43	68	44	68
169	57	8	43	67	43	69
170	57	29	43	67	43	68
171	57	49	43	68	43	70
172	58	9	44	66	45	70
173	58	30	45	67	45	71
174	58	50	44	67	45	72
175	59	10	44	66	45	72
176	59	31	44	67	46	71
177	59	51	44	68	46	72
178	60	11	45	68	46	72
179	60	32	44	67	45	72
180	60	53	45	67	46	73
181	61	13	45	68	46	73
182	61	33	45	68	47	73
183	61	54	45	67	47	73
184	62	14	45	68	46	73
185	62	35	45	68	48	72
186	62	50	45	68	46	73
187	63	11	45	67	47	73
188	63	31	44	68	48	71
189	63	52	45	67	48	73
190	64	12	44	67	47	71
191	64	32	44	67	48	72
192	64	53	45	66	47	71
193	65	13	44	66	45	69
194	65	33	45	67	45	68
195	65	53	44	66	45	67

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
196	66	14	44	66	44	68
197	66	34	44	66	45	68
198	66	54	45	65	44	68
199	67	15	45	64	45	70
200	67	35	44	64	45	70
201	67	55	44	62	45	70
202	68	16	45	62	46	69
203	68	31	44	60	46	70
204	68	51	43	60	44	69
205	69	12	56	60	45	71
206	69	32	56	61	44	69
207	69	53	56	62	44	69
208	70	13	56	63	46	68
209	70	33	55	63	44	67
210	70	53	55	64	45	66
211	71	14	55	65	44	65
212	71	34	55	64	45	64
213	71	54	54	65	45	64
214	72	15	55	66	43	62
215	72	35	54	66	56	61
216	72	56	54	67	57	63
217	73	16	54	67	56	62
218	73	37	54	68	56	65
219	73	57	52	68	55	67
220	74	18	53	67	54	66
221	74	38	52	68	53	65
222	74	59	52	68	54	65
223	75	19	52	68	53	66
224	75	39	52	68	52	65
225	76	0	52	68	54	70
226	76	20	53	69	55	71
227	76	40	52	68	54	72
228	77	1	51	68	55	72
229	77	21	53	69	55	72
230	77	41	53	69	56	73
231	78	2	53	67	55	72
232	78	22	52	66	55	71
233	78	42	54	66	56	70
234	79	3	53	65	56	69
235	79	23	53	66	56	70
236	79	43	54	64	55	67
237	80	4	54	64	55	67
238	*	*	*	*	*	*

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13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C
1	0	18	17	17	17	17	17
2	0	38	17	18	17	18	17
3	0	58	17	17	17	18	17
4	1	18	17	16	17	18	17
5	1	39	16	17	17	18	17
6	1	59	17	17	16	18	18
7	2	19	19	18	17	18	17
8	2	39	17	17	17	18	18
9	3	0	17	17	17	19	18
10	3	20	19	19	17	18	18
11	3	40	18	18	16	18	18
12	4	1	18	18	17	18	17
13	4	21	18	17	17	18	17
14	4	41	17	17	16	19	17
15	5	1	17	18	17	19	17
16	5	22	17	17	17	17	17
17	5	42	18	17	17	18	17
18	6	2	17	17	17	19	17
19	6	22	17	17	16	18	17
20	6	43	18	18	17	19	17
21	7	3	17	17	17	19	19
22	7	23	17	17	17	18	18
23	7	44	18	17	17	18	17
24	8	4	17	18	18	19	18
25	8	24	17	17	17	18	18
26	8	44	18	17	17	19	17
27	9	5	18	17	17	19	18
28	9	25	17	17	17	19	18
29	9	45	17	17	17	19	17
30	10	6	17	17	17	18	18
31	10	26	17	18	17	18	18
32	10	46	17	18	17	18	17
33	11	7	18	17	17	19	17
34	11	27	17	17	17	18	17
35	11	47	18	17	17	19	17
36	12	7	18	17	18	18	18
37	12	26	17	17	16	19	18
38	12	48	17	17	17	18	18
39	13	8	17	17	17	18	18
40	13	29	17	17	17	19	17
41	13	49	16	18	18	18	18
42	14	9	16	18	16	19	17
43	14	30	17	17	17	19	17
44	14	50	17	18	17	19	17
45	15	10	17	18	16	19	17

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7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
17	17	17	17	17	16	17	17	17
18	17	18	17	17	17	17	18	17
17	17	18	17	17	17	17	18	17
16	17	18	17	17	17	17	17	17
17	17	18	17	18	17	17	18	17
17	16	18	18	18	17	17	17	17
18	17	18	17	18	17	17	18	18
17	17	18	18	18	17	17	17	17
17	17	19	18	18	18	18	18	18
19	17	18	18	18	18	17	18	19
18	16	18	18	18	17	16	17	18
18	17	18	17	18	17	17	18	17
17	17	18	17	18	17	17	17	17
17	16	19	17	17	17	17	18	17
18	17	19	17	18	17	17	17	17
17	17	17	17	18	17	18	18	17
17	17	18	17	17	18	17	18	18
17	17	19	17	17	18	17	17	18
17	16	18	17	18	17	16	18	17
16	17	19	17	18	17	17	18	17
17	17	19	19	18	17	17	18	18
17	17	18	18	17	16	18	17	17
17	17	18	17	18	17	17	18	18
18	18	19	18	18	17	18	19	18
17	17	18	18	17	17	20	17	17
17	17	19	17	18	17	19	17	17
17	17	19	18	19	17	20	17	17
17	17	19	18	18	17	19	18	17
17	17	19	17	18	17	19	18	17
17	17	18	18	17	17	19	18	17
18	17	18	18	18	17	19	17	17
18	17	18	17	18	17	19	17	17
17	17	19	17	17	17	19	17	18
17	17	18	17	18	17	19	17	17
17	17	19	17	18	17	19	17	17
17	18	18	18	18	17	19	17	16
17	16	19	18	17	18	18	17	18
17	17	18	18	18	17	17	17	17
17	17	18	18	18	17	19	18	17
17	17	19	17	17	17	17	17	17
18	18	18	18	18	17	17	17	17
18	16	19	17	18	17	17	17	17
17	17	19	17	18	18	17	17	17
18	17	19	17	17	18	18	17	17
18	16	19	1*	18	17	19	18	17

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C
46	15	31	17	17	17	19	18
47	15	51	17	18	17	19	18
48	16	11	18	17	17	19	18
49	16	31	17	17	18	20	17
50	16	52	17	18	17	19	18
51	17	12	17	17	18	19	18
52	17	32	18	18	18	19	18
53	17	53	19	18	17	19	17
54	18	13	18	17	18	19	18
55	18	33	18	18	17	20	18
56	18	54	18	17	17	19	18
57	19	14	18	18	18	20	17
58	19	34	17	17	17	19	18
59	19	53	18	18	18	19	18
60	20	15	18	17	18	19	17
61	20	35	18	17	18	19	17
62	20	55	18	18	17	20	17
63	21	16	17	18	17	19	18
64	21	36	19	19	19	20	18
65	21	56	18	17	18	19	17
66	22	17	18	19	18	19	18
67	22	37	19	17	18	19	17
68	22	57	18	18	17	19	17
69	23	18	19	17	19	19	18
70	23	38	18	18	18	19	18
71	23	58	19	18	18	20	18
72	24	19	18	18	18	20	18
73	24	39	18	18	18	20	17
74	24	59	19	17	18	20	19
75	25	20	19	18	19	21	23
76	25	40	19	19	19	21	28
77	26	0	19	18	19	22	30
78	26	21	19	19	19	24	34
79	26	41	19	19	19	22	37
80	27	1	19	19	19	22	40
81	27	22	20	19	19	23	41
82	27	42	19	19	20	23	45
83	28	2	21	19	20	23	48
84	28	23	21	19	20	25	52
85	28	43	23	21	21	24	57
86	29	3	22	21	23	25	61
87	29	24	25	22	22	24	63
88	29	44	25	23	22	24	65
89	30	4	26	24	23	24	68
90	30	25	29	24	24	24	71
91	30	45	29	25	24	24	72
92	31	5	30	26	25	24	73
93	31	26	31	27	25	24	74
94	31	46	32	28	25	24	76
95	32	6	33	28	26	24	76

7-06	7-07	7-08	7-09	7-10	7-11	7-14	7-15	7-16
ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
IGNIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
EXCITR	EXCITR	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
SKIN	SKIN	CASE	CASE	CASE	STG.2	STG.3	STG.4	STG.4
OUTBD	OUTBD	TEMP	TEMP	TEMP	4.30	6.00	3.00	4.30
DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
17	17	19	18	18	18	18	17	17
18	17	19	18	17	17	18	19	17
17	17	19	18	17	18	18	17	18
17	18	20	17	18	17	17	17	17
18	17	19	18	19	17	18	17	18
17	18	19	18	19	17	18	18	17
18	18	19	18	18	18	18	17	18
18	17	19	17	18	19	17	18	18
17	18	19	18	18	17	18	18	17
18	17	20	18	18	17	18	18	17
17	17	19	18	18	17	18	18	18
18	18	20	17	18	18	17	18	17
17	17	19	18	19	17	19	17	18
18	18	19	18	18	18	17	18	18
17	18	19	17	18	17	17	18	17
17	18	19	17	18	17	18	17	17
18	17	20	17	19	18	17	17	18
18	17	19	18	17	18	18	18	18
19	19	20	18	19	17	18	18	18
17	18	19	17	18	17	18	18	17
19	18	19	18	18	17	19	18	18
17	18	19	17	18	18	18	18	18
18	17	19	17	18	17	17	18	18
17	19	19	18	19	18	19	19	17
18	18	19	18	17	18	18	18	18
18	18	20	18	19	18	18	17	18
19	18	20	18	18	18	19	18	19
18	18	20	17	18	18	19	18	18
17	19	20	19	19	20	19	18	19
18	19	21	23	21	30	28	28	27
19	19	21	28	23	33	33	34	34
18	19	22	30	24	34	34	37	37
19	19	24	34	24	36	36	38	39
19	19	22	37	26	37	36	40	40
19	19	22	40	27	36	37	41	40
19	19	23	41	28	37	38	42	41
19	20	23	45	28	43	45	48	45
19	20	23	48	29	49	59	63	63
19	20	25	52	29	54	66	72	71
21	21	24	57	29	55	69	76	76
21	23	25	61	29	55	69	78	78
22	22	24	63	29	55	69	80	79
23	22	24	65	30	55	70	80	78
24	23	24	68	29	55	71	80	78
24	24	24	71	30	56	73	80	79
25	24	24	72	30	54	71	81	78
26	25	24	73	30	54	71	80	78
27	25	24	74	30	54	74	80	79
28	25	24	76	30	53	74	80	77
28	26	24	76	30	53	72	80	77

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C
96	32	27	34	28	27	24	78
97	32	47	35	29	28	24	78
98	33	7	35	30	27	25	78
99	33	28	36	29	27	24	78
100	33	48	36	30	27	24	78
101	34	8	36	30	28	24	79
102	34	29	37	31	28	24	79
103	34	49	37	30	28	24	79
104	35	9	38	32	29	25	79
105	35	30	38	32	29	24	80
106	35	50	39	32	30	24	79
107	36	10	39	32	30	24	80
108	36	31	40	32	30	24	80
109	36	51	39	33	31	24	80
110	37	11	39	33	30	25	80
111	37	32	40	33	31	25	80
112	37	52	40	33	30	26	80
113	38	12	40	33	30	24	80
114	38	33	40	33	30	25	80
115	38	53	42	33	30	25	80
116	39	13	42	35	32	25	80
117	39	34	42	34	30	26	81
118	39	54	41	35	30	25	80
119	40	14	43	35	32	24	80
120	40	35	43	36	32	26	80
121	40	55	43	36	32	26	81
122	41	15	43	36	32	24	82
123	41	36	44	36	32	27	80
124	41	56	44	35	32	25	80
125	42	16	44	37	33	25	80
126	42	37	44	37	33	25	80
127	42	57	44	37	33	26	80
128	43	17	45	38	33	25	81
129	43	38	45	37	33	27	80
130	43	58	45	38	33	26	81
131	44	18	45	38	33	26	80
132	44	39	45	38	33	28	81
133	44	59	45	38	34	25	80
134	45	19	47	38	34	26	81
135	45	40	47	39	33	25	81
136	46	0	46	38	33	26	81
137	46	20	46	39	34	27	80
138	46	41	48	38	34	25	82
139	47	1	47	38	35	26	81
140	47	21	47	39	34	26	80
141	47	42	48	39	35	25	82
142	48	2	47	40	34	25	81
143	48	22	48	39	35	26	82
144	48	43	47	40	36	25	82
145	49	3	47	40	35	25	82

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
28	27	24	78	31	53	71	80	78
29	28	24	78	31	51	71	77	75
30	27	25	78	33	46	59	67	69
29	27	24	78	33	48	64	69	67
30	27	24	78	34	48	64	67	67
30	28	24	79	34	48	65	66	66
31	28	24	79	34	48	66	67	67
30	28	24	79	34	48	66	68	67
32	29	25	79	34	50	67	72	70
32	29	24	80	34	50	67	71	70
32	30	24	79	34	48	66	71	68
32	30	24	80	34	51	66	74	71
32	30	24	80	34	48	64	70	70
33	31	24	80	35	48	67	70	68
33	30	25	80	35	49	67	69	69
33	31	25	80	35	48	67	69	68
33	30	26	80	35	49	66	70	69
33	30	24	80	35	48	67	69	67
33	30	25	80	35	50	67	70	68
33	30	25	80	35	51	67	73	70
35	32	25	80	34	50	69	70	69
34	30	26	81	34	53	71	74	72
35	30	25	80	34	50	68	72	71
35	32	24	80	34	49	69	72	69
36	32	26	80	35	47	64	67	68
36	32	26	81	35	48	65	66	65
36	32	24	82	36	50	68	71	67
36	32	27	80	35	49	66	70	70
35	32	25	80	36	48	67	68	67
37	33	25	80	36	49	70	68	67
37	33	25	80	35	50	70	69	67
37	33	26	80	35	51	67	72	69
38	33	25	81	34	50	69	72	69
37	33	27	80	35	51	69	73	70
36	33	26	81	35	52	68	72	71
38	33	26	80	34	50	68	73	71
38	33	28	81	35	52	68	71	71
38	34	25	80	35	51	68	72	71
38	34	26	81	34	51	68	73	70
39	33	25	81	35	51	68	72	70
38	33	26	81	34	51	68	72	70
39	34	27	80	34	51	67	73	70
28	34	25	82	34	51	70	71	70
38	35	26	81	33	52	74	73	70
39	34	26	80	33	52	71	72	70
9	35	25	82	33	51	78	72	70
40	34	25	81	34	51	81	73	70
39	35	26	82	33	51	71	72	71
40	36	25	82	34	49	71	71	69
40	35	25	82	34	50	71	70	68

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C
146	49	23	48	40	36	25	82
147	49	44	48	40	36	25	81
148	50	4	49	40	36	24	81
149	50	24	48	40	35	25	82
150	50	45	48	40	34	28	83
151	51	5	48	40	35	29	86
152	51	25	48	41	36	29	87
153	51	46	48	42	36	29	89
154	52	6	49	41	37	29	89
155	52	26	50	42	37	29	89
156	52	47	53	42	37	31	89
157	53	7	53	44	36	31	91
158	53	27	53	44	38	31	90
159	53	48	53	44	39	30	91
160	54	8	53	45	38	32	91
161	54	28	54	46	39	31	90
162	54	48	55	45	39	31	89
163	55	9	55	46	40	30	89
164	55	29	55	46	40	30	88
165	55	50	54	47	40	30	88
166	56	10	55	46	40	30	87
167	56	30	56	48	40	30	88
168	56	51	56	46	40	30	87
169	57	11	55	47	40	29	86
170	57	31	56	47	40	29	86
171	57	51	56	47	40	30	85
172	58	12	56	47	41	31	85
173	58	32	56	47	42	30	84
174	58	52	56	47	41	30	83
175	59	13	56	46	42	30	82
176	59	33	57	47	40	30	82
177	59	53	56	47	41	30	83
178	60	14	56	47	42	29	84
179	60	34	56	47	41	29	83
180	60	55	54	47	42	29	83
181	61	16	56	47	41	28	84
182	61	36	56	47	41	30	83
183	61	56	55	48	42	30	83
184	62	17	56	47	42	29	83
185	*	*	*	*	*	*	*
186	62	53	54	47	42	28	82
187	63	13	55	46	41	28	82
188	63	34	55	46	41	28	83
189	63	54	54	46	41	28	82
190	64	14	54	45	40	27	83
191	64	35	55	45	41	27	82
192	64	55	54	47	40	25	82
193	65	15	54	46	40	25	83
194	65	36	53	46	40	25	84
195	65	56	54	47	40	26	84

-06	7-07	7-08	7-09	7-10	7-11	7-14	7-15	7-16
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
KIN	SKIN	CASE	CASE	CASE	STG.2	STG.3	STG.4	STG.4
NBD	OUTBD	TEMP	TEMP	TEMP	4.30	6.00	3.00	4.30
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
40	36	25	82	35	51	79	70	67
40	36	25	81	35	52	74	70	67
40	36	24	81	32	60	74	83	79
40	35	25	82	31	65	84	93	91
40	34	28	83	29	69	90	100	98
40	35	29	86	27	70	96	105	104
41	36	29	87	28	72	100	107	106
42	36	29	89	27	72	96	109	107
41	37	29	89	27	72	97	110	108
42	37	29	89	29	73	97	111	109
42	37	31	89	29	73	97	111	109
44	36	31	91	28	73	97	112	110
44	38	31	90	28	74	97	111	110
44	39	30	91	27	72	100	110	109
45	38	32	91	29	73	95	108	107
46	39	31	90	29	70	90	105	103
45	39	31	89	29	68	87	101	100
46	40	30	89	30	68	87	99	97
46	40	30	88	30	69	87	98	96
47	40	30	88	31	68	84	97	96
46	40	30	87	32	67	85	97	95
48	40	30	88	30	67	84	97	95
46	40	30	87	30	66	86	96	95
47	40	29	88	31	66	84	97	94
47	40	29	86	30	66	83	97	94
47	40	30	85	33	58	78	84	83
47	41	31	85	33	56	75	80	78
47	42	30	84	35	55	73	79	76
47	41	30	83	35	55	74	78	76
46	42	30	82	36	54	72	78	76
47	40	30	82	35	54	72	76	74
47	41	30	83	36	55	71	75	75
47	42	29	84	36	54	73	76	73
47	41	29	83	36	54	72	75	73
47	42	29	83	36	54	77	74	73
47	41	28	84	36	53	71	75	73
47	41	30	83	36	55	71	73	73
48	42	30	83	37	55	72	76	74
47	42	29	83	37	53	71	74	74
*	*	*	*	*	*	*	*	*
47	42	28	82	36	53	72	74	72
46	41	28	82	36	53	70	74	72
46	41	28	83	35	53	70	73	72
46	41	28	82	37	53	70	73	72
45	40	27	83	37	53	70	74	72
45	41	27	82	37	52	68	74	72
47	40	25	82	36	56	73	78	74
46	40	25	83	33	62	78	85	84
46	40	25	84	31	62	78	89	88
47	40	26	84	32	63	78	91	89

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C
196	66	16	54	46	40	28	83
197	66	37	55	48	40	31	84
198	66	57	53	47	40	35	82
199	67	17	52	47	41	41	79
200	67	38	53	47	40	43	77
201	67	58	51	47	40	42	74
202	*	*	*	*	*	*	*
203	68	34	51	47	39	40	71
204	68	54	51	47	39	29	74
205	69	14	49	47	40	27	77
206	69	35	49	46	40	26	78
207	69	55	48	45	40	26	78
208	70	15	49	44	39	27	81
209	70	36	50	45	39	27	82
210	70	56	51	45	40	28	86
211	71	16	51	46	40	29	86
212	71	37	51	45	40	28	88
213	71	57	53	46	40	28	89
214	72	17	53	46	40	29	89
215	72	37	54	47	40	29	90
216	72	58	57	46	42	29	89
217	73	18	56	46	41	29	89
218	73	39	56	47	41	29	90
219	74	0	56	48	41	29	88
220	74	20	56	48	42	27	87
221	74	41	56	48	41	28	87
222	75	1	56	48	41	29	87
223	75	22	57	49	42	29	86
224	75	42	56	49	42	29	86
225	76	2	58	48	42	30	87
226	76	23	58	48	42	29	86
227	76	43	58	48	42	27	84
228	77	3	59	48	42	30	83
229	77	23	57	50	42	31	84
230	77	44	56	50	44	35	84
231	78	4	56	50	43	40	82
232	78	24	56	49	44	45	80
233	78	45	56	51	44	46	78
234	79	5	55	51	44	47	76
235	79	25	55	50	45	47	75
236	79	46	54	50	46	47	74
237	80	6	54	50	46	46	73
238	*	*	*	*	*	*	*

7-06 ENG.1 IGNIT EXCITR SKIN INBD EG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
46	40	28	83	32	59	78	87	88
48	40	31	84	35	44	54	65	68
47	40	35	82	36	35	48	55	53
47	41	41	79	36	33	41	50	47
47	40	43	77	37	32	39	48	44
47	40	42	74	36	32	38	46	41
*	*	*	*	*	*	*	*	*
47	39	40	71	35	32	36	43	38
47	39	29	74	36	32	39	38	37
47	40	27	77	36	38	41	45	41
46	40	26	78	34	58	67	72	68
45	40	26	79	32	64	82	87	84
44	39	27	81	30	67	96	97	96
45	39	27	82	30	69	90	100	101
45	40	28	86	29	69	100	104	104
46	40	29	86	28	70	93	105	105
45	40	28	88	28	70	94	105	105
46	40	28	89	28	70	94	106	106
46	40	29	89	29	71	96	106	105
47	40	29	90	27	70	96	106	106
46	42	29	89	28	70	99	107	106
46	41	29	89	29	70	95	107	105
47	41	29	90	29	66	92	99	99
48	41	29	88	29	65	85	97	96
48	42	27	87	30	65	83	97	94
48	41	28	87	30	65	83	96	94
48	41	29	87	30	65	83	96	95
49	42	29	86	30	66	*	96	94
49	42	29	86	31	65	83	95	93
48	42	30	87	32	57	78	84	83
48	42	29	86	33	55	74	80	77
48	42	27	84	34	54	73	78	75
48	42	30	83	35	53	72	75	74
50	42	31	84	37	46	58	64	66
50	44	35	84	37	36	45	53	54
50	43	40	82	37	33	41	48	47
49	44	45	80	37	32	39	46	44
51	44	46	78	37	32	40	46	43
51	44	47	76	37	32	40	45	42
50	45	47	75	38	32	40	45	43
50	46	47	74	37	33	40	45	43
50	46	46	73	38	33	41	44	43
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
1	0	18	17	18	16	17	18
2	0	38	17	17	17	17	17
3	0	58	17	17	17	16	17
4	1	18	16	17	17	16	17
5	1	39	17	17	17	17	18
6	1	59	16	17	16	17	17
7	2	19	16	17	17	17	18
8	2	39	17	18	17	17	17
9	3	0	17	17	18	18	18
10	3	20	18	18	18	17	19
11	3	40	18	18	18	17	17
12	4	1	17	17	18	17	17
13	4	21	17	17	17	17	18
14	4	41	18	18	17	17	17
15	5	1	17	17	17	17	18
16	5	22	16	17	17	17	17
17	5	42	17	17	16	18	18
18	6	2	17	17	16	17	17
19	6	22	17	18	17	16	18
20	6	43	18	16	17	17	17
21	7	3	17	17	16	17	18
22	7	23	17	17	16	17	17
23	7	44	17	17	17	17	17
24	8	4	17	18	17	17	17
25	8	24	17	17	18	17	19
26	8	44	17	17	17	17	18
27	9	5	17	17	17	17	19
28	9	25	17	17	17	18	17
29	9	46	18	18	17	17	19
30	10	6	17	17	17	17	18
31	10	26	18	17	17	17	18
32	10	46	17	17	18	17	18
33	11	7	17	17	17	17	17
34	11	27	18	17	17	16	18
35	11	47	16	17	16	18	18
36	12	7	17	17	17	17	18
37	12	28	17	18	17	16	18
38	12	48	17	17	17	17	17
39	13	8	17	17	17	17	18
40	13	29	17	17	16	17	17
41	13	49	16	17	16	18	17
42	14	9	17	17	17	16	17
43	14	30	17	17	16	17	18
44	14	50	17	17	17	18	17
45	15	10	17	18	17	17	19

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

7-21	7-22	7-23	7-24	7-25	7-26	7-27	7-28
A.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
RS	GAS GN	GAS	GAS	POWER	POWER	POWER	T5
CSE	TRB	GN TRB	GN TRB	TURB	TURB	TURB	HRNESS
G.5	CSE	CSE	CSE	CASE	CASE	CASE	TEMP
.00	4.00	8.00	12.00	4.00	8.00	12.00	
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
18	16	17	18	16	16	17	16
17	17	17	17	16	17	17	17
17	17	16	17	16	16	17	17
17	17	16	17	16	16	17	17
17	17	17	18	16	16	17	17
17	16	17	17	16	17	17	17
17	17	17	18	17	18	17	17
18	17	17	17	17	16	17	17
17	18	18	18	16	17	17	18
18	18	17	19	17	17	17	17
18	18	17	17	16	17	19	18
17	18	17	17	17	16	18	18
17	17	17	18	17	17	17	18
18	17	17	17	16	16	18	17
17	17	17	18	17	17	17	18
17	17	17	17	16	16	17	17
17	16	18	18	17	16	18	18
17	16	17	17	16	17	17	17
18	17	16	18	16	16	16	17
16	17	17	17	17	17	18	18
17	16	17	18	17	16	17	17
17	16	17	17	16	17	17	17
17	17	17	17	17	17	18	18
18	17	17	17	17	17	17	18
17	18	17	19	17	17	18	17
17	17	17	18	17	17	17	17
17	17	17	19	17	17	18	18
17	17	18	17	16	17	17	18
18	17	17	19	17	16	18	17
17	17	17	18	17	18	18	17
17	17	17	18	17	18	18	17
17	16	17	18	17	16	18	17
17	17	17	17	17	17	18	18
17	17	16	18	17	17	17	18
17	16	18	18	16	17	18	17
17	17	17	18	16	17	18	17
18	17	16	18	17	16	18	18
17	17	17	17	16	16	18	17
17	17	17	18	16	17	17	18
17	16	17	17	16	16	18	15
17	16	18	17	16	16	18	17
17	17	16	17	16	17	17	18
17	16	17	18	16	17	19	17
17	17	18	17	16	17	18	17
18	17	17	19	17	17	18	18

2

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
46	15	31	17	16	16	17	17
47	15	51	18	17	18	18	18
48	16	11	17	17	17	18	18
49	16	31	18	17	17	17	17
50	16	52	17	17	17	17	18
51	17	12	17	17	16	18	17
52	17	32	18	17	17	19	19
53	17	53	17	17	17	17	18
54	18	13	18	17	17	17	18
55	18	33	18	17	17	17	19
56	18	54	17	18	16	18	17
57	19	14	19	18	18	17	18
58	19	34	17	17	17	17	17
59	19	53	17	17	17	17	18
60	20	15	18	17	16	18	18
61	20	35	18	17	17	17	17
62	20	55	17	18	17	17	18
63	21	16	17	18	17	17	18
64	21	36	18	18	16	17	18
65	21	56	18	17	17	17	19
66	22	17	18	17	17	18	19
67	22	37	17	18	17	18	18
68	22	57	17	17	17	18	18
69	23	18	17	18	17	18	18
70	23	38	17	18	17	18	19
71	23	58	18	18	18	17	18
72	24	19	19	17	17	17	18
73	24	39	18	17	17	18	19
74	24	59	18	17	19	18	19
75	25	20	22	21	55	53	52
76	25	40	29	29	104	98	100
77	26	0	32	35	137	129	132
78	26	21	34	38	155	149	151
79	26	41	36	43	167	162	163
80	27	1	37	44	175	170	171
81	27	22	38	45	179	176	175
82	27	42	40	46	205	205	198
83	28	2	52	63	260	258	251
84	28	23	60	80	291	287	281
85	28	43	66	95	302	297	291
86	29	3	69	105	304	302	293
87	29	24	72	110	305	304	296
88	29	44	74	114	305	306	297
89	30	4	74	115	308	308	300
90	30	25	75	117	309	310	302
91	30	45	76	117	308	307	301
92	31	5	76	117	307	307	298
93	31	26	77	117	307	306	296
94	31	46	77	117	307	307	297
95	32	6	76	117	307	306	296

7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 3.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 POWER TURB CASE 8.00 DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
16	16	17	17	17	17	18	18
17	18	18	18	17	17	18	18
17	17	18	18	17	17	18	19
17	17	17	17	18	17	18	19
17	17	17	18	16	17	17	19
17	16	18	17	17	17	19	19
17	17	18	19	1	17	18	19
17	17	17	18	17	17	18	19
17	17	17	18	17	17	18	19
17	17	17	19	17	17	18	19
18	16	18	17	17	17	18	19
18	18	17	18	18	18	18	19
17	17	17	17	17	18	18	19
17	17	17	18	16	17	18	19
17	16	18	18	18	17	17	19
17	17	17	17	16	17	18	19
18	17	17	19	17	18	19	19
18	17	17	18	16	17	17	19
18	16	17	18	17	18	18	20
17	17	17	19	17	17	18	19
17	17	18	19	17	18	18	19
18	17	18	18	17	18	19	19
17	17	18	18	17	17	18	19
18	17	18	18	18	18	19	19
18	17	18	19	17	18	17	20
18	18	17	18	18	17	19	19
17	17	17	18	18	17	19	19
17	17	18	19	17	17	19	20
17	19	18	19	19	19	19	19
21	55	53	52	39	32	37	20
29	104	98	100	82	63	80	21
35	137	129	132	129	102	127	22
38	155	149	151	172	140	161	24
43	167	162	163	213	175	189	26
44	175	170	171	246	207	214	28
45	179	176	175	276	234	235	31
46	205	205	195	302	260	251	34
63	260	256	251	328	282	260	38
80	291	287	281	345	298	271	44
95	302	297	291	359	311	283	51
105	304	302	293	367	323	294	58
110	305	304	296	373	332	304	64
114	305	306	297	374	340	311	71
115	308	308	300	376	345	317	77
117	309	310	302	379	349	323	83
117	308	307	301	379	353	327	88
117	307	307	298	380	356	328	93
117	307	306	296	380	358	330	98
117	307	307	297	380	358	331	101
117	307	306	296	380	360	331	105

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
96	32	27	76	117	307	306	297
97	32	47	76	116	298	298	291
98	33	7	71	110	274	275	268
99	33	28	70	98	272	273	26[illegible]
100	33	48	71	94	269	269	261
101	34	8	69	90	267	268	255
102	34	29	71	90	273	272	261
103	34	49	72	90	273	273	263
104	35	9	72	93	286	284	272
105	35	30	73	97	288	284	278
106	35	50	73	97	280	279	272
107	36	10	73	97	288	286	280
108	36	31	73	100	283	279	276
109	36	51	72	97	277	277	267
110	37	11	72	96	276	277	269
111	37	32	72	94	275	274	269
112	37	52	73	93	277	277	269
113	38	12	72	93	276	274	267
114	38	33	73	94	276	277	269
115	38	53	73	96	285	286	278
116	39	13	73	99	280	279	273
117	39	34	73	97	291	290	281
118	39	54	74	100	283	284	279
119	40	14	73	98	282	281	277
120	40	35	72	98	276	274	272
121	40	55	67	93	265	267	260
122	41	15	70	89	278	279	270
123	41	36	71	96	284	280	280
124	41	56	71	96	273	273	268
125	42	16	73	92	270	272	268
126	42	37	73	90	273	274	265
127	42	57	72	90	279	278	271
128	43	17	74	94	282	281	275
129	43	38	74	96	282	283	278
130	43	58	74	98	282	283	278
131	44	18	75	98	283	283	277
132	44	39	74	98	282	282	277
133	44	59	74	97	281	282	276
134	45	19	74	98	283	283	274
135	45	40	74	98	283	283	276
136	46	0	74	97	283	284	276
137	46	20	74	97	282	282	277
138	46	41	75	98	284	283	276
139	47	1	74	99	284	283	276
140	47	21	74	98	282	282	276
141	47	42	74	98	282	283	277
142	48	2	75	97	282	282	277
143	48	22	74	98	282	283	276
144	48	43	75	98	278	278	274
145	49	3	75	96	275	274	269

7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 POWER TURB CASE 8.00 DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
117	307	306	297	381	360	333	109
116	298	298	291	378	359	332	113
110	274	275	268	365	354	326	116
98	272	273	263	352	346	317	117
94	269	269	261	345	339	313	118
90	267	268	255	342	336	310	119
90	273	272	261	339	333	307	121
90	273	273	263	337	330	306	121
93	286	284	272	341	331	306	121
97	288	284	278	344	333	312	123
97	280	279	272	341	331	310	123
97	286	286	280	344	334	313	125
100	283	279	276	346	333	315	126
97	277	277	267	345	333	312	126
96	276	277	269	342	332	310	127
94	275	274	269	339	331	310	128
93	277	277	269	337	329	307	127
93	276	274	267	336	328	307	127
94	276	277	269	334	329	306	127
96	285	286	278	339	330	310	128
99	280	279	273	339	330	311	129
97	291	290	281	343	332	311	128
100	283	284	279	345	332	312	130
98	282	281	277	340	333	311	129
98	276	274	272	341	331	312	130
93	265	267	260	335	329	307	131
89	278	279	270	334	328	307	130
96	284	280	280	339	331	312	130
96	273	273	268	337	330	310	130
92	270	272	266	333	328	307	130
90	273	274	265	331	327	305	129
90	279	278	271	332	326	305	130
94	282	281	275	334	327	307	130
96	282	283	278	337	329	308	130
98	282	283	278	337	330	310	130
98	283	283	277	339	332	311	131
98	282	282	277	338	331	311	130
97	281	282	276	338	332	310	130
98	283	283	274	337	332	310	131
98	283	283	276	339	332	309	131
97	283	284	276	339	331	310	131
97	282	282	277	339	333	310	132
98	284	283	276	337	333	312	131
99	284	283	276	339	332	310	133
98	282	282	276	339	332	311	132
98	282	283	277	338	332	312	132
97	282	282	277	339	332	312	132
98	282	283	276	339	333	311	133
98	278	278	274	339	333	312	132
96	275	274	269	333	331	307	132

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
146	49	23	75	94	272	274	267
147	49	44	75	92	276	276	272
148	50	4	76	97	323	319	316
149	50	24	84	111	366	360	363
150	50	45	90	123	394	387	389
151	51	5	95	132	403	393	396
152	51	25	97	137	407	399	401
153	51	46	100	140	409	400	403
154	52	6	101	142	408	401	404
155	52	26	102	144	410	402	404
156	52	47	102	144	409	404	405
157	53	7	103	144	409	403	404
158	53	27	103	145	410	404	405
159	53	48	103	145	402	396	397
160	54	8	102	144	395	390	391
161	54	28	99	143	374	373	372
162	54	48	96	141	356	357	354
163	55	9	95	139	348	349	347
164	55	29	92	137	345	346	346
165	55	50	92	136	346	347	345
166	56	10	91	135	346	346	346
167	56	30	91	136	344	344	345
168	56	51	92	134	345	345	345
169	57	11	91	132	347	345	344
170	57	31	91	132	345	343	342
171	57	51	87	129	310	313	302
172	58	12	85	116	295	300	283
173	58	32	82	108	291	294	278
174	58	52	81	104	290	291	276
175	59	13	81	102	289	290	276
176	59	33	81	101	288	290	275
177	59	53	79	101	289	289	274
178	60	14	80	100	287	289	275
179	60	34	79	100	286	287	276
180	60	55	79	99	285	288	275
181	61	16	79	99	286	287	273
182	61	36	79	98	287	288	273
183	61	56	79	99	287	290	276
184	62	17	78	98	286	289	275
185	*	*	*	*	*	*	*
186	62	53	78	97	286	287	275
187	63	13	78	98	285	286	274
188	63	34	77	98	284	286	273
189	63	54	77	96	286	286	274
190	64	14	76	98	286	286	274
191	64	35	77	98	286	287	273
192	64	55	77	97	299	299	291
193	65	15	79	106	330	325	324
194	65	36	83	116	337	332	333
195	65	56	83	122	336	334	334

7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 POWER TURB CASE 8.00 DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
94	272	274	267	330	329	305	132
92	276	276	272	331	328	305	133
97	323	319	316	349	333	313	132
111	366	360	363	396	350	343	134
123	394	387	389	440	376	376	137
132	403	393	396	476	399	402	139
137	407	399	401	501	419	420	143
140	409	400	403	519	432	434	144
142	408	401	404	532	441	444	146
144	410	402	404	539	447	452	149
144	409	404	405	544	452	456	151
144	409	403	404	546	455	458	153
145	410	404	405	550	456	463	155
145	402	396	397	548	456	463	158
144	395	390	391	538	454	454	160
143	374	373	372	524	446	441	161
141	356	357	354	498	436	427	161
139	348	349	347	476	425	417	161
137	345	346	346	464	417	406	161
136	346	347	345	456	410	401	161
135	346	346	346	449	406	396	161
136	344	344	345	442	403	392	161
134	345	345	345	439	401	390	161
132	347	345	344	439	399	387	161
132	345	343	342	437	397	386	160
129	310	313	302	423	390	374	161
116	295	300	283	403	380	358	159
108	291	294	278	387	371	348	156
104	290	291	276	377	362	337	155
102	289	290	276	368	355	333	154
101	288	290	275	363	350	327	151
101	289	289	274	360	346	324	150
100	287	289	275	356	344	321	147
100	286	287	276	354	340	320	146
99	285	288	275	353	339	317	145
99	286	287	273	352	337	316	145
98	287	288	273	352	337	313	143
99	287	290	276	352	335	313	141
98	286	289	275	351	334	313	140
*	*	*	*	*	*	*	*
97	286	287	275	349	333	312	138
98	285	286	274	348	332	310	138
98	284	286	273	349	331	311	137
96	286	286	274	348	330	310	137
98	286	286	274	347	330	311	136
98	286	287	273	348	331	310	135
97	299	299	291	351	331	314	135
106	330	325	324	373	339	328	134
116	337	332	333	391	352	342	136
122	336	334	334	403	361	350	137

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
196	66	16	84	125	330	326	330
197	66	37	72	117	295	297	294
198	66	57	58	96	284	297	281
199	67	17	49	77	279	292	272
200	67	38	47	69	272	286	263
201	67	58	43	61	264	277	253
202	*	*	*	*	*	*	*
203	68	34	40	53	250	263	236
204	68	54	39	50	213	228	208
205	69	14	39	48	193	208	193
206	69	35	55	61	293	289	286
207	69	55	71	89	348	342	341
208	70	15	84	112	383	373	378
209	70	36	90	125	390	381	387
210	70	56	93	132	392	385	389
211	71	16	96	137	394	387	390
212	71	37	97	138	396	388	392
213	71	57	98	140	397	389	391
214	72	17	99	141	399	390	392
215	72	37	99	141	398	391	391
216	72	58	99	141	396	390	393
217	73	18	98	142	391	390	388
218	73	39	96	141	358	362	358
219	74	0	92	138	346	350	345
220	74	20	90	135	344	346	342
221	74	41	89	134	342	344	342
222	75	1	89	133	341	344	345
223	75	22	88	132	343	344	345
224	75	42	90	132	343	345	345
225	76	2	87	129	309	316	303
226	76	23	84	118	291	298	282
227	76	43	82	107	285	290	274
228	77	3	80	102	280	284	270
229	77	23	72	96	264	267	257
230	77	44	61	83	262	271	254
231	78	4	51	71	262	272	250
232	78	24	48	63	260	271	247
233	78	45	46	58	259	267	244
234	79	5	45	55	257	263	241
235	79	25	45	54	254	260	239
236	79	46	45	53	253	257	236
237	80	6	44	52	250	254	234
238	*	*	*	*	*	*	*

7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 POWER TURB CASE 8.00 DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
125	330	326	330	407	365	360	140
117	295	297	294	395	360	355	139
96	284	297	281	371	349	332	136
77	279	292	272	344	332	307	136
69	272	286	263	321	314	286	133
61	264	277	253	300	300	268	131
*	*	*	*	*	*	*	*
53	250	263	236	271	278	242	128
50	213	228	208	261	267	237	125
48	193	208	193	271	267	244	123
61	293	289	286	305	278	266	122
89	348	342	341	347	300	300	121
112	383	373	378	394	333	339	124
125	390	381	387	436	364	369	126
132	392	385	389	468	388	389	129
137	394	387	390	487	405	404	134
138	396	388	392	501	418	415	134
140	397	389	391	511	428	422	137
141	399	390	392	520	434	429	138
141	398	391	391	525	439	432	141
141	396	390	393	527	442	437	144
142	391	390	388	528	444	436	146
141	358	362	358	506	437	428	148
138	346	350	345	482	428	415	150
135	344	346	342	464	419	405	151
134	342	344	342	454	412	399	152
133	341	344	345	449	407	396	153
132	343	344	345	446	404	395	153
132	343	345	345	443	401	392	155
129	309	316	303	426	394	379	154
118	291	298	282	405	383	361	151
107	285	290	274	386	371	347	152
102	280	284	270	372	361	337	150
96	264	267	257	367	352	337	149
83	262	271	254	356	341	329	146
71	262	272	250	340	325	308	145
63	260	271	247	326	311	293	143
58	259	267	244	312	300	284	141
55	257	263	241	301	290	276	139
54	254	260	239	293	284	272	137
53	253	257	236	286	278	268	136
52	250	254	234	279	273	265	134
*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C
1	17	0	17	17	17	17	17
2	0	40	17	17	17	17	18
3	1	0	17	17	17	17	18
4	1	21	17	17	18	17	17
5	1	41	17	18	18	18	17
6	2	1	18	17	17	17	18
7	2	22	17	17	18	19	18
8	2	42	18	17	17	18	17
9	3	2	19	18	18	19	18
10	3	22	19	18	17	19	19
11	3	43	18	18	18	19	19
12	4	3	18	19	17	18	19
13	4	23	18	17	18	18	17
14	4	43	18	18	18	18	18
15	5	4	17	18	18	18	18
16	5	24	18	17	18	18	18
17	5	44	18	20	19	17	18
18	6	5	19	18	17	17	18
19	6	25	17	17	18	18	17
20	6	45	18	17	17	18	18
21	7	5	18	17	19	18	18
22	7	26	18	18	17	17	18
23	7	46	17	17	17	17	18
24	8	6	17	17	18	18	17
25	8	27	18	18	18	18	17
26	8	47	17	18	17	17	18
27	9	7	17	17	18	18	17
28	9	27	18	17	19	18	17
29	9	48	19	17	17	17	18
30	10	8	19	17	17	17	18
31	10	28	18	19	18	17	18
32	10	49	18	18	18	17	18
33	11	9	17	17	18	18	17
34	11	29	17	19	18	17	17
35	11	50	17	18	18	17	18
36	12	10	18	17	17	18	18
37	12	30	18	17	18	18	18
38	12	50	17	18	18	18	17
39	13	11	18	17	18	18	18
40	13	31	17	18	18	18	17
41	13	51	17	18	19	17	17
42	14	12	17	18	18	18	18
43	14	32	17	17	18	18	17
44	14	52	18	18	18	17	19
45	15	13	18	18	18	18	17

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C	8-1 ENG. COMPR CS STG. 3.0 DEG.
17	17	17	17	18	18	17	17	17
17	17	17	18	18	17	17	18	17
17	17	17	18	17	18	18	17	17
17	18	17	17	18	17	18	18	17
18	18	18	17	17	18	17	18	17
17	17	17	18	18	17	18	18	17
17	18	19	18	18	18	18	18	18
17	17	18	17	18	18	18	19	18
18	18	19	18	17	18	19	18	17
18	17	19	19	17	18	19	18	18
18	18	19	19	19	18	19	17	18
19	17	18	19	18	18	19	18	18
17	18	18	17	18	18	19	17	18
18	18	18	18	17	18	18	17	18
18	18	18	18	18	17	19	18	19
17	18	18	18	17	19	18	18	18
20	19	17	18	18	18	18	18	18
18	17	17	18	18	18	19	18	17
17	18	18	17	17	18	17	17	18
17	17	18	18	17	17	18	17	17
17	19	18	18	18	17	19	18	18
18	17	17	18	18	17	18	18	17
17	17	17	18	18	18	18	17	18
17	18	18	17	17	17	19	17	17
18	18	18	17	18	17	18	18	18
18	17	17	18	17	18	18	17	18
17	18	18	17	17	18	19	17	19
17	19	18	17	17	17	18	17	18
17	17	17	18	18	18	18	19	18
17	17	17	18	18	18	18	18	17
19	18	17	18	18	17	19	18	18
18	18	17	18	18	17	18	18	17
17	18	18	17	17	19	19	19	18
19	18	17	17	17	18	19	17	17
18	18	17	18	19	17	17	17	17
17	17	18	18	18	18	19	18	19
17	18	18	18	18	17	17	18	18
18	18	18	17	18	18	18	17	18
17	18	18	18	18	17	19	18	18
18	18	18	17	17	18	18	17	17
18	19	17	17	18	18	18	18	18
18	18	18	18	17	17	18	17	17
17	18	18	17	17	17	18	17	18
18	18	17	19	18	18	17	18	18
18	18	18	17	18	18	19	17	18

-01 SHEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C
46	15	33	18	17	19	17	17
47	15	53	19	17	19	17	17
48	16	14	17	18	18	18	18
49	16	34	18	18	18	18	17
50	16	54	19	17	18	17	18
51	17	14	17	18	18	18	17
52	17	35	18	18	18	19	18
53	17	55	19	18	19	18	18
54	18	15	18	18	19	17	18
55	18	36	19	18	18	17	18
56	18	56	18	18	19	18	18
57	19	16	18	18	19	18	17
58	19	37	18	17	19	18	18
59	19	57	18	18	18	19	17
60	20	17	17	17	19	17	17
61	20	38	18	18	17	18	18
62	20	58	17	18	18	19	19
63	21	18	18	17	18	18	18
64	21	38	18	19	18	18	17
65	21	59	19	19	19	17	17
66	22	19	18	18	19	18	17
67	22	39	18	17	18	17	18
68	23	0	18	18	19	17	18
69	23	20	17	18	19	18	18
70	23	40	18	18	18	17	17
71	24	1	19	18	19	18	17
72	24	21	19	18	19	19	19
73	24	41	18	18	19	17	18
74	25	2	19	18	19	18	18
75	25	22	17	17	18	19	19
76	25	42	18	18	17	18	18
77	26	3	18	17	18	18	18
78	26	23	18	18	17	18	17
79	26	43	18	19	18	19	19
80	27	4	19	17	19	19	18
81	27	24	18	17	19	17	18
82	27	44	17	19	17	17	18
83	28	5	18	18	19	17	18
84	28	25	18	18	19	17	18
85	28	45	19	18	19	17	18
86	29	6	18	18	19	18	19
87	29	26	18	18	19	18	17
88	29	46	19	19	19	18	18
89	30	7	20	19	19	19	18
90	30	27	19	19	20	24	20
91	30	47	19	19	22	29	20
92	31	8	19	20	22	33	23
93	31	28	20	19	24	37	24
94	31	48	20	19	24	39	25
95	32	9	20	20	24	43	25

8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C
17	19	17	17	18	18	17	18	17
17	19	17	17	17	18	19	18	18
18	18	18	18	17	17	19	18	18
18	18	18	17	18	18	18	19	18
17	18	17	18	18	18	18	18	17
18	18	18	17	18	18	17	17	18
18	18	19	18	18	17	19	18	17
18	19	18	18	18	17	18	18	18
18	19	17	18	18	17	18	18	18
18	18	17	18	18	19	17	17	17
18	19	18	18	18	19	17	19	18
18	19	18	17	17	19	18	17	17
17	19	18	18	18	18	19	17	17
18	18	19	17	18	18	18	18	17
17	19	17	17	17	18	18	18	17
18	17	18	18	18	18	18	18	18
18	18	19	19	17	17	19	17	18
17	18	18	18	18	18	18	18	18
19	18	18	17	19	18	18	17	18
19	19	17	17	18	19	19	17	17
18	19	18	17	19	18	19	17	18
17	18	17	18	18	17	18	18	17
18	19	17	18	18	18	19	17	18
18	19	18	18	18	18	19	18	18
18	18	17	17	18	18	18	18	18
18	19	18	17	18	18	19	17	18
18	19	19	19	17	19	19	16	18
18	19	17	18	18	17	19	18	18
18	19	18	18	18	17	19	18	17
17	18	19	19	18	17	19	18	19
18	17	18	18	18	18	19	19	17
17	18	18	18	18	19	18	18	18
18	17	18	17	18	18	18	17	17
19	18	19	19	18	17	19	18	17
17	19	19	18	19	17	19	18	17
17	19	17	18	17	18	19	18	18
19	17	17	18	19	18	19	18	18
18	19	17	18	18	17	18	18	18
18	19	17	18	19	18	17	17	18
18	19	17	19	19	18	19	18	18
18	19	18	19	19	19	21	19	17
18	19	18	17	19	18	19	19	18
19	19	18	18	18	18	20	19	20
19	20	24	20	25	32	33	21	31
19	22	29	20	26	34	36	24	37
20	22	33	23	29	34	35	27	38
19	24	37	24	28	35	36	30	39
19	24	39	25	29	34	36	30	40
20	24	43	25	30	37	42	32	46

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C
96	32	29	21	20	26	46	27
97	32	49	20	20	27	49	28
98	33	10	21	20	29	53	27
99	33	30	21	20	29	58	27
100	33	50	22	21	30	61	29
101	34	11	22	22	30	64	29
102	34	31	25	23	31	66	29
103	34	51	24	23	30	68	30
104	35	12	25	23	29	70	32
105	35	32	26	23	29	71	31
106	35	52	26	25	30	72	32
107	36	13	27	24	30	73	33
108	36	33	28	25	29	74	32
109	36	53	29	24	31	74	33
110	37	14	29	26	31	75	33
111	37	34	28	25	30	77	33
112	37	54	29	26	31	77	32
113	38	15	29	26	31	78	33
114	38	35	29	27	32	78	33
115	38	55	30	27	31	78	34
116	39	16	32	27	32	78	33
117	39	36	31	26	30	79	35
118	39	56	31	27	31	80	34
119	40	17	32	27	30	79	33
120	40	37	32	29	31	80	33
121	40	57	32	28	32	80	32
122	41	10	32	29	34	81	33
123	41	38	33	29	32	81	33
124	41	58	33	29	32	82	33
125	42	19	34	29	33	82	34
126	42	39	35	31	33	82	34
127	42	59	35	31	32	82	35
128	43	20	34	30	32	82	34
129	43	40	36	30	32	82	33
130	44	0	35	32	32	83	34
131	44	21	35	31	33	83	35
132	44	41	35	31	32	83	35
133	45	1	36	30	32	83	36
134	45	22	36	31	33	83	35
135	45	42	37	31	33	83	35
136	46	2	36	31	32	82	36
137	46	23	37	32	32	83	36
138	46	43	37	31	32	83	36
139	47	3	38	32	32	83	36
140	47	24	37	32	32	82	36
141	47	44	38	32	33	83	36
142	48	4	38	31	33	83	37
143	48	25	38	32	32	82	37
144	48	45	38	32	33	84	37
145	49	5	39	32	33	84	35

8-07 ENG.2 IGNIT CITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C
20	26	46	27	31	46	47	35	55
20	27	49	28	35	48	57	38	68
20	29	53	27	40	53	63	42	79
20	29	58	27	39	49	59	44	80
21	30	61	29	35	48	56	46	75
22	30	64	29	37	49	56	48	77
23	31	66	29	37	49	55	48	75
23	30	68	30	35	48	53	49	74
23	29	70	32	35	44	48	48	63
23	29	71	31	36	47	53	46	67
25	30	72	32	36	46	51	48	69
24	30	73	33	33	45	47	47	61
25	29	74	32	36	48	54	47	67
24	31	74	33	40	49	57	48	74
26	31	75	33	39	51	60	48	78
25	30	77	33	39	49	54	50	74
26	31	77	32	39	49	56	49	75
26	31	78	33	38	49	55	50	74
27	32	78	33	39	47	51	51	71
27	31	78	34	37	46	48	49	64
27	32	78	33	38	49	55	49	73
26	30	79	35	38	48	51	48	68
27	31	80	34	40	52	61	49	78
27	30	79	33	42	51	63	50	82
29	31	80	33	42	53	65	53	84
28	32	80	32	44	53	64	53	85
29	34	81	33	41	48	59	53	81
29	32	81	33	39	49	56	51	74
29	32	82	33	42	51	59	50	80
29	33	82	34	41	51	59	51	80
31	33	82	34	40	51	58	52	76
31	32	82	35	40	50	58	53	79
30	32	82	34	41	51	56	51	79
30	32	82	33	41	50	59	54	80
32	32	83	34	40	51	58	53	80
31	33	83	35	40	50	58	54	80
31	32	83	35	41	50	58	55	80
30	32	83	36	41	51	58	53	80
31	33	83	35	39	49	58	54	80
31	33	83	35	39	50	59	54	80
31	32	82	36	43	51	59	53	79
32	32	83	36	41	50	58	55	80
31	32	83	36	41	51	59	53	80
32	32	83	36	41	51	58	52	79
32	32	82	36	42	50	60	53	80
32	33	83	36	40	51	58	53	80
31	33	83	37	41	51	58	53	80
32	32	82	37	42	51	59	53	80
32	33	84	37	43	51	62	53	82
32	33	84	35	42	53	61	54	83

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C
146	49	26	39	32	33	84	36
147	49	46	38	32	33	83	34
148	50	6	38	32	33	82	32
149	50	27	40	32	34	83	28
150	50	47	40	32	37	84	27
151	51	7	40	32	37	86	26
152	51	28	42	32	37	87	25
153	51	48	42	33	38	89	25
154	52	8	44	33	39	90	25
155	52	29	44	34	41	89	25
156	52	49	45	35	39	92	25
157	53	9	46	35	40	89	25
158	53	30	46	36	40	90	25
159	53	50	48	35	41	90	25
160	54	10	48	37	41	90	25
161	54	31	49	37	41	90	26
162	54	51	48	38	39	89	27
163	55	11	48	37	39	89	29
164	55	32	48	37	39	88	28
165	55	52	49	37	39	87	29
166	56	12	49	37	39	86	28
167	56	33	49	38	38	87	29
168	56	53	49	37	38	87	28
169	57	13	49	37	37	86	29
170	57	34	48	38	38	87	29
171	57	54	49	39	37	87	30
172	58	14	48	39	38	87	32
173	58	34	48	38	37	87	32
174	58	55	48	39	37	87	32
175	59	15	48	40	38	87	33
176	59	36	48	39	37	87	33
177	59	56	49	40	37	87	34
178	60	16	48	40	36	87	34
179	60	37	48	40	36	86	34
180	60	58	48	39	36	87	34
181	61	18	47	40	37	87	35
182	61	38	49	40	36	86	35
183	61	59	48	40	36	87	35
184	62	20	48	40	35	86	34
185	*	*	*	*	*	*	*
186	62	55	48	39	35	86	35
187	63	16	47	39	35	87	35
188	63	36	49	39	35	86	35
189	63	56	47	39	35	85	34
190	64	17	47	39	35	85	35
191	64	37	47	39	35	85	34
192	64	57	47	38	33	85	33
193	65	18	47	37	34	85	31
194	65	38	47	37	34	86	31
195	65	58	46	37	35	86	31

8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C
33	84	36	41	53	62	55	83
33	83	34	40	54	64	55	84
33	82	32	46	63	77	59	94
34	83	28	47	67	82	59	102
37	84	27	50	69	88	64	109
37	86	26	46	73	88	64	111
37	87	25	53	71	90	66	113
38	89	25	52	74	90	70	113
39	90	25	53	74	92	72	115
41	89	25	52	74	92	73	115
39	92	25	53	75	93	75	118
40	89	25	52	76	93	74	116
40	90	25	55	77	94	75	116
41	90	25	53	74	91	75	117
41	90	25	54	75	90	75	114
41	90	26	53	70	84	74	110
39	89	27	54	68	82	73	105
39	89	29	54	69	83	73	104
39	88	28	52	68	81	70	102
39	87	29	55	68	82	69	103
39	86	28	53	67	82	70	103
38	87	29	51	67	81	70	102
38	87	28	52	66	82	69	101
37	86	29	53	67	80	68	101
38	87	29	50	66	78	68	101
37	87	30	48	59	67	66	93
38	87	32	46	58	66	64	91
37	87	32	48	60	67	62	90
37	87	32	46	59	65	61	91
36	87	33	47	56	65	59	88
37	87	33	46	57	64	60	88
37	87	34	44	56	65	59	88
36	87	34	44	56	65	59	87
36	86	34	46	56	64	58	88
36	87	34	45	56	64	59	88
37	87	35	45	56	65	59	88
36	86	35	46	56	65	58	88
36	87	35	47	56	66	58	88
35	86	34	45	56	64	58	87
*	*	*	*	*	*	*	*
35	86	35	44	56	64	58	87
35	87	35	44	55	63	58	86
35	86	35	43	55	63	58	86
35	85	34	45	55	64	58	86
35	85	35	43	54	63	58	85
35	85	34	44	55	64	57	85
33	85	33	46	59	70	58	88
34	85	31	48	62	76	61	93
34	86	31	43	64	77	61	96
35	86	31	49	64	78	64	97

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C
196	66	19	48	37	35	86	30
197	66	39	47	38	37	87	27
198	66	59	48	37	37	87	26
199	67	20	48	38	37	88	26
200	67	40	49	38	38	90	27
201	68	0	49	39	38	89	27
202	*	*	*	*	*	*	*
203	68	36	48	39	37	90	27
204	68	56	49	38	37	89	27
205	69	17	49	38	38	88	26
206	69	37	50	38	36	89	27
207	69	57	50	38	40	89	30
208	70	18	51	39	43	87	31
209	70	38	50	38	50	85	32
210	70	58	50	37	57	83	33
211	71	19	48	37	54	81	33
212	71	39	48	37	52	79	33
213	71	59	48	37	47	77	33
214	72	20	48	37	33	78	32
215	72	40	48	36	32	80	33
216	73	0	47	37	32	81	34
217	73	21	47	37	32	80	35
218	73	42	45	37	35	80	32
219	74	2	46	37	36	84	30
220	74	23	46	37	37	82	30
221	74	43	47	36	37	85	29
222	75	4	47	37	37	84	29
223	75	24	46	37	37	85	29
224	75	44	48	36	37	87	29
225	76	5	47	38	37	87	31
226	76	25	47	40	37	87	31
227	76	45	48	40	37	87	32
228	77	6	47	40	36	87	32
229	77	26	47	39	42	88	35
230	77	46	47	40	46	86	35
231	78	7	48	40	53	84	36
232	78	27	48	40	59	83	36
233	78	47	48	40	58	81	37
234	79	8	48	40	58	80	36
235	79	28	47	40	55	79	37
236	79	48	48	41	54	78	37
237	80	7	48	41	53	76	37
238	*	*	*	*	*	*	*

8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C
37	35	86	30	50	66	82	64	100
38	37	87	27	48	69	86	68	107
37	37	87	26	52	69	87	69	110
38	37	88	26	51	69	84	70	108
38	38	90	27	51	69	84	71	108
39	38	89	27	52	69	84	72	108
*	*	*	*	*	*	*	*	*
39	37	90	27	50	69	84	71	108
38	37	89	27	52	70	84	71	108
38	38	88	26	53	69	83	72	107
38	38	89	27	50	65	80	69	102
38	40	89	30	46	53	59	67	88
39	43	87	31	40	40	43	61	62
38	50	85	32	35	36	39	54	52
37	57	83	33	34	36	38	49	49
37	54	81	33	33	36	39	46	48
37	52	79	33	34	36	38	44	47
37	47	77	33	32	35	35	43	46
37	33	78	32	32	35	35	41	41
36	32	80	33	35	39	40	41	44
37	32	81	34	35	42	44	41	46
37	32	80	35	38	53	58	43	64
37	35	80	32	47	63	76	50	90
37	36	84	30	49	64	79	58	96
37	37	82	30	48	64	80	61	98
36	37	85	29	49	65	80	63	100
37	37	84	29	49	66	80	64	100
37	37	85	29	48	65	80	64	100
36	37	87	29	50	66	81	66	100
38	37	87	31	48	59	68	64	94
40	37	87	31	45	58	67	64	91
40	37	87	32	47	58	66	62	90
40	36	87	32	46	58	65	60	89
39	42	88	35	43	44	47	58	66
40	48	86	35	37	38	41	53	54
40	53	84	36	35	37	40	49	50
40	59	83	36	35	38	40	48	49
40	58	81	37	35	38	40	47	49
40	58	80	36	35	38	40	46	48
40	55	79	37	36	38	40	45	48
41	54	78	37	36	38	40	45	48
41	53	76	37	36	39	40	44	48
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C
1	17	0	17	17	17	17	19
2	0	40	17	18	17	18	18
3	1	0	18	18	18	18	18
4	1	21	17	18	18	17	18
5	1	41	18	18	18	17	18
6	2	1	18	18	17	18	18
7	2	22	18	17	18	18	18
8	2	42	18	18	18	17	17
9	3	2	18	18	18	17	18
10	3	22	18	18	19	17	19
11	3	43	17	19	19	18	18
12	4	3	18	18	17	18	18
13	4	23	18	18	18	17	17
14	4	43	18	19	18	18	17
15	5	4	18	17	18	18	17
16	5	24	18	18	19	19	17
17	5	44	18	18	19	19	19
18	6	5	19	19	18	17	17
19	6	25	17	17	18	17	18
20	6	45	17	18	18	18	17
21	7	5	18	19	18	18	17
22	7	26	17	*	17	18	18
23	7	46	17	19	17	17	17
24	8	6	19	19	19	18	18
25	8	27	19	17	18	17	17
26	8	47	18	18	18	18	17
27	9	7	18	18	18	18	17
28	9	27	18	18	18	18	17
29	9	48	18	17	18	17	18
30	10	8	18	19	18	17	17
31	10	28	19	17	19	17	18
32	10	49	18	18	18	17	17
33	11	9	19	17	18	17	17
34	11	29	18	18	18	18	17
35	11	50	18	17	18	17	17
36	12	10	18	17	18	19	18
37	12	30	19	18	18	18	17
38	12	50	18	17	18	17	17
39	13	11	18	18	18	17	18
40	13	31	19	18	17	18	17
41	13	51	17	18	18	18	17
42	14	12	18	18	18	17	18
43	14	32	19	18	18	18	17
44	14	52	17	19	18	17	18
45	15	13	18	18	18	17	17

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

8-17 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 GAS GN TURB CASE 8.00 DEG.C	8-24 ENG.2 GAS GN TURB CASE 12.00 DEG.C	8-25 ENG.2 POWER TURB CASE 4.00 DEG.C	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C
17	17	17	19	17	17	17	16	17
18	17	18	18	17	17	18	17	17
18	18	18	18	17	17	17	16	16
18	18	17	18	17	17	17	16	16
18	18	17	18	17	17	19	16	17
18	17	18	18	17	17	18	17	16
17	18	18	18	18	17	17	17	17
18	18	17	17	18	17	19	17	17
18	18	17	18	17	18	18	18	17
18	19	17	19	18	18	19	18	16
19	19	18	18	18	18	18	16	17
18	17	18	18	18	17	19	17	17
18	18	17	17	18	18	17	16	16
19	18	18	17	17	17	17	16	16
17	18	18	17	17	17	18	18	17
18	19	19	17	18	17	17	16	17
18	19	19	19	17	17	19	18	17
19	18	17	17	17	17	18	17	17
17	18	17	18	17	17	17	17	16
18	18	18	17	17	18	18	17	16
19	18	18	17	17	18	19	17	17
*	17	18	18	17	17	18	17	16
19	17	17	17	18	17	17	17	16
19	19	18	18	17	18	18	17	16
17	18	17	17	18	17	17	17	16
18	18	18	17	18	17	17	16	17
18	18	18	17	17	17	19	17	17
18	18	18	17	18	17	18	17	16
17	18	17	18	18	18	19	17	16
19	18	17	17	17	17	17	16	17
17	19	17	18	18	18	17	16	17
18	18	17	17	18	17	19	17	17
17	18	17	17	17	17	18	17	16
18	18	18	17	17	18	18	17	17
17	18	17	17	18	17	17	16	17
17	18	19	18	17	17	17	17	17
18	18	18	17	18	17	17	16	17
17	18	17	17	18	17	19	17	17
18	18	17	18	17	17	19	17	17
18	17	18	17	17	17	18	17	16
18	18	18	17	16	18	17	17	16
18	18	17	18	17	17	19	18	17
18	18	18	17	17	18	18	17	16
19	18	17	18	18	17	18	17	16
18	18	17	17	17	17	17	16	16

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C
46	15	33	18	19	18	17	17
47	15	53	19	18	18	18	18
48	16	14	19	18	19	18	17
49	16	34	19	18	18	17	17
50	16	54	18	18	17	18	18
51	17	14	19	18	18	18	17
52	17	35	19	18	17	18	18
53	17	55	19	19	19	18	17
54	18	15	18	19	18	17	18
55	18	36	18	17	18	17	18
56	18	56	17	18	19	17	18
57	19	16	18	18	17	17	18
58	19	37	18	18	18	17	18
59	19	57	19	19	18	19	18
60	20	17	18	18	18	17	17
61	20	38	18	18	17	17	18
62	20	58	18	19	17	18	17
63	21	18	18	19	18	17	17
64	21	38	17	18	18	19	18
65	21	59	19	18	19	17	18
66	22	19	17	19	18	17	18
67	22	39	19	19	18	17	18
68	23	0	18	19	18	17	17
69	23	20	18	19	19	18	18
70	23	40	19	19	19	18	19
71	24	1	18	19	19	18	18
72	24	21	19	17	18	17	17
73	24	41	18	19	18	18	17
74	25	2	19	19	18	17	18
75	25	22	18	18	19	17	18
76	25	42	19	19	19	18	18
77	26	3	19	18	19	18	17
78	26	23	18	17	18	17	17
79	26	43	18	18	19	17	17
80	27	4	19	19	18	18	17
81	27	24	18	19	19	17	18
82	27	44	18	18	18	18	17
83	28	5	19	17	18	19	17
84	28	25	18	18	19	18	18
85	28	45	19	19	19	18	18
86	29	6	18	19	19	19	18
87	29	26	18	19	19	17	17
88	29	46	20	19	19	19	19
89	30	7	21	20	20	19	19
90	30	27	32	34	21	22	24
91	30	47	36	38	29	28	32
92	31	8	38	39	34	32	38
93	31	28	39	40	37	36	40
94	31	48	39	41	39	38	42
95	32	9	45	47	41	40	44

-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25	8-26
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	GAS GN	GAS GN	GAS GN	POWER	POWER
CSE	CSE	CSE	CSE	TURB	TURB	TURB	TURB	TURB
G.4	STG.5	STG.5	STG.5	CASE	CASE	CASE	CASE	CASE
.00	3.00	4.30	6.00	4.00	8.00	12.00	4.00	8.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
19	18	17	17	17	18	18	17	16
18	18	18	18	18	18	18	17	16
18	19	18	17	17	18	19	18	16
18	18	17	17	17	18	17	17	17
18	17	18	18	17	17	19	18	17
18	18	18	17	18	18	17	16	18
18	17	18	18	18	17	19	17	18
19	19	18	17	18	17	19	17	17
19	18	17	18	17	17	18	17	17
17	18	17	18	18	18	19	18	16
18	19	17	18	17	18	19	17	16
18	17	17	18	17	17	17	18	17
18	18	17	18	17	17	18	17	17
19	18	19	18	17	17	18	17	16
18	18	17	17	17	16	18	18	17
18	17	17	18	18	17	18	17	17
19	17	18	17	17	17	18	16	18
19	18	17	17	17	17	18	17	17
18	18	19	18	17	17	18	18	17
18	19	17	18	17	16	18	17	17
19	18	17	18	17	17	18	18	17
19	18	17	18	17	17	17	17	17
19	18	17	17	19	18	19	17	18
19	19	18	18	17	19	18	16	17
19	19	18	19	17	18	18	17	17
19	19	18	18	18	17	18	18	17
17	18	17	17	18	17	18	17	17
18	18	18	17	18	17	18	17	18
19	18	17	18	17	17	18	16	18
18	19	17	18	18	17	17	17	16
19	19	18	18	18	18	19	17	17
18	19	17	17	19	18	19	18	17
18	19	17	17	18	17	19	17	17
18	18	18	17	18	17	18	17	17
19	17	18	17	18	17	18	16	18
18	18	17	17	17	17	18	17	17
19	18	18	17	17	17	18	18	17
19	19	18	18	18	17	19	18	17
19	17	17	17	18	18	18	18	17
19	19	19	19	18	18	20	17	17
20	19	19	21	20	21	18	18	18
21	22	24	57	55	54	45	19	19
29	28	32	103	101	102	91	29	56
34	32	38	136	134	135	141	92	
37	36	40	156	156	157	186	130	
39	38	42	168	171	171	226	165	
41	40	44	189	192	191	259	175	

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C
96	32	29	53	57	48	45	55
97	32	49	64	67	57	57	68
98	33	10	72	78	73	70	88
99	33	30	70	74	82	80	96
100	33	50	65	69	82	81	93
101	34	11	66	70	81	80	90
102	34	31	64	70	80	79	87
103	34	51	63	68	80	79	88
104	35	12	60	59	76	75	78
105	35	32	63	64	71	72	74
106	35	52	63	64	73	73	80
107	36	13	58	58	71	71	74
108	36	33	61	64	69	69	73
109	36	53	66	68	75	73	78
110	37	14	67	72	78	78	85
111	37	34	65	68	79	80	87
112	37	54	66	70	80	82	86
113	38	15	66	68	80	80	85
114	38	35	64	66	80	81	84
115	38	55	59	60	75	76	77
116	39	16	64	67	75	75	81
117	39	36	63	63	73	74	77
118	39	56	69	73	77	76	84
119	40	17	71	75	82	80	93
120	40	37	75	79	87	84	99
121	40	57	77	80	93	92	106
122	41	18	70	71	93	92	104
123	41	38	67	69	85	86	92
124	41	58	71	72	85	84	91
125	42	19	69	72	84	87	92
126	42	39	67	69	83	84	88
127	42	59	69	72	83	83	88
128	43	20	68	72	83	84	88
129	43	40	70	72	83	84	90
130	44	0	69	72	84	83	89
131	44	21	68	71	83	82	90
132	44	41	69	72	84	83	90
133	45	1	69	71	83	83	90
134	45	22	69	71	82	82	90
135	45	42	67	72	83	80	90
136	46	2	69	72	84	84	91
137	46	23	68	72	83	82	89
138	46	43	69	71	83	84	90
139	47	3	71	73	84	85	89
140	47	24	69	72	84	85	89
141	47	44	69	72	83	83	91
142	48	4	69	73	83	84	89
143	48	25	70	73	83	86	90
144	48	45	73	75	85	85	93
145	49	5	72	74	86	85	97

8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25	8-26
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	GAS GN	GAS GN	GAS GN	POWER	POWER
CSE	CSE	CSE	CSE	TURB	TURB	TURB	TURB	TURB
G.4	STG.5	STG.5	STG.5	CASE	CASE	CASE	CASE	CASE
.00	3.00	4.30	6.00	4.00	3.00	12.00	4.00	8.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
57	48	45	55	216	216	216	277	220
67	57	57	68	244	245	247	290	237
78	73	70	88	275	282	281	310	254
74	82	80	96	274	285	281	321	267
69	82	81	93	264	278	271	323	274
70	81	80	90	262	278	269	325	279
70	80	79	87	262	275	267	324	284
68	80	79	88	258	271	263	322	286
59	76	75	78	247	259	250	320	285
64	71	72	74	248	259	251	318	285
64	73	73	80	254	264	255	320	285
58	71	71	74	243	255	245	316	286
64	69	69	73	248	259	250	317	286
68	75	73	78	258	269	260	320	286
72	78	78	85	264	276	266	322	288
68	79	80	87	263	274	265	323	288
70	80	82	86	263	275	264	324	289
66	80	80	85	261	273	263	324	290
66	80	81	84	258	270	260	323	290
60	75	76	77	248	259	250	320	290
67	75	75	81	257	269	258	323	290
63	73	74	77	250	263	256	321	290
73	77	76	84	267	278	267	324	291
75	82	80	93	275	287	277	331	293
79	87	84	99	286	299	287	339	297
80	93	92	106	290	306	294	353	303
71	93	92	104	278	295	283	352	305
69	85	86	92	266	280	269	346	304
72	85	84	91	268	282	272	342	303
72	84	85	92	269	282	270	339	301
69	83	84	88	265	277	266	334	298
72	83	83	88	266	279	268	332	297
72	83	84	88	267	281	267	329	296
72	83	84	90	268	281	268	328	293
72	84	83	89	267	281	269	327	294
71	83	82	90	267	280	269	325	293
72	84	83	90	267	281	269	325	293
71	83	83	90	267	279	269	325	293
71	82	82	90	266	281	268	324	293
72	83	80	90	268	281	270	324	292
72	84	84	91	268	281	270	324	293
72	83	82	89	267	280	269	325	292
71	83	84	90	268	282	269	324	292
73	84	85	89	267	282	270	326	292
72	84	85	89	268	282	270	326	292
72	83	83	91	269	281	269	325	293
73	83	84	89	267	281	268	325	294
73	83	86	90	268	282	269	327	293
75	85	85	93	274	288	275	329	293
74	86	85	97	277	289	278	331	294

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C
146	49	26	71	75	87	83	98
147	49	46	74	77	88	87	100
148	50	6	87	92	95	92	109
149	50	27	95	99	103	99	126
150	50	47	101	106	114	109	137
151	51	7	102	107	118	115	143
152	51	28	104	108	125	118	147
153	51	48	105	109	127	123	148
154	52	8	106	111	128	123	150
155	52	29	107	110	130	124	151
156	52	49	107	112	130	124	152
157	53	9	107	113	130	124	153
158	53	30	108	113	133	127	153
159	53	50	106	110	131	125	152
160	54	10	106	110	132	126	150
161	54	31	100	105	129	124	146
162	54	51	97	99	127	121	139
163	55	11	97	100	124	119	135
164	55	32	97	99	120	114	133
165	55	52	96	98	120	115	132
166	56	12	96	99	119	115	132
167	56	33	95	97	118	112	131
168	56	53	96	98	118	112	132
169	57	13	96	98	117	113	131
170	57	34	93	96	116	113	131
171	57	54	82	84	113	108	122
172	58	14	79	81	105	100	113
173	58	34	78	82	100	96	108
174	58	55	77	80	97	93	106
175	59	15	77	80	95	93	104
176	59	36	77	80	94	92	101
177	59	56	75	80	93	89	102
178	60	16	74	79	92	91	102
179	60	37	75	79	92	90	102
180	60	58	75	79	93	89	101
181	61	18	75	80	92	88	102
182	61	38	76	81	92	89	102
183	61	59	77	79	93	91	101
184	62	20	76	79	92	90	100
185	*	*	*	*	*	*	*
186	62	55	75	79	92	90	101
187	63	16	74	77	91	89	100
188	63	36	74	77	92	88	100
189	63	56	74	78	90	88	100
190	64	17	74	78	91	89	99
191	64	37	74	77	91	89	99
192	64	57	80	83	93	93	101
193	65	18	89	91	100	97	115
194	65	38	90	93	106	102	121
195	65	58	91	95	110	107	126

8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25	8-26
NG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
MPRS	COMPRS	COMPRS	COMPRS	GAS GN	GAS GN	GAS GN	POWER	POWER
CSE	CSE	CSE	CSE	TURB	TURB	TURB	TURB	TURB
TG.4	STG.5	STG.5	STG.5	CASE	CASE	CASE	CASE	CASE
6.00	3.00	4.30	6.00	4.00	8.00	12.00	4.00	8.00
EG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
75	87	83	98	279	291	281	335	296
77	89	87	100	281	295	286	338	297
92	95	92	109	325	339	324	382	308
99	103	99	126	371	383	373	401	338
06	114	109	137	398	407	400	435	370
07	118	115	143	407	413	410	463	398
08	125	118	147	407	415	408	482	419
09	127	123	148	407	414	407	493	435
11	128	123	150	408	418	407	501	448
10	130	124	151	408	420	407	506	454
12	130	124	152	410	423	409	514	459
13	130	124	153	411	423	409	515	463
13	133	127	153	409	424	411	516	465
10	131	125	152	403	419	401	511	465
10	132	126	150	394	413	395	504	456
05	129	124	146	366	394	373	494	446
99	127	121	139	346	376	357	480	425
00	124	119	135	342	371	353	468	410
99	120	114	133	343	371	354	464	399
98	120	115	132	342	371	352	460	391
99	119	115	132	341	370	352	459	387
97	118	112	131	340	369	350	455	384
98	118	112	132	339	369	350	455	380
98	117	113	131	340	368	349	454	378
96	116	113	131	335	362	345	453	375
84	113	108	122	305	332	316	432	366
81	109	100	113	294	313	303	408	353
82	100	96	108	290	308	298	388	341
80	97	93	106	286	303	295	373	331
80	95	93	104	283	300	291	364	323
80	94	92	101	282	298	290	358	318
80	93	89	102	282	299	291	355	315
79	92	91	102	282	298	289	354	312
79	92	90	102	281	296	288	351	310
79	93	89	101	281	296	288	349	310
80	92	88	102	281	297	288	349	308
81	92	89	102	281	296	287	348	308
79	93	91	101	281	297	287	347	309
79	92	90	100	280	294	287	347	307
*	*	*	*	*	*	*	*	*
79	92	90	101	280	296	286	348	307
77	91	89	100	279	293	286	345	305
77	92	88	100	279	295	286	346	306
78	90	88	100	278	295	284	345	305
78	91	89	99	277	295	285	344	306
77	91	89	99	278	294	286	344	305
83	93	93	101	294	310	298	348	306
91	100	97	115	320	340	327	377	318
93	106	102	121	328	353	339	401	332
95	110	107	126	335	358	343	420	344

201	68	0	101	105	130	127	141
202	*	*	*	*	*	*	*
203	68	36	100	104	126	123	141
204	68	56	101	105	128	123	142
205	69	17	101	104	129	124	140
206	69	37	95	97	125	120	135
207	69	57	79	79	116	113	127
208	70	18	55	53	96	96	96
209	70	38	49	46	77	76	76
210	70	58	46	46	65	63	64
211	71	19	44	46	61	55	58
212	71	39	44	44	55	51	55
213	71	59	43	43	53	48	51
214	72	20	38	39	49	45	48
215	72	40	42	43	47	43	46
216	73	0	45	48	47	44	47
217	73	21	63	64	52	49	58
218	73	42	86	92	77	73	93
219	74	2	93	96	96	94	114
220	74	23	93	96	107	103	124
221	74	43	92	97	111	105	128
222	75	4	93	97	114	109	130
223	75	24	95	97	116	112	131
224	75	44	94	96	117	113	131
225	76	5	80	83	112	110	123
226	76	25	78	82	109	102	114
227	76	45	78	80	100	97	110
228	77	6	77	80	97	94	108
229	77	26	60	61	90	91	95
230	77	46	51	48	79	80	76
231	78	7	47	47	69	69	65
232	78	27	47	46	62	63	59
233	78	47	47	46	58	58	58
234	79	8	47	47	57	56	56
235	79	28	47	47	56	54	56
236	79	48	45	46	55	53	54
237	80	7	46	46	54	52	53
238	*	*	*	*	*	*	*

105	130	127	141	372	390	375	486	411
*	*	*	*	*	*	*	*	*
104	126	123	141	372	392	373	485	411
105	128	123	142	374	394	375	485	410
104	129	124	140	369	390	371	484	412
97	125	120	135	346	373	355	474	403
79	116	113	127	325	354	336	456	391
53	96	96	96	299	332	310	429	372
46	77	76	76	290	325	304	388	352
46	65	63	64	279	313	297	356	330
46	61	55	58	267	301	291	326	310
44	55	51	55	256	290	282	303	293
43	53	48	51	244	276	276	282	278
39	49	45	48	212	242	241	267	264
43	47	43	46	191	218	213	270	264
48	47	44	47	193	217	211	282	269
64	52	49	58	235	248	241	295	277
92	77	73	93	309	321	318	330	300
96	96	94	114	333	350	341	369	322
96	107	103	124	339	360	351	400	339
97	111	105	128	340	364	352	419	351
97	114	109	130	339	367	352	431	359
97	116	112	131	339	366	351	437	364
96	117	113	131	337	367	349	441	369
83	112	110	123	309	336	319	425	364
82	105	102	114	295	316	303	404	352
80	100	97	110	290	306	296	387	340
80	97	94	108	287	302	292	373	331
61	90	91	95	275	291	278	367	328
48	79	80	76	274	292	275	359	322
47	69	69	65	273	287	273	344	311
46	62	63	59	268	279	270	326	298
46	58	58	58	263	273	266	313	286
47	57	56	56	259	266	262	302	277
47	55	54	56	255	260	257	292	268
46	55	53	54	250	257	254	283	262
46	54	52	53	246	252	248	275	256
*	*	*	*	*	*	*	*	*

FH-53C S/N 68-10354
CLIMATIC LAB TEST
13 MARCH 1970
RUN NO. 2 +70 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
1	17	0	17	16
2	0	40	17	17
3	1	0	17	16
4	1	21	17	16
5	1	41	17	17
6	2	1	18	17
7	2	22	18	17
8	2	42	17	17
9	3	2	17	17
10	3	22	18	18
11	3	43	18	17
12	4	3	17	18
13	4	23	18	17
14	4	43	18	17
15	5	4	17	17
16	5	24	18	17
17	5	44	18	18
18	6	5	17	17
19	6	25	18	17
20	6	45	18	17
21	7	5	17	18
22	7	26	17	18
23	7	46	18	18
24	8	6	16	18
25	8	27	17	17
26	8	47	18	18
27	9	7	19	18
28	9	27	18	17
29	9	48	17	17
30	10	8	18	18
31	10	28	19	17
32	10	49	17	17
33	11	9	18	17
34	11	29	18	17
35	11	50	17	17
36	12	10	18	17
37	12	30	18	18
38	12	50	18	17
39	13	11	17	17
40	13	31	17	18
41	13	51	18	18
42	14	12	17	17
43	14	32	18	18
44	14	52	17	17
45	15	13	18	18

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
46	15	33	18	18
47	15	53	17	18
48	16	14	19	18
49	16	34	17	18
50	16	54	17	17
51	17	14	18	18
52	17	35	18	17
53	17	55	19	19
54	18	15	18	18
55	18	36	18	19
56	18	56	17	18
57	19	16	17	19
58	19	37	18	17
59	19	57	18	17
60	20	17	17	18
61	20	38	19	18
62	20	58	17	18
63	21	18	17	18
64	21	38	18	17
65	21	59	17	19
66	22	19	18	18
67	22	39	18	18
68	23	0	17	19
69	23	20	19	18
70	23	40	18	18
71	24	1	18	18
72	24	21	19	18
73	24	41	18	18
74	25	2	18	17
75	25	22	18	17
76	25	42	18	19
77	26	3	18	19
78	26	23	18	19
79	26	43	18	18
80	27	4	18	18
81	27	24	18	19
82	27	44	17	18
83	28	5	18	18
84	28	25	19	18
85	28	45	17	17
86	29	6	19	18
87	29	26	18	19
88	29	46	18	19
89	30	7	19	18
90	30	27	34	20
91	30	47	66	20
92	31	8	103	21
93	31	28	140	24
94	31	48	173	27
95	32	9	203	30

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
96	32	29	228	34
97	32	49	247	38
98	33	10	269	43
99	33	30	286	49
100	33	50	296	54
101	34	11	304	60
102	34	31	310	65
103	34	51	312	69
104	35	12	315	75
105	35	32	313	78
106	35	52	315	81
107	36	13	315	84
108	36	33	315	87
109	36	53	315	89
110	37	14	320	93
111	37	34	323	94
112	37	54	323	97
113	38	15	325	97
114	38	35	324	101
115	38	55	323	103
116	39	16	323	104
117	39	36	322	105
118	39	56	323	106
119	40	17	328	107
120	40	37	333	109
121	40	57	339	111
122	41	18	341	113
123	41	38	341	114
124	41	58	339	116
125	42	19	339	117
126	42	39	335	117
127	42	59	334	117
128	43	20	333	119
129	43	40	331	119
130	44	0	331	120
131	44	21	331	120
132	44	41	330	121
133	45	1	330	120
134	45	22	330	120
135	45	42	329	121
136	46	2	330	122
137	46	23	329	121
138	46	43	330	121
139	47	3	330	122
140	47	24	329	122
141	47	44	330	123
142	48	4	329	123
143	48	25	329	122
144	48	45	330	122
145	49	5	332	122

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
146	49	26	334	123
147	49	46	338	121
148	50	6	351	120
149	50	27	378	119
150	50	47	412	119
151	51	7	444	122
152	51	28	470	124
153	51	48	488	127
154	52	8	501	131
155	52	29	509	133
156	52	49	516	135
157	53	9	520	139
158	53	30	523	138
159	53	50	522	139
160	54	10	519	139
161	54	31	509	140
162	54	51	489	139
163	55	11	470	138
164	55	32	457	137
165	55	52	448	136
166	56	12	441	135
167	56	33	437	134
168	56	53	435	133
169	57	13	433	132
170	57	34	431	132
171	57	54	419	134
172	58	14	402	136
173	58	34	387	136
174	58	55	378	135
175	59	15	371	135
176	59	36	366	136
177	59	56	360	136
178	60	16	358	135
179	60	37	355	134
180	60	58	354	134
181	61	18	352	134
182	61	38	351	133
183	61	59	349	134
184	62	20	34 9	133
185	*	*	*	*
186	62	55	348	131
187	63	16	346	130
188	63	36	344	130
189	63	56	345	130
190	64	17	344	129
191	64	37	346	129
192	64	57	349	126
193	65	18	361	123
194	65	38	377	122
195	65	58	391	121

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
196	66	19	404	121
197	66	39	423	123
198	66	59	446	124
199	67	20	458	125
200	67	40	463	125
201	68	0	466	126
202	*	*	*	*
203	68	36	468	126
204	68	56	471	128
205	69	17	471	129
206	69	37	462	128
207	69	57	450	130
208	70	18	430	130
209	70	38	404	130
210	70	58	376	129
211	71	19	352	127
212	71	39	333	124
213	71	59	316	121
214	72	20	302	120
215	72	40	301	118
216	73	0	310	115
217	73	21	317	112
218	73	42	336	109
219	74	2	358	108
220	74	23	379	108
221	74	43	394	109
222	75	4	405	110
223	75	24	413	110
224	75	44	418	110
225	76	5	412	115
226	76	25	399	117
227	76	45	388	119
228	77	6	379	121
229	77	26	374	123
230	77	46	363	124
231	78	7	347	125
232	78	27	331	126
233	78	47	317	126
234	79	8	307	126
235	79	28	297	126
236	79	48	289	126
237	80	7	283	126
238	*	*	*	*

RUN 4 0°F 19 MAR 70

RUN 4, 0°F, 19 March 1970
Soak time 47 hours

Test Synopsis:

This run was chosen to present 0°F test data. Another 0° test (run 28) is also presented later to show heat distribution with litters installed (litters were not installed for this run). All of the equipment was operate including the miniguns (using dummy ammunition). The engine dual start valve problem became evident during this run as both engines motored, even though No. 1 was selected.

Pertinent information.

Engine No. 1 had -13 fuel control and no EAPS.

Engine No. 2 had -12 fuel control and EAPS.

Test parameters not connected or not presented.

1-4-Free air temperature (not connected).

1-6-Engine No. 1 fuel flow (not connected).

1-11-Engine No. 2 fuel flow (not connected).

2-18-Main wheel brake return hydraulic pressure (not connected).

2-19 through 2-26-Heater output airflow differential pressure (not presented).

Defective test parameters not presented (unless indicated otherwise)

2-15-Utility hydraulic pump outlet pressure.

3-22-Cargo area forward waist level air temperature (erratic, but average temperature shown is good; data are presented).

4-13-Second stage hydraulic pump outlet temperature.

Box 6-Engine component temperatures (much of the entire box 6 position instrumentation had bad data; when possible, good data were retrieved).

6-09-Engine No. 1 aft inboard isolation mount mass temperature.

7-12-Engine No. 1 compressor case temperature, 3rd stage, 3 o'clock position.

7-18-Engine No. 1 compressor case temperature, 4th stage, 9 o'clock position.

7-19-Engine No. 1 compressor case temperature, 5th stage, 3 o'clock position.

7-20-Engine No. 1 compressor case temperature, 5th stage, 4:30 o'clock position.

Event Sheet:

CTR	Event
10	APP - start
	NOTE: This is the second start attempt;

CTR	Event
13	Heater - ON, COCKPIT SELECT
	NOTE: Pilot's overhead ducts full open momentarily, then closed; pilot's floor ducts full open, cabin duct deflectors set at 45-degree angle
17	Heater - max heat
21	Guns - check operation and stow
40	Cargo winch - check operation
51	Rescue hoist - check operation
51	Rotor brake - set
51-59	Engine starters - check operation
	NOTE: Both starters turn, even though only one is selected.
60	All doors - closed, ramp open
65	Engine No. 1 - start
	NOTE: No starter dropout
69	Rotor brake - OFF
70	Flight control and first stage interlock - checked
76	Engine No. 1 throttle - forward
79	APP - OFF
80	Ramp door - closed
85	Engine No. 2 - Start
	NOTE: No starter dropout
95	Engine No. 2 throttle - 100-percent N_f
97	Flat pitch and engine overspeed protection system - checked
98	Engine No. 1 anti-ice - ON, then OFF
100	Windshield anti-ice - ON, then OFF
103	Crossfeed - checked
106	Minimum governing microswitches - checked
112	Pitot heat - ON, then OFF
128-133	Operate both engines at 50-percent torque (engine No. 2 operated with EAPS doors in both the open and closed positions
137-147	Operate both engines at 100-percent torque (engine No. 2 operated with EAPS doors in both the open and closed positions
150-163	Power - set to cruise (50-percent torque)
151-157	Fuel transfer - checked
164	Engine No. 1 - shutdown
167	Engine No. 1 - restart with emergency start switch in EMERGENC
171	Engine No. 2 - shutdown

CTR	Event
175	Engine No. 2 - restart
181-187	Operate both engines at ground idle (engine No. 2 EAPS doors closed)
185	Heater - OFF, vent switch ON
186	APP - start
188	Throttles - shutoff
189	Rotor brake - normal
190	Fuel control levers - closed
196	APP - shutdown
198	End start

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
2	0	44	0	*	0	-16	0
3	1	7	0	*	0	-17	0
4	1	30	0	*	0	-19	0
5	1	54	*	*	0	-19	0
6	2	18	0	*	0	-19	0
7	2	42	0	*	0	-19	0
8	3	6	0	*	0	-16	0
9	3	30	0	*	0	-19	0
10	3	54	0	*	0	-19	0
11	4	18	0	*	0	-19	0
12	4	41	0	*	0	-16	0
13	5	5	0	*	0	-17	0
14	5	29	0	*	0	-19	0
15	5	53	0	*	0	-19	0
16	6	16	0	*	0	-19	0
17	6	40	0	*	0	-19	0
18	7	4	*	*	0	-19	0
19	7	28	*	*	*	-17	*
20	7	52	0	*	0	-19	0
21	8	15	0	*	0	-19	0
22	8	39	0	*	0	-19	0
23	9	3	0	*	0	-19	0
24	9	26	0	*	0	-19	0
25	9	50	0	*	0	-17	0
26	10	13	0	*	0	-19	0
27	10	37	0	*	0	-19	0
28	11	0	0	*	0	-16	0
29	11	23	0	*	0	-19	0
30	11	47	0	*	0	-19	0
31	12	11	0	*	0	-16	0
32	12	34	0	*	0	-19	0
33	12	58	0	*	0	-19	0
34	13	22	0	*	0	-17	0
35	13	46	0	*	0	-19	0
36	14	9	0	*	0	-19	0
37	14	32	0	*	0	-19	0
38	14	55	0	*	0	-19	0
39	15	18	0	*	0	-19	0
40	15	41	0	*	0	-17	0
41	16	4	0	*	0	-19	0
42	16	27	0	*	0	-19	0
43	16	50	0	*	0	-16	0
44	17	13	*	*	0	-19	0
45	17	36	0	*	0	-17	0
46	17	59	1	*	0	-19	0

MH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL
*	0	-16	0	*	1	-15	0	*
*	0	-17	0	*	0	-18	0	*
*	0	-19	0	*	0	-18	0	0
*	0	-19	0	*	0	-18	0	*
*	0	-19	0	*	0	-15	0	*
*	0	-19	0	*	0	-16	0	*
*	0	-16	0	*	1	-16	0	*
*	0	-19	0	*	0	-18	0	*
*	0	-19	0	*	2	-19	0	*
*	0	-19	0	*	2	-18	0	*
*	0	-16	0	*	1	-18	0	0
*	0	-17	0	*	1	-18	0	*
*	0	-19	0	*	0	-18	0	0
*	0	-19	0	*	0	-18	0	0
*	0	-19	0	*	1	-18	0	0
*	0	-19	0	*	1	-18	0	0
*	0	-19	0	*	0	-18	0	0
*	*	-17	*	*	0	-16	0	0
*	0	-19	0	*	0	-18	0	0
*	0	-19	0	*	1	-18	0	0
*	0	-19	0	*	1	-18	0	0
*	0	-19	0	*	1	-18	0	0
*	0	-19	0	*	0	-18	0	0
*	0	-17	0	*	0	-18	0	0
*	0	-19	0	*	1	-18	0	0
*	0	-19	0	*	1	-18	0	0
*	0	-16	0	*	0	-16	0	0
*	0	-19	0	*	1	-18	0	0
*	0	-19	0	*	0	-18	0	0
*	0	-16	0	*	0	-16	0	0
*	0	-19	0	*	1	-15	0	0
*	0	-19	0	*	1	-15	0	0
*	0	-17	0	*	0	-18	0	0
*	0	-19	0	*	1	-18	0	0
*	0	-19	0	*	0	-18	0	0
*	0	-19	0	*	0	-18	0	0
*	0	-19	0	*	1	-18	0	0
*	0	-19	0	*	0	-18	0	0
*	0	-17	0	*	0	-19	0	0
*	0	-19	0	*	0	-18	0	0
*	0	-19	0	*	1	-18	0	0
*	0	-16	0	*	0	-18	0	0
*	0	-19	0	*	0	-16	0	0
*	0	-17	0	*	0	-16	0	21
*	0	-19	0	*	0	-18	0	0

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
47	18	23	0	*	0	-19	0
48	18	46	0	*	0	-19	0
49	19	10	0	*	0	-19	0
50	19	33	0	*	0	-19	0
51	19	56	0	*	0	-19	0
52	20	20	21	*	*	-17	7
53	20	43	25	*	0	-19	0
54	21	6	15	*	0	-19	0
55	21	28	0	*	0	-19	9
56	21	52	0	*	0	-17	24
57	22	15	0	*	0	-19	25
58	22	38	0	*	0	-19	20
59	23	1	0	*	0	-19	2
60	23	24	0	*	0	-19	0
61	23	48	0	*	0	-19	0
62	24	11	0	*	0	-19	0
63	24	34	0	*	0	-19	0
64	24	57	*	*	0	-19	0
65	25	20	0	*	0	-17	0
66	25	43	29	*	0	3	0
67	26	6	58	*	0	287	0
68	26	30	58	*	0	324	0
69	26	53	79	*	0	329	0
70	27	16	58	8	18	330	0
71	27	39	58	7	23	329	0
72	28	2	58	7	25	327	*
73	28	25	59	6	25	331	0
74	28	48	59	6	25	327	0
75	29	10	59	6	26	329	0
76	29	33	74	39	41	324	0
77	29	56	77	32	88	355	0
78	30	19	79	40	98	385	0
79	30	41	78	37	102	392	0
80	31	4	79	38	103	391	0
81	31	27	78	36	103	390	*
82	31	49	79	37	102	387	0
83	32	12	79	36	103	390	0
84	32	35	79	36	102	390	*
85	32	57	79	36	103	385	0
86	33	20	80	38	102	386	13
87	33	43	79	38	102	390	57
88	34	6	79	36	102	387	61
89	34	29	79	35	101	385	61
90	34	51	79	36	102	385	60
91	35	14	80	35	103	388	60
92	35	37	79	35	103	386	60
93	36	0	79	35	103	383	60
94	36	22	79	35	103	387	60
95	36	45	72	1	99	312	79
96	37	7	60	*	64	293	80

1-07 ENG.1 RQUE RCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL
*	0	-19	0	*	1	-18	0	1
*	0	-19	0	*	0	-18	0	0
*	0	-19	0	*	0	-16	0	98
*	0	-19	0	*	0	-18	0	1
*	0	-19	0	*	1	-16	0	1
*	*	-17	7	*	1	-18	0	0
*	0	-19	0	*	1	-18	0	0
*	0	-19	0	*	0	-18	0	*
*	0	-19	9	*	0	-18	0	*
*	0	-17	24	*	0	-18	0	*
*	0	-19	25	*	0	-16	0	*
*	0	-19	20	*	0	-18	0	0
*	0	-19	2	*	0	-18	0	*
*	0	-19	0	*	0	-16	0	*
*	0	-19	0	*	1	-15	0	*
*	0	-19	0	*	1	-18	0	*
*	0	-19	0	*	0	-18	0	*
*	0	-19	0	*	1	-18	0	*
*	0	-17	0	*	1	-16	0	*
*	0	*	0	*	0	-18	0	21
*	0	287	0	*	2	-18	0	21
*	0	324	0	*	0	-16	0	21
*	0	329	0	*	1	-18	0	21
8	18	330	0	*	0	-18	17	21
7	23	329	0	*	1	-18	22	21
7	25	327	*	*	0	-18	25	21
6	25	331	0	*	0	-18	25	21
6	25	327	0	*	0	-18	25	21
6	26	329	0	*	1	-18	25	21
39	41	324	0	*	0	-15	44	39
32	68	355	0	*	0	-18	68	46
40	98	385	0	*	1	-16	98	87
37	102	392	0	*	2	-15	*	98
38	103	391	0	*	0	-18	104	98
36	103	390	*	*	0	-18	103	98
37	102	387	0	*	0	-16	103	98
36	103	390	0	*	0	-18	103	98
36	102	390	*	*	0	-18	103	98
36	103	385	0	*	0	-18	103	98
38	102	386	13	*	2	-16	102	98
38	102	390	57	1	44	230	102	98
36	102	387	61	0	57	308	103	98
35	101	385	61	0	60	320	103	98
36	102	385	60	0	61	325	103	98
35	103	388	60	0	62	324	104	98
35	103	386	60	*	61	333	102	98
35	103	383	60	0	62	329	103	98
35	103	387	60	0	63	325	103	98
1	99	312	79	34	105	361	103	76
*	64	293	80	34	104	383	103	25

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
97	37	31	72	1	99	300	78
98	37	54	77	18	99	324	76
99	38	18	76	18	99	334	76
100	38	41	76	17	98	336	76
101	39	4	77	18	98	331	79
102	39	27	76	18	99	327	75
103	39	50	76	18	100	327	76
104	40	13	76	18	100	330	76
105	40	36	77	18	99	330	77
106	40	59	72	0	96	298	78
107	41	22	82	33	100	367	71
108	41	45	77	22	92	345	72
109	42	9	78	23	99	349	75
110	42	32	77	22	99	341	75
111	42	55	77	21	99	340	74
112	43	16	77	21	98	340	75
113	43	41	76	16	100	331	69
114	44	4	77	16	100	326	76
115	44	27	76	16	99	325	77
116	44	50	76	16	98	324	77
117	45	14	76	16	99	326	77
118	45	37	76	16	100	329	77
119	46	0	77	18	100	326	77
120	46	23	76	16	100	326	77
121	46	47	76	16	100	324	76
122	47	10	76	16	100	324	79
123	47	33	76	16	99	324	79
124	47	57	76	16	100	326	78
125	48	20	77	16	100	324	77
126	48	43	76	16	100	324	77
127	49	6	82	33	100	410	69
128	49	29	82	50	99	419	82
129	49	52	81	49	*	420	82
130	50	15	81	50	99	420	82
131	50	38	81	50	100	423	82
132	51	1	81	50	100	423	82
133	51	24	81	49	99	423	82
134	51	47	84	67	99	452	84
135	52	9	84	85	100	511	85
136	52	32	87	95	99	533	91
137	52	55	87	101	99	546	88
138	53	17	87	99	99	540	88
139	53	40	88	99	98	550	88
140	54	2	87	96	99	544	88
141	54	25	88	98	100	545	88
142	54	47	87	98	102	547	89
143	55	10	88	99	100	555	89
144	55	33	88	99	99	552	91
145	55	56	88	99	100	554	89
146	56	18	88	99	100	556	86

1-07 NG.1 RQUE RCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL
1	99	300	76	23	103	374	102	83
18	99	324	76	14	101	320	102	84
18	99	334	76	15	101	317	100	85
17	98	336	76	14	102	320	100	85
18	98	331	79	14	101	314	99	84
18	99	327	75	15	101	315	100	84
18	100	327	76	14	101	317	100	84
18	100	330	76	14	100	315	100	84
18	99	330	77	14	101	314	*	84
0	96	298	78	30	99	338	98	60
33	100	367	71	*	95	288	101	89
22	92	345	72	3	94	276	93	68
23	99	349	75	10	101	299	99	84
22	99	341	75	10	101	300	100	84
21	99	340	74	10	101	300	99	84
21	98	340	75	11	101	303	98	84
16	100	331	69	16	102	315	100	84
16	100	328	76	16	101	358	100	84
16	99	325	77	16	102	320	100	84
16	98	324	77	16	102	320	100	84
16	99	326	77	16	102	322	100	84
16	100	329	77	16	103	320	100	84
16	100	326	77	16	102	322	100	84
16	100	326	77	16	102	322	101	84
16	100	324	76	16	101	320	100	84
16	100	324	79	16	101	322	100	84
16	99	324	79	16	101	323	100	84
16	100	326	78	16	100	322	100	84
16	100	324	77	16	101	323	100	84
16	100	324	77	16	102	323	100	84
53	100	416	82	47	102	408	100	82
50	99	418	82	49	101	422	100	80
49	*	420	82	49	101	422	100	80
50	99	420	82	48	101	425	100	80
50	100	423	82	48	102	428	100	81
50	100	423	82	49	101	426	100	80
49	99	423	82	48	101	433	99	81
67	99	452	84	65	101	456	102	80
85	100	511	85	83	101	505	99	80
95	99	533	91	99	100	541	100	83
101	99	546	88	100	103	548	100	82
99	99	549	88	99	103	546	100	82
99	98	550	88	97	102	551	100	82
96	99	544	88	96	102	549	100	82
96	100	545	88	97	103	549	100	83
96	102	547	89	97	102	546	102	82
99	100	553	88	101	102	554	102	82
99	99	552	91	100	101	554	100	82
99	100	554	89	99	103	554	102	82
99	100	554	88	100	101	556	100	82

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
147	56	41	86	83	100	517	87
148	57	3	85	78	98	505	86
149	57	26	86	81	102	505	87
150	57	48	82	50	100	452	83
151	58	11	82	50	99	439	81
152	58	34	82	50	100	441	83
153	58	56	82	50	99	443	82
154	59	19	82	50	98	441	83
155	59	42	82	50	100	441	83
156	60	4	82	51	99	443	83
157	60	26	82	50	102	442	91
158	60	49	82	50	100	442	82
159	61	11	82	49	98	441	83
160	61	33	85	50	99	441	83
161	61	56	81	50	100	442	83
162	62	18	81	49	100	441	83
163	62	40	81	49	99	441	83
164	63	2	66	*	81	384	91
165	63	25	10	*	10	235	88
166	63	47	3	59	1	171	87
167	64	10	0	*	0	152	90
168	64	32	11	*	0	150	88
169	64	55	58	0	57	326	88
170	65	18	58	0	60	339	88
171	65	40	83	50	99	420	82
172	66	3	87	91	98	533	23
173	66	26	87	91	97	540	7
174	66	49	87	92	99	542	2
175	67	11	88	92	97	540	6
176	67	34	88	91	97	545	60
177	67	56	87	92	96	544	61
178	68	19	86	74	98	519	79
179	68	42	76	12	100	389	78
180	69	4	76	11	99	336	78
181	69	27	78	15	99	338	77
182	69	49	85	15	99	340	76
183	70	12	77	16	99	344	78
184	70	34	77	15	98	341	77
185	70	57	77	15	99	344	78
186	71	19	77	15	99	340	78
187	71	42	77	15	99	341	78
188	72	4	78	16	99	341	69
189	72	27	50	*	47	316	28
190	72	49	14	*	0	266	7
191	73	12	3	*	0	179	0
192	73	35	0	*	0	148	0
193	73	57	0	*	0	151	*
194	74	20	0	*	0	159	*
195	74	43	*	*	0	167	0
196	75	6	0	*	0	174	0

1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL
83	100	517	87	81	102	521	100	82
78	98	505	86	80	101	511	99	78
81	102	505	87	80	101	509	98	78
50	100	452	83	47	101	450	100	79
50	99	439	81	49	101	442	100	78
50	100	441	83	48	101	440	98	78
50	99	443	82	48	102	437	100	79
50	98	441	83	49	101	437	99	79
50	100	441	83	49	101	438	100	79
51	99	443	83	50	101	441	100	79
50	102	442	91	49	101	443	100	79
50	100	442	82	48	100	440	100	79
49	98	441	83	48	101	441	100	78
50	99	441	83	49	101	442	100	78
50	100	442	83	49	101	440	102	78
49	100	441	83	48	101	440	100	78
49	99	441	83	48	101	440	100	79
*	81	354	91	92	98	514	97	0
*	10	235	88	92	96	537	97	0
59	1	171	87	91	99	534	98	0
*	0	152	90	92	98	535	98	0
*	0	150	86	96	96	544	97	0
0	57	326	88	92	99	539	97	22
0	60	339	88	91	99	546	97	22
50	99	420	82	46	101	447	100	79
91	98	533	23	*	27	299	97	51
81	97	540	7	47	11	186	97	61
82	99	542	2	*	0	157	98	81
82	97	540	6	*	1	157	98	81
81	97	545	60	*	58	320	97	61
82	96	544	61	*	62	347	98	81
74	98	519	79	27	99	334	99	81
12	100	385	78	14	102	379	100	81
11	98	336	75	19	101	358	100	81
15	99	338	77	15	100	340	100	83
15	99	340	78	15	100	337	99	83
16	99	344	78	15	102	343	99	83
15	99	341	77	14	101	337	99	83
15	99	344	78	14	101	337	100	83
15	99	340	79	14	101	334	100	83
15	99	341	78	14	101	344	99	83
16	99	341	69	14	100	339	100	83
*	47	316	26	*	32	274	65	1
*	0	266	7	*	0	167	0	1
*	0	179	0	*	0	133	0	1
*	0	148	0	*	0	132	0	1
*	0	151	*	*	1	142	0	1
*	0	156	*	*	1	153	0	1
*	0	167	0	*	1	162	0	1
*	0	[illegible]	0	*	1	172	0	0

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
197	75	29	0	*	0	186	0
198	75	51	0	*	0	188	0
199	*	*	*	*	*	*	*

1-07 G.1 QUE CNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL
*	0	186	0	*	0	174	0	1
*	0	188	0	*	0	180	0	1
*	*	*	*	*	*	*	*	*

MH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG
2	0	44	*	1	0	*	2
3	1	7	*	2	0	*	1
4	1	30	*	2	0	*	1
5	1	54	*	1	0	*	0
6	2	18	*	1	0	*	2
7	2	42	*	0	0	*	2
8	3	6	*	1	0	*	2
9	3	30	*	2	0	*	1
10	3	54	*	2	0	*	1
11	4	18	*	1	0	*	0
12	4	41	*	1	0	*	0
13	5	5	*	0	0	*	2
14	5	29	*	1	0	*	0
15	5	53	*	2	0	*	1
16	6	16	*	0	0	*	1
17	6	40	*	1	0	*	0
18	7	4	*	1	0	*	1
19	7	28	*	1	0	*	1
20	7	52	*	1	0	*	0
21	8	15	*	1	0	*	1
22	8	39	*	2	0	*	0
23	9	3	*	1	0	*	0
24	9	26	*	2	0	*	0
25	9	50	*	0	0	*	0
26	10	13	*	1	0	*	1
27	10	37	*	1	0	*	1
28	11	0	*	1	0	*	1
29	11	23	*	0	0	*	1
30	11	47	*	1	0	*	2
31	12	11	*	0	0	*	1
32	12	34	*	0	0	*	0
33	12	58	*	0	0	*	0
34	13	22	*	2	0	*	2
35	13	46	*	0	0	*	1
36	14	9	*	0	0	*	1
37	14	32	*	1	0	*	0
38	14	55	*	1	0	*	0
39	15	18	*	1	0	*	1
40	15	41	*	1	0	*	0
41	16	4	*	1	0	*	0
42	16	27	*	0	0	*	0
43	16	50	*	0	0	*	0
44	17	13	*	0	0	*	0
45	17	36	*	0	0	*	0
46	17	59	*	2	1	*	0

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
1	0	*	2	0	1	0	0
2	0	*	1	1	0	1	0
2	0	*	1	0	2	2	*
1	0	*	0	0	2	0	*
1	0	*	2	1	1	0	0
0	0	*	2	0	2	0	0
1	0	*	2	1	2	0	0
2	0	*	1	1	1	0	*
2	0	*	1	0	2	1	0
1	0	*	0	22	1	1	0
1	0	*	0	26	0	1	*
0	0	*	2	27	0	1	*
1	0	*	0	24	1	1	*
2	0	*	1	26	1	1	*
0	0	*	1	27	1	0	*
1	0	*	0	28	1	1	*
1	0	*	1	29	0	0	*
1	0	*	1	28	0	1	*
1	0	*	0	26	1	1	0
1	0	*	1	27	2	0	*
2	0	*	0	27	1	1	*
1	0	*	0	26	1	0	*
2	0	*	0	28	0	1	*
0	0	*	0	30	1	1	0
1	0	*	1	29	1	0	*
1	0	*	1	29	0	0	*
1	0	*	1	29	2	0	*
0	0	*	1	32	1	1	*
1	0	*	2	29	1	2	*
0	0	*	1	31	0	0	*
0	0	*	0	32	1	1	*
0	0	*	0	29	0	1	*
2	0	*	2	31	0	0	*
0	0	*	1	30	0	1	*
0	0	*	1	29	2	0	0
1	0	*	0	29	1	1	*
1	0	*	0	30	1	0	*
1	0	*	1	27	0	1	*
1	0	*	0	27	1	0	*
1	0	*	0	29	1	0	*
0	0	*	0	27	1	1	*
0	0	*	0	28	0	1	*
0	0	*	0	28	0	0	*
0	0	*	0	29	1	0	*
2	1	*	0	29	1	0	*

2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG
47	18	23	*	0	1	*	1
48	18	46	*	0	1	*	0
49	19	10	96	1	1	*	0
50	19	33	*	1	1	*	1
51	19	56	*	1	1	*	1
52	20	20	*	76	15	*	0
53	20	43	*	76	20	*	1
54	21	6	*	34	11	*	1
55	21	28	*	3	2	*	0
56	21	52	*	0	1	*	0
57	22	15	*	0	1	*	0
58	22	38	*	0	1	*	1
59	23	1	*	1	0	*	0
60	23	24	*	1	1	0	1
61	23	48	*	1	0	*	1
62	24	11	*	0	1	0	0
63	24	34	*	2	1	0	0
64	24	57	*	1	1	*	1
65	25	20	*	0	1	0	1
66	25	43	*	109	21	5	1
67	26	6	*	117	20	12	1
68	26	30	*	96	24	16	0
69	26	53	*	72	21	16	2
70	27	16	*	60	17	11	15
71	27	39	*	53	17	14	18
72	28	2	*	48	16	15	20
73	28	25	*	45	15	18	18
74	28	48	*	42	14	14	18
75	29	10	*	39	13	14	18
76	29	33	*	59	20	21	53
77	29	56	*	56	21	22	68
78	30	19	*	52	22	21	66
79	30	41	*	48	19	20	72
80	31	4	*	45	18	21	70
81	31	27	*	43	18	22	68
82	31	49	*	42	21	22	66
83	32	12	*	42	21	21	67
84	32	35	*	41	20	21	68
85	32	57	*	39	20	20	66
86	33	20	*	41	17	22	66
87	33	43	17	40	15	22	67
88	34	6	17	40	17	18	69
89	34	29	17	40	16	23	67
90	34	51	17	39	17	20	68
91	35	14	17	41	16	22	69
92	35	37	17	40	18	20	71
93	36	0	17	41	20	22	68
94	36	22	31	39	17	20	71
95	36	45	91	34	18	20	64
96	37	7	92	24	12	10	60

1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
0	1	*	1	27	2	0	*
0	1	*	0	28	0	0	*
1	1	*	0	29	1	1	*
1	1	*	1	28	1	0	*
1	1	*	1	29	0	0	*
76	15	*	0	29	1	2	*
76	20	*	1	27	0	1	*
34	11	*	1	29	1	0	*
3	2	*	0	28	0	0	*
0	1	*	0	27	0	0	0
0	1	*	0	27	0	1	0
0	1	*	1	28	2	0	0
1	0	*	0	28	0	0	0
1	1	0	1	28	0	1	0
1	0	*	1	26	1	1	0
0	1	0	0	28	0	1	0
2	1	0	0	26	0	0	0
1	1	*	1	28	1	0	0
0	1	0	1	27	0	1	0
109	21	5	1	26	1	7	6
117	20	12	1	26	1	23	13
96	24	16	0	27	1	24	14
72	21	16	2	28	1	23	13
60	17	11	15	26	18	23	13
53	17	14	18	28	27	23	13
48	16	15	20	26	29	23	14
45	15	18	18	24	30	23	14
42	14	14	18	25	28	23	14
39	13	14	18	25	30	22	13
59	20	21	53	24	45	87	19
56	21	22	68	26	71	92	18
52	22	21	66	26	73	107	20
48	19	20	72	27	72	107	20
45	18	21	70	29	71	106	19
43	18	22	68	24	72	104	20
42	21	22	66	24	73	107	20
42	21	21	67	26	74	105	20
41	20	21	68	24	75	105	19
39	20	20	66	27	74	106	22
41	17	22	66	23	76	106	18
40	15	22	67	27	76	106	22
40	17	18	69	24	76	107	15
40	16	23	67	28	78	107	15
39	17	20	68	26	78	105	16
41	16	22	69	29	77	104	19
40	18	20	71	25	78	105	20
41	20	22	68	26	77	105	15
39	17	20	71	25	78	105	15
34	18	20	64	27	77	49	19
24	12	10	60	26	78	24	14

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG
97	37	31	82	34	14	20	69
98	37	54	78	39	17	20	68
99	38	18	78	38	17	20	66
100	38	41	78	39	18	23	66
101	39	4	78	39	18	21	68
102	39	27	79	38	17	22	68
103	39	50	79	37	18	20	71
104	40	13	78	38	15	22	66
105	40	36	78	39	17	21	66
106	40	59	79	32	18	15	60
107	41	22	47	41	17	20	67
108	41	45	58	39	16	21	63
109	42	9	78	38	18	21	65
110	42	32	78	39	17	23	69
111	42	55	79	39	18	22	66
112	43	18	79	39	16	20	71
113	43	41	81	36	16	18	66
114	44	4	81	38	16	21	65
115	44	27	81	37	17	22	68
116	44	50	81	38	16	21	66
117	45	14	81	38	16	19	71
118	45	37	81	38	15	21	66
119	46	0	81	39	17	18	71
120	46	23	81	37	15	18	66
121	46	47	81	37	15	18	66
122	47	10	81	39	16	20	63
123	47	33	81	39	17	21	69
124	47	57	81	38	16	20	69
125	48	20	82	33	15	18	67
126	48	43	81	38	18	23	65
127	49	6	81	43	20	24	71
128	49	29	79	42	17	22	71
129	49	52	79	42	17	22	64
130	50	15	79	42	16	22	61
131	50	38	79	42	16	22	71
132	51	1	79	43	17	22	74
133	51	24	79	43	19	21	66
134	51	47	79	45	17	22	68
135	52	9	79	48	16	22	67
136	52	32	80	48	17	23	66
137	52	55	81	48	17	22	65
138	53	17	81	48	20	23	71
139	53	40	81	48	18	24	67
140	54	2	81	48	19	22	71
141	54	25	81	48	18	22	67
142	54	47	81	48	18	22	69
143	55	10	81	48	18	22	65
144	55	33	81	48	17	24	67
145	55	56	81	50	18	23	72
146	56	18	81	48	18	24	71

1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
34	14	20	69	27	76	62	20
39	17	20	68	24	75	84	21
38	17	20	66	24	75	81	22
39	18	23	66	25	75	82	20
39	18	21	68	23	77	82	21
38	17	22	68	26	76	83	16
37	18	20	71	26	75	84	17
38	15	22	66	25	75	83	18
39	17	21	66	26	75	84	20
32	18	15	60	23	74	50	17
41	17	20	67	26	75	101	19
39	16	21	63	24	72	84	22
38	18	21	65	25	75	88	17
39	17	23	69	26	74	87	23
39	18	22	66	24	74	87	20
39	16	20	71	27	73	87	22
36	16	18	66	25	73	80	21
38	16	21	65	27	74	80	21
37	17	22	68	27	74	79	16
38	16	21	66	24	74	79	20
38	16	19	71	25	72	79	20
38	15	21	66	26	72	79	17
39	17	18	71	24	73	81	21
37	15	18	66	25	73	81	17
37	15	18	66	26	73	80	18
39	16	20	63	24	73	81	20
39	17	21	69	27	72	80	18
38	16	20	69	26	71	79	18
38	15	18	67	25	73	78	17
38	18	23	65	24	73	81	20
43	20	24	71	26	72	121	21
42	17	22	71	26	72	119	16
42	17	22	64	24	71	119	22
42	16	22	61	24	72	119	16
42	16	22	71	25	72	116	16
43	17	22	74	26	70	116	15
43	19	21	66	25	72	114	21
45	17	22	68	26	71	132	20
48	16	22	67	24	71	149	29
48	17	23	66	25	72	164	25
48	17	22	65	27	72	161	19
48	20	23	71	24	71	151	14
48	18	24	67	26	70	160	21
48	19	22	71	26	72	159	29
48	18	22	67	26	73	157	13
48	18	22	69	26	72	159	24
48	18	22	65	24	73	160	24
48	17	24	67	26	73	161	24
50	18	22	72	25	72	160	13
48	18	24	71	24	73	160	21

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	AC P
147	56	41	80	45	17	21	69	
148	57	3	78	47	17	22	66	
149	57	26	78	46	21	24	71	
150	57	48	77	42	15	22	64	
151	58	11	77	42	16	21	65	
152	58	34	77	42	16	24	64	
153	58	56	78	43	15	23	66	
154	59	19	77	43	15	21	66	
155	59	42	77	43	19	22	68	
156	60	4	77	43	16	23	69	
157	60	26	77	42	16	25	66	
158	60	49	77	42	18	22	69	
159	61	11	77	43	17	24	71	
160	61	33	77	41	17	21	68	
161	61	56	77	43	18	21	65	
162	62	18	77	43	17	21	71	
163	62	40	77	43	16	20	63	
164	63	2	78	17	12	11	51	
165	63	25	78	*	1	31	1	
166	63	47	77	*	1	31	0	
167	64	10	78	*	1	30	0	
168	64	32	78	1	2	12	0	
169	64	55	77	23	12	14	50	
170	65	18	78	24	12	16	48	
171	65	40	78	44	17	21	69	
172	66	3	*	48	19	23	71	
173	66	26	*	47	18	22	66	
174	66	49	*	48	16	23	67	
175	67	11	*	47	17	24	69	
176	67	34	18	47	18	25	67	
177	67	56	18	47	16	24	67	
178	68	19	73	44	18	22	70	
179	68	42	80	34	14	20	68	
180	69	4	81	37	15	19	66	
181	69	27	80	37	14	22	71	
182	69	49	80	37	15	21	65	
183	70	12	80	38	14	17	71	
184	70	34	80	38	15	21	66	
185	70	57	80	38	16	20	66	
186	71	19	80	39	15	20	69	
187	71	42	80	39	17	21	67	
188	72	4	80	39	16	23	69	
189	72	27	*	15	8	1	24	
190	72	49	*	*	2	*	0	
191	73	12	*	*	1	*	2	
192	73	35	*	*	1	*	1	
193	73	57	*	*	0	*	0	
194	74	20	*	*	0	*	0	
195	74	43	*	9	0	*	1	
196	75	6	*	0	0	*	1	

1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
45	17	21	69	26	72	147	17
47	17	22	66	26	74	140	25
46	21	24	71	25	72	143	25
42	15	22	64	25	73	116	21
42	16	21	65	26	73	117	28
42	16	24	64	26	72	116	20
43	15	23	66	25	72	116	18
43	15	21	66	27	72	116	28
43	19	22	68	26	73	117	25
43	16	23	69	27	73	116	21
42	16	25	66	25	72	116	17
42	18	22	69	27	72	116	18
43	17	24	71	25	72	116	28
41	17	21	68	26	72	115	21
43	18	21	65	26	73	116	15
43	17	21	71	26	71	117	23
43	16	20	63	25	72	116	16
17	12	11	51	26	71	8	10
*	1	31	1	25	71	1	31
*	1	31	0	26	71	1	31
*	1	30	0	26	71	0	30
1	2	12	0	26	70	2	12
23	12	14	50	26	70	22	13
24	12	16	48	26	69	22	13
44	17	21	69	26	73	116	17
48	19	23	71	25	72	151	23
47	18	22	66	24	70	150	19
48	16	23	67	26	71	151	29
47	17	24	69	25	71	153	21
47	18	25	67	24	71	151	13
47	16	24	67	29	71	153	21
44	18	22	70	24	72	131	20
34	14	20	63	25	73	68	20
37	15	19	66	25	74	71	18
37	14	22	71	26	73	77	21
37	15	21	65	26	73	76	23
38	14	17	71	25	73	78	20
38	15	21	66	24	73	77	22
38	16	20	66	27	75	78	18
39	15	20	69	26	72	73	21
39	17	21	67	26	74	77	21
39	16	23	69	26	73	78	20
15	8	1	24	27	49	10	*
*	2	*	0	26	1	0	*
*	1	*	2	26	2	0	*
*	1	*	1	25	0	0	*
*	0	*	0	26	0	0	*
*	0	*	0	26	0	1	*
0	0	*	1	27	0	0	*
0	0	*	1	0	0	1	*

-01 SHEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG
197	75	29	*	1	0	*	1
198	75	51	*	0	0	*	0
199	*	*	*	*	*	*	*

18	1-19	1-20	1-21	1-22	1-23	1-24	1-25	1-26
H.	ENG.1	ENG.1	ENG.1	ENG.1	ACCESS	MAIN	ENG.1	ENG.1
TT	OIL	SCAV	FUEL	NOSE	GEAR	GEAR	BLEED	FUEL
OS	PUMP	PUMP	BOOST	GEAR	BOX	BOX	AIR	PUMP
	OUTLET	OUTLET	PUMP	BOX	OIL	OIL		INLET
NT	PRESS	PRESS	OUTLET	OIL	PRESS	PRESS	PRESS	PRESS
EL	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG
*	1	0	*	1	0	0	0	*
*	0	0	*	0	*	0	0	*
*	*	*	*	*	*	0	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2
2	0	47	0	20	50	*	10	
3	1	9	0	30	25	*	35	
4	1	33	0	10	45	*	25	
5	1	57	0	20	25	*	30	
6	2	21	0	15	40	*	15	
7	2	45	0	10	40	*	20	
8	3	8	0	10	45	*	30	
9	3	32	*	10	50	*	20	
10	3	56	*	5	40	*	15	
11	4	20	0	10	50	30	3060	
12	4	44	0	5	40	32	3130	
13	5	8	0	10	40	32	3015	
14	5	32	0	5	25	40	3120	
15	5	55	0	10	50	31	3045	
16	6	18	0	10	35	33	3095	
17	6	42	0	10	15	33	3060	
18	7	6	0	10	40	27	3030	
19	7	30	0	25	10	32	3095	
20	7	54	0	10	45	31	3065	
21	8	17	0	25	40	31	2995	
22	8	41	0	0	50	30	2995	
23	9	5	0	20	50	33	3110	
24	9	28	0	5	35	32	2995	
25	9	52	0	20	50	33	3065	
26	10	16	0	25	40	27	3030	
27	10	39	0	10	35	26	3030	
28	11	2	0	10	35	40	2960	
29	11	26	0	25	35	32	3015	
30	11	49	0	25	35	33	3100	
31	12	13	0	40	45	24	2995	
32	12	37	0	20	50	33	3100	
33	13	1	0	15	50	22	2965	
34	13	24	0	10	50	24	2995	
35	13	48	1	15	25	32	3070	
36	14	11	0	10	35	32	3030	
37	14	34	1	5	30	26	3030	
38	14	57	0	25	15	22	*	
39	15	20	0	15	30	26	3110	
40	15	43	0	20	15	29	3020	
41	16	6	*	20	25	32	3100	
42	16	30	0	15	30	32	3020	
43	16	53	0	15	40	26	2955	
44	17	15	0	15	25	33	2965	
45	17	39	0	20	25	40	3040	
46	18	2	0	10	25	40	2995	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
20	50	*	10	29	8	20	12	0
30	25	*	35	19	12	4	16	0
10	45	*	25	39	12	10	16	0
20	25	*	30	19	8	6	6	0
15	40	*	15	29	10	6	12	0
10	40	*	20	39	4	6	14	0
10	45	*	30	24	6	16	8	0
10	50	*	20	14	10	4	16	0
5	40	*	15	39	12	10	10	0
10	50	30	3060	3036	44	40	44	28
5	40	32	3130	3081	46	40	50	30
10	40	32	3015	3081	46	42	44	30
5	25	40	3120	3081	34	44	56	32
10	50	31	3045	3091	30	44	52	31
10	35	33	3095	3051	46	44	50	31
10	15	33	3060	3056	48	34	42	30
10	40	27	3030	3056	34	44	44	33
25	10	32	3095	3036	40	34	42	31
10	45	31	3065	3071	40	40	44	30
25	40	31	2995	3051	36	44	46	28
0	50	30	2995	3036	34	40	42	32
20	50	33	3110	3031	46	42	46	31
5	35	32	2995	3031	42	40	48	33
20	50	33	3065	3031	36	40	48	28
25	40	27	3030	3016	36	44	44	34
10	35	26	3030	3036	42	46	44	31
10	35	40	2960	3036	50	40	48	32
25	35	32	3015	3016	30	40	46	31
25	35	33	3100	3036	34	44	46	31
40	45	24	2995	3006	40	40	50	30
20	50	33	3100	3031	42	40	46	31
15	50	22	2965	3031	44	42	44	31
10	50	24	2995	2996	34	44	42	32
15	25	32	3070	3021	42	42	44	34
10	35	32	3030	3031	46	44	48	33
5	30	26	3030	2996	1081	1082	40	31
25	15	22	*	2733	1067	1073	44	31
15	30	26	3110	2996	1067	1071	44	31
20	15	29	3020	2972	1071	1073	46	30
20	25	32	3100	2991	1073	1067	44	31
15	30	32	3020	2981	1053	1067	44	32
15	40	26	2955	3180	1061	1071	46	30
15	25	33	2965	2981	1041	1069	48	31
20	25	40	3040	2991	1057	1067	46	31
10	25	40	2995	2996	1063	1065	46	31

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2S
47	18	25	0	5	45	22	2995	
48	18	49	0	20	40	40	3045	
49	19	12	0	10	30	25	3040	
50	19	35	0	10	40	40	2995	
51	19	59	1	10	45	40	2995	
52	20	22	0	5	40	39	2995	
53	20	45	0	25	25	32	3005	
54	21	8	0	10	40	22	2955	
55	21	31	0	20	35	29	3005	
56	21	54	0	25	35	27	3020	
57	22	17	1	30	40	28	3020	
58	22	41	0	15	30	29	3060	
59	23	3	1	25	30	27	2955	
60	23	27	0	25	30	27	2965	
61	23	51	1	25	30	32	2870	
62	24	14	1	15	45	27	2995	
63	24	37	1	15	40	29	2995	
64	24	59	1	25	50	28	3040	
65	25	22	1	25	30	25	2995	
66	25	46	1	20	35	27	3100	
67	26	8	1	20	25	28	3010	
68	26	32	1	10	40	27	2995	
69	26	55	1	15	45	30	3110	
70	27	18	33	2970	2941	25	3010	
71	27	41	26	2854	2871	25	3065	
72	28	5	29	2965	2956	23	3020	
73	28	27	33	2970	2976	30	3020	
74	28	50	27	2986	2976	28	2965	
75	29	13	25	2985	3012	30	3020	
76	29	35	33	3085	3006	32	2995	
77	29	58	41	3111	3027	30	3020	
78	30	21	49	3041	3057	31	3010	
79	30	44	42	3071	3082	28	2925	
80	31	6	*	3041	3082	28	2970	
81	31	29	25	3071	3067	25	3040	
82	31	51	33	3161	3067	26	2970	
83	32	14	*	3081	3067	23	2960	
84	32	37	48	3071	3067	30	2960	
85	33	0	35	3141	3067	26	3010	
86	33	22	48	3015	3057	28	3020	
87	33	45	49	3015	3072	31	2970	
88	34	8	37	3051	3057	27	2940	
89	34	31	33	3066	3072	28	3040	
90	34	54	35	3126	3072	26	2970	
91	35	16	48	3031	3067	25	2905	
92	35	39	25	3066	3047	26	2975	
93	36	2	26	3026	3057	24	3055	
94	36	25	29	3061	3067	23	3040	
95	36	48	39	3071	3062	27	2995	
96	37	11	39	2990	3067	27	2970	

2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
5	45	22	2995	3011	1063	1067	48	31
20	40	40	3045	3031	1061	1061	52	29
10	30	25	3040	3021	1061	1063	54	32
10	40	40	2995	2996	1069	1055	60	26
10	45	40	2995	3041	1053	1067	54	27
5	40	39	2995	3001	1053	1061	48	28
25	25	32	3005	3001	1061	1049	46	28
10	40	22	2955	2991	1059	1053	50	30
20	35	29	3005	2986	1063	1059	48	33
25	35	27	3020	2991	1043	1057	46	31
30	40	28	3020	3011	1043	1057	52	38
15	30	29	3060	2986	1065	1049	56	24
25	30	27	2955	3011	1047	1053	48	31
25	30	27	2965	2986	1053	1063	46	24
25	30	32	2870	3011	1047	1059	50	24
15	45	27	2995	3006	1055	1055	50	23
15	40	29	2995	3006	1047	1057	46	31
25	50	28	3040	3011	1047	1049	52	31
25	30	25	2995	3021	1051	1049	54	20
20	35	27	3100	2986	1043	1047	42	42
20	25	28	3010	2996	1041	1055	48	42
10	40	27	2995	3001	1049	1051	48	23
15	45	30	3110	3011	1059	1051	54	23
2970	2941	25	3010	2996	1043	1051	54	42
2854	2871	25	3065	44	24	22	50	33
2965	2956	23	3020	3001	1041	1051	46	15
2970	2976	30	3020	2986	1035	1047	40	30
2980	2976	28	2965	2986	1039	1047	40	30
2985	3012	30	3020	2991	1041	1047	44	28
3086	3006	32	2995	2981	1041	1047	36	27
3111	3027	30	3020	3011	1039	1043	42	32
3041	3057	31	3010	2981	1049	1047	42	30
3071	3082	26	2925	2947	1049	1051	44	30
3041	3082	28	2970	2967	1041	1049	40	30
3071	3067	25	3040	2981	1045	1047	42	29
3161	3067	26	2970	2991	1049	1047	32	30
3081	3067	23	2960	2991	1049	1047	40	29
3071	3067	30	2960	2981	1043	1041	42	27
3141	3067	26	3010	2991	1047	1067	34	32
3015	3057	28	3020	2991	1049	1047	44	33
3015	3072	31	2970	2986	1043	1049	46	33
3051	3057	27	2940	2981	1049	1049	34	30
3066	3072	28	3040	2996	1047	1041	36	28
3126	3072	26	2970	3001	1047	1055	34	31
3031	3067	25	2905	2972	1047	1055	32	31
3066	3047	26	2975	2957	1043	1049	40	29
3026	3057	24	3055	2981	1049	1053	40	29
3061	3067	23	3040	2967	1045	1051	36	27
3071	3062	27	2995	2991	1047	1049	32	30
2990	3067	27	2970	2986	1043	1051	40	30

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2- 2STA HY (A SER CYL PS
97	37	34	31	3041	3077	24	3020	300
98	37	57	35	3066	3062	29	3040	299
99	38	20	48	3066	3072	27	3020	298
100	38	43	49	3026	3062	26	3020	299
101	39	6	31	2985	3057	31	2945	298
102	39	29	40	2980	3032	27	3005	301
103	39	52	49	3081	3042	25	3020	299
104	40	15	32	3041	3052	29	3020	299
105	40	38	21	3041	3052	25	3010	298
106	41	1	32	3041	3027	31	3005	298
107	41	24	30	3020	3067	26	3045	299
108	41	48	40	3010	3032	26	3050	299
109	42	11	32	2985	3042	25	3020	298
110	42	34	37	3041	3052	30	3100	299
111	42	57	22	3041	3077	26	3020	300
112	43	20	26	2985	3082	28	3020	299
113	43	43	32	3026	3042	26	3100	298
114	44	6	49	2985	3072	24	2995	302
115	44	29	33	3000	3062	29	2965	299
116	44	52	42	3041	3077	28	3020	299
117	45	16	33	3066	3072	28	3020	302
118	45	39	49	2980	3072	29	2965	301
119	46	2	29	3000	3037	30	2965	298
120	46	26	25	3031	3042	25	3100	298
121	46	49	41	2985	3072	29	2965	301
122	47	12	33	3041	3067	30	3015	299
123	47	36	29	3081	3042	27	3010	299
124	47	59	35	3066	3042	33	2995	301
125	48	22	34	3066	3072	28	3015	298
126	48	46	48	2985	3037	27	3060	301
127	49	9	23	2985	3057	29	3020	299
128	49	32	20	2965	3027	30	3045	302
129	49	55	29	3041	3027	28	3010	298
130	50	17	40	2980	3037	25	3010	302
131	50	40	16	3126	3042	23	2995	298
132	51	3	48	2985	3037	28	3100	298
133	51	26	32	3026	3062	30	3045	299
134	51	49	21	2980	3032	30	2965	293
135	52	12	26	3020	3032	26	2995	298
136	52	34	26	3066	3042	26	3145	298
137	52	57	29	2980	3017	27	2945	300
138	53	20	21	3066	3022	25	2965	298
139	53	42	49	3041	3077	25	3025	302
140	54	5	32	3026	3032	28	3105	295
141	54	27	25	3031	3057	27	3055	297
142	54	50	25	2980	3072	31	3020	301
143	55	12	35	2985	3037	29	3060	298
144	55	35	25	2985	3037	23	3040	300
145	55	58	37	3020	3052	29	3010	305
146	56	20	25	3066	2976	28	2965	299

2-06 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
3041	3077	24	3020	3001	1051	1049	38	27
3066	3062	29	3040	2996	1047	1051	42	27
3066	3072	27	3020	2981	1047	1053	40	30
3026	3062	26	3020	2996	1051	1053	36	30
2985	3057	31	2945	2981	1049	1049	26	27
2980	3032	27	3005	3011	1045	1055	34	27
3081	3042	25	3020	2996	1045	1055	36	30
3041	3052	29	3020	2991	1045	1057	36	30
3041	3052	25	3010	2986	1057	1059	36	29
3041	3027	31	3005	2986	1045	1053	32	30
3020	3067	26	3045	2996	1041	1049	40	32
3010	3032	26	3050	2996	1049	1049	40	24
2985	3042	25	3020	2981	1047	1051	36	29
3041	3052	30	3100	2991	1041	1041	40	32
3041	3077	26	3020	3001	1041	1049	40	31
2985	3082	28	3020	2996	1035	1047	42	27
3026	3042	26	3100	2986	1049	1055	34	31
2985	3072	24	2995	3021	1049	1049	40	32
3000	3062	29	2965	2996	1051	1047	40	29
3041	3077	28	3020	2991	1047	1055	30	27
3066	3072	28	3020	3021	1049	1047	34	29
2980	3072	29	2965	3011	1057	1043	32	28
3000	3037	30	2965	2986	1067	1057	44	28
3031	3042	25	3100	2986	1043	1049	36	29
2985	3072	29	2965	3011	1051	1051	28	27
3041	3067	30	3015	2996	1043	1051	36	27
3081	3042	27	3010	2996	1041	1053	36	27
3066	3042	33	2995	3011	1041	1047	36	27
3066	3072	28	3015	2981	1049	1051	40	27
2985	3037	27	3060	3016	1047	1051	28	31
2989	3057	29	3020	2996	1049	1043	36	28
2965	3027	30	3045	3021	1045	1051	28	31
3041	3027	28	3010	2986	1045	1051	26	29
2980	3037	25	3010	3021	1049	1041	20	31
3126	3042	23	2995	2981	1041	1047	36	31
2985	3037	28	3100	2986	1043	1053	26	28
3026	3062	30	3045	2952	1041	1059	38	28
2980	3032	30	2965	2937	1051	1053	32	28
3020	3032	26	2995	2986	1061	1055	32	27
3066	3042	26	3145	2967	1047	1063	40	30
2980	3017	27	2945	3001	1041	1063	30	27
2966	3022	25	2965	2981	1051	1041	30	27
3041	3077	25	3025	3021	1045	1033	36	30
3026	3032	28	3105	2957	1027	1047	28	30
3031	3057	27	3055	2972	1049	1047	36	30
2980	3072	31	3020	3011	1049	1049	32	27
2985	3037	29	3060	2981	1049	1059	36	30
2985	3037	23	3040	3001	1051	1049	30	29
3020	3052	29	3010	3051	1061	1055	32	29
3066	2976	26	2960	2996	1061	1055	40	31

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2S
147	56	43	32	3061	3057	30	3010	3
148	57	6	29	3066	3052	28	3040	2
149	57	28	25	3020	3062	28	3040	2
150	57	51	49	3031	3057	26	2995	2
151	58	14	41	2980	3072	23	2995	3
152	58	36	18	3041	3042	30	3015	2
153	58	59	29	3081	3072	29	3100	2
154	59	21	25	3081	3027	29	2960	2
155	59	44	49	2985	3072	26	3060	3
156	60	6	21	3041	3072	28	2910	3
157	60	28	26	3066	3057	30	3045	2
158	60	51	40	3041	3062	27	2965	3
159	61	13	35	3066	3032	26	2965	3
160	61	36	40	3041	3072	26	2965	3
161	61	58	32	3081	3067	31	2995	2
162	62	20	35	3061	3037	29	3020	3
163	62	42	35	3061	3037	25	3015	2
164	63	4	32	3041	3077	27	3050	3
165	63	27	32	3141	3067	27	3050	3
166	63	50	27	3041	3062	26	2960	2
167	64	12	26	3041	3067	29	2980	2
168	64	34	33	3015	3052	30	3045	2
169	64	57	22	2985	3057	32	3045	2
170	65	20	34	3041	3017	28	3020	2
171	65	43	49	3041	3062	27	3045	2
172	66	6	49	2985	3037	30	2965	2
173	66	28	32	3031	3057	28	3040	3
174	66	51	48	3015	3042	30	2965	2
175	67	14	25	2985	3057	32	3020	2
176	67	36	21	3061	3042	27	2870	3
177	67	59	32	3041	3042	29	2960	2
178	68	21	26	3041	3052	30	3020	2
179	68	44	48	3026	3042	25	3020	2
180	69	6	31	3066	3072	28	2965	3
181	69	29	27	3061	3072	24	3055	3
182	69	52	22	3041	3027	26	3015	2
183	70	14	40	2980	3072	26	3040	2
184	70	36	27	3015	3057	27	3010	2
185	70	59	32	3041	3062	25	2885	2
186	71	21	32	3066	3072	28	2965	2
187	71	44	48	3051	3067	30	3020	2
188	72	6	17	3061	3067	25	3040	3
189	72	29	26	3041	3067	29	3015	2
190	72	52	0	5	40	28	2995	2
191	73	14	0	*	35	23	3060	3
192	73	37	0	*	25	28	3050	3
193	74	0	0	*	35	27	2995	3
194	74	22	*	*	35	31	3020	3
195	74	45	*	*	40	31	3050	3
196	75	8	0	0	60	*	35	

2-06 STAGE HYD. PUMP UTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
3061	3057	30	3010	3016	1041	1067	32	30
3066	3052	28	3040	2981	1045	1051	30	28
3020	3062	28	3040	2972	1041	1047	28	29
3031	3057	26	2995	2981	1049	1041	36	30
2980	3072	23	2995	3031	1045	1053	22	27
3041	3042	30	3015	2996	1047	1049	26	29
3081	3072	29	3100	2986	1057	1047	32	29
3081	3027	29	2960	2986	1047	1045	32	28
2985	3072	26	3060	3006	1061	20	30	29
3041	3072	28	2910	3001	1057	24	28	31
3066	3057	30	3045	2972	1045	1055	36	30
3041	3062	27	2965	3021	1035	1045	32	29
3066	3032	26	2965	3001	1045	1049	40	32
3041	3072	26	2965	3001	1045	1051	36	30
3081	3067	31	2995	2991	1045	1047	32	27
3061	3037	29	3020	3001	1043	1053	30	30
3061	3037	25	3015	2981	1041	1047	30	29
3041	3077	27	3050	3006	1047	1049	36	27
3141	3067	27	3050	3001	1045	1047	36	30
3041	3062	26	2960	2991	1051	1043	36	31
3041	3067	29	2980	2991	1049	1047	44	30
3015	3052	30	3045	2981	1041	1045	40	15
2985	3057	32	3045	2996	1043	1043	30	31
3041	3017	28	3020	2991	1043	1039	30	28
3041	3062	27	3045	2986	1041	1043	32	32
2985	3037	30	2965	2972	1053	1033	32	32
3031	3057	28	3040	3036	1049	1049	40	30
3015	3042	30	2965	2981	1045	1051	26	27
2985	3057	32	3020	2981	1049	1051	40	41
3061	3042	27	2870	3066	1045	1033	26	31
3041	3042	29	2960	2991	1057	1043	26	32
3041	3052	30	3020	2981	1057	1055	34	27
3026	3042	25	3020	2967	1047	1045	40	31
3066	3072	28	2965	3006	1041	1053	34	29
3061	3072	24	3055	3001	1045	1049	26	28
3041	3027	26	3015	2991	1043	1049	28	27
2980	3072	26	3040	2972	1049	1051	26	27
3015	3057	27	3010	2986	1043	1049	26	27
3041	3062	25	2985	2991	1051	1043	32	30
2966	3072	28	2965	2981	1051	1051	32	29
3051	3067	30	3020	2991	1049	1047	34	32
3061	3067	25	3040	3001	1043	1043	40	29
3041	3067	29	3015	2991	1061	1053	30	30
5	40	28	2995	2986	1047	1049	32	28
*	35	23	3060	3011	30	20	36	31
*	25	28	3050	3001	24	20	26	30
*	35	27	2995	3031	32	20	36	27
*	35	31	3020	3021	30	28	24	30
*	40	31	3050	3021	30	22	40	28
0	60	*	35	54	8	0	0	1

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2
197	75	31	0	0	35	*	15	
198	75	53	0	*	40	*	10	
199	*	*	*	*	*	*	*	

2-06 STAGE HYD. PUMP TLET RESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
0	35	*	15	29	2	0	0	1
*	40	*	10	14	4	*	2	1
*	*	*	*	*	*	*	*	*

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-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
2	0	47	0
3	1	9	2
4	1	33	2
5	1	57	2
6	2	21	0
7	2	45	0
8	3	8	0
9	3	32	0
10	3	56	0
11	4	20	1256
12	4	44	1300
13	5	8	1336
14	5	32	1354
15	5	55	1362
16	6	18	1380
17	6	42	1386
18	7	6	1404
19	7	30	1406
20	7	54	1420
21	8	17	1424
22	8	41	1426
23	9	5	1440
24	9	28	1430
25	9	52	1436
26	10	16	1434
27	10	39	1442
28	11	2	1442
29	11	26	1446
30	11	49	1448
31	12	13	1444
32	12	37	1448
33	13	1	1442
34	13	24	1450
35	13	48	1446
36	14	11	1446
37	14	34	1452
38	14	57	1450
39	15	20	1450
40	15	43	1452
41	16	6	1446
42	16	30	1448
43	16	53	1452
44	17	15	1450
45	17	39	1446
46	18	2	1448

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
47	18	35	1440
48	18	49	1448
49	19	12	1452
50	19	35	1452
51	19	59	1460
52	20	22	1434
53	20	45	1446
54	21	8	1452
55	21	31	1460
56	21	54	1458
57	22	17	1460
58	22	41	1460
59	23	3	1466
60	23	27	1468
61	23	51	1460
62	24	14	1460
63	24	37	1462
64	24	59	1460
65	25	22	1460
66	25	46	1452
67	26	6	1462
68	26	32	1462
69	26	55	1462
70	27	18	1460
71	27	41	132
72	28	5	1464
73	28	27	1456
74	28	50	1456
75	29	13	1462
76	29	35	1460
77	29	58	1460
78	30	21	1460
79	30	44	1452
80	31	6	1454
81	31	29	1458
82	31	51	1454
83	32	14	1450
84	32	37	1454
85	33	0	1460
86	33	22	1460
87	33	45	1462
88	34	8	1456
89	34	31	1452
90	34	54	1460
91	35	16	1458
92	35	39	1460
93	36	2	1464
94	36	25	1458
95	36	48	1464
96	37	11	1464

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
97	37	34	1458
98	37	57	1464
99	38	20	1458
100	38	43	1460
101	39	6	1460
102	39	29	1460
103	39	52	1460
104	40	15	1464
105	40	38	1460
106	41	1	1454
107	41	24	1460
108	41	48	1460
109	42	11	1458
110	42	34	1454
111	42	57	1464
112	43	20	1454
113	43	43	1454
114	44	6	1458
115	44	29	1458
116	44	52	1464
117	45	16	1454
118	45	39	1446
119	46	2	1460
120	46	26	1460
121	46	49	1456
122	47	12	1452
123	47	36	1450
124	47	59	1454
125	48	22	1452
126	48	46	1460
127	49	9	1456
128	49	32	1446
129	49	55	1446
130	50	17	1460
131	50	40	1460
132	51	3	1460
133	51	26	1454
134	51	49	1454
135	52	12	1460
136	52	34	1464
137	52	57	1462
138	53	20	1464
139	53	42	1460
140	54	5	1454
141	54	27	1454
142	54	50	1456
143	55	12	1462
144	55	35	1454
145	55	58	1458
146	56	20	1460

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
147	56	43	1454
148	57	6	1468
149	57	28	1458
150	57	51	1462
151	58	14	1452
152	58	36	1456
153	58	59	1456
154	59	21	1458
155	59	44	1462
156	60	6	1460
157	60	28	1456
158	60	51	1460
159	61	13	1458
160	61	36	1450
161	61	58	1454
162	62	20	1450
163	62	42	1456
164	63	4	1460
165	63	27	1456
166	63	50	1460
167	64	12	1468
168	64	34	1462
169	64	57	1460
170	65	20	1452
171	65	43	1460
172	66	6	1462
173	66	28	1444
174	66	51	1456
175	67	14	1464
176	67	36	1454
177	67	59	1460
178	68	21	1458
179	68	44	1456
180	69	6	1450
181	69	29	1450
182	69	52	1450
183	70	14	1454
184	70	36	1456
185	70	59	1452
186	71	21	1452
187	71	44	1446
188	72	6	1442
189	72	29	1446
190	72	52	1444
191	73	14	1446
192	73	37	1442
193	74	0	1450
194	74	22	1454
195	74	45	1450
196	75	8	4

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
197	75	31	2
198	75	53	2
199	*	*	*

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-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
2	0	49	-21	-18	-18	-17	-18
3	1	12	-22	-18	-18	-17	-18
4	1	35	-22	-18	-19	-18	-18
5	1	59	-22	-18	-19	-18	-19
6	2	23	-22	-18	-18	-18	-18
7	2	47	-22	-18	-18	-18	-17
8	3	11	-22	-18	-18	-18	-17
9	3	34	-23	-18	-18	-18	-16
10	3	59	-22	-18	-18	-18	-16
11	4	22	-22	-18	-18	-18	-16
12	4	46	-22	-19	-18	-18	-16
13	5	10	-24	-14	-13	-13	-10
14	5	34	-25	41	38	35	18
15	5	57	-24	81	78	72	36
16	6	21	-24	103	100	94	48
17	6	45	-22	118	115	107	59
18	7	9	-21	125	124	114	110
19	7	33	-22	129	126	119	114
20	7	56	-22	133	130	123	116
21	8	20	-22	134	132	123	118
22	8	43	-21	135	133	124	119
23	9	7	-21	137	133	125	119
24	9	31	-22	138	135	125	120
25	9	54	-23	136	134	125	121
26	10	18	-23	137	134	123	120
27	10	42	-22	138	134	125	121
28	11	5	-21	139	136	125	123
29	11	28	-23	137	134	124	122
30	11	52	-23	138	134	125	122
31	12	15	-22	138	134	125	122
32	12	39	-24	138	135	124	68
33	13	3	-24	119	117	106	39
34	13	27	-24	109	105	96	32
35	13	50	-25	116	115	105	32
36	14	14	-24	101	98	88	32
37	14	37	-24	101	99	89	31
38	15	0	-26	110	105	97	32
39	15	23	-27	91	88	79	30
40	15	46	-24	104	101	92	31
41	16	9	-27	89	86	77	30
42	16	32	-26	100	97	89	30
43	16	55	-25	83	81	72	31
44	17	18	-27	83	81	73	28
45	17	41	-25	96	93	85	30
46	18	4	-24	85	81	73	38

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3-06 ATER ENUM MBER TEMP OUT G.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
-18	-18	-17	-18	-18	-19	-20	-18	-20
-18	-18	-17	-18	-18	-20	-20	-19	-19
-18	-18	-18	-18	-18	-19	-20	-18	-20
-18	-19	-18	-19	-18	-20	-20	-19	-20
-18	-18	-18	-18	-18	-20	-20	-18	-20
-18	-18	-18	-17	-18	-20	-20	-18	-20
-18	-18	-18	-17	-18	-19	-20	-18	-20
-18	-18	-18	-16	-18	-20	-19	-16	-20
-18	-18	-18	-16	-18	-19	-19	-18	-20
-18	-18	-18	-16	-17	-20	-19	-17	-20
-19	-18	-18	-16	-18	-20	-20	-18	-19
-14	-13	-13	-10	-18	-20	-18	-17	-19
41	38	35	18	-17	-15	1	-18	-15
81	78	72	36	-12	-4	21	-19	-9
103	100	94	48	-6	5	38	-11	-3
118	115	107	55	0	15	43	-8	0
125	124	114	110	8	19	50	-2	4
129	126	119	114	12	23	95	1	7
133	130	123	116	18	27	58	4	8
134	132	123	118	22	29	59	7	11
135	133	124	119	25	29	61	9	13
137	133	125	119	28	31	62	10	14
138	135	125	120	30	31	63	14	16
136	134	125	121	31	31	65	15	16
137	134	123	120	35	33	64	16	20
138	134	125	121	36	34	66	16	21
138	136	125	123	38	33	66	20	22
137	134	124	122	39	34	64	21	23
98	134	125	122	39	34	68	22	24
138	134	126	122	41	35	69	23	24
138	135	124	68	44	36	70	23	25
119	117	106	39	44	34	62	22	25
109	105	96	32	44	30	57	21	24
116	115	105	32	44	28	59	22	24
101	98	88	32	43	30	54	22	24
101	99	89	31	42	27	53	21	22
110	105	97	32	42	27	55	20	24
91	88	79	30	42	26	48	21	23
84	101	92	31	43	27	51	23	23
89	86	77	30	41	26	46	19	22
90	97	89	30	41	24	46	20	22
93	91	72	31	42	24	45	22	22
83	81	73	28	39	22	42	20	22
96	93	85	30	40	24	46	20	23
85	81	73	30	39	22	43	21	22

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
47	18	28	-26	91	90	80	30
48	19	51	-24	77	74	66	29
49	19	15	-24	89	87	78	29
50	19	38	-27	80	78	69	29
51	20	1	-28	86	83	75	30
52	20	24	-26	75	72	65	28
53	20	47	-24	83	81	72	30
54	21	10	-24	73	71	64	29
55	21	33	-24	83	81	73	30
56	21	57	-25	63	61	55	28
57	22	20	-22	82	80	73	30
58	22	43	-25	78	76	69	29
59	23	6	-24	69	65	59	29
60	23	29	-24	71	69	62	27
61	23	53	-24	73	71	64	29
62	24	16	-24	70	67	60	29
63	24	39	-23	69	68	60	30
64	25	2	-22	66	64	57	28
65	25	25	-22	62	59	54	30
66	25	48	-20	74	72	65	30
67	26	11	-20	62	59	53	31
68	26	35	-21	66	63	58	31
69	26	58	-22	62	59	54	29
70	27	21	-21	62	60	54	30
71	27	44	-20	65	62	56	32
72	28	7	-22	67	67	60	31
73	28	29	-23	51	51	45	32
74	28	52	-23	65	62	58	29
75	29	15	-20	55	53	49	31
76	29	38	-21	71	68	63	31
77	30	0	-23	54	54	48	30
78	30	23	-23	69	66	60	31
79	30	46	-25	61	59	53	30
80	31	9	-24	70	66	60	31
81	31	31	-24	82	81	73	32
82	31	54	-23	102	101	92	35
83	32	16	-21	115	115	106	41
84	32	39	-22	129	123	115	45
85	33	2	-21	129	128	119	46
86	33	25	-20	133	130	123	44
87	33	48	-18	135	134	125	44
88	34	11	-20	137	135	126	46
89	34	33	-20	138	135	127	50
90	34	56	-20	138	136	127	54
91	35	19	-19	139	137	128	55
92	35	42	-19	140	137	128	58
93	36	4	-19	141	138	129	59
94	36	27	-20	139	139	128	60
95	36	50	-19	140	138	128	61
96	37	13	-19	140	140	128	63

3-06 TER NUM BER TEMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
91	90	80	30	39	22	45	21	23
77	74	66	29	38	20	41	19	22
89	87	78	29	38	22	44	19	22
80	78	69	29	39	21	41	22	22
86	83	75	30	38	22	43	20	22
75	72	65	28	38	19	38	22	22
83	81	72	30	39	20	44	22	23
73	71	64	29	39	22	40	22	22
83	81	73	30	39	23	43	21	24
63	61	55	28	38	20	36	22	23
82	80	73	30	38	22	42	20	23
78	76	69	29	38	22	41	21	23
69	65	59	29	38	22	38	21	23
71	69	62	27	36	19	36	21	23
73	71	64	29	36	22	38	21	25
70	67	60	29	35	23	38	22	25
69	68	60	30	35	26	39	22	26
66	64	57	28	34	26	38	22	26
62	59	54	30	33	27	36	22	26
74	72	65	30	34	26	41	22	26
62	59	53	31	33	27	37	23	26
66	65	58	31	34	28	39	23	27
62	59	54	29	33	27	37	22	26
62	60	54	30	33	27	37	22	25
65	62	56	32	34	28	38	23	27
67	67	60	31	33	28	39	22	27
51	51	45	32	34	29	34	23	26
65	62	58	29	33	27	37	22	26
55	55	49	31	33	27	36	24	27
71	68	63	31	33	27	39	22	27
54	54	48	30	33	28	35	22	27
69	66	60	31	32	27	39	22	28
61	59	53	30	31	28	37	23	27
70	66	60	31	32	28	39	24	27
82	81	73	32	32	28	44	24	28
82	101	92	35	35	32	53	22	29
15	115	106	41	38	37	61	27	33
25	123	115	43	42	41	67	26	36
29	128	119	46	45	44	69	30	38
33	130	123	44	45	48	74	30	39
35	134	125	44	46	51	76	33	42
37	135	126	46	50	52	77	34	41
38	135	127	50	52	53	79	33	41
38	136	127	54	54	56	79	34	43
39	137	128	55	56	56	80	35	43
40	137	128	58	60	57	82	38	42
41	138	129	59	61	58	81	37	39
39	139	128	60	61	59	81	38	37
40	138	128	61	60	58	82	38	38
40	140	128	63	60	59	83	37	37

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3 DI D OUT (CK R. DE
97	37	36	-21	141	139	129	64	
98	37	59	-19	112	110	99	65	
99	38	22	-21	58	56	48	59	
100	38	46	-24	21	19	17	50	
101	38	59	-24	2	1	0	41	
102	39	32	-25	-5	-7	-8	34	
103	39	55	-22	32	29	26	29	
104	40	18	-22	74	72	66	30	
105	40	41	-20	78	76	68	32	
106	41	4	-24	40	38	33	34	
107	41	27	-23	13	11	9	29	
108	41	50	-22	33	30	28	27	
109	42	14	-21	69	66	61	28	
110	42	36	-20	82	82	72	30	
111	42	59	-20	46	45	39	31	
112	43	23	-20	15	15	12	29	
113	43	46	-20	35	34	30	26	
114	44	9	-18	76	73	68	26	
115	44	32	-18	76	75	66	28	
116	44	55	-20	38	38	32	29	
117	45	18	-21	16	14	11	26	
118	45	42	-20	50	49	44	24	
119	46	5	-20	69	66	60	26	
120	*	*	-21	38	36	30	27	
121	46	51	-19	16	15	14	24	
122	47	15	-21	52	50	45	22	
123	47	38	-18	76	73	66	25	
124	48	1	-20	44	42	37	27	
125	48	25	-21	28	26	24	25	
126	48	48	-19	64	62	56	24	
127	49	11	-18	45	45	40	26	
128	49	34	-19	19	23	20	25	
129	49	57	-18	50	55	50	22	
130	50	20	-19	68	69	64	24	
131	50	43	-19	32	37	32	24	
132	51	5	-18	22	26	23	22	
133	51	29	-18	62	62	58	22	
134	*	49	-16	59	61	54	22	
135	52	14	-16	27	30	25	23	
136	52	37	-15	19	21	19	22	
137	53	0	-18	59	59	55	22	
138	53	22	-16	62	64	58	22	
139	53	45	-14	29	33	28	22	
140	54	7	-16	16	18	15	21	
141	54	30	-14	52	52	49	21	
142	54	52	-13	74	75	69	22	
143	55	15	-11	43	46	40	22	
144	55	38	-11	17	19	16	22	
145	56	0	-14	33	34	32	20	
146	56	23	-14	74	72	68	21	

-06 ER UM ER EMP OUT .C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
41	139	129	64	60	60	85	38	38
12	110	99	65	60	59	74	40	38
58	56	48	59	59	53	53	39	36
21	19	17	50	55	44	34	37	35
2	1	0	41	51	33	21	35	32
-5	-7	-8	34	48	24	14	30	29
32	29	26	29	46	19	23	29	26
74	72	66	30	44	21	43	27	25
78	76	68	32	44	30	47	30	27
40	38	33	34	41	31	33	29	27
13	11	9	29	40	28	19	28	26
33	30	28	27	38	22	27	24	24
69	66	61	28	36	23	36	24	23
82	82	72	30	38	27	45	26	23
46	45	39	31	37	29	34	24	25
15	15	12	29	35	26	22	25	24
35	34	30	26	33	22	28	25	23
76	73	68	26	34	23	44	22	23
76	75	66	28	33	29	46	24	24
38	38	32	29	33	30	32	21	25
16	14	11	26	32	26	21	23	23
50	49	44	24	31	23	33	22	22
69	66	60	26	31	25	41	21	22
38	36	30	27	30	18	29	21	22
16	15	14	24	30	24	20	22	22
52	50	45	22	29	22	34	21	21
76	73	66	25	30	26	44	19	21
44	42	37	27	29	28	33	21	21
28	26	24	25	30	26	27	19	21
64	62	56	24	28	24	39	20	21
45	45	40	26	28	27	33	20	21
19	23	20	25	28	26	24	20	20
50	55	50	22	28	23	36	18	19
68	69	64	24	27	26	45	19	20
32	37	32	24	23	27	30	21	20
22	26	23	22	27	24	25	20	19
62	62	58	22	27	24	39	19	19
59	61	54	22	27	26	39	18	19
37	30	25	23	27	26	27	18	19
19	21	19	22	27	23	22	18	18
59	59	55	22	27	21	39	18	18
62	64	58	22	27	26	40	20	19
29	33	28	22	28	26	28	21	19
16	18	15	21	27	22	20	18	18
52	52	49	21	27	21	34	18	17
74	75	69	22	28	24	44	21	19
43	46	40	22	27	27	33	19	18
17	19	16	22	27	24	21	19	18
33	34	32	20	26	22	27	19	18
74	72	68	21	28	22	43	20	17

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
147	56	45	-12	58	59	52	23
148	57	8	-11	26	28	24	22
149	57	31	-12	23	23	21	22
150	57	53	-11	62	60	57	21
151	58	16	-13	61	61	54	22
152	58	39	-11	32	32	28	22
153	59	1	-11	20	20	17	20
154	59	24	-10	59	58	54	20
155	59	46	-11	56	55	49	21
156	60	9	-10	30	29	25	21
157	60	31	-13	27	26	24	20
158	60	53	-12	68	65	60	19
159	61	16	-13	59	57	51	22
160	61	38	-13	31	30	27	22
161	62	0	-11	16	15	12	20
162	62	22	-12	51	48	46	19
163	62	45	-11	67	65	59	20
164	*	*	-12	41	39	34	22
165	63	30	-10	18	17	15	21
166	63	52	-11	47	44	42	19
167	64	15	-10	68	65	61	21
168	64	37	-10	43	41	36	21
169	65	0	-9	20	18	17	22
170	65	22	-12	36	33	32	20
171	65	45	-10	71	69	64	20
172	66	8	-11	50	48	43	22
173	66	31	-12	24	22	20	21
174	66	53	-11	19	18	15	19
175	67	16	-10	60	57	54	18
176	67	39	-9	71	70	63	22
177	68	1	-9	42	41	36	22
178	68	24	-12	20	19	16	22
179	68	46	-11	24	22	21	19
180	69	9	-8	68	66	62	19
181	69	31	-9	73	71	64	23
182	69	54	-10	41	39	39	23
183	70	16	-12	18	18	16	22
184	70	39	-12	14	13	12	19
185	71	1	-11	59	55	54	19
186	71	24	-10	64	62	56	22
187	71	47	-10	49	48	43	22
188	72	9	-6	48	45	41	22
189	72	32	-3	47	44	40	22
190	72	54	-0	46	42	39	22
191	73	17	1	45	40	38	21
192	73	39	2	42	38	36	19
193	74	*	4	41	38	34	19
194	74	25	5	40	36	34	19
195	74	48	7	39	35	34	18
196	75	9	8	38	34	32	19

3-06 TER NUM BER TEMP OUT G.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
58	59	52	23	27	27	38	19	18
26	28	24	22	27	27	26	20	18
23	23	21	22	25	22	23	20	18
62	60	57	21	26	21	38	17	17
61	61	54	22	27	25	39	19	18
32	32	28	22	25	26	28	20	18
20	20	17	20	26	23	22	19	18
59	58	54	20	25	22	36	20	17
56	55	49	21	28	25	36	22	17
30	29	25	21	27	24	25	19	18
27	26	24	20	25	22	24	18	17
68	65	60	19	27	22	39	19	16
59	57	51	22	26	25	36	21	16
31	30	27	22	26	26	25	20	18
16	15	12	20	27	23	18	18	17
51	48	46	19	26	20	32	18	16
67	65	59	20	26	24	39	19	18
41	39	34	22	24	25	29	19	19
18	17	15	21	25	23	19	17	19
47	44	42	19	24	21	31	19	18
68	65	61	21	24	23	39	18	20
43	41	36	21	24	25	31	19	21
20	18	17	22	22	24	20	16	20
36	33	32	20	24	20	27	18	19
71	69	64	20	22	22	40	19	19
50	48	43	22	24	25	33	18	21
24	22	20	21	23	24	22	18	19
19	18	15	19	22	21	19	17	19
60	57	54	18	22	20	35	18	18
71	70	63	22	23	24	41	18	18
42	41	36	22	24	27	31	19	20
20	19	16	22	23	24	20	17	17
24	22	21	19	22	21	22	17	18
68	66	62	19	23	20	39	16	18
73	71	64	23	23	26	42	17	18
41	39	35	23	23	27	31	18	19
18	18	16	22	23	25	21	17	18
14	13	12	19	22	21	17	17	18
59	55	54	19	22	19	35	15	18
64	62	56	22	23	25	38	17	17
49	48	43	23	22	26	32	18	19
48	45	41	22	23	25	28	16	17
47	44	40	22	23	24	25	18	16
46	42	39	22	22	22	22	16	15
45	40	38	21	22	21	20	15	14
42	38	36	19	22	19	19	17	14
41	38	34	19	22	18	17	17	14
40	36	34	19	22	18	17	17	13
39	35	34	18	22	18	16	16	13
38	34	32	19	22	16	16	17	12

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	O C
97	75	33	9	36	33	31	18	
1 8	75	56	11	35	32	31	18	
199	*	*	*	*	*	*	*	

3-06 ATER ENUM MBER TEMP OUT G.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
36	33	31	18	22	15	15	16	12
35	32	31	18	22	15	14	16	12
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3- CO-P FLO MA TE DEG
2	0	49	-19	-20	-18	-19	-22	-1
3	1	12	-19	-19	-18	-19	-21	-1
4	1	35	-20	-19	-19	-19	-22	-1
5	1	59	-20	-20	-19	-20	-23	-1
6	2	23	-20	-19	-18	-19	-22	-1
7	2	47	-20	-20	-16	-19	-21	-1
8	3	11	-19	-20	-16	-20	-21	-1
9	3	34	-20	-20	-16	-20	-21	-1
10	3	59	-20	-20	-16	-20	-21	-1
11	4	22	-19	-20	-16	-20	-20	-2
12	4	46	20	-21	-15	-19	-20	-1
13	5	10	-19	-21	-15	-19	-20	-2
14	5	34	-13	-18	-15	-13	-9	-1
15	5	57	-5	-16	-10	-4	1	-1
16	6	21	1	-18	-4	3	9	-1
17	6	45	4	-16	0	2	9	-1
18	7	9	9	-13	2	1	14	-1
19	7	33	10	-16	4	1	19	-
20	7	56	12	-11	7	2	24	-
21	8	20	15	-10	8	4	24	-
22	8	43	17	-9	11	4	27	-
23	9	7	18	-9	14	5	28	-
24	9	31	20	-10	15	7	29	-
25	9	54	21	-10	17	8	30	
26	10	18	23	-6	17	9	30	
27	10	42	23	-6	17	9	32	
28	11	5	26	-4	21	9	31	
29	11	28	26	-6	21	10	34	
30	11	52	27	-6	21	11	34	
31	12	15	26	-2	22	11	35	
32	12	39	29	-2	24	16	34	
33	13	3	29	0	27	24	33	1
34	13	27	27	0	26	25	30	1
35	13	50	28	-0	25	27	31	1
36	14	14	29	1	25	26	32	1
37	14	37	28	0	25	28	31	1
38	15	0	28	1	27	27	33	1
39	15	23	28	0	27	27	31	1
40	15	46	29	1	28	29	33	1
41	16	9	27	3	27	29	31	1
42	16	32	29	2	27	29	3	1
43	16	55	29	4	27	29	31	1
44	17	18	26	2	27	27	29	1
45	17	41	29	4	27	28	32	1
46	18	4	21	3	27	29	30	1

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

3-16 FOOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
-20	-18	-19	-22	-18	-20	-23	-24	-21
-19	-18	-19	-21	-19	-20	-24	-24	-21
-19	-19	-19	-22	-19	-20	-23	-24	-22
-20	-19	-20	-23	-19	-20	-23	-24	-22
-19	-18	-19	-22	-19	-20	-23	-24	-21
-20	-16	-19	-21	-19	-20	-23	-24	-22
-20	-16	-20	-21	-19	-20	-24	-24	-22
-20	-16	-20	-21	-19	-20	-23	-24	-22
-20	-16	-20	-21	-19	-20	-23	-24	-22
-20	-16	-20	-20	-25	-20	-24	-24	-22
-21	-15	-19	-20	-19	-20	-24	-25	-22
-21	-15	-19	-20	-27	-21	-22	-24	-22
-18	-15	-13	-9	-18	-14	-8	-24	-23
-16	-10	-4	1	-16	-2	3	-22	-21
-18	-4	3	9	-14	5	9	-22	-22
-16	0	2	9	-14	16	7	-23	-22
-13	2	1	14	-12	25	3	-22	-22
-16	4	1	19	-9	29	14	-22	-21
-11	7	2	24	-7	36	25	-22	-19
-10	8	4	24	-7	41	8	-23	-21
-9	11	4	27	-6	45	14	-23	-21
-9	14	5	28	-4	48	31	-23	-21
-10	19	7	29	-2	48	17	-23	-21
-10	17	8	30	0	50	31	-23	-21
-6	17	9	30	2	53	20	-22	-21
-6	17	9	32	3	56	31	-23	-21
-4	21	9	31	4	59	36	-23	-20
-8	21	10	34	6	57	40	-22	-21
-6	21	11	34	7	58	31	-22	-21
-2	22	11	36	8	*	43	-22	-20
-2	24	16	34	9	*	31	-22	-20
0	27	24	33	11	*	22	-22	-20
0	26	25	30	11	*	15	-22	-20
-0	25	27	31	11	59	16	-22	-20
1	25	28	32	14	*	22	-22	-20
0	25	28	31	14	56	14	-23	-20
1	27	27	33	15	59	31	-22	-20
0	27	27	31	16	59	16	-22	-20
1	28	29	33	16	54	29	-22	-19
3	27	29	31	16	58	22	-22	-20
2	27	29	31	16	54	15	-22	-20
4	27	29	31	17	54	17	-22	-21
2	27	27	29	17	55	29	-22	-21
4	27	28	32	18	54	24	-22	-21
3	27	29	30	18	51	36	-22	-20

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	C
47	18	28	29	2	28	29	33	
48	18	51	26	4	26	28	29	
49	19	15	28	4	27	29	31	
50	19	38	27	2	26	30	32	
51	20	1	28	4	27	30	32	
52	20	24	28	4	28	29	31	
53	20	47	29	5	27	29	32	
54	21	10	28	6	27	28	29	
55	21	33	29	4	28	31	33	
56	21	57	27	7	28	28	31	
57	22	20	29	8	28	29	30	
58	22	43	29	7	28	29	30	
59	23	6	29	7	27	29	30	
60	23	29	26	5	26	29	31	
61	23	53	27	9	26	29	32	
62	24	16	27	7	26	29	32	
63	24	39	26	7	27	30	34	
64	25	2	27	11	27	29	30	
65	25	25	26	12	27	30	31	
66	25	48	28	12	27	29	31	
67	26	11	28	11	27	30	33	
68	26	35	28	11	28	31	33	
69	26	58	28	14	26	29	29	
70	27	21	27	15	26	29	30	
71	27	44	29	15	26	29	31	
72	28	7	28	16	26	29	29	
73	28	29	28	15	26	29	30	
74	28	52	28	17	26	29	29	
75	29	15	28	14	26	30	31	
76	29	38	29	17	25	29	31	
77	30	0	28	18	24	29	29	
78	30	23	28	17	24	29	32	
79	30	46	28	18	25	29	31	
80	31	9	28	15	25	30	32	
81	31	31	29	15	26	32	33	
82	31	54	31	19	29	36	37	
83	32	16	35	17	32	39	42	
84	32	39	37	19	34	43	45	
85	33	2	39	17	35	43	48	
86	33	25	39	22	37	42	48	
87	33	48	41	21	38	41	48	
88	34	11	44	23	39	41	49	
89	34	33	44	24	39	43	49	
90	34	56	44	25	40	44	52	
91	35	19	44	26	42	44	52	
92	35	42	41	24	46	44	48	
93	36	4	42	26	48	44	48	
94	36	27	42	27	51	44	46	
95	36	50	42	25	53	45	50	
96	37	13	41	28	54	46	48	

3-16	3-17 CO-PLT FOOTS FLOOR HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-19 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-20 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-21 CARGO FLOOR AREA FWD MASS TEMP DEG.C	3-22 CARGO AREA FWD HEAD LEVEL DEG.C	3-23 CARGO AREA FWD WAIST LEVEL DEG.C	3-24 CARGO AREA FWD FOOT LEVEL DEG.C	CARGO AREA FWD FLOOR MASS DEG.C
2	28	29	33	19	51	24	-22	-20	
4	26	28	29	17	55	29	-22	-21	
4	27	29	31	18	54	29	-23	-21	
2	26	30	32	19	54	16	-23	-20	
4	27	30	32	18	51	40	-22	-20	
4	28	29	31	19	51	34	-22	-20	
5	27	29	32	18	50	29	-22	-20	
6	27	28	29	19	50	15	-22	-20	
4	28	31	33	21	52	20	-22	-20	
7	28	28	31	20	51	27	-21	-20	
8	28	29	30	19	51	18	-21	-20	
7	28	29	30	19	52	15	-22	-20	
7	27	29	30	20	50	24	-22	-20	
5	26	29	31	22	51	34	-21	-20	
9	26	29	32	22	48	17	-20	-20	
7	26	29	32	23	45	22	-19	-19	
7	27	30	34	24	49	24	-18	-20	
11	27	29	30	24	48	15	-17	-18	
12	27	30	31	24	47	40	-16	-18	
12	27	29	31	24	46	31	-15	-18	
11	27	30	33	24	44	36	-14	-18	
11	28	31	33	24	49	36	-13	-18	
14	26	29	29	24	43	21	-12	-18	
15	28	29	30	24	43	21	-12	-17	
15	26	29	31	24	43	21	-11	-17	
16	26	29	29	24	44	29	-10	-16	
15	26	29	30	23	42	19	-9	-16	
17	25	29	29	24	43	17	-9	-16	
14	26	30	31	24	40	29	-9	-15	
17	25	29	31	24	41	21	-8	-13	
18	24	29	29	25	41	24	-8	-16	
17	24	29	32	25	42	36	-9	-15	
18	25	29	31	25	39	36	-8	-14	
15	25	30	32	26	42	30	-8	-15	
15	26	32	33	26	43	30	-7	-14	
19	29	36	37	27	42	44	-6	-14	
17	31	39	42	28	50	42	-8	-13	
19	34	43	43	31	51	52	-8	-12	
17	35	43	46	30	59	59	-7	-12	
22	37	42	48	32	59	*	-7	-12	
21	36	41	48	32	*	*	-6	-12	
23	39	41	49	34	*	*	-7	-12	
24	39	43	49	34	*	*	-6	-10	
25	40	44	52	36	*	53	-6	-11	
26	42	44	52	37	*	*	-5	-11	
24	46	44	48	38	*	*	-6	-11	
26	48	44	48	37	*	*	-5	-10	
27	51	44	46	37	*	*	-4	-10	
25	53	45	50	37	*	*	-5	-10	
28	54	46	48	38	*	*	-4	-9	

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	CO- FL DI
97	37	36	41	27	54	46	48	
98	37	59	43	28	54	46	49	
99	38	22	39	26	53	47	46	
100	38	46	36	33	45	44	39	
101	38	59	33	29	40	38	34	
102	39	32	29	30	36	34	31	
103	39	55	29	29	33	31	28	
104	40	18	30	25	31	31	30	
105	40	41	31	29	31	29	32	
106	41	4	33	28	31	31	32	
107	41	27	29	30	29	29	29	
108	41	50	27	29	27	29	29	
109	42	14	29	31	25	29	29	
110	42	36	30	25	28	28	31	
111	42	59	30	28	27	31	31	
112	43	23	27	26	27	28	29	
113	43	46	28	27	25	28	25	
114	44	9	29	27	23	27	28	
115	44	32	30	28	25	28	32	
116	44	55	29	25	26	28	29	
117	45	18	26	25	24	27	28	
118	45	42	25	26	22	27	26	
119	46	5	29	23	23	28	28	
120	*	*	28	24	23	27	29	
121	46	51	25	26	23	26	28	
122	47	15	27	24	21	27	24	
123	47	38	28	22	22	27	27	
124	48	1	27	26	23	27	29	
125	48	25	24	25	22	26	26	
126	48	48	25	25	22	25	27	
127	49	11	24	25	22	25	29	
128	49	34	25	24	21	26	25	
129	49	57	25	23	22	22	26	
130	50	20	25	22	23	24	28	
131	50	43	24	25	24	22	29	
132	51	5	24	23	23	23	24	
133	51	29	24	22	22	22	24	
134	*	49	25	24	22	21	28	
135	52	14	23	22	23	22	25	
136	52	37	23	21	21	22	25	
137	53	0	24	21	19	23	27	
138	53	22	24	24	21	24	29	
139	53	45	24	22	21	25	28	
140	54	7	22	22	19	23	25	
141	54	30	22	22	20	22	23	
142	54	52	25	19	22	28	28	
143	55	15	25	21	20	27	28	
144	55	38	22	22	19	25	26	
145	56	0	22	22	20	23	25	
146	56	23	24	21	18	22	25	

3-16 OTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
27	54	46	48	39	*	*	-4	-10
28	54	46	49	40	*	*	-3	-9
26	53	47	46	39	*	59	-2	-9
33	45	44	39	36	57	31	0	-9
29	40	38	34	36	48	14	0	-8
30	36	34	31	35	38	16	-0	-9
29	33	31	28	34	34	15	0	-9
25	31	31	30	33	36	22	0	-8
29	31	29	32	33	43	36	0	-8
28	31	31	32	32	44	17	0	-8
30	29	29	29	31	36	17	0	-7
29	27	29	29	31	35	36	0	-5
31	25	29	29	31	35	31	0	-8
25	28	28	31	29	36	22	1	-6
28	27	31	31	29	41	22	1	-6
26	27	28	29	28	34	11	1	-6
27	25	28	25	29	33	31	2	-7
27	23	27	28	29	32	36	2	-6
28	25	28	32	28	38	22	1	-6
25	26	28	29	28	36	43	2	-6
26	24	27	28	28	34	29	2	-6
26	22	27	26	28	29	31	2	-4
23	23	28	28	28	32	40	2	-6
24	23	27	29	28	32	31	3	-4
26	23	26	28	25	31	29	2	-4
24	21	27	24	27	28	31	3	-4
22	22	27	27	28	31	41	3	-6
26	23	27	29	28	35	17	3	-4
25	22	26	26	27	30	31	4	-4
25	22	25	27	27	32	33	4	-4
25	22	25	29	26	34	29	3	-4
24	21	26	25	26	29	16	3	-4
23	22	22	26	24	28	29	3	-4
24	23	24	28	25	34	31	4	-5
25	24	22	29	26	34	24	4	-5
23	23	23	24	25	31	28	2	-5
22	22	22	24	25	28	29	2	-3
24	22	21	28	25	31	17	2	-4
22	23	22	25	25	33	31	2	-4
21	21	22	25	24	27	31	4	-4
21	19	23	27	23	29	13	4	-3
24	21	24	29	25	31	29	4	-3
22	21	25	28	24	31	36	3	-4
22	19	23	25	24	28	14	3	-4
22	20	22	23	25	28	29	3	-4
19	22	26	28	23	28	24	5	-3
21	20	27	28	23	32	15	5	-2
22	19	25	26	25	29	8	5	-2
22	20	23	25	24	25	31	4	-2
21	18	22	25	24	26	31	4	-3

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	C
147	56	45	24	21	19	24	29	
148	57	8	24	21	22	25	27	
149	57	31	21	22	19	25	25	
150	57	53	22	21	19	24	23	
151	58	16	22	22	20	23	26	
152	58	39	23	21	21	23	24	
153	59	1	22	21	21	22	23	
154	59	24	21	22	20	22	24	
155	59	46	22	22	19	21	25	
156	60	9	23	18	22	19	25	
157	60	31	22	17	19	21	21	
158	60	53	22	19	20	18	24	
159	61	16	22	21	20	22	27	
160	61	38	21	22	22	21	26	
161	62	0	21	20	18	22	23	
162	62	22	22	18	18	22	22	
163	62	45	22	20	18	24	26	
164	*	*	22	19	22	24	26	
165	63	30	20	19	18	22	22	
166	63	52	21	20	18	23	23	
167	64	15	22	18	19	22	23	
168	64	37	22	22	19	22	25	
169	65	0	22	18	17	23	22	
170	65	22	18	19	17	22	22	
171	65	45	21	19	18	21	22	
172	66	8	22	19	19	23	25	
173	66	31	19	16	18	21	23	
174	66	53	20	20	19	22	22	
175	67	16	19	17	17	22	23	
176	67	39	21	19	18	19	24	
177	68	1	22	19	18	20	24	
178	68	24	19	20	21	22	24	
179	68	46	18	18	19	19	21	
180	69	9	21	17	18	19	22	
181	69	31	23	18	19	21	26	
182	69	54	21	18	19	22	25	
183	70	16	20	17	20	24	25	
184	70	39	19	16	18	21	22	
185	71	1	21	18	18	19	21	
186	71	24	21	17	19	22	25	
187	71	47	20	19	20	22	23	
188	72	9	19	18	21	21	24	
189	72	32	19	17	19	19	21	
190	72	54	17	18	18	18	19	
191	73	17	17	16	18	17	19	
192	73	39	17	16	17	17	18	
193	74	2	17	16	16	17	18	
194	74	25	18	18	16	16	16	
195	74	48	16	17	15	16	17	
196	75	9	17	16	16	15	15	

-16	3-17	3-18	3-19	3-20	3-21	3-22	3-23	3-24
OTS	CO-PLT	CO-PLT	CO-PLT	CO-PLT	CARGO	CARGO	CARGO	CARGO
OOR	HEAD	WAIST	FOOT	FLOOR	AREA	AREA	AREA	AREA
ASS	LEVEL	LEVEL	LEVEL	MASS	FWD	FWD	FWD	FWD
AIR	AIR	AIR	AIR	TEMP	HEAD	WAIST	FOOT	FLOOR
EMP	TEMP	TEMP	TEMP		LEVEL	LEVEL	LEVEL	MASS
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
21	19	24	29	24	29	31	5	-2
21	22	25	27	24	31	24	5	-2
22	19	25	25	23	29	31	5	-2
21	19	24	23	25	29	31	5	-3
22	20	23	26	25	28	24	5	-2
21	21	23	24	24	29	16	5	-2
21	21	22	23	23	27	22	5	-2
22	20	22	24	22	27	14	4	-2
22	19	21	25	22	27	37	7	-1
18	22	19	25	23	29	24	5	-1
17	19	21	21	22	24	31	5	-2
19	20	18	24	22	24	36	5	-1
21	20	22	27	22	30	14	5	-1
22	22	21	26	22	28	36	5	0
20	18	22	23	22	27	8	5	0
18	18	22	22	22	22	31	5	-2
20	18	24	26	22	29	17	5	-2
19	22	24	26	22	29	16	5	0
19	18	22	22	22	24	16	5	0
20	18	23	23	21	25	7	5	-1
18	19	22	23	23	26	31	5	-0
22	19	22	25	22	27	36	5	0
18	17	23	22	23	24	31	5	-0
19	17	22	22	22	25	7	4	-0
19	18	21	22	22	24	36	4	0
19	19	23	25	22	27	27	5	-0
16	18	21	23	22	28	29	5	0
20	19	22	22	22	25	28	5	-0
17	17	22	23	21	22	31	4	0
19	18	19	24	21	29	36	5	0
19	18	20	24	21	29	31	5	0
20	21	22	24	22	28	28	5	0
18	19	19	21	24	22	24	5	0
17	18	19	22	22	22	11	5	0
18	19	21	26	24	29	42	5	0
18	19	22	25	23	29	24	6	0
17	20	24	25	22	25	31	5	1
16	18	21	22	22	22	30	5	0
18	18	19	21	21	21	16	5	0
17	19	22	25	22	24	36	5	0
19	20	22	23	22	28	23	5	0
18	21	21	24	21	26	21	4	0
17	19	19	21	22	24	18	3	-0
18	18	18	19	21	22	15	2	0
16	18	17	19	21	21	15	2	0
16	17	17	18	22	20	14	2	0
15	16	17	18	20	19	12	1	0
18	16	15	16	20	19	11	1	0
17	15	16	17	22	18	11	1	0
16	16	15	15	20	18	11	1	-0

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	C(
197	75	33	15	16	16	16	14	
198	75	56	15	16	15	16	12	
199	*	*	*	*	*	*	*	

-16	3-17	3-18	3-19	3-20	3-21	3-22	3-23	3-24
OTS	CO-PLT	CO-PLT	CO-PLT	CO-PLT	CARGO	CARGO	CARGO	CARGO
OOR	HEAD	WAIST	FOOT	FLOOR	AREA	AREA	AREA	AREA
ASS	LEVEL	LEVEL	LEVEL	MASS	FWD	FWD	FWD	FWD
AIR	AIR	AIR	AIR	TEMP	HEAD	WAIST	FOOT	FLOOR
EMP	TEMP	TEMP	TEMP		LEVEL	LEVEL	LEVEL	MASS
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
16	16	16	14	19	17	9	0	-0
16	15	16	12	20	17	8	-1	-0
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
2	0	49	-21	-23	-26	-23
3	1	12	-21	-23	-26	-23
4	1	35	-20	-23	-26	-23
5	1	59	-21	-24	-26	-23
6	2	23	-21	-23	-26	-23
7	2	47	-21	-24	-26	-23
8	3	11	-20	-22	-27	-23
9	3	34	-21	-23	-26	-23
10	3	59	-21	-23	-26	-24
11	4	22	-21	-23	-26	-23
12	4	46	-21	-22	-26	-24
13	5	10	-21	-22	-26	-24
14	5	34	-18	-19	-24	-24
15	5	57	-4	-8	-24	-23
16	6	21	8	2	-25	-23
17	6	45	16	8	-26	-23
18	7	9	26	13	-25	-23
19	7	33	31	13	-25	-22
20	7	56	34	15	-25	-23
21	8	20	36	15	-26	-23
22	8	43	37	17	-26	-23
23	9	7	39	18	-25	-22
24	9	31	40	19	-25	-23
25	9	54	41	18	-24	-22
26	10	18	41	20	-24	-22
27	10	42	42	18	-24	-22
28	11	5	43	19	-24	-22
29	11	28	43	15	-24	-22
30	11	52	44	18	-25	-22
31	12	15	45	20	-24	-20
32	12	39	45	20	-24	-22
33	13	3	45	17	-24	-22
34	13	27	41	17	-25	-21
35	13	50	39	17	-24	-21
36	14	14	39	15	-23	-21
37	14	37	36	15	-24	-21
38	15	0	35	15	-24	-21
39	15	23	35	17	-24	-21
40	15	46	33	17	-23	-20
41	16	9	33	11	-24	-20
42	16	32	33	12	-24	-22
43	16	55	32	14	-24	-20
44	17	18	29	14	-24	-20
45	17	41	30	16	-24	-20
46	18	4	30	14	-24	-20

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
47	18	28	30	13	-24	-20
48	18	51	28	12	-24	-20
49	19	15	27	14	-24	-20
50	19	38	27	14	-25	-20
51	20	1	28	15	-26	-20
52	20	24	27	14	-24	-21
53	20	47	28	19	-24	-19
54	21	10	28	19	-24	-19
55	21	33	28	21	-24	-19
56	21	57	28	21	-23	-19
57	22	20	26	19	-24	-19
58	22	43	27	20	-23	-19
59	23	6	28	19	-23	-19
60	23	29	25	16	-21	-19
61	23	53	26	16	-14	-19
62	24	16	27	17	-10	-18
63	24	39	28	19	-6	-19
64	25	2	28	20	-4	-18
65	25	25	29	21	-3	-18
66	25	48	29	21	-1	-18
67	26	11	29	23	-0	-17
68	26	35	30	22	0	-17
69	26	58	29	22	0	-17
70	27	21	29	22	0	-16
71	27	44	29	22	0	-16
72	28	7	29	23	0	-16
73	28	29	29	23	1	-16
74	28	52	28	22	1	-15
75	29	15	29	22	2	-14
76	29	38	28	22	1	-15
77	30	0	29	22	1	-15
78	30	23	29	22	2	-14
79	30	46	29	22	2	-14
80	31	9	29	23	1	-13
81	31	31	31	24	3	-14
82	31	54	34	27	4	-12
83	32	16	39	30	5	-12
84	32	39	45	35	6	-13
85	33	2	50	39	8	-11
86	33	25	53	39	9	-11
87	33	48	55	42	10	-12
88	34	11	58	42	11	-10
89	34	33	*	46	12	-11
90	34	56	*	48	13	-10
91	35	19	*	49	13	-8
92	35	42	*	48	15	-10
93	36	4	*	49	15	-10
94	36	27	*	50	15	-10
95	36	50	*	50	16	-8
96	37	13	*	51	17	-9

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
97	37	36	*	52	17	-8
98	37	59	*	52	16	-8
99	38	22	59	46	15	-8
100	38	46	48	39	13	-8
101	38	59	36	31	11	-7
102	39	32	27	24	8	-7
103	39	55	21	19	7	-8
104	40	18	21	19	5	-7
105	40	41	30	25	6	-6
106	41	4	32	27	8	-6
107	41	27	28	24	8	-6
108	41	50	23	19	8	-5
109	42	14	23	20	6	-6
110	42	36	28	24	7	-6
111	42	59	31	25	6	-6
112	43	23	28	23	5	-6
113	43	46	23	19	7	-6
114	44	9	24	21	7	-4
115	44	32	30	26	7	-5
116	44	55	31	25	8	-5
117	45	18	27	23	8	-5
118	45	42	22	19	7	-4
119	46	5	25	22	8	-4
120	*	*	27	23	7	-3
121	46	51	29	20	8	-4
122	47	15	21	19	8	-4
123	47	38	25	22	8	-5
124	48	1	29	24	8	-4
125	48	25	27	22	8	-3
126	48	48	25	21	8	-2
127	49	11	26	23	8	-3
128	49	34	25	22	8	-4
129	49	57	23	20	7	-3
130	50	20	26	22	6	-3
131	50	43	29	24	7	-4
132	51	5	26	21	6	-5
133	51	29	24	20	7	-4
134	*	49	25	24	7	-3
135	52	14	28	23	6	-4
136	52	37	24	20	5	-4
137	53	0	22	19	6	-4
138	53	22	27	23	6	-5
139	53	45	28	22	5	-4
140	54	7	24	20	6	-5
141	54	30	21	19	6	-4
142	54	52	25	22	5	-4
143	55	15	28	24	7	-5
144	55	38	26	22	7	-4
145	56	0	22	19	7	-4
146	56	23	23	21	6	-4

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
147	56	45	28	23	7	-5
148	57	8	28	23	7	-4
149	57	31	24	21	7	-4
150	57	53	22	20	7	-6
151	58	16	27	22	7	-5
152	58	39	27	23	7	-4
153	59	1	24	20	7	-5
154	59	24	22	19	8	-4
155	59	46	25	21	8	-4
156	60	9	26	22	8	-4
157	60	31	22	19	8	-5
158	60	53	22	20	8	-4
159	61	16	26	22	7	-4
160	61	38	26	22	8	-3
161	62	0	23	19	7	-4
162	62	22	20	17	7	-4
163	62	45	23	20	7	-5
164	*	*	25	22	7	-3
165	63	30	24	20	7	-5
166	63	52	21	18	7	-4
167	64	15	24	20	7	-4
168	64	37	26	21	8	-4
169	65	0	24	20	7	-3
170	65	22	21	18	7	-3
171	65	45	22	20	7	-3
172	66	8	26	22	7	-3
173	66	31	25	21	8	-4
174	66	53	21	19	7	-4
175	67	16	19	18	7	-3
176	67	39	25	21	7	-4
177	68	1	28	23	7	-4
178	68	24	25	20	8	-3
179	68	46	21	18	8	-3
180	69	9	20	18	8	-4
181	69	31	26	22	8	-2
182	69	54	28	23	8	-2
183	70	16	25	21	8	-2
184	70	39	21	17	8	-3
185	71	1	18	16	8	-2
186	71	24	24	20	8	-2
187	71	47	26	22	8	-2
188	72	9	24	18	7	-2
189	72	32	22	17	7	-3
190	72	54	20	14	4	-2
191	73	17	19	13	4	-4
192	73	39	16	12	3	-3
193	74	2	15	11	2	-3
194	74	25	14	10	2	-3
195	74	48	13	9	2	-2
196	75	9	12	9	2	-3

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
197	75	33	11	9	2	-3
198	75	56	11	7	1	-2
199	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

4-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1 0
2	0	51	-20	-18	-19	-18	-18	
3	1	14	-20	-18	-19	-19	-18	
4	1	38	-19	-18	-19	-19	-19	
5	2	2	-20	-18	-20	-19	-18	
6	2	26	-20	-18	-19	-19	-18	
7	2	50	-20	-18	-20	-19	-19	
8	3	13	-19	-18	-20	-19	-19	
9	3	37	-19	-18	-19	-19	-19	
10	4	1	-19	-18	-20	-19	-20	
11	4	25	-19	-18	-18	-18	-20	
12	4	49	-18	-19	-21	-18	-20	
13	5	13	-17	-18	-19	-18	-19	
14	5	37	-8	-12	-19	-19	-19	
15	6	0	1	-6	-16	-16	-20	
16	6	23	5	-1	-15	-16	-19	
17	6	47	8	3	-10	-14	-19	
18	7	11	12	3	-9	-9	-20	
19	7	35	15	3	-9	-7	-19	
20	7	59	17	4	-6	-4	-19	
21	8	22	19	8	-6	-2	-20	
22	8	46	24	12	-9	-2	-20	
23	9	10	25	12	-5	-2	-20	
24	9	33	25	12	-4	0	-19	
25	9	57	26	14	-3	1	-20	
26	10	21	28	14	-2	2	-20	
27	10	44	28	15	0	4	-20	
28	11	7	31	17	-1	3	-20	
29	11	31	31	16	3	5	-20	
30	11	54	32	21	3	7	-19	
31	12	18	34	21	4	7	-20	
32	12	42	28	18	1	6	-20	
33	13	6	23	15	0	7	-18	
34	13	29	21	13	0	5	-19	
35	13	53	19	13	0	5	-19	
36	14	16	18	12	0	5	-18	
37	14	39	16	13	3	4	-19	
38	15	2	17	12	1	5	-19	
39	15	25	15	12	3	5	-18	
40	15	48	15	14	4	5	-19	
41	16	11	13	14	3	5	-18	
42	16	35	14	13	2	5	-19	
43	16	58	13	13	3	5	-18	
44	17	20	12	13	3	5	-19	
45	17	44	14	13	4	7	-18	
46	18	7	13	14	4	8	-18	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

4-06 PLT SHD SIDE PER R H G.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2SYAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
-18	-19	-18	-18	-20	-20	-20	-20	-20
-18	-19	-19	-18	-20	-20	-20	-20	-20
-18	-19	-19	-19	-20	-20	-21	-19	-20
-18	-20	-19	-18	-21	-21	-21	-20	-20
-18	-19	-19	-18	-21	-20	-20	-20	-21
-18	-20	-19	-19	-21	-21	-21	-20	-20
-18	-20	-19	-19	-21	-21	-20	-20	-20
-18	-19	-19	-19	-20	-22	-21	-20	-20
-18	-20	-19	-20	-22	-22	-21	-20	-21
-18	-18	-18	-20	-21	-20	-21	-19	-22
-19	-21	-18	-20	-22	-21	-19	-12	-22
-18	-19	-18	-19	-21	-21	-16	-4	-21
-12	-19	-19	-19	-21	-22	-12	1	-20
-6	-16	-16	-20	-21	-21	-6	6	-21
-1	-16	-16	-19	-22	-21	-0	9	-20
3	-10	-14	-19	-21	-22	4	14	-20
3	-9	-9	-20	-21	-21	7	17	-21
3	-9	-7	-19	-21	-21	11	20	-20
4	-6	-4	-19	-21	-21	11	21	-21
8	-6	-2	-20	-21	-20	12	23	-20
12	-5	-2	-20	-21	-20	15	26	-20
12	-5	-2	-20	-21	-20	18	28	-20
12	-4	0	-19	-20	-20	21	29	-20
14	-3	1	-20	-20	-20	22	32	-19
14	-2	2	-20	-21	-20	25	34	-20
15	0	4	-20	-21	-19	27	36	-20
17	-1	3	-20	-20	-20	28	37	-19
18	3	5	-20	-20	-20	31	39	-19
21	3	7	-19	-20	-19	32	40	-19
21	4	7	-20	-21	-20	33	42	-19
18	1	6	-20	-21	-19	34	44	-18
15	0	7	-18	-20	-19	36	46	-18
13	0	5	-19	-20	-18	38	46	-19
13	0	5	-19	-20	-18	39	48	-18
12	0	5	-18	-20	-18	41	48	-18
13	3	4	-19	-20	-18	38	49	-16
12	1	5	-19	-20	-18	30	38	-4
13	3	5	-16	-19	-18	28	40	-0
14	4	5	-19	-19	-18	27	39	3
14	3	5	-18	-20	-18	27	38	8
13	2	5	-19	-20	-18	27	38	12
13	3	5	-18	-19	-18	28	37	18
13	3	5	-19	-19	-18	27	37	19
13	4	7	-18	-19	-18	27	39	22
14	4	8	-18	-19	-16	28	37	24

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1S OU
47	18	30	14	14	4	7	-18	
48	18	54	12	14	5	5	-17	
49	19	17	13	14	5	7	-16	
50	19	40	12	14	5	7	-17	
51	20	4	12	14	5	8	-18	
52	20	27	13	13	5	8	-17	
53	20	50	13	14	5	8	-16	
54	21	13	12	14	5	8	-17	
55	21	36	13	14	7	9	-16	
56	21	59	12	14	4	9	-16	
57	22	22	12	14	2	8	-16	
58	22	46	14	14	4	9	-16	
59	23	8	12	15	6	8	-15	
60	23	32	13	13	3	9	-14	
61	23	56	12	15	6	9	-14	
62	24	19	12	14	4	9	-14	
63	24	42	12	14	5	9	-14	
64	25	4	12	16	7	10	-13	
65	25	27	12	15	4	11	-12	
66	25	51	12	15	8	11	-12	
67	26	13	11	15	5	11	-11	
68	26	37	12	15	5	11	-11	
69	27	0	11	16	7	12	-10	
70	27	23	12	15	8	12	-12	
71	27	46	12	16	7	12	-12	
72	28	9	11	16	8	12	-9	
73	28	32	11	15	7	11	-9	
74	28	55	12	14	4	11	-6	
75	29	17	13	15	6	11	-5	
76	29	40	11	16	7	11	-3	
77	30	3	11	16	7	11	-0	
78	30	26	12	16	4	11	0	
79	30	49	12	16	7	12	1	
80	31	11	12	14	7	12	3	
81	31	34	11	16	4	11	5	
82	31	56	12	15	7	14	6	
83	32	19	11	18	6	12	8	
84	32	42	14	18	8	16	9	
85	33	5	13	18	10	15	11	
86	33	27	14	20	9	17	14	
87	33	50	14	20	8	17	14	
88	34	13	12	23	9	19	15	
89	34	36	14	23	10	21	16	
90	34	59	14	22	10	20	17	
91	35	21	14	22	8	19	18	
92	35	44	14	24	8	18	19	
93	36	7	15	24	9	20	20	
94	36	30	16	23	10	20	21	
95	36	53	15	22	9	19	21	
96	37	16	16	22	9	19	21	

4-06 PLT SHD IDE PER R H G.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
14	4	7	-18	-19	-18	28	38	26
14	5	5	-17	-19	-17	29	38	28
14	5	7	-18	-18	-18	30	38	30
14	5	7	-17	-18	-17	30	39	30
14	5	8	-18	-18	-17	31	39	32
13	5	8	-17	-18	-17	31	39	34
14	5	8	-16	-17	-17	32	40	35
14	5	8	-17	-17	-15	33	40	35
14	7	9	-16	-16	-16	33	41	36
14	4	9	-16	-18	-15	33	42	37
14	2	8	-16	-17	-15	35	42	39
14	4	9	-16	-16	-14	35	44	38
15	6	8	-15	-16	-14	36	44	41
13	3	9	-14	-16	-14	37	45	41
15	5	9	-14	-15	-14	38	45	41
14	4	9	-14	-15	-13	38	46	42
14	5	9	-14	-14	-14	39	46	43
16	7	10	-13	-15	-12	40	46	44
15	4	11	-12	-14	-12	41	47	45
15	8	11	-12	-14	-11	41	48	45
15	5	11	-11	-14	-11	42	49	47
15	5	11	-11	-12	-10	42	49	47
16	7	12	-10	-12	-10	44	51	48
15	8	12	-12	-12	-9	44	51	49
16	7	12	-12	-11	-8	45	51	48
16	8	12	-9	-7	-10	45	52	49
15	7	11	-8	-4	-10	45	52	50
14	4	11	-6	-3	-13	44	51	51
15	6	11	-5	-1	-12	45	50	53
16	7	11	-3	0	-14	45	51	52
16	7	11	-0	3	-14	45	49	51
16	4	11	0	8	-14	44	48	52
16	7	12	1	11	-15	43	46	51
14	7	12	3	12	-16	42	45	49
16	4	11	5	15	-16	41	45	49
15	7	14	6	19	-17	40	43	48
16	6	12	8	20	-16	39	42	48
18	8	16	9	23	-16	40	42	47
19	10	15	11	23	-17	39	42	47
20	9	17	14	24	-18	39	42	46
20	8	17	14	26	-16	39	41	45
18	9	19	15	27	-16	39	41	46
18	10	21	16	28	-17	39	41	45
22	10	20	17	29	-16	39	42	45
22	8	19	18	29	-15	38	41	45
24	8	18	19	31	-16	39	41	45
24	9	20	20	32	-14	38	42	45
23	10	20	21	31	-15	38	41	45
22	9	19	21	33	-15	38	41	44
22	9	19	21	33	-15	39	41	44

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
97	37	39	15	24	9	19	22
98	38	2	16	23	10	19	22
99	38	25	14	22	7	17	22
100	38	48	13	20	7	21	23
101	39	11	12	19	7	20	24
102	39	34	13	17	5	14	24
103	39	57	13	18	7	15	24
104	40	20	14	18	7	18	24
105	40	43	14	21	4	12	25
106	41	6	13	22	4	14	25
107	41	30	15	24	5	11	25
108	41	53	14	23	4	12	26
109	42	16	16	23	6	12	26
110	42	39	14	25	4	10	25
111	43	2	14	25	5	9	26
112	43	25	16	25	5	9	25
113	43	48	14	23	4	9	26
114	44	11	16	21	5	11	26
115	44	34	15	21	5	8	27
116	44	57	12	22	6	11	26
117	45	21	11	20	6	9	25
118	45	44	13	19	4	9	27
119	46	7	13	18	6	8	27
120	46	31	14	17	2	7	28
121	46	54	11	18	4	7	27
122	47	17	12	16	2	7	27
123	47	41	12	16	5	8	28
124	48	4	11	16	2	7	27
125	48	27	9	17	4	8	28
126	48	51	11	16	5	8	28
127	49	14	10	17	3	6	27
128	49	37	9	17	5	8	26
129	50	0	11	14	4	8	25
130	50	22	9	17	1	7	24
131	50	45	9	18	4	8	25
132	51	8	11	14	1	7	23
133	51	31	9	16	1	8	23
134	51	54	11	14	3	9	22
135	52	17	7	13	1	8	22
136	52	39	7	14	3	8	22
137	53	2	8	11	2	7	22
138	53	25	6	13	3	8	20
139	53	47	7	11	2	7	20
140	54	10	7	10	0	5	22
141	54	32	6	11	3	7	19
142	54	55	7	11	1	8	22
143	55	17	7	9	1	6	22
144	55	40	5	12	3	8	19
145	56	3	7	9	2	6	21
146	56	26	6	9	0	6	20

4-06 -PLT NDSHD NSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
24	9	19	22	35	-15	38	42	43
23	10	19	22	34	-14	40	40	44
22	7	17	22	33	-12	39	41	43
20	7	21	23	36	-14	38	40	44
19	7	20	24	35	-14	39	40	42
17	5	14	24	36	-13	39	41	43
18	7	15	24	36	-14	39	40	43
18	7	18	24	37	-14	39	42	43
21	4	12	25	37	-13	40	41	45
22	4	14	25	37	-13	39	41	43
24	5	11	25	38	-13	40	41	44
23	4	12	26	38	-12	40	42	43
23	6	12	26	39	-12	39	42	43
25	4	10	25	39	-12	40	41	45
25	5	9	26	39	-12	41	42	45
25	5	9	25	40	-12	39	41	44
23	4	9	26	40	-12	40	42	44
21	3	11	26	39	-10	39	41	44
21	5	8	27	41	-10	41	42	43
22	6	11	26	41	-10	40	42	43
20	6	9	25	42	-10	41	42	44
19	4	9	27	41	-10	40	41	45
18	6	8	27	41	-10	41	43	44
17	2	7	28	43	-10	41	41	45
18	4	7	27	42	-9	40	42	45
16	2	7	27	43	-9	41	42	46
16	5	8	28	43	-10	41	42	45
16	2	7	27	43	-9	41	42	46
17	4	8	28	43	-9	41	43	45
16	5	8	28	42	-9	41	42	45
17	3	6	27	42	-10	41	44	45
17	5	8	26	41	-9	41	43	45
14	4	8	25	40	-10	41	42	45
17	1	7	24	39	-12	42	41	44
18	4	8	25	39	-12	41	41	44
14	1	7	23	37	-14	42	40	44
16	1	8	23	37	-14	41	41	44
14	3	9	22	37	-13	40	42	44
13	1	8	22	35	-14	40	41	45
14	3	8	22	35	-14	41	41	45
11	2	7	22	35	-14	41	41	46
13	3	8	20	35	-13	43	41	46
11	2	7	20	34	-13	41	42	45
10	0	5	22	34	-14	41	42	45
11	3	7	19	36	-12	41	41	46
11	1	8	22	33	-12	42	42	45
9	1	6	22	35	-12	42	42	46
12	3	8	19	34	-12	41	43	46
9	2	6	21	34	-11	41	42	46
9	0	6	20	34	-11	42	43	46

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R. H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
147	56	48	4	11	2	6	22
148	57	11	5	11	2	7	20
149	57	33	6	9	3	8	19
150	57	56	6	9	2	5	22
151	58	19	7	11	2	8	22
152	58	41	5	13	1	6	21
153	59	4	4	12	4	8	21
154	59	26	4	11	1	6	20
155	59	49	5	11	2	7	22
156	60	11	7	9	1	5	21
157	60	34	7	9	2	6	22
158	60	56	7	9	4	7	22
159	61	18	7	9	0	7	21
160	61	41	4	11	2	7	22
161	62	3	3	11	4	9	23
162	62	25	5	8	2	7	22
163	62	47	5	8	0	5	23
164	63	9	3	8	1	5	22
165	63	32	3	10	3	6	23
166	63	55	5	8	0	8	22
167	64	17	6	9	2	7	22
168	64	39	4	11	3	5	23
169	65	2	5	8	0	5	22
170	65	25	5	8	0	5	23
171	65	48	4	9	2	7	22
172	66	11	4	9	1	5	22
173	66	33	3	8	1	8	23
174	66	56	5	9	2	5	25
175	67	19	5	8	2	6	24
176	67	41	7	11	4	6	25
177	68	4	5	10	3	5	24
178	68	26	6	10	2	5	24
179	68	49	3	9	4	7	24
180	69	11	5	10	1	5	25
181	69	34	5	10	2	6	25
182	69	57	4	8	1	7	25
183	70	19	5	8	3	8	25
184	70	41	5	8	2	7	27
185	71	4	6	9	3	7	26
186	71	26	6	9	3	7	29
187	71	49	6	8	4	7	27
188	72	11	6	8	2	7	28
189	72	34	5	8	1	6	30
190	72	57	5	10	2	7	27
191	73	19	4	8	2	8	27
192	73	42	4	8	1	5	26
193	74	5	5	7	0	6	27
194	74	27	5	8	3	7	27
195	74	50	3	7	1	5	27
196	75	13	4	8	2	6	27

4-06 -PLT NDSHD NSIDE UPPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
11	2	6	22	35	-11	41	42	46
11	2	7	20	36	-11	42	42	46
9	3	8	19	33	-11	42	41	47
9	2	5	22	33	-10	41	42	46
11	2	8	22	34	-10	41	42	45
13	1	6	21	34	-10	42	42	45
12	4	8	21	34	-10	42	43	46
11	1	6	20	35	-10	42	43	46
11	2	7	22	35	-10	43	43	46
9	1	5	21	35	-9	42	43	43
9	2	6	22	35	-8	42	44	45
9	4	7	22	35	-9	42	44	46
9	0	7	21	35	-10	43	45	46
11	2	7	22	37	-10	44	44	47
11	4	9	23	36	-9	43	44	47
8	2	7	22	36	-10	43	44	48
8	0	5	23	38	-8	43	44	48
8	1	5	22	36	-9	44	45	47
10	3	6	23	37	-9	43	45	48
8	0	8	22	36	-8	44	44	48
9	2	7	22	36	-8	44	45	48
11	3	5	23	36	-8	44	44	49
8	0	5	22	37	-8	44	44	49
8	0	5	23	36	-7	44	45	48
9	2	7	22	37	-8	44	46	48
9	1	5	22	37	-8	45	44	48
8	1	8	23	38	-9	44	44	49
9	2	5	25	37	-8	44	45	49
8	2	6	24	37	-8	44	46	49
11	4	6	25	37	-8	45	45	50
10	3	5	24	37	-7	44	45	49
10	2	5	24	38	-6	44	46	50
9	4	7	24	37	-6	44	48	49
10	1	5	25	37	-7	43	46	49
10	2	8	26	39	-6	44	45	49
8	1	7	25	38	-6	44	47	50
8	3	8	25	40	-6	44	46	48
8	2	7	27	40	-5	45	46	49
9	3	7	26	41	-4	45	46	48
9	3	7	29	41	-4	45	46	49
8	4	7	27	42	-4	45	46	50
8	2	7	28	42	-3	45	47	49
8	1	6	30	41	-2	45	47	49
10	2	7	27	37	-2	45	48	50
8	2	6	27	35	0	46	50	51
8	1	5	26	34	1	48	53	49
7	0	6	27	33	0	49	56	49
8	3	7	27	33	2	52	59	48
7	1	5	27	34	1	52	61	48
8	2	6	27	32	1	52	57	48

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
197	75	36	4	7	1	6	28
198	75	58	4	7	2	6	28
199	*	*	*	*	*	*	*

-06 PLT SHD IDE PER R H G.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
7	1	6	28	33	1	52	52	47
7	2	6	28	32	2	52	50	46
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	R R
2	0	51	-23	-22	-24	-21	-19	
3	1	14	-23	-23	-24	-20	-19	
4	1	38	-23	-23	-23	-20	-18	
5	2	2	-23	-24	-24	-21	-18	
6	2	26	-24	-24	-23	-21	-19	
7	2	50	-23	-24	-24	-21	-20	
8	3	13	-24	-24	-24	-20	-19	
9	3	37	-24	-24	-24	-21	-19	
10	4	1	-24	-24	-24	-21	-20	
11	4	25	-24	-24	-23	-21	-19	
12	4	49	-24	-23	-15	-22	-19	
13	5	13	-24	-22	-13	-20	-19	
14	5	37	-23	-20	-10	-21	-19	
15	6	0	-23	-17	-9	-20	-20	
16	6	23	-23	-16	-7	-20	-20	
17	6	47	-22	-15	-5	-21	-19	
18	7	11	-21	-13	-2	-20	-19	
19	7	35	-21	-12	0	-22	-19	
20	7	59	-20	-10	1	-20	-20	
21	8	22	-19	-9	3	-20	-19	
22	8	46	-18	-8	5	-20	-18	
23	9	10	-18	-8	6	-20	-18	
24	9	33	-17	-5	7	-20	-18	
25	9	57	-16	-4	8	-20	-19	
26	10	21	-16	-4	9	-20	-19	
27	10	44	-15	-2	11	-20	-17	
28	11	7	-14	-1	12	-19	-19	
29	11	31	-14	0	12	-18	-18	
30	11	54	-13	0	14	-19	-18	
31	12	18	-12	4	16	-18	-18	
32	12	42	-12	4	15	-19	-19	
33	13	6	-10	3	17	-18	-18	
34	13	29	-11	4	18	-18	-18	
35	13	53	-10	4	19	-18	-18	
36	14	16	-9	4	19	-18	-18	
37	14	39	-6	7	21	-14	-17	
38	15	2	7	9	24	-14	-18	
39	15	25	9	8	22	-15	-18	
40	15	48	12	9	22	-16	-17	
41	16	11	15	8	23	-15	-18	
42	16	35	17	8	23	-15	-18	
43	16	58	22	11	25	-14	-17	
44	17	20	21	13	23	-14	-18	
45	17	44	23	11	20	-14	-18	
46	18	7	24	13	21	-14	-17	

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4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP INLET HYD. TEMP. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
-22	-24	-21	-19	-18	-23	-22	-22	-21
-23	-24	-20	-19	-18	-23	-22	-21	-21
-23	-23	-20	-18	-19	-23	-22	-21	-21
-24	-24	-21	-18	-18	-23	-22	-22	-22
-24	-23	-21	-19	-18	-23	-22	-22	-22
-24	-24	-21	-20	-19	-24	-23	-22	-22
-24	-24	-20	-19	-18	-24	-22	-22	-22
-24	-24	-21	-19	-19	-23	-23	-22	-22
-24	-24	-21	-20	-18	-24	-22	-22	-22
-24	-20	-21	-19	-19	-24	-22	-14	-18
-23	-15	-22	-19	-19	-24	-23	-6	-15
-22	-13	-20	-19	-19	-24	-22	1	-14
-20	-10	-21	-19	-19	-23	-21	5	-10
-17	-9	-20	-20	-19	-23	-21	9	-5
-16	-7	-20	-20	-19	-23	-22	12	1
-15	-5	-21	-19	-20	-23	-21	15	3
-13	-2	-20	-19	-20	-23	-22	16	10
-12	0	-22	-19	-20	-22	-20	19	14
-10	1	-20	-20	-19	-21	-19	21	16
-9	3	-20	-19	-19	-21	-18	23	18
-8	5	-20	-18	-19	-20	-18	24	17
-8	6	-20	-18	-18	-20	-16	25	14
-5	7	-20	-18	-18	-18	-16	27	13
-4	8	-20	-19	-18	-17	-14	28	8
-4	9	-20	-19	-17	-18	-13	29	7
-2	11	-20	-17	-17	-16	-12	30	7
-1	12	-19	-19	-16	-15	-11	32	7
0	12	-18	-18	-15	-15	-11	32	4
0	14	-19	-18	-15	-14	-10	33	5
4	16	-18	-18	-16	-11	-9	29	9
4	15	-19	-19	-15	-11	-8	32	11
3	17	-18	-18	-14	-11	-6	33	10
4	18	-18	-18	-13	-10	-6	33	8
4	19	-18	-18	-12	-9	-4	35	9
4	19	-18	-18	-13	-8	-3	35	9
7	21	-14	-17	-12	-7	-2	36	12
9	24	-14	-18	-6	-4	-1	36	15
8	22	-15	-18	-8	-4	0	36	12
9	22	-16	-17	-9	-4	0	38	9
8	23	-15	-16	-8	-3	0	39	9
8	23	-15	-18	-9	-2	0	39	13
11	25	-14	-17	-6	0	2	39	13
13	23	-14	-18	-6	2	5	29	17
11	20	-14	-18	-6	1	6	31	19
13	21	-14	-17	-5	5	8	28	17

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
47	18	30	24	12	19	-13	-16
48	18	54	26	13	20	-12	-16
49	19	17	26	14	20	-11	-17
50	19	40	28	15	22	-12	-16
51	20	4	28	13	19	-10	-15
52	20	27	28	14	20	-10	-16
53	20	50	29	18	22	-10	-16
54	21	13	31	22	25	-9	-16
55	21	36	31	23	28	-10	-15
56	21	59	32	25	28	-8	-14
57	22	22	32	30	32	-7	-15
58	22	46	33	34	37	-7	-15
59	23	8	34	34	39	-6	-14
60	23	32	34	30	36	-7	-16
61	23	56	35	29	35	-6	-14
62	24	19	35	30	36	-4	-14
63	24	42	36	31	35	-4	-14
64	25	4	37	29	35	-4	-14
65	25	27	38	29	35	-4	-14
66	25	51	39	31	35	-3	-14
67	26	13	40	35	39	-2	-13
68	26	37	40	36	41	-2	-14
69	27	0	42	35	41	-2	-14
70	27	23	42	34	39	-0	-14
71	27	46	39	33	39	0	-13
72	28	9	43	33	38	1	-14
73	28	32	44	32	38	1	-13
74	28	55	43	31	39	1	-12
75	29	17	44	31	40	2	-11
76	29	40	44	30	39	2	-11
77	30	3	43	29	39	2	-11
78	30	26	43	28	39	3	-11
79	30	49	43	27	38	4	-11
80	31	11	41	27	38	4	-12
81	31	34	40	26	37	4	-11
82	31	56	41	25	37	4	-12
83	32	19	38	24	36	5	-12
84	32	42	39	24	36	5	-12
85	33	5	38	23	36	5	-10
86	33	27	36	25	35	7	-11
87	33	50	36	29	34	7	-12
88	34	13	37	28	35	7	-11
89	34	36	38	27	36	8	-11
90	34	59	36	27	36	7	-10
91	35	21	36	27	37	7	-11
92	35	44	36	27	39	8	-10
93	36	7	36	25	37	8	-10
94	36	30	36	25	36	8	-10
95	36	53	36	24	37	7	-10
96	37	16	35	24	36	8	-9

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP INLET HYD. TEMP. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
12	19	-13	-16	-5	2	7	30	23
13	20	-12	-16	-6	5	9	31	19
14	20	-11	-17	-6	4	11	32	19
15	22	-12	-16	-6	4	11	24	15
13	19	-10	-15	-6	8	12	27	17
14	20	-10	-16	-6	7	13	39	29
18	22	-10	-16	-6	7	14	50	30
22	25	-9	-16	-6	6	17	45	28
23	28	-10	-15	-4	11	17	51	32
25	28	-8	-14	-5	10	19	61	37
30	32	-7	-15	-5	11	19	66	41
34	37	-7	-15	-5	11	22	59	39
34	39	-6	-14	-5	12	23	52	35
30	36	-7	-16	-4	14	25	49	33
29	35	-6	-14	-4	14	25	48	31
30	36	-4	-14	-4	14	26	48	30
31	35	-4	-14	-4	15	27	47	30
29	35	-4	-14	-3	16	28	68	29
29	35	-4	-13	-4	22	28	50	29
31	35	-3	-14	-3	18	29	66	41
35	39	-2	-13	-4	18	29	65	41
36	41	-2	-14	-3	18	30	58	36
35	41	-2	-14	-2	19	31	53	35
34	39	-0	-14	-3	18	31	52	35
33	39	0	-13	-3	19	31	50	34
33	38	1	-14	-4	20	31	49	34
32	38	1	-13	-4	19	28	49	35
31	39	1	-12	-4	19	28	49	31
31	40	2	-11	-4	19	28	50	31
30	39	2	-11	-4	18	27	51	34
29	39	2	-11	-5	17	24	50	34
28	39	3	-11	-6	17	23	50	33
27	38	4	-11	-5	16	22	50	32
27	38	4	-12	-6	15	21	50	31
26	37	4	-11	-6	15	18	50	31
25	37	4	-12	-7	15	18	49	31
24	36	5	-12	-8	14	16	49	29
24	36	5	-12	-7	14	15	50	31
23	36	5	-10	-7	14	15	50	30
25	35	7	-11	-8	21	15	66	39
29	34	7	-12	-9	17	17	67	43
28	35	7	-11	-8	16	15	60	38
27	36	8	-11	-8	16	15	55	35
27	36	7	-10	-8	17	14	55	36
27	37	7	-11	-9	16	14	53	34
27	38	8	-10	-8	16	15	54	36
25	37	8	-10	-8	17	14	53	34
25	36	8	-10	-10	17	13	53	35
24	37	7	-10	-10	16	14	52	34
24	36	8	-9	-9	15	14	53	34

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
97	37	39	37	24	35	8	-10
98	38	2	34	24	36	10	-10
99	38	25	36	23	35	9	-10
100	38	48	36	23	37	9	-9
101	39	11	36	22	36	8	-9
102	39	34	32	23	39	9	-8
103	39	57	36	22	36	9	-8
104	40	20	34	23	36	11	-8
105	40	43	34	22	36	10	-7
106	41	6	35	22	39	11	-8
107	41	30	38	22	38	11	-7
108	41	53	35	22	35	11	-7
109	42	16	36	22	35	11	-6
110	42	39	38	22	35	11	-6
111	43	2	36	22	39	12	-6
112	43	25	35	22	35	11	-7
113	43	48	39	21	35	12	-7
114	44	11	38	21	35	12	-7
115	44	34	39	22	35	12	-8
116	44	57	37	21	36	13	-6
117	45	21	38	21	33	13	-7
118	45	44	36	21	36	13	-5
119	46	7	35	21	35	13	-6
120	46	31	38	21	34	13	-8
121	46	54	37	21	34	14	-8
122	47	17	36	21	35	13	-6
123	47	41	36	21	35	14	-4
124	48	4	40	22	36	16	-6
125	48	27	39	22	35	15	-6
126	48	51	38	22	35	14	-6
127	49	14	38	21	35	14	-5
128	49	37	39	21	33	15	-7
129	50	0	38	20	34	15	-7
130	50	22	38	20	33	14	-6
131	50	45	40	19	33	14	-7
132	51	8	39	19	32	14	-9
133	51	31	37	19	32	15	-8
134	51	54	37	19	32	14	-7
135	52	17	36	18	32	14	-7
136	52	39	41	19	31	15	-8
137	53	2	38	18	30	14	-7
138	53	25	39	18	32	14	-8
139	53	47	39	17	31	15	-7
140	54	10	38	18	31	14	-8
141	54	32	40	18	31	15	-8
142	54	55	40	18	31	14	-8
143	55	17	40	18	31	14	-8
144	55	40	39	18	31	15	-8
145	56	3	40	18	31	15	-7
146	56	26	39	18	31	15	-5

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP INLET HYD. TEMP. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
24	35	8	-10	-9	17	13	53	36
24	36	10	-10	-8	17	13	52	34
23	35	9	-10	-8	17	14	52	34
23	37	9	-9	-8	17	14	52	34
22	36	8	-9	-8	17	15	51	34
23	35	9	-8	-8	17	14	51	32
22	36	9	-8	-8	17	14	51	32
22	36	11	-8	-8	18	14	50	34
22	36	10	-7	-7	18	15	50	32
22	35	11	-8	-8	19	15	49	32
22	36	11	-7	-7	18	16	49	33
22	35	11	-7	-7	19	15	49	33
22	35	11	-6	-7	19	16	50	34
22	35	11	-6	-6	19	15	49	31
22	35	12	-6	-5	19	16	49	33
22	35	11	-7	-6	19	15	49	34
21	35	12	-7	-6	18	16	50	33
21	35	12	-7	-7	19	16	49	34
22	35	12	-8	-6	19	16	50	34
21	35	13	-6	-6	18	17	49	34
21	33	13	-7	-6	19	16	49	35
21	35	13	-6	-6	19	17	49	35
21	35	13	-6	-6	19	18	49	34
21	34	13	-8	-7	20	16	48	33
21	34	14	-6	-6	19	16	49	33
21	35	13	-5	-6	20	17	49	35
21	35	14	-4	-4	19	17	49	34
22	35	14	-6	-6	20	17	50	33
22	35	15	-6	-6	19	17	50	35
22	35	14	-6	-7	21	18	49	35
21	35	14	-5	-6	19	18	48	36
21	33	15	-7	-5	19	17	48	35
20	34	15	-7	-8	18	17	47	34
20	33	14	-6	-4	17	16	47	32
19	33	14	-7	-6	17	16	47	31
19	32	14	-9	-7	18	15	47	32
19	32	15	-8	-6	16	15	46	31
19	32	14	-7	-7	15	15	46	32
18	32	14	-7	-8	15	15	45	33
19	31	15	-8	-6	16	16	46	33
18	30	14	-7	-7	15	14	47	33
18	32	14	-8	-6	15	14	47	33
17	31	15	-7	-8	13	14	48	32
18	31	14	-8	-8	13	14	47	33
16	31	15	-8	-8	13	13	49	32
18	31	14	-8	-7	14	14	48	33
16	31	14	-8	-7	13	13	49	33
16	31	15	-6	-7	13	13	48	35
18	31	15	-7	-6	12	13	48	33
18	31	15	-6	-6	13	14	48	34

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
147	56	48	40	18	32	14	-6
148	57	11	41	17	31	15	-5
149	57	33	39	19	30	14	-5
150	57	56	41	19	31	14	-5
151	58	19	41	18	31	14	-5
152	58	41	39	19	31	14	-5
153	59	4	40	19	32	15	-4
154	59	26	40	19	31	15	-3
155	59	49	41	19	33	14	-2
156	60	11	39	19	32	15	-3
157	60	34	41	19	31	15	-3
158	60	56	39	21	33	15	-2
159	61	18	41	20	32	15	-3
160	61	41	40	22	35	14	-2
161	62	3	39	21	34	15	-2
162	62	25	43	21	33	14	-3
163	62	47	42	21	33	15	-3
164	63	9	41	20	33	15	-2
165	63	32	40	21	33	15	-1
166	63	55	43	20	33	14	-1
167	64	17	39	20	32	15	-1
168	64	39	41	24	33	14	0
169	65	2	42	25	31	15	0
170	65	25	41	23	32	15	0
171	65	48	42	22	32	15	0
172	66	11	44	22	33	15	0
173	66	33	43	22	32	15	0
174	66	56	45	21	32	15	0
175	67	19	41	24	33	15	0
176	67	41	41	25	31	15	0
177	68	4	42	23	32	15	1
178	68	26	45	23	33	15	1
179	68	49	45	23	34	17	0
180	69	11	44	22	34	15	0
181	69	34	42	23	34	17	1
182	69	57	44	23	34	16	1
183	70	19	41	23	34	18	1
184	70	41	44	22	34	17	1
185	71	4	45	23	35	17	1
186	71	26	41	23	35	17	2
187	71	49	43	21	35	18	3
188	72	11	44	18	29	18	3
189	72	34	44	18	28	19	3
190	72	57	45	18	29	18	4
191	73	19	44	19	31	17	2
192	73	42	41	19	31	17	3
193	74	5	39	19	34	18	4
194	74	27	37	22	33	19	5
195	74	50	36	22	36	19	4
196	75	13	34	22	37	19	5

4-17 IL. PUMP LET YD. EMP G.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP INLET HYD. TEMP. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
18	32	14	-6	-7	14	13	48	35
17	31	15	-5	-6	13	14	48	34
19	30	14	-5	-6	12	11	48	35
19	31	14	-5	-5	12	14	49	35
18	31	14	-5	-5	12	14	49	36
19	32	14	-5	-4	13	14	49	35
19	32	15	-4	-4	14	14	51	36
19	31	15	-3	-4	14	15	49	35
19	33	14	-2	-3	15	15	49	36
19	32	15	-3	-3	16	16	49	36
19	32	15	-3	-3	15	15	49	36
21	33	15	-2	-2	15	15	49	36
20	32	15	-3	-2	15	15	50	36
22	35	14	-2	-2	16	15	49	36
21	34	15	-2	-1	15	16	49	36
21	33	14	-3	-2	16	16	49	37
21	33	15	-3	-2	16	16	51	38
21	33	15	-2	0	19	17	51	36
21	33	15	-1	-2	17	16	50	37
20	33	14	-1	-2	16	16	50	37
20	32	15	-1	0	16	17	50	38
24	33	14	0	0	22	18	53	34
25	31	15	0	0	19	16	48	38
23	32	15	0	0	18	16	46	30
22	32	15	0	0	17	17	45	30
22	33	15	0	0	16	16	47	35
22	32	15	0	0	17	16	45	37
21	32	15	0	0	17	17	47	36
24	33	15	0	0	23	18	53	32
25	31	15	0	0	18	17	51	36
23	32	15	1	1	18	17	46	32
23	33	15	1	1	18	17	46	27
23	34	17	0	1	17	18	47	36
22	34	15	0	1	17	18	47	36
23	34	17	1	1	18	18	47	34
23	34	16	1	1	19	18	47	34
23	34	18	1	2	17	18	48	34
22	34	17	1	2	18	18	48	28
23	35	17	1	2	19	19	48	27
23	35	17	2	4	18	19	48	31
21	35	18	3	4	23	19	48	31
18	29	18	3	4	21	21	48	32
18	28	19	3	4	20	19	46	31
16	29	18	4	4	21	19	46	27
19	31	17	2	4	22	19	45	25
19	31	17	3	5	22	20	46	29
19	34	18	4	7	21	21	48	32
22	33	19	5	8	23	22	48	34
22	36	19	4	5	23	23	49	34
22	37	19	5	6	22	23	48	35

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4 ROT RUD UT IN T DE
197	75	36	33	23	31	19	5	
198	75	58	32	22	31	19	5	
199	*	*	*	*	*	*	*	

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP INLET HYD. TEMP. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
23	31	19	5	6	23	23	45	33
22	31	19	5	6	23	*	42	30
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5 EN N.G COO IN DE
2	0	54	-19	-22	-20	-20	-20	
3	1	16	-19	-22	-20	-21	-21	
4	*	*	-18	-21	-19	-20	-20	
5	2	4	-18	-22	-20	-21	-21	
6	*	26	-18	-21	-20	-21	-21	
7	2	52	-19	-22	-20	-21	-21	
8	*	15	-19	-22	-20	-21	-21	
9	3	39	-19	-22	-20	-22	-22	
10	4	3	-19	-22	-21	-21	-21	
11	4	27	-19	-23	-20	-22	-21	
12	*	49	-19	-22	-20	-21	-21	
13	*	13	-19	-22	-20	-20	-21	
14	5	39	-19	-21	-20	-22	-22	
15	6	2	-19	-22	-20	-21	-21	
16	6	25	-19	-23	-20	-21	-21	
17	6	50	-19	-21	-20	-22	-22	
18	*	11	-20	-21	-20	-21	-22	
19	7	37	-19	-22	-20	-21	-20	
20	8	1	-19	-22	-20	-21	-21	
21	8	25	-19	-22	-20	-21	-21	
22	8	48	-19	-22	-20	-21	-22	
23	9	12	-18	-23	-21	-21	-22	
24	9	35	-19	-22	-20	-22	-20	
25	9	59	-18	-22	-20	-21	-21	
26	10	23	-18	-22	-20	-21	-21	
27	10	46	-19	-22	-20	-21	-20	
28	11	9	-18	-22	-20	-21	-22	
29	*	*	-19	-23	-21	-22	-21	
30	11	56	-19	-22	-22	-22	-20	
31	12	20	-19	-22	-20	-22	-21	
32	12	44	-19	-23	-20	-22	-21	
33	*	*	-19	-22	-20	-22	-21	
34	*	*	-19	-22	-20	-22	-20	
35	*	53	-20	-22	-20	-22	-21	
36	*	*	-18	-22	-20	-22	-22	
37	14	41	-18	-22	-20	-22	-21	
38	15	4	-19	-22	-20	-21	-22	
39	15	27	-18	-22	-21	-21	-21	
40	*	48	-18	-22	-22	-21	-22	
41	16	13	-18	-23	-22	-21	-22	
42	*	*	-19	-22	-21	-22	-21	
43	17	0	-20	-22	-22	-22	-22	
44	17	22	-19	-23	-21	-22	-22	
45	17	46	-19	-23	-21	-22	-22	
46	18	9	-19	-22	-21	-22	-21	

MH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

S-06 ENG.1 OIL COOLER INLET OIL DEG.C	S-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	S-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	S-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	S-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	S-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	S-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	S-13 ENG.2 OIL COOLER INLET OIL DEG.C	S-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
-22	-20	-20	-20	-20	-20	-20	-20	-18
-22	-20	-21	-21	-21	-20	-20	-20	-18
-21	-19	-20	-20	-20	-19	-20	-20	-18
-22	-20	-21	-21	-21	-20	-19	-20	-19
-21	-20	-21	-21	-20	-20	-19	-20	-18
-22	-20	-21	-21	-20	-20	-20	-20	-18
-22	-20	-21	-21	-21	-20	-20	-20	-18
-22	-20	-22	-22	-21	-19	-20	-20	-18
-22	-21	-21	-21	-21	-21	-20	-20	-19
-23	-20	-22	-21	-20	-21	-20	-20	-19
-22	-20	-21	-21	-22	-21	-20	-21	-19
-22	-20	-20	-21	-21	-20	-20	-20	-19
-21	-20	-22	-22	-22	-20	-20	-20	-18
-22	-20	-21	-21	-21	-20	-19	-20	-18
-23	-20	-21	-21	-21	-20	-20	-20	-19
-21	-20	-22	-22	-21	-20	-20	-20	-19
-21	-20	-21	-22	-21	-21	-20	-20	-19
-22	-20	-21	-20	-21	-20	-20	-20	-18
-22	-20	-21	-21	-20	-20	-20	-21	-19
-22	-20	-21	-21	-20	-20	-19	-20	-19
-22	-20	-21	-22	-21	-19	-19	-20	-18
-23	-21	-21	-22	-21	-21	-19	-19	-19
-22	-20	-22	-20	-20	-20	-20	-20	-19
-22	-20	-21	-21	-22	-20	-20	-20	-20
-22	-20	-21	-21	-21	-21	-20	-20	-19
-22	-20	-21	-20	-21	-20	-20	-20	-18
-22	-20	-21	-22	-20	-20	-20	-20	-19
-23	-21	-22	-21	-21	-21	-19	-20	-19
-22	-22	-22	-20	-21	-20	-20	-20	-20
-22	-20	-22	-21	-22	-20	-19	-20	-19
-23	-20	-22	-21	-20	-20	-19	-20	-18
-22	-20	-22	-21	-20	-20	-18	-20	-19
-22	-20	-22	-20	-20	-20	-20	-20	-18
-22	-20	-22	-21	-20	-21	-19	-20	-18
-22	-20	-22	-21	-20	-20	-19	-20	-18
-22	-20	-21	-22	-20	-20	-18	-20	-18
-22	-21	-21	-21	-21	-20	-20	-20	-16
-22	-22	-21	-22	-21	-19	-19	-20	-19
-23	-22	-21	-22	-21	-20	-20	-20	-18
-22	-21	-22	-21	-20	-20	-19	-22	-19
-22	-22	-22	-22	-21	-20	-19	-20	-19
-23	-21	-22	-22	-21	-20	-20	-21	-20
-23	-21	-22	-22	-21	-20	-19	-20	-20
-22	-21	-22	-21	-21	-20	-19	-22	-20

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	N C
47	18	32	-19	-22	-22	-23	-22	
48	*	54	-20	-23	-22	-22	-21	
49	*	*	-20	-23	-22	-23	-22	
50	19	42	-20	-23	-23	-23	-21	
51	20	6	-19	-23	-22	-23	-21	
52	20	29	-20	-20	-20	-23	-22	
53	20	52	-18	-15	-14	-22	-22	
54	*	*	-19	-14	-12	-22	-22	
55	21	38	-19	-13	-13	-23	-22	
56	22	1	-18	-14	-12	-22	-22	
57	*	*	-18	-14	-12	-22	-21	
58	22	48	-18	-15	-13	-22	-21	
59	23	10	-18	-17	-14	-22	-22	
60	23	34	-18	-15	-14	-23	-22	
61	*	56	-18	-16	-15	-22	-22	
62	24	21	-18	-17	-15	-22	-22	
63	24	44	-19	-16	-15	-22	-22	
64	25	6	-18	-16	-15	-22	-21	
65	25	29	-18	-16	-16	-22	-20	
66	25	53	-18	-10	-11	-22	-22	
67	26	15	-16	0	0	-22	-21	
68	*	37	-10	6	6	-22	-21	
69	27	2	-5	12	11	-20	-20	
70	*	*	-1	17	16	-19	-19	
71	*	46	1	22	19	-18	-17	
72	*	*	7	25	23	-17	-12	
73	*	32	13	28	26	-16	-7	
74	*	55	18	31	30	-16	-5	
75	28	20	21	34	31	-15	-2	
76	29	42	24	38	35	-16	2	
77	*	3	29	44	41	-15	16	
78	30	28	35	52	48	-14	30	
79	30	51	39	57	53	-15	42	
80	31	13	45	64	58	-14	51	
81	31	36	51	66	60	-14	58	
82	31	58	56	70	63	-14	61	
83	32	21	58	72	64	-14	65	
84	32	44	61	76	62	-13	65	
85	33	7	60	77	62	-12	66	
86	33	29	62	78	64	-13	66	
87	33	52	62	78	61	-13	66	
88	34	15	62	79	64	-12	68	
89	34	38	62	79	64	-13	68	
90	35	1	62	79	62	-12	69	
91	35	23	62	80	62	-12	68	
92	35	46	62	81	64	-13	71	
93	36	9	62	80	61	-11	69	
94	36	32	61	81	62	-12	71	
95	36	55	61	79	63	-12	69	
96	37	18	61	76	59	-12	66	

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
-22	-22	-23	-22	-20	-20	-19	-20	-19
-23	-22	-22	-21	-21	-21	-20	-20	-20
-23	-22	-23	-22	-20	-21	-20	-21	-19
-23	-23	-23	-21	-21	-20	-20	-21	-20
-23	-22	-23	-21	-20	-21	-20	-21	-20
-20	-20	-23	-22	-21	-20	-20	-20	-20
-15	-14	-22	-22	-20	-19	-20	-20	-19
-14	-12	-22	-22	-20	-19	-19	-19	-19
-13	-13	-23	-22	-20	-20	-20	-17	-20
-14	-12	-22	-22	-20	-19	-19	-13	-13
-14	-12	-22	-21	-20	-20	-19	-11	-12
-15	-13	-22	-21	-20	-19	-19	-8	-10
-17	-14	-22	-22	-20	-20	-20	-9	-10
-15	-14	-21	-22	-20	-20	-19	-9	-10
-16	-15	-22	-22	-20	-20	-20	-10	-10
-17	-15	-22	-22	-21	-19	-20	-12	-11
-16	-15	-22	-22	-20	-20	-19	-11	-12
-16	-15	-22	-21	-20	-19	-18	-11	-12
-16	-16	-22	-20	-19	-19	-19	-11	-12
-10	-11	-22	-22	-19	-18	-18	-11	-12
0	0	-22	-21	-20	-19	-19	-12	-12
6	6	-22	-21	-20	-19	-19	-11	-12
12	11	-20	-20	-19	-19	-19	-12	-13
17	16	-19	-19	-20	-19	-18	-11	-12
22	19	-18	-17	-16	-18	-18	-12	-12
25	23	-17	-12	-14	-18	-18	-10	-12
28	25	-16	-7	-11	-18	-18	-11	-12
31	30	-16	-5	-7	-18	-18	-10	-14
34	31	-15	-2	-4	-18	-18	-11	-13
38	35	-16	2	-0	-18	-19	-11	-13
44	41	-15	16	13	-19	-18	-12	-14
52	48	-14	30	29	-17	-18	-11	-13
57	53	-15	42	42	-18	-18	-11	-14
64	58	-14	51	52	-18	-18	-12	-13
66	60	-14	58	60	-18	-18	-11	-14
70	63	-14	61	66	-18	-18	-12	-13
72	64	-14	65	73	-18	-17	-12	-13
76	62	-13	65	79	-17	-19	-11	-13
77	62	-12	66	80	-16	-17	-9	-14
78	64	-13	66	85	-16	-17	-10	-12
78	61	-13	66	86	-15	-16	1	0
79	64	-12	68	87	0	-4	9	7
79	64	-13	68	90	9	4	15	14
79	62	-12	69	91	16	12	22	19
80	62	-12	68	91	21	18	26	25
81	64	-13	71	92	26	24	30	31
80	61	-11	69	92	29	28	34	34
81	62	-12	71	93	33	31	37	36
79	63	-12	69	92	45	42	44	41
76	59	-12	66	89	56	56	51	49

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C
97	37	41	60	76	61	-12	68	86
98	38	4	60	75	62	-10	68	86
99	"	25	60	78	61	-12	67	86
100	"	"	60	77	61	-12	66	86
101	39	13	60	78	61	-11	67	87
102	"	"	60	77	62	-11	66	87
103	"	57	59	77	61	-12	67	88
104	"	20	61	77	60	-7	66	89
105	40	45	59	76	61	-6	67	88
106	41	8	61	78	62	-6	67	89
107	41	32	61	78	59	-8	67	88
108	41	55	60	77	62	-10	67	88
109	42	18	60	78	62	-9	67	88
110	42	41	61	78	62	-10	67	87
111	43	4	60	78	60	-10	67	88
112	"	25	59	78	61	-12	69	88
113	"	"	61	76	61	-12	67	88
114	"	11	60	78	61	-10	67	88
115	44	36	59	77	61	-10	67	89
116	"	57	60	77	62	-10	67	90
117	45	23	60	77	60	-11	67	86
118	"	44	59	76	61	-11	69	87
119	46	9	59	76	61	-11	68	87
120	46	33	60	75	62	-10	67	86
121	"	"	61	77	61	-10	67	88
122	47	19	61	78	61	-10	67	88
123	47	43	60	77	60	-10	68	88
124	"	4	61	76	61	-11	68	88
125	"	27	60	76	62	-11	69	88
126	48	53	60	76	62	-10	68	89
127	49	16	60	78	62	-11	68	89
128	49	39	60	79	60	-13	67	91
129	"	0	59	80	61	-12	68	91
130	50	24	60	79	60	-12	68	92
131	50	48	60	80	60	-12	69	91
132	51	10	59	81	59	-12	69	92
133	"	31	60	81	59	-13	70	92
134	51	56	59	80	59	-12	69	93
135	52	19	59	83	60	-13	70	93
136	52	42	60	83	59	-12	70	95
137	53	4	59	85	59	-13	71	97
138	53	27	59	85	61	-12	73	97
139	"	"	61	87	60	-13	73	96
140	"	10	60	87	59	-13	72	99
141	54	34	59	86	60	-13	73	101
142	54	57	60	87	62	-12	74	102
143	"	"	59	88	61	-12	74	102
144	55	42	59	88	61	-12	75	103
145	56	5	60	88	61	-12	74	101
146	56	28	61	87	61	-12	73	102

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
76	61	-12	68	86	59	65	56	54
75	62	-10	68	86	58	71	62	58
78	61	-12	67	86	57	73	64	59
77	61	-12	66	86	59	76	66	62
78	61	-11	67	87	59	76	69	63
77	62	-11	66	87	58	77	71	65
77	61	-12	67	88	58	79	74	66
77	60	-7	66	89	59	78	75	68
76	61	-6	67	88	59	79	76	68
78	62	-6	67	89	59	79	78	69
78	59	-8	67	88	59	79	79	68
77	62	-10	67	88	57	78	78	68
78	62	-9	67	88	58	78	79	70
78	62	-10	67	87	58	78	78	70
78	60	-10	67	88	59	79	79	69
78	61	-12	69	88	57	80	80	69
76	61	-12	67	88	57	79	80	68
78	61	-10	67	88	58	80	81	70
77	61	-10	67	89	59	81	81	70
77	62	-10	67	90	59	81	82	71
77	60	-11	67	88	58	81	81	70
76	61	-11	69	87	58	82	81	69
76	61	-11	68	87	59	81	82	69
76	62	-10	67	88	59	84	83	70
77	61	-10	67	88	59	82	82	71
78	61	-10	67	88	59	83	82	71
77	60	-10	68	89	59	82	83	69
76	61	-11	68	88	59	83	81	69
76	62	-11	69	88	59	81	82	69
76	62	-10	68	89	59	83	82	70
78	62	-11	68	89	59	82	84	70
79	60	-13	67	91	59	85	85	70
80	61	-12	68	91	59	86	84	70
79	60	-12	68	92	60	86	85	70
80	60	-12	69	91	60	88	86	69
81	59	-12	69	92	60	88	88	69
81	59	-13	70	92	60	88	86	69
80	59	-12	69	93	61	88	86	68
83	60	-13	70	93	61	89	88	69
85	59	-12	70	95	62	90	88	70
85	59	-13	71	97	63	93	91	70
85	61	-12	73	97	64	92	90	70
87	60	-13	73	98	65	95	90	69
87	59	-13	72	99	66	96	91	69
86	60	-13	73	100	65	96	91	69
87	62	-12	74	102	65	96	91	70
88	61	-12	74	102	66	97	91	70
88	61	-12	75	101	65	96	92	70
88	61	-12	74	101	66	97	93	69
87	61	-12	74	102	66	98	92	70

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-1 ENG. N.G.B COOLE INLE OI DEG.
147	56	50	60	88	61	-12	73	102
148	57	13	61	86	60	-10	73	101
149	57	35	61	86	60	-12	73	100
150	57	58	61	86	60	-12	72	99
151	58	21	59	85	59	-12	72	99
152	58	43	59	85	60	-11	72	97
153	*	4	59	83	60	-11	71	97
154	59	28	60	83	60	-11	71	97
155	*	*	59	83	59	-10	71	96
156	*	11	60	83	59	-10	71	96
157	60	36	59	83	59	-11	71	95
158	60	58	60	83	59	-11	70	95
159	*	*	58	82	59	-10	71	95
160	61	43	59	83	59	-12	71	96
161	*	3	59	83	59	-8	71	96
162	62	27	59	82	59	-7	71	95
163	62	49	58	82	59	-8	71	95
164	63	11	59	81	58	-10	74	94
165	*	32	59	76	69	-8	71	91
166	*	53	60	74	66	-8	71	88
167	*	17	59	70	63	-7	70	86
168	64	42	59	71	63	-7	63	84
169	65	4	59	73	65	-7	64	83
170	65	27	58	72	65	-7	62	79
171	65	50	55	73	67	-8	63	81
172	66	13	56	79	56	-11	65	84
173	*	33	56	81	58	-11	66	87
174	66	56	56	82	59	-12	67	89
175	*	19	57	83	59	-13	68	91
176	*	41	58	85	59	-12	70	92
177	68	6	58	85	60	-12	69	94
178	68	29	59	86	60	-12	70	95
179	*	49	59	83	59	-11	69	95
180	69	13	60	82	58	-10	69	93
181	*	36	59	80	58	-8	68	92
182	69	59	59	79	57	-10	67	91
183	*	19	57	78	58	-10	68	90
186	70	43	57	77	56	-10	68	90
185	71	6	57	77	56	-9	67	89
186	*	26	57	77	58	-10	67	89
187	*	49	57	75	56	-9	66	89
188	72	14	56	76	56	-9	66	88
189	72	36	55	73	58	-9	68	86
190	72	59	56	70	64	-7	72	83
191	73	21	56	68	63	-7	71	82
192	73	44	56	66	62	-6	68	81
193	*	*	57	65	60	-7	66	81
194	74	30	57	63	62	-6	63	79
195	74	52	56	61	60	-6	62	76
196	75	15	55	59	59	-7	60	77

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
88	61	-12	73	102	66	98	92	69
86	60	-10	73	101	66	98	90	69
86	60	-12	73	100	65	96	90	68
86	60	-12	72	99	65	96	90	69
85	59	-12	72	99	64	95	88	68
85	60	-11	72	97	64	93	88	69
83	60	-11	71	97	65	92	88	68
83	60	-11	71	97	64	93	88	69
83	59	-10	71	96	64	92	88	68
83	59	-10	71	96	64	92	86	68
83	59	-11	71	95	64	92	86	68
83	59	-11	70	95	64	92	85	68
82	59	-10	71	95	63	92	86	67
83	59	-12	71	96	63	92	86	68
83	59	-8	71	96	64	92	87	68
82	59	-7	71	95	63	92	86	68
82	59	-8	71	95	64	92	86	67
81	65	-10	74	94	63	91	87	66
76	69	-8	71	91	64	92	87	68
74	66	-8	71	88	64	94	89	67
70	63	-7	70	86	64	94	89	68
71	63	-7	63	84	65	94	89	67
73	55	-7	64	83	65	95	90	68
72	55	-7	62	79	64	95	89	67
73	57	-8	63	81	64	95	88	69
78	56	-11	65	84	69	90	85	78
81	58	-11	66	87	68	86	81	75
82	59	-12	67	89	62	83	78	71
83	59	-13	68	91	62	79	78	66
85	59	-12	70	92	59	81	81	65
85	60	-12	69	94	56	75	79	65
86	60	-12	70	95	56	76	79	65
83	59	-11	69	95	59	79	81	64
82	58	-10	69	93	58	81	81	65
80	58	-8	68	92	59	81	81	64
79	57	-10	67	91	59	82	81	65
78	58	-10	68	90	59	82	81	64
77	56	-10	68	90	60	82	81	64
77	56	-9	67	89	60	82	82	64
77	58	-10	67	89	60	82	82	65
75	56	-9	66	89	61	83	80	65
76	56	-9	66	88	60	83	80	64
73	58	-9	68	86	65	81	79	70
70	64	-7	72	83	64	79	75	71
68	53	-7	71	82	62	76	74	69
66	62	-6	68	81	61	76	72	69
65	60	-7	66	81	59	75	70	68
63	62	-6	63	79	59	74	68	67
61	60	-6	62	78	58	73	64	67
59	59	-7	60	77	56	72	62	66

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	N C
197	75	38	56	59	59	-6	59	
198	76	0	55	57	59	-6	59	
199	*	*	*	*	*	*	*	

-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
LER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
LET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
59	59	-6	59	76	55	72	60	65
57	59	-6	59	76	55	71	59	55
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-15 ACCESS GEAR BOX OIL TEMP DEG.C	S-16 MAIN G.BOX COOLER INLET OIL DEG.C	S-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	S-18 INTER. GEAR BOX OIL TEMP DEG.C	S-19 TAIL GEAR BOX OIL TEMP DEG.C	S- GEN MA TE DEG
2	0	54	-24	-20	-21	-22	-16	-
3	1	16	-24	-20	-21	-21	-18	-
4	"	"	-24	-20	-20	-22	-18	-
5	2	4	-24	-21	-21	-22	-18	-
6	"	26	-24	-20	-21	-21	-18	-
7	2	52	-24	-20	-21	-22	-18	-
8	3	15	-24	-20	-21	-22	-18	-
9	3	39	-24	-21	-22	-22	-18	-
10	4	3	-24	-21	-21	-22	-18	-
11	4	27	-24	-21	-21	-21	-19	-
12	4	49	-20	-21	-21	-22	-18	-
13	5	13	-17	-21	-21	-22	-18	-
14	5	39	-12	-21	-22	-22	-18	-
15	6	2	-12	-20	-21	-22	-18	-
16	6	25	-9	-22	-21	-21	-18	-
17	6	50	-6	-20	-21	-21	-18	-
18	"	11	-2	-21	-21	-19	-18	-
19	7	37	1	-21	-22	-18	-18	-
20	8	1	4	-21	-21	-17	-18	-
21	8	25	6	-20	-21	-16	-18	-
22	"	48	8	-21	-21	-15	-18	-
23	9	12	9	-21	-21	-15	-18	-
24	9	35	11	-21	-22	-14	-19	-
25	9	59	13	-21	-21	-14	-18	-
26	10	23	15	-20	-21	-13	-18	
27	10	46	16	-20	-21	-13	-18	
28	11	9	19	-21	-20	-13	-18	
29	"	"	21	-21	-21	-12	-17	
30	11	56	22	-21	-21	-12	-18	
31	12	20	24	-21	-21	-10	-18	
32	12	44	25	-22	-21	-10	-18	
33	"	"	27	-21	-20	-9	-18	
34	"	"	27	-21	-20	-9	-18	
35	"	53	29	-21	-22	-9	-18	
36	"	"	29	-21	-21	-8	-18	
37	14	41	32	-21	-21	-8	-17	
38	15	4	32	-21	-21	-8	-18	
39	15	27	33	-21	-21	-8	-16	
40	"	48	34	-21	-20	-8	-17	
41	16	13	35	-21	-22	-9	-17	
42	"	"	36	-22	-21	-8	-18	
43	17	0	37	-22	-21	-8	-17	
44	17	22	37	-22	-22	-9	-17	
45	17	46	38	-22	-22	-8	-18	
46	18	9	39	-22	-22	-8	-18	

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CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

S-16 MAIN BOX OLER MLET OIL G.C	S-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	S-18 INTER. GEAR BOX OIL TEMP DEG.C	S-19 TAIL GEAR BOX OIL TEMP DEG.C	S-20 GEN.1 MASS TEMP DEG.C	S-21 FUEL TEMP. TO COMBST HEATER DEG.C	S-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	S-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	S-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
-20	-21	-22	-16	-20	-23	-20	-20	-20
-20	-21	-21	-18	-20	-23	-20	-20	-20
-20	-20	-22	-18	-20	-23	-20	-20	-20
-21	-21	-22	-18	-20	-23	-20	-20	-20
-20	-21	-21	-18	-20	-24	-20	-20	-20
-20	-21	-22	-18	-20	-23	-20	-20	-20
-20	-21	-22	-18	-20	-24	-20	-20	-20
-21	-22	-22	-18	-20	-23	-20	-20	-21
-21	-21	-22	-18	-20	-24	-20	-20	-20
-21	-21	-21	-19	-20	-24	-20	-20	-20
-21	-21	-22	-18	-20	-24	-20	-20	-20
-21	-21	-22	-18	-20	-22	-21	-21	-20
-21	-22	-22	-18	-21	-19	-20	-19	-20
-20	-21	-22	-18	-19	-20	-20	-20	-20
-22	-21	-21	-18	-18	-18	-19	-20	-20
-20	-21	-21	-18	-18	-16	-19	-20	-19
-21	-21	-19	-18	-17	-12	-18	-20	-20
-21	-22	-18	-18	-16	-9	-17	-20	-20
-21	-21	-17	-18	-15	-6	-17	-19	-19
-20	-21	-16	-18	-14	-8	-16	-20	-19
-21	-21	-15	-18	-14	-5	-15	-20	-19
-21	-21	-15	-18	-13	-6	-16	-20	-18
-21	-22	-14	-19	-11	0	-14	-19	-19
-21	-21	-14	-18	-10	0	-14	-19	-19
-20	-21	-13	-18	-8	-4	-14	-19	-17
-20	-21	-13	-18	-8	0	-13	-19	-18
-21	-20	-13	-18	-7	0	-13	-19	-17
-21	-21	-12	-17	-6	0	-12	-19	-18
-21	-21	-12	-18	-4	1	-12	-19	-18
-21	-21	-10	-18	-3	0	-12	-19	-18
-22	-21	-10	-18	-3	5	-12	-18	-17
-21	-20	-9	-18	-0	1	-11	-19	-17
-21	-20	-9	-18	-0	7	-11	-19	-18
-21	-22	-9	-18	0	6	-11	-19	-17
-21	-21	-8	-18	2	4	-10	-18	-17
-21	-21	-8	-17	2	2	-10	-18	-16
-21	-21	-8	-16	3	1	-10	-18	-16
-21	-21	-8	-16	4	6	-9	-18	-16
-21	-20	-8	-17	5	4	-10	-18	-16
-21	-22	-9	-17	5	5	-10	-18	-16
-22	-21	-8	-18	7	5	-9	-19	-16
-22	-21	-8	-17	7	4	-9	-18	-18
-22	-22	-9	-17	8	4	-9	-18	-15
-22	-22	-8	-18	8	7	-8	-18	-16
-22	-22	-8	-18	9	6	-8	-18	-16

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-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5- GEN HA TE DEG
47	18	32	40	-22	-22	-8	-18	1
48	*	54	41	-22	-22	-8	-18	1
49	*	*	41	-22	-22	-9	-18	1
50	19	42	41	-22	-21	-9	-18	1
51	20	6	42	-22	-21	-9	-17	1
52	20	29	44	-22	-22	-9	-17	1
53	20	52	44	-22	-20	-8	-17	1
54	*	*	44	-22	-21	-8	-17	1
55	21	38	45	-22	-22	-8	-17	1
56	22	1	46	-22	-21	-6	-17	1
57	*	*	48	-22	-21	-7	-17	1
58	22	48	47	-21	-22	-7	-16	1
59	23	10	49	-22	-22	-9	-18	1
60	23	34	49	-22	-22	-9	-17	1
61	*	56	49	-21	-21	-9	-17	2
62	24	21	50	-22	-21	-9	-16	2
63	24	44	51	-21	-20	-10	-16	2
64	25	6	52	-22	-21	-10	-17	2
65	25	29	52	-21	-22	-10	-17	2
66	25	53	53	-21	-20	-10	-16	2
67	26	15	54	-21	-21	-11	-17	2
68	*	37	55	-22	-21	-10	-16	2
69	27	2	55	-21	-21	-11	-16	2
70	*	*	54	-17	-16	-12	-16	2
71	*	46	55	-16	-16	-13	-15	2
72	*	*	55	-16	-15	-12	-14	2
73	*	32	56	-16	-15	-14	-11	2
74	*	55	55	-14	-15	-14	-10	2
75	29	20	55	-14	-14	-14	-7	1
76	29	42	55	-13	-13	-15	-5	1
77	*	3	54	-10	-9	-16	-1	1
78	30	28	53	-4	-4	-16	2	1
79	30	51	53	0	0	-16	4	1
80	31	13	52	4	4	-16	7	1
81	31	36	53	8	7	-15	8	1
82	31	58	51	11	9	-14	9	1
83	32	21	52	13	13	-13	10	1
84	32	44	51	17	15	-11	11	1
85	33	7	51	19	18	-10	12	1
86	33	29	51	22	20	-7	13	1
87	33	52	50	25	23	-7	12	1
88	34	15	51	27	27	-4	12	1
89	34	38	52	29	28	-3	13	1
90	35	1	51	31	29	-0	15	1
91	35	23	51	33	31	-2	14	1
92	35	46	51	35	33	-1	15	1
93	36	9	51	37	35	0	15	1
94	36	32	48	38	36	1	15	1
95	36	55	49	40	38	0	16	1
96	37	18	49	41	39	2	17	1

5-16 MAIN GBOX COOLER OUTLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTH RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
-22	-22	-8	-18	11	9	-8	-18	-15
-22	-22	-8	-18	11	8	-8	-18	-16
-22	-22	-9	-18	11	9	-8	-16	-15
-22	-21	-9	-18	11	12	-8	-18	-15
-22	-21	-9	-17	13	7	-8	-18	-14
-22	-22	-9	-17	14	6	-8	-18	-14
-22	-20	-8	-17	15	11	-7	-16	-14
-22	-21	-8	-17	15	8	-7	-17	-14
-22	-22	-8	-17	16	5	-6	-17	-14
-22	-21	-6	-17	17	9	-6	-16	-14
-22	-21	-7	-17	18	11	-6	-17	-14
-21	-22	-7	-16	19	9	-6	-17	-13
-22	-22	-9	-18	19	12	-6	-17	-13
-22	-22	-9	-17	19	8	-2	-15	-11
-21	-21	-9	-17	20	11	1	-14	-11
-22	-21	-9	-16	21	11	2	-12	-9
-21	-20	-10	-16	22	11	2	-12	-9
-22	-21	-10	-17	22	10	3	-11	-7
-21	-22	-10	-17	23	11	4	-11	-7
-21	-20	-10	-16	24	11	4	-10	-6
-21	-21	-11	-17	24	14	6	-10	-6
-22	-21	-10	-16	25	11	6	-10	-3
-21	-21	-11	-16	24	15	7	-10	-2
-17	-16	-12	-16	25	9	7	-10	-1
-16	-16	-13	-15	24	11	7	-9	0
-16	-15	-12	-14	24	12	8	-8	0
-16	-15	-14	-11	23	9	9	-8	0
-16	-15	-14	-10	23	15	9	-8	0
-14	-14	-14	-7	22	16	9	-8	1
-13	-13	-15	-5	22	9	10	-8	1
-10	-9	-16	-1	20	12	10	-6	2
-4	-4	-16	2	21	14	11	-6	2
0	0	-16	4	20	15	11	-6	3
4	4	-16	7	20	12	12	-6	3
8	7	-15	8	21	9	12	-6	4
11	9	-14	9	21	11	12	-4	4
13	11	-13	10	21	13	14	-4	4
17	15	-11	11	22	7	14	-4	5
19	18	-10	12	20	6	15	-3	6
22	20	-7	13	22	15	15	-3	6
25	23	-7	12	22	7	15	-2	7
27	27	-4	12	21	11	16	-2	7
29	28	-3	13	22	11	17	-1	7
31	29	-0	15	22	14	18	0	8
33	31	-2	14	22	9	19	-1	8
34	33	-1	15	22	14	19	0	8
37	35	0	15	22	14	21	0	9
38	36	1	15	22	8	20	0	9
40	38	0	16	22	7	21	0	9
41	39	2	17	21	9	22	0	10

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-2 GEN. MAS TEM DEG.
97	37	41	49	42	40	2	18	2
98	38	4	48	45	41	4	18	2
99	*	25	48	46	43	4	17	2
100	*	*	48	48	44	6	18	2
101	39	13	48	48	44	5	18	2
102	*	*	49	49	46	6	19	2
103	*	57	48	50	47	7	19	2
104	*	20	48	52	48	7	20	2
105	40	45	47	52	49	8	20	2
106	41	8	48	54	50	8	20	2
107	41	32	48	55	51	9	21	2
108	41	55	46	55	51	9	20	2
109	42	18	46	56	52	10	21	2
110	42	41	46	56	54	10	21	2
111	43	4	46	57	52	10	21	2
112	*	25	48	58	53	10	22	2
113	*	*	47	59	53	11	22	2
114	*	11	46	60	53	11	22	2
115	44	36	46	60	54	11	22	2
116	*	57	47	61	54	11	22	2
117	45	23	46	61	55	12	23	2
118	*	44	48	62	55	11	24	2
119	46	9	48	63	55	12	24	2
120	46	33	47	64	55	12	23	2
121	*	*	46	64	55	13	24	2
122	47	19	47	65	56	13	25	2
123	47	43	48	64	56	14	24	2
124	*	4	48	64	56	14	25	2
125	*	27	48	65	56	14	24	2
126	48	53	46	66	56	13	25	2
127	49	16	46	65	56	13	24	2
128	49	39	46	66	56	12	26	2
129	*	0	45	66	56	12	24	2
130	50	24	44	68	56	11	24	2
131	50	48	44	68	56	10	24	2
132	51	10	45	69	56	9	24	2
133	*	31	45	68	56	9	23	2
134	51	56	44	69	56	9	24	2
135	52	19	45	71	56	10	24	2
136	52	42	45	71	57	11	25	2
137	53	4	45	73	58	11	26	2
138	53	27	46	74	58	11	25	2
139	*	*	44	76	58	11	26	2
140	*	10	45	77	59	10	25	2
141	54	34	45	78	58	10	27	2
142	54	57	44	79	59	11	27	2
143	*	*	44	79	60	11	26	2
144	55	42	45	80	60	11	27	2
145	56	5	44	81	59	11	27	2
146	56	28	45	82	59	11	28	2

S-16 MAIN G.BOX COOLER INLET OIL DEG.C	S-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	S-18 INTER. GEAR BOX OIL TEMP DEG.C	S-19 TAIL GEAR BOX OIL TEMP DEG.C	S-20 GEN.1 MASS TEMP DEG.C	S-21 FUEL TEMP. TO COMBST HEATER DEG.C	S-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	S-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	S-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
42	40	2	18	22	11	23	2	11
45	41	4	18	22	9	23	1	11
46	43	4	17	22	13	23	2	11
48	44	6	18	22	9	22	2	11
48	44	5	18	23	11	22	3	12
49	46	6	19	23	8	21	3	11
50	47	7	19	23	14	21	3	13
52	48	7	20	23	20	20	2	14
52	49	8	20	24	14	20	4	14
54	50	8	20	24	11	21	4	13
55	51	9	21	24	15	22	5	12
55	51	9	20	25	17	21	5	13
56	52	10	21	25	20	21	5	14
56	54	10	21	24	11	21	4	14
57	52	10	21	24	14	21	5	15
58	53	10	22	24	11	19	4	14
59	53	11	22	24	15	19	5	14
60	54	11	22	24	14	20	5	14
60	54	11	22	24	17	21	5	15
61	54	11	22	25	16	21	5	15
61	55	12	23	25	18	21	5	14
62	55	11	24	26	17	20	6	15
63	55	12	24	26	13	19	7	14
64	55	12	23	24	14	20	6	15
64	55	13	24	26	21	21	6	15
65	56	13	25	27	19	21	7	16
64	56	14	24	26	18	21	7	15
64	56	14	25	26	13	19	6	15
65	56	14	24	26	22	20	7	15
66	56	13	25	26	14	20	8	17
65	56	13	24	26	15	20	8	16
66	56	12	26	25	17	20	8	15
66	56	12	24	24	15	19	8	16
68	56	11	24	24	17	20	7	15
68	56	10	24	24	16	20	7	15
69	56	9	24	23	18	19	7	15
68	56	9	23	23	13	18	8	15
69	56	9	24	23	14	19	7	15
71	56	10	24	22	8	19	7	15
71	57	11	25	23	15	18	8	15
73	58	11	26	22	15	18	7	16
74	58	11	25	23	15	19	7	15
76	58	11	26	23	8	17	7	16
77	59	10	25	23	17	18	8	15
78	58	10	27	23	14	18	8	14
79	59	11	27	23	9	18	7	15
79	60	11	26	23	14	18	8	15
80	60	11	27	23	11	18	8	15
81	59	11	27	24	18	17	8	16
82	59	11	28	23	16	18	8	15

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
147	56	50	44	82	59	11	28
148	57	13	45	82	60	11	28
149	57	35	44	83	59	12	28
150	57	58	44	82	59	11	28
151	58	21	44	82	59	12	28
152	58	43	44	82	60	12	28
153	*	4	44	81	59	12	28
154	59	28	44	80	59	13	29
155	*	*	44	79	58	13	28
156	*	11	45	78	59	13	29
157	60	36	45	78	58	14	30
158	60	58	45	78	58	14	29
159	*	*	45	78	58	16	29
160	61	43	45	78	59	15	30
161	*	*	44	78	58	15	30
162	62	27	44	78	57	16	31
163	62	49	45	77	57	16	31
164	63	11	45	77	57	15	31
165	*	32	44	76	58	16	31
166	*	55	44	76	59	17	30
167	*	17	44	76	57	18	31
168	64	42	44	76	57	17	31
169	65	4	44	75	56	17	31
170	65	27	44	75	57	18	30
171	65	50	43	75	57	18	31
172	66	13	44	75	57	17	31
173	*	33	44	75	57	18	31
174	66	56	44	75	57	18	32
175	*	19	44	74	57	18	31
176	*	41	44	74	56	17	32
177	68	6	44	74	56	18	32
178	68	28	44	74	57	18	32
179	*	49	45	74	56	18	32
180	69	13	45	75	56	17	32
181	*	34	44	73	56	18	33
182	69	59	45	73	56	18	32
183	*	19	46	72	57	18	32
184	70	43	45	72	56	19	33
185	71	6	45	72	55	19	33
186	*	26	45	72	56	20	34
187	*	49	45	71	55	20	34
188	72	14	45	71	56	21	34
189	72	36	46	71	58	22	33
190	72	59	48	71	60	21	32
191	73	21	49	68	59	21	33
192	73	44	51	69	56	20	33
193	*	*	51	58	50	19	32
194	74	30	52	54	48	20	32
195	74	52	53	51	46	19	32
196	75	15	48	48	44	19	31

5-16 MAIN GBOX OILER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
82	59	11	28	22	14	18	8	16
82	60	11	28	23	7	17	8	15
83	59	12	28	23	14	17	7	14
82	59	11	28	23	14	18	7	15
82	59	12	28	23	14	18	8	16
82	60	12	28	23	9	17	8	15
81	59	12	28	23	19	17	8	15
80	59	13	29	24	16	18	8	14
79	58	13	28	24	14	18	8	16
78	59	13	29	23	11	17	8	16
78	58	14	30	24	19	17	8	15
78	58	14	29	24	12	17	8	16
78	58	16	29	24	14	18	8	15
78	59	15	30	24	12	18	9	15
78	58	15	30	24	18	18	8	16
78	57	16	31	24	20	18	8	15
77	57	16	31	24	16	18	8	16
77	57	15	31	23	11	17	8	15
76	58	16	31	24	16	17	8	15
76	59	17	30	24	18	17	8	16
76	57	18	31	23	12	17	9	16
76	57	17	31	24	14	18	8	16
75	56	17	31	23	7	17	9	15
75	57	18	30	24	19	17	9	15
75	57	18	31	24	14	17	10	17
75	57	17	31	24	12	17	9	16
75	57	18	31	24	11	17	9	16
75	57	18	32	24	15	17	9	15
74	57	18	31	25	20	17	9	16
74	56	17	32	24	11	19	9	17
74	56	18	32	24	10	18	9	16
74	57	18	32	24	7	17	9	16
74	56	18	32	25	18	16	9	17
73	56	17	32	25	18	17	9	18
73	56	18	33	26	14	17	9	17
73	56	18	32	27	15	18	9	17
72	57	18	32	28	13	17	10	16
72	56	19	33	28	18	17	9	17
72	55	19	33	27	18	17	11	17
72	56	20	34	27	16	19	11	16
71	55	20	34	28	13	17	11	14
71	56	21	35	29	11	15	9	13
71	55	22	33	28	11	15	9	12
71	60	21	32	29	9	13	8	11
69	59	21	33	29	10	12	8	11
69	56	20	33	30	8	13	8	10
68	50	19	32	32	6	13	8	10
64	48	20	32	31	8	13	7	10
61	46	19	32	32	7	12	7	9
60	44	19	31	33	7	12	7	9

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-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	G D
197	75	38	46	46	44	18	30	
198	76	0	44	45	43	18	30	
199	*	*	*	*	*	*	*	

-16	5-17	5-18	5-19	5-20	5-21	5-22	5-23	5-24
AIN	MAIN	INTER.	TAIL	GEN.1	FUEL	L.ELEC	L.ELEC	L.ELEC
.BOX	G.BOX	GEAR	GEAR	MASS	TEMP.	COMPT	COMPT	COMPT
LER	COOLER	BOX	BOX	TEMP	TO	TOPCTR	BTM RT	BTMLFT
LET	OUTLET	OIL	OIL		COMBST	AIR	AIR	AIR
OIL	OIL	TEMP	TEMP		HEATER	TEMP	TEMP	TEMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
46	44	18	30	33	8	12	6	8
45	43	18	30	34	7	14	7	8
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
2	0	54	-20	-20	-20	-14	-20
3	1	16	-20	-20	-20	-14	-20
4	*	*	-19	-20	-20	-15	-20
5	2	4	-19	-21	-20	-15	-21
6	*	26	-19	-20	-20	-15	-20
7	2	52	-20	-20	-20	-15	-20
8	3	15	-20	-20	-20	-15	-20
9	3	39	-20	-20	-21	-15	-22
10	4	3	-20	-20	-21	-15	-21
11	4	27	-20	-21	-22	-15	-20
12	*	49	-20	-20	-20	-15	-20
13	*	13	-20	-20	-21	-15	-20
14	5	39	-19	-20	-21	-15	-19
15	6	2	-20	-19	-18	-15	-18
16	6	25	-19	-19	-19	-15	-16
17	6	50	-19	-18	-19	-16	-16
18	*	11	-19	-18	-18	-14	-14
19	7	37	-18	-18	-19	-15	-12
20	8	1	-18	-16	-18	-15	-11
21	*	25	-19	-16	-17	-15	-10
22	8	48	-17	-16	-18	-15	-8
23	9	12	-18	-16	-17	-15	-8
24	9	35	-17	-16	-16	-15	-6
25	9	59	-18	-16	-16	-15	-4
26	10	23	-16	-15	-15	-14	-4
27	10	46	-16	-16	-15	-15	-3
28	11	9	-18	-15	-15	-15	-2
29	*	*	-16	-14	-16	-15	-1
30	11	56	-16	-14	-15	-14	0
31	12	20	-16	-14	-14	-14	1
32	12	44	-16	-13	-14	-15	1
33	*	*	-16	-14	-15	-15	3
34	*	*	-15	-14	-13	-15	4
35	*	53	-16	-13	-14	-15	4
36	*	*	-15	-13	-14	-14	5
37	14	41	-16	-13	-13	-14	6
38	15	4	-15	-13	-13	-14	7
39	15	27	-15	-12	-14	-15	7
40	*	48	-14	-12	-13	-14	8
41	16	13	-14	-12	-13	-14	9
42	*	*	-14	-13	-13	-15	8
43	17	0	-14	-13	-13	-15	10
44	17	22	-14	-12	-13	-15	11
45	17	46	-14	-12	-12	-15	11
46	18	9	-14	-11	-13	-15	12

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
47	18	32	-14	-11	-12	-15	12
48	*	54	-13	-12	-12	-15	12
49	*	*	-13	-12	-13	-15	14
50	19	42	-13	-11	-12	-15	14
51	20	6	-12	-11	-11	-15	14
52	20	29	-13	-10	-11	-14	16
53	20	52	-12	-10	-10	-15	17
54	*	*	-12	-10	-10	-15	16
55	21	38	-12	-10	-11	-14	17
56	22	1	-11	-9	-12	-15	17
57	*	*	-12	-8	-10	-16	18
58	22	48	-12	-8	-11	-15	19
59	23	10	-12	-9	-8	-15	19
60	23	34	-3	-9	-6	-15	20
61	*	56	1	-7	-4	-15	20
62	24	21	3	-6	0	-15	21
63	24	44	4	-6	0	-15	22
64	25	6	5	-4	0	-15	23
65	25	29	6	-4	0	-15	23
66	25	53	7	-3	1	-15	24
67	26	15	8	-2	2	-15	24
68	*	37	8	-2	2	-15	25
69	27	2	8	-2	3	-14	26
70	*	*	9	-0	4	-15	25
71	*	46	11	0	4	-14	25
72	*	*	11	0	5	-14	27
73	*	32	11	0	5	-14	25
74	*	55	12	0	5	-14	25
75	29	20	11	1	6	-14	26
76	29	42	13	1	7	-15	26
77	*	3	12	2	7	-14	26
78	30	28	14	2	8	-14	25
79	30	51	14	3	8	-14	25
80	31	13	14	3	9	-14	25
81	31	36	16	3	10	-14	25
82	31	58	15	4	11	-14	25
83	32	21	17	4	10	-14	25
84	32	44	19	5	11	-13	26
85	33	7	19	6	11	-14	25
86	33	29	19	7	14	-13	25
87	33	52	22	7	13	-13	25
88	34	15	22	8	15	-14	25
89	34	38	23	9	15	-13	25
90	35	1	24	9	16	-14	25
91	35	23	24	9	16	-14	26
92	35	46	26	11	16	-14	25
93	36	9	27	11	17	-13	25
94	36	32	27	11	18	-13	25
95	36	55	27	11	18	-14	25
96	37	18	28	12	19	-13	24

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	S-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	S-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	S-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	S-29 GEN.2 MASS TEMP DEG.C
97	37	1	29	13	20	-13	25
98	38	4	28	14	18	-13	24
99	*	25	28	13	18	-14	24
100	*	*	27	13	18	-12	25
101	39	13	25	13	18	-14	25
102	*	*	24	14	18	-14	24
103	*	57	25	13	18	-14	26
104	*	20	26	12	18	-14	25
105	40	45	26	14	19	-13	25
106	41	8	25	14	19	-14	25
107	41	32	25	13	19	-13	26
108	41	55	23	15	22	-13	25
109	42	18	24	14	18	-12	26
110	42	41	24	13	18	-13	25
111	43	4	24	15	19	-14	25
112	*	25	22	14	19	-14	25
113	*	*	22	14	18	-13	26
114	*	11	22	15	18	-13	25
115	44	36	22	16	18	-14	25
116	*	57	22	16	18	-14	25
117	45	23	21	16	19	-14	26
118	*	44	22	16	19	-13	26
119	46	9	22	16	19	-13	25
120	46	33	22	17	21	-13	27
121	*	*	20	17	19	-13	26
122	47	19	22	17	19	-13	45
123	47	43	22	17	21	-13	27
124	*	4	23	16	21	-13	28
125	*	27	22	17	19	-13	27
126	48	53	22	17	19	-13	27
127	49	16	21	18	20	-13	27
128	49	39	21	17	19	-13	26
129	*	0	22	17	19	-14	26
130	50	24	21	17	19	-14	25
131	50	48	19	18	18	-14	25
132	51	10	21	17	19	-14	24
133	*	31	21	17	20	-14	24
134	51	56	19	17	19	-14	25
135	52	19	19	18	19	-14	24
136	52	42	19	18	19	-14	24
137	53	4	20	17	19	-14	24
138	53	27	19	18	19	-14	24
139	*	*	20	18	19	-14	23
140	*	10	19	18	19	-14	25
141	54	34	19	18	19	-13	24
142	54	57	21	18	19	-14	24
143	*	*	19	18	18	-14	24
144	55	42	19	18	19	-13	24
145	56	5	21	18	20	-13	24
146	56	24	21	18	19	-13	24

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
147	56	50	20	18	18	-14	24
148	57	13	20	17	19	-13	24
149	57	35	18	18	19	-14	25
150	57	58	19	18	19	-14	23
151	58	21	20	18	19	-14	24
152	58	43	20	18	19	-13	23
153	*	4	19	18	21	-13	23
154	59	28	21	18	19	-13	24
155	*	*	22	17	21	-13	24
156	*	11	20	17	20	-14	24
157	60	35	20	18	21	-14	23
158	60	58	19	18	20	-13	24
159	*	*	20	18	20	-12	24
160	61	43	21	18	19	-13	24
161	*	3	18	19	19	-14	24
162	62	27	19	18	20	-14	24
163	62	49	20	18	19	-13	24
164	63	11	21	19	20	-13	24
165	*	32	19	18	18	-14	24
166	*	55	19	19	19	-14	24
167	*	17	19	18	19	-14	23
168	64	42	19	18	21	-14	24
169	65	4	19	19	19	-13	24
170	65	27	19	19	19	-14	24
171	65	50	19	18	19	-14	23
172	66	13	18	18	19	-14	23
173	*	33	19	19	19	-14	25
174	66	58	19	18	20	-14	24
175	*	19	19	19	22	-14	25
176	*	41	19	18	20	-14	23
177	68	6	18	18	21	-14	65
178	68	28	19	19	21	-14	24
179	*	49	19	18	22	-14	25
180	69	13	21	19	20	-14	26
181	*	34	21	19	21	-13	26
182	69	59	19	18	18	-14	27
183	*	19	19	18	18	-14	27
184	70	43	18	18	18	-14	28
185	71	6	19	17	18	-13	27
186	*	26	20	17	19	-14	28
187	*	49	17	17	18	-14	28
188	72	14	17	16	16	-13	29
189	72	36	16	15	16	-14	28
190	72	59	16	15	14	-13	29
191	73	21	16	14	13	-14	29
192	73	44	16	13	12	-14	29
193	*	*	15	12	12	-14	29
194	74	30	15	12	13	-14	31
195	74	52	16	11	12	-14	30
196	75	15	16	11	12	-13	31

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 NASS TEMP DEG.C
197	75	38	15	11	11	-13	32
198	76	0	15	11	11	-14	33
199	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	E I AF D
2	0	56	-22	*	-24	-20	*	
3	1	19	-20	*	*	-19	*	
4	1	42	-21	*	*	-20	*	
5	2	6	-21	*	*	*	*	
6	*	*	-21	*	-24	-20	*	
7	2	54	-22	*	*	-19	*	
8	*	*	-22	*	-24	-20	*	
9	*	*	-22	*	*	*	*	
10	4	6	-22	*	*	-20	70	
11	*	27	-21	*	-24	-20	*	
12	4	53	-22	*	-25	*	*	
13	5	17	-22	*	-25	-19	*	
14	5	41	-21	*	-25	*	*	
15	6	5	-22	*	*	-19	*	
16	6	28	-22	*	*	-20	*	
17	6	52	*	*	*	*	*	
18	7	16	-22	*	-25	-20	*	
19	7	40	-22	*	*	*	*	
20	8	3	-22	*	-24	*	*	
21	8	27	-22	*	-24	-20	*	
22	8	50	-20	*	*	-20	*	
23	9	14	-22	*	*	-19	*	
24	9	38	*	*	-24	-19	*	
25	10	1	*	*	*	*	*	
26	10	25	-21	*	*	-20	*	
27	10	49	-22	*	-24	-20	*	
28	11	12	-20	*	*	-21	*	
29	11	35	-21	*	*	*	*	
30	11	59	-22	*	*	-20	*	
31	12	23	*	*	*	*	*	
32	12	46	-22	*	*	-20	*	
33	13	10	-22	*	-25	-20	*	
34	13	34	-22	*	-24	-20	*	
35	13	57	-21	*	-24	-20	*	
36	14	21	-22	*	-25	-20	*	
37	14	44	-22	*	-24	-20	*	
38	15	7	-21	*	-25	-20	*	
39	*	27	-22	*	-25	-21	*	
40	15	53	-22	*	-24	-21	*	
41	16	16	*	*	-25	-20	*	
42	*	*	-22	*	-25	-21	*	
43	17	2	-22	*	-25	-20	*	
44	17	25	-22	*	-25	-21	*	
45	17	48	-22	*	*	*	*	
46	18	11	-22	*	-25	-21	*	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

6-06 ENG.2 FUEL NTRL TLET TEMP G.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
*	-24	-20	*	-21	-20	-21	-25	-26
*	*	-19	*	*	*	*	-24	*
*	*	-20	*	-21	*	*	*	*
*	*	*	*	*	*	*	-24	*
*	-24	-20	*	*	*	*	*	-25
*	*	-19	*	-22	-20	*	*	-26
*	-24	-20	*	-21	-20	-21	-25	-26
*	*	*	*	-22	*	*	-26	*
*	*	-20	70	-22	-20	-21	-26	-26
*	-24	-20	*	-22	-21	*	*	-26
*	-25	*	*	-21	*	*	-26	*
*	-25	-19	*	-22	*	-21	*	*
*	-25	*	*	-22	*	-21	-25	-26
*	*	-19	*	*	*	*	-26	-26
*	*	-20	*	*	*	-21	*	*
*	*	*	*	-22	-20	-20	-26	-26
*	-25	-20	*	-22	*	*	-26	*
*	*	*	*	-22	*	-21	*	*
*	-24	*	*	-21	*	-22	*	*
*	-24	-20	*	-21	-20	-21	-25	-26
*	*	-20	*	-22	*	-21	*	*
*	*	-19	*	-21	-21	-21	-25	-26
*	-24	-19	*	-22	*	-21	-24	-25
*	*	*	*	-22	-20	-21	-24	-26
*	*	-20	*	-22	-20	-21	-24	-25
*	-24	-20	*	-22	*	*	*	*
*	*	-21	*	-22	*	*	*	*
*	*	*	*	-22	*	-20	*	*
*	*	-20	*	-22	*	*	*	*
*	*	*	*	-22	-20	*	-23	-26
*	*	-20	*	*	*	*	-24	*
*	-25	-20	*	-22	-20	*	-23	-25
*	-24	-20	*	-22	*	-21	*	-25
*	-24	-20	*	*	-20	-22	-24	-25
*	-25	-20	*	*	-21	-22	-24	-24
*	-24	-20	*	*	-19	-21	-23	-24
*	-25	-20	*	*	*	-20	-22	-24
*	-25	-21	*	*	*	-22	-23	-24
*	-24	-21	*	*	-20	-21	-23	-25
*	-25	-20	*	-22	*	*	-23	-24
*	-25	-21	*	-22	*	*	-23	-24
*	-25	-20	*	*	*	-22	-24	*
*	-19	-21	*	-23	-20	-22	*	*
*	*	*	*	*	*	-21	-23	-25
*	-25	-21	*	*	*	-21	-24	-24

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	E I AF D
47	18	35	-21	*	-26	-21	*	
48	18	58	-22	*	*	-20	*	
49	19	22	-21	*	-26	-21	*	
50	19	45	-22	*	-26	*	*	
51	20	8	-22	*	-25	-22	*	
52	20	32	-22	*	-24	-20	*	
53	20	55	-20	*	-24	-21	*	
54	21	17	-21	*	-24	-21	-22	
55	21	40	-21	*	-24	-20	*	
56	22	4	-19	*	-25	-22	*	
57	22	27	-19	*	-25	-20	*	
58	22	50	-19	*	-24	-20	*	
59	23	13	-20	*	*	*	*	
60	*	34	-20	*	-26	-21	*	
61	24	0	-18	*	*	-21	*	
62	24	23	-19	*	-25	-20	*	
63	24	46	-18	*	-24	-21	*	
64	25	9	-18	*	-23	-21	*	
65	25	32	-18	*	-23	-21	*	
66	25	55	-15	*	-21	-21	*	
67	26	18	-13	*	*	-20	*	
68	26	42	-13	*	-17	-21	*	
69	27	5	-11	*	-16	-19	*	
70	27	28	-10	*	-15	-19	*	
71	27	51	-8	*	-15	-19	*	
72	*	18	-7	*	-14	-19	*	
73	*	32	-5	*	-14	-19	*	
74	28	59	-5	*	-14	-19	*	
75	29	22	-4	*	-14	-19	*	
76	29	45	-4	*	-13	-18	*	
77	30	7	-4	*	-19	-18	*	
78	30	30	-4	*	-14	-16	*	
79	30	53	-4	*	*	*	*	
80	31	16	-3	*	-15	-16	*	
81	31	38	-4	*	-14	-16	*	
82	32	1	-3	*	-14	-15	*	
83	32	23	-2	*	-14	-14	*	
84	32	46	-1	*	-13	-13	*	
85	33	9	0	*	-14	-13	*	
86	33	32	-0	*	-14	-12	*	
87	33	55	*	*	-13	-12	*	
88	34	16	0	*	*	*	*	
89	34	40	0	*	*	*	*	
90	35	3	0	*	-13	-8	*	
91	35	26	0	*	*	*	*	
92	35	49	*	*	-12	-9	*	
93	36	11	1	*	-12	-7	*	
94	36	34	1	*	-13	-8	*	
95	36	57	1	*	-12	-6	*	
96	37	20	*	*	-12	-6	*	

6-06 ENG.2 FUEL NTRL TLET TEMP EG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
*	-26	-21	*	*	-21	-22	-24	*
*	*	-20	*	*	*	-21	*	-24
*	-26	-21	*	-23	-21	-22	-24	-25
*	-26	*	*	*	*	*	-24	-25
*	-25	-22	*	-23	-21	-22	*	-24
*	-24	-20	*	*	-21	-22	-23	-24
*	-24	-21	*	*	-21	-22	-24	-25
*	-24	-21	-22	*	-21	-21	-24	-25
*	-24	-20	*	*	*	*	-23	-24
*	-25	-22	*	*	-21	-22	-24	-24
*	-25	-20	*	*	-20	-22	-23	-24
*	-24	-20	*	-23	-21	-21	-23	*
*	*	*	*	-23	-21	-20	-23	-23
*	-26	-21	*	*	-21	-22	*	*
*	*	-21	*	*	*	-22	-23	-23
*	-25	-20	*	*	-21	-22	-22	-23
*	-24	-21	*	-22	-21	-22	-22	-23
*	-23	-21	*	*	-21	-21	-21	-22
*	-23	-21	*	-22	-21	-21	*	-22
*	-21	-21	*	*	-20	-21	-22	-23
*	*	-20	*	-22	-21	*	-24	*
*	-17	-21	*	*	*	*	-25	-24
*	-16	-19	*	*	-20	-20	-25	-24
*	-15	-19	*	-22	-20	-21	-24	-23
*	-15	-19	*	-22	-21	-20	*	-22
*	-14	-19	*	-21	-20	-21	-23	-22
*	-14	-19	*	*	-18	*	*	-21
*	-14	-19	*	*	*	-21	-22	-21
*	-14	-19	*	-21	-20	-20	*	*
*	-13	-18	*	-20	-20	-21	-22	-20
*	-15	-18	*	-20	-20	-21	-22	-21
*	-14	-16	*	-20	-20	-21	-21	-21
*	*	*	*	-20	-20	-20	-21	-20
*	-15	-16	*	*	-20	-21	-21	-20
*	-14	-16	*	-20	-20	-20	-22	-19
*	-14	-15	*	-19	-20	-20	-21	-20
*	-14	-14	*	-19	-19	-20	*	*
*	-13	-13	*	-18	-20	-20	-21	-20
*	-14	-13	*	-18	-19	-20	*	-17
*	-14	-12	*	*	-18	-20	*	-19
*	-13	-12	*	-17	-19	-20	-18	-16
*	*	*	*	-17	-19	-20	-18	-17
*	*	*	*	-18	-18	-19	-19	-18
*	-13	-6	*	-16	-18	-20	*	*
*	*	*	*	-17	-18	-20	-17	-14
*	-12	-9	*	*	*	-19	-18	-18
*	-12	-7	*	-16	-17	-19	-17	-14
*	-13	-8	*	-16	-18	-19	*	*
*	-12	-6	*	-16	-17	-19	-18	-18
*	-12	-6	*	-16	-16	-19	*	*

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORO ISOL. MNT AFT IN DEG.C	6- ENG LO ISO M AFTO DEG
97	37	43	3	0	-11	-4	*	-1
98	38	6	4	1	-13	-4	*	-1
99	38	30	*	*	*	*	*	-1
100	38	53	4	2	-12	-2	*	
101	*	*	4	5	-12	0	*	-1
102	39	39	*	4	-12	0	*	-1
103	40	2	4	3	-2	0	*	-1
104	*	*	5	4	-4	1	*	-1
105	40	48	4	5	-8	0	*	-1
106	41	11	6	6	-9	1	*	-1
107	41	34	6	7	-11	0	*	-1
108	41	57	6	*	*	2	*	-1
109	42	21	5	10	-12	2	*	-1
110	42	44	*	*	-10	2	*	
111	43	7	6	9	-12	4	*	-1
112	43	30	5	9	*	*	*	
113	43	53	*	*	*	3	-14	-1
114	44	16	5	8	-11	2	*	-1
115	44	39	5	*	*	4	*	-1
116	*	*	*	7	-11	4	*	
117	45	25	*	8	-12	2	*	
118	45	49	5	7	-11	4	*	-1
119	*	9	5	8	-12	1	*	-1
120	46	35	*	8	-10	3	*	-1
121	46	58	4	7	*	*	*	-1
122	47	22	*	8	-12	3	*	-1
123	47	45	*	8	*	5	*	
124	48	9	7	8	*	*	*	-1
125	48	32	6	*	*	6	*	-1
126	48	55	5	*	*	4	*	
127	49	18	4	6	-12	2	*	
128	49	41	3	3	*	*	*	
129	50	4	2	3	-14	2	*	
130	50	27	1	3	-12	2	*	
131	50	50	1	1	-13	2	*	
132	51	13	2	3	-13	2	93	
133	51	36	1	3	-13	2	*	
134	51	58	1	0	-12	5	283	
135	52	21	-0	1	-12	5	*	
136	52	44	0	*	-13	4	*	
137	53	7	-1	*	-13	6	*	
138	*	27	-0	*	-12	5	*	
139	53	52	-2	*	-12	4	-11	
140	54	14	0	*	-13	6	*	
141	54	37	-0	*	-13	6	-11	
142	54	59	-1	0	-13	4	-11	
143	55	22	-1	0	-12	6	12	
144	*	*	-1	*	-12	6	*	
145	56	8	-1	*	-13	6	*	
146	56	30	0	0	-12	8	*	

6-06 ENG.2 FUEL CNTRL INLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
0	-11	-4	*	-16	-17	-18	-17	-17
1	-13	-4	*	-16	-17	-19	-17	-16
*	*	*	*	-16	*	*	24	1
2	-12	-2	*	*	-18	-19	11	16
5	-12	0	*	-15	-16	-18	-2	2
4	-12	0	*	-15	-16	-18	*	-4
3	-2	0	*	-15	-16	-18	-14	-4
4	-4	1	*	-15	-16	-17	-14	*
5	-8	0	*	-14	-16	-17	-15	-9
6	-9	1	*	-15	-15	*	-14	*
7	-11	0	*	-14	-16	-17	-15	*
*	*	2	*	-14	-14	-16	*	-13
10	-12	2	*	-14	-14	-16	-19	-13
*	-10	2	*	*	-14	-17	-16	-14
9	-12	4	*	-13	-14	-16	-16	-13
9	*	*	*	*	-14	-16	-15	-15
*	*	3	-14	-13	-14	-15	-16	-15
8	-11	2	*	-13	-14	-16	*	*
*	*	4	*	-12	-13	-14	-16	-16
7	-11	4	*	*	-12	-14	-16	-16
6	-12	2	*	*	*	*	-13	*
7	-11	4	*	-13	-12	-14	-16	-16
5	-12	1	*	-12	-13	-14	-15	-16
8	-10	3	*	-13	-12	-12	-16	-15
7	*	*	*	-12	-12	-12	-16	-17
8	-12	3	*	-11	-11	*	*	-15
8	*	5	*	*	*	-12	-16	-15
8	*	*	*	-12	-11	-12	-14	-15
*	*	6	*	-12	-11	-11	-15	-15
*	*	4	*	*	*	-12	-15	-16
6	-12	2	*	-12	-10	-12	-18	-18
7	*	*	*	*	-10	-11	-18	-18
5	-14	2	*	-11	-10	-11	-15	-18
5	-12	2	*	*	-10	-11	-17	-18
1	-13	2	*	-11	-10	-11	-18	-17
3	-13	2	93	*	-10	-11	-16	-18
3	-13	2	*	*	*	-10	-17	-18
0	-12	5	263	-11	-10	-11	-16	-18
1	-12	5	*	*	-8	-10	-16	-17
*	-13	4	*	-10	-9	-8	-16	-16
*	-13	6	*	*	*	-10	-15	-16
*	-12	5	*	*	*	-10	-14	-15
*	-12	4	-11	-10	-8	-9	-14	-15
*	-13	6	*	-10	-8	-8	-14	-15
*	-13	6	-11	-9	-8	-8	-13	-14
9	-13	4	-11	-9	-8	-9	-14	-14
0	-12	6	12	*	-7	-8	-12	-14
*	-12	8	*	*	-7	-8	-13	-13
*	-13	6	*	-9	-6	-7	-12	-12
0	-12	8	*	-8	-7	-7	-12	-13

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
147	56	53	0	0	-12	7	-10
148	*	*	0	1	-12	7	*
149	57	38	0	1	-12	8	-10
150	58	0	1	1	-12	7	*
151	58	23	1	2	-12	8	*
152	58	46	1	4	-11	9	*
153	59	8	1	4	-11	11	*
154	59	31	2	3	-12	12	-9
155	59	53	1	2	-11	11	*
156	60	16	2	2	-11	9	*
157	*	36	2	2	-11	11	-8
158	*	58	1	2	-12	11	*
159	61	23	2	3	-12	14	-8
160	61	45	2	2	-12	14	-8
161	*	3	2	4	-6	14	-8
162	62	30	4	5	-10	15	*
163	62	52	4	4	-11	15	*
164	63	14	4	1	-11	16	*
165	63	37	4	0	-10	15	-7
166	63	59	3	0	-9	16	*
167	64	22	4	1	-10	15	*
168	64	44	5	1	-8	15	*
169	*	4	7	*	-7	16	*
170	65	30	7	0	-7	15	*
171	*	*	5	1	-11	14	*
172	66	15	2	1	-12	15	*
173	66	38	2	2	-13	15	-7
174	67	1	1	2	-14	14	*
175	67	23	1	5	-13	14	*
176	*	41	1	8	-13	14	*
177	68	8	1	8	-14	15	*
178	68	31	2	6	-12	16	*
179	*	49	2	8	-11	16	*
180	69	16	4	8	-11	17	*
181	69	38	4	8	-11	15	*
182	70	1	5	*	*	17	-6
183	70	23	6	*	*	15	-6
184	70	46	6	9	-10	14	*
185	71	8	7	9	-8	15	-6
186	71	31	6	10	-10	15	0
187	71	54	8	9	-11	14	-6
188	*	14	8	11	-10	15	*
189	*	*	7	11	-9	16	*
190	*	*	9	11	-8	15	-5
191	73	24	8	10	-8	17	*
192	73	46	9	11	-8	17	*
193	74	9	9	11	-8	19	*
194	74	32	10	12	-8	21	*
195	*	*	10	11	-8	22	*
196	75	18	9	11	-7	24	*

6-06 ENG.2 FUEL CNTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
0	-12	7	-10	-6	-7	-7	-11	-12
1	-12	7	*	-8	-6	-7	-12	-11
1	-12	8	-10	-8	-7	-6	-12	-12
1	-12	7	*	-8	-6	-7	-11	-12
2	-12	8	*	-8	-7	-6	-11	-11
4	-11	9	*	-7	-6	-5	-11	-11
4	-11	11	*	*	-6	-6	-11	-11
3	-12	12	-9	-7	-6	-6	-11	-11
2	-11	11	*	*	*	-5	-11	-11
2	-11	9	*	-7	-6	-5	-11	-11
2	-11	11	-8	-7	-6	-4	-11	-11
2	-12	11	*	*	-5	-4	-11	-11
3	-12	14	-8	-7	-5	-5	-11	-12
2	-12	14	-8	-6	-5	-4	-10	-11
4	-6	14	-8	-6	-5	-4	-10	-11
5	-10	15	*	*	-5	-4	-10	-12
4	-11	15	*	*	-4	-4	-11	-11
1	-11	16	*	-7	-4	-4	-10	-11
0	-10	15	-7	-6	-4	-3	-11	-10
0	-9	16	*	-6	-4	-4	-10	-11
1	-10	15	*	-7	-4	-3	-10	-11
1	-8	15	*	*	*	-3	-10	-11
*	-7	16	*	-6	-4	-2	-10	-10
0	-7	15	*	-8	-4	-2	-10	-11
1	-11	14	*	*	-4	-2	-10	-11
1	-12	15	*	-6	-4	-2	-10	-10
2	-13	15	-7	-5	-4	-3	-10	-10
2	-14	14	*	-5	-4	-2	-10	-10
5	-13	14	*	*	*	-2	-10	-10
8	-13	14	*	-4	-4	-2	-10	-10
8	-14	15	*	*	-4	-1	-10	-10
6	-12	16	*	-5	-3	-1	-9	-10
8	-11	16	*	-4	-4	-1	-8	-8
8	-11	17	*	-4	-2	0	-7	-8
8	-11	15	*	*	-2	-1	-6	-6
*	*	17	-6	-4	-2	-1	-6	-6
*	*	15	-6	-4	-2	-1	-6	-4
9	-10	14	*	-4	-2	0	-5	-4
9	-8	15	-6	-4	-2	0	-6	-6
10	-10	15	*	-3	-2	0	-6	-5
9	-11	14	-6	-4	-2	0	-6	-4
11	-10	15	*	-3	-1	0	-7	-5
11	-9	16	*	*	*	0	-6	-4
11	-8	15	-5	-3	-1	0	-4	-6
10	-8	17	*	-4	-2	0	-5	-4
11	-8	17	*	-4	-1	0	-2	-4
11	-8	19	*	*	-2	0	-0	-2
12	-8	21	*	-3	-0	0	1	-1
11	-8	22	*	-2	-0	0	2	0
11	-7	24	*	-3	-1	0	5	0

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6- ENG LO ISO M AFTO DEG
197	*	38	9	11	-7	29	*	-
198	76	3	9	11	-7	*	*	-
199	*	*	*	*	*	*	*	

6-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
ENG.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
FUEL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
ONTRL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
UTLET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
TEMP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
EG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
11	-7	25	*	-3	-1	0	7	1
11	-7	*	*	-3	-1	0	8	1
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6 EN IN SU 6 DE
2	0	56	-26	-27	-27	-27	-27	-
3	1	19	-27	-27	-27	-27	-28	-
4	1	42	*	*	-27	-26	-27	-
5	2	6	-25	-27	-27	-26	-28	-
6	*	*	-27	*	-27	-27	-28	-
7	2	54	-26	*	-28	-27	-28	-
8	*	*	-27	*	*	-27	-28	-
9	*	*	-27	*	-28	-28	-28	-
10	4	6	-27	-28	-28	-28	-28	-
11	*	27	*	*	-30	-25	-26	
12	4	53	-24	*	-23	-26	-30	
13	5	17	-26	*	-28	-26	-28	-
14	5	41	-28	-26	-30	-30	-26	-
15	6	5	-28	-28	-27	-26	-28	-
16	6	28	-30	*	*	-28	-26	-
17	6	52	-29	*	-29	-25	-30	-
18	7	16	*	*	*	-25	-28	-
19	7	40	*	*	-27	-25	-28	-
20	8	3	-10	-28	-26	-26	-24	-
21	8	27	-24	-27	-26	-25	-28	-
22	8	50	-24	-25	-28	-25	-27	-
23	9	14	-27	-26	-27	-24	-25	-
24	9	38	-25	*	-25	-24	-25	-
25	10	1	*	*	*	-23	-25	-
26	10	25	-24	-25	-24	-24	-24	
27	10	49	-23	-26	-24	-24	-27	
28	11	12	*	-25	-24	-23	-26	
29	11	35	-23	*	-22	-23	-25	
30	11	59	*	-26	-23	-24	-22	
31	12	23	*	*	-25	-22	-24	
32	12	46	-23	-24	-25	-22	-25	
33	13	10	*	*	-23	-23	-25	
34	13	34	*	140	-24	-22	-24	
35	13	57	-24	-25	-24	-21	-24	
36	14	21	-24	-24	-23	-24	-22	
37	14	44	-22	*	-26	-22	-20	
38	15	7	-24	*	*	-23	-23	
39	*	27	-24	-23	-24	-22	-22	
40	15	53	-22	-23	-24	-22	-22	
41	16	16	-23	*	-22	-23	-22	
42	*	*	-25	-24	-22	-22	-22	
43	17	2	*	-24	-22	-21	-23	
44	17	25	*	*	-10	-21	-23	
45	17	48	-22	-24	-24	-22	-23	
46	18	11	*	*	-7	-21	-23	

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19 MARCH 1970
RUN NO. 4 +0 DEG F

6-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
LET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
RF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
-27	-27	-27	-27	-27	-22	-28	-22	-26
-27	-27	-27	-28	-27	-22	-28	-22	-26
*	-27	-26	-27	-27	-22	-28	-22	-26
-27	-27	-26	-28	-27	-22	-27	-22	-26
*	-27	-27	-28	-27	-22	-28	-22	-26
*	-28	-27	-28	-27	-22	-28	-23	-26
*	*	-27	-28	-28	-22	-28	-22	-26
*	-28	-28	-28	-28	-24	-28	-23	-26
-28	-28	-28	-28	-28	-24	-28	-24	-26
*	-30	-25	-26	*	*	-29	-25	-27
*	-23	-26	-30	*	-23	-28	-24	-26
*	-28	-26	-28	-27	-26	-28	-24	-26
-26	-30	-30	-26	-28	-25	-28	-24	-26
-28	-27	-26	-28	-28	-25	-28	-24	-26
*	*	-28	-26	-27	-25	-28	-24	-26
*	-29	-25	-30	-28	-25	-28	-24	-25
*	*	-25	-28	-27	-25	-28	-24	-27
*	-27	-25	-28	-26	-25	-28	-24	-26
-26	-26	-26	-24	-26	-26	-27	-24	-27
-27	-26	-25	-28	-27	-25	-27	-24	-26
-25	-28	-25	-27	-24	-24	-27	-23	-26
*	-27	-24	-25	-25	-25	-27	-24	-25
*	-25	-24	-26	-26	-25	-27	-25	-25
*	*	-23	-25	-25	-25	-26	-24	-25
-25	-24	-25	-24	-25	-23	-26	-25	-23
-26	-24	-24	-27	-24	-26	-26	-24	-24
-25	-24	-23	-26	-23	-26	-26	-24	-25
-25	-22	-23	-25	-24	-26	-25	-24	-25
-25	-23	-24	-25	-24	-25	-26	-24	-24
-25	-25	-22	-24	-24	-25	-26	-24	-24
-24	-25	-23	-24	-24	-26	-26	-24	-24
-23	-23	-23	-25	-23	-25	-26	-24	-24
-24	-24	-23	-24	-24	-24	-26	-24	-24
-24	-24	-21	-24	-23	-25	-25	-24	-24
-23	-23	-23	-23	-23	-24	-24	-24	-24
-24	-22	-20	-23	-23	-24	-25	-25	-24
*	-23	-22	-22	-22	-24	-24	-24	-24
-24	-22	-22	-22	-22	-24	-24	-23	-24
-24	-22	-22	-23	-23	-24	-26	-23	-24
-22	-23	-23	-22	-22	-24	-24	-23	-24
-23	-22	-23	-22	-22	-23	-25	-23	-24
-22	-21	-23	-22	-22	-23	-25	-23	-23
-10	-21	-23	-23	-23	-24	-24	-23	-23
-24	-22	-23	-22	-22	-24	-25	-24	-24
-7	-21	-23	-22	-22	-25	-25	-24	-23

6-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6- ENG INL L SUR 6. DEG
47	18	35	*	*	-23	-22	-22	-2
48	18	58	-25	-23	-24	-22	-24	-2
49	19	22	-24	*	-22	-21	-23	-2
50	19	45	-24	*	*	-21	-22	-2
51	20	8	*	*	-23	-22	-22	-2
52	20	32	-23	-25	-25	-23	-23	-2
53	20	55	-23	-25	-23	-24	-23	-2
54	21	17	-23	-25	-24	-24	-22	-2
55	21	40	*	*	-24	-24	-23	-2
56	22	4	-25	-24	-24	-22	-22	-2
57	22	27	-24	-24	-22	-22	-21	-2
58	22	50	*	*	-22	-22	-21	-2
59	23	13	*	-24	-22	-22	-21	-2
60	*	34	-24	-23	-22	-21	-22	-2
61	24	0	-22	-23	-22	-21	-20	-2
62	24	23	-22	-22	*	-21	-21	-2
63	24	46	-22	-22	-21	-19	-20	-2
64	25	9	*	*	*	*	-20	-2
65	25	32	-22	*	-21	-20	-20	-
66	25	55	-22	-22	-20	-22	-20	-
67	26	18	125	*	-23	-25	-22	-
68	26	42	-24	-24	-24	-24	-24	-
69	27	5	-24	-24	-25	-24	-23	-
70	27	28	-23	-23	-24	-23	-23	-
71	27	51	*	*	-24	-22	-21	-
72	*	18	-22	-22	-22	-20	-21	-
73	*	32	-22	-22	-22	-21	-21	-
74	28	59	-22	-22	-23	-22	-19	-
75	29	22	*	*	*	-22	-19	-
76	29	45	-23	-22	-23	-22	-21	-
77	30	7	*	*	*	-22	-22	-
78	30	30	-23	-22	-22	-21	-22	-
79	30	53	-22	-22	-22	-22	-21	-
80	31	16	-22	-22	-23	-22	-21	-
81	31	38	-22	-22	-22	-22	-21	-
82	32	1	-23	-22	-23	-22	-20	-
83	32	23	*	-19	*	-22	-20	-
84	32	46	-22	-22	-22	-22	-20	-
85	33	9	-22	-21	-21	-22	-20	-
86	33	32	*	*	*	-22	-20	-
87	33	55	-21	-20	-21	-22	-20	-
88	34	18	*	*	-22	-19	-19	-
89	34	40	-20	-21	-22	-22	-20	-
90	35	3	*	-17	-21	-21	-19	-
91	35	26	*	*	-20	-20	-19	-
92	35	49	-20	*	*	*	-19	-
93	36	11	*	-20	-21	-21	-20	-
94	36	34	*	-20	-20	-21	-21	-
95	36	57	*	128	-21	-20	-18	-
96	37	20	-19	-18	-20	-19	-17	-

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
*	-23	-22	-22	-22	-25	-25	-24	-24
-23	-24	-22	-24	-22	-25	-25	-24	-24
*	-22	-21	-23	-23	-25	-25	-24	-24
*	*	-21	-22	-22	-24	-24	-23	-24
*	-23	-22	-22	-22	-23	-25	-23	-24
-25	-25	-23	-23	-24	-23	-25	-22	-24
-25	-23	-24	-23	-24	-23	-24	-22	-24
-25	-24	-24	-22	-24	-23	-24	-22	-22
*	-24	-24	-23	-23	-23	-23	-22	-22
-24	-24	-22	-22	-22	-23	-23	-22	-22
-24	-22	-22	-21	-22	-22	-24	-22	-22
*	-22	-22	-21	-22	-22	-22	-22	-21
-24	-22	-22	-21	-22	-22	-23	-22	-22
-23	-22	-21	-22	-22	-22	-23	-22	-22
-23	-22	-21	-20	-20	-22	-24	-21	-21
-22	*	-21	-21	-20	-20	-23	-21	-20
-22	-21	-19	-20	-19	-20	-23	-20	-21
*	*	*	-20	-20	-20	-22	-20	-20
*	-21	-20	-20	-20	-19	-20	-20	-20
-22	-20	-22	-20	-22	-13	-21	*	-19
*	-23	-25	-22	-24	-20	-24	-20	-20
-24	-24	-24	-24	-26	-22	-24	-22	-21
-24	-25	-24	-23	-25	-23	-24	-22	-20
-23	-24	-23	-23	-22	-21	-22	-20	-17
*	-24	-22	-21	-20	-21	-20	-19	-16
-22	-22	-20	-21	-20	-20	-20	-18	-16
-22	-22	-21	-21	-20	-21	-20	-19	-16
-22	-23	-22	-19	-20	-19	-19	-18	-16
*	*	-22	-19	-20	-20	-20	-18	-16
-22	-23	-22	-21	-21	-20	-19	-18	-15
*	*	-22	-22	-20	-16	-19	-16	-16
-22	-22	-21	-22	-20	-17	-19	-15	-16
-22	-22	-22	-21	-20	-16	-18	-13	-15
-22	-23	-22	-21	-19	-14	-18	-13	-16
-22	-22	-22	-21	-20	-14	-17	-13	-15
-22	-23	-22	-20	-20	-14	-16	-12	-15
-19	*	-22	-20	-20	-13	-17	-12	-15
-22	-22	-22	-20	-19	-11	-16	-12	-13
-21	-21	-22	-20	-18	-11	-16	-9	-14
*	*	-22	-20	-18	-10	-16	-10	-14
-20	-21	-22	-20	-18	-11	-14	-9	-12
*	-22	-19	-19	-17	-9	-13	-8	-13
-21	-22	-22	-20	-18	-9	-15	-8	-13
-17	-21	-21	-19	-17	-8	-13	-8	-13
*	-20	-20	-19	-16	-8	-13	-6	-12
*	*	*	-19	-18	-7	-13	-7	-13
-20	-21	-21	-20	-17	-8	-12	-8	-12
-20	-20	-21	-21	-17	-7	-13	-8	-11
128	-21	-20	-18	-17	-6	-13	-8	-13
-18	-20	-19	-17	-16	-8	-12	-7	-10

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
97	37	43	*	*	*	-19	-18
98	38	6	*	*	*	-20	-18
99	38	30	21	*	*	*	18
100	38	53	*	*	22	16	16
101	*	*	*	-4	4	0	0
102	39	39	*	*	-7	-10	-8
103	40	2	-15	*	-13	-15	-13
104	*	*	*	-17	-17	-16	-14
105	40	48	*	*	*	-18	-15
106	41	11	*	*	-19	-18	-15
107	41	34	-18	*	*	*	-17
108	41	57	-18	*	*	-19	-17
109	42	21	-18	-18	-18	-19	-18
110	42	44	-19	-19	-21	-19	-18
111	43	7	-18	*	*	*	-19
112	43	30	*	*	*	-19	-16
113	43	53	*	-19	-20	-18	-17
114	44	16	-17	*	-20	-18	-16
115	44	39	-18	*	*	*	-16
116	*	*	*	*	*	*	-16
117	45	25	-17	*	-18	-18	-17
118	45	49	-18	*	*	*	-15
119	*	9	*	*	-20	-19	-17
120	46	35	-18	*	-19	-18	-17
121	46	58	*	-18	-19	-18	-16
122	47	22	*	*	-19	-19	-18
123	47	45	-17	*	-18	-18	-16
124	48	9	*	*	-18	-18	-16
125	48	32	-17	*	*	-18	-16
126	48	55	*	*	-20	-18	-16
127	49	18	*	*	-20	-19	-17
128	49	41	-18	*	*	-18	-18
129	50	4	-18	*	-19	-19	-17
130	50	27	-18	-18	-18	-18	-17
131	50	50	-18	-16	-18	-16	-15
132	51	13	-18	*	*	-18	-17
133	51	36	-17	*	-17	-17	-16
134	51	59	-17	-17	-17	-17	-16
135	52	21	-17	-17	-18	-16	-16
136	52	44	-16	*	-17	-16	-16
137	53	7	-17	-16	-17	-16	-15
138	*	27	-16	*	*	-16	-14
139	53	52	-16	-15	-15	-14	-14
140	54	14	-15	-15	-15	-14	-13
141	54	37	-15	-14	-16	-14	-12
142	54	59	-14	*	-14	-13	-11
143	55	22	-14	*	-14	-14	-12
144	*	*	-13	-12	-14	-12	-12
145	56	8	-13	-13	-14	-12	-11
146	56	30	-13	-13	-13	-12	-10

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
*	*	-19	-18	-16	-6	-12	-8	-12
*	*	-20	-18	-16	-5	-13	-8	-12
*	*	*	18	14	-4	-12	-4	-12
*	22	16	16	15	-2	-12	-3	-11
-4	4	0	0	1	-2	-12	-4	-12
*	-7	-10	-8	-8	-3	-13	-5	-12
*	-13	-15	-13	-13	-4	-11	-5	-12
-17	-17	-16	-14	-14	-2	-12	-4	-12
*	*	-18	-15	-14	-4	-11	-5	-12
*	-19	-18	-15	-16	-4	-12	-7	-12
*	*	*	-17	-15	-4	-11	-5	-10
*	*	-19	-17	-15	-3	-12	-7	-11
-18	-18	-19	-18	-15	-3	-12	-6	-12
-19	-21	-19	-18	-16	-4	-12	-6	-12
*	*	*	-19	-17	-4	-10	-5	-12
*	*	-19	-16	-16	-3	-11	-6	-11
-19	-20	-18	-17	-16	-4	-12	-8	-12
*	-20	-18	-16	-16	-4	-10	-6	-10
*	*	*	-16	-14	-4	-10	-6	-11
*	*	*	-16	-16	-4	-10	-6	-11
*	-18	-18	-17	-15	-3	-11	-4	-10
*	*	*	-15	-15	-4	-10	-5	-10
*	-20	-19	-17	-14	-3	-11	-5	-10
*	-19	-18	-17	-15	-3	-10	-5	-10
-18	-19	-18	-16	-16	-4	-11	-7	-11
*	-19	-19	-16	-14	-2	-10	-4	-10
*	-18	-18	-16	-16	-2	-11	-5	-10
*	-18	-18	-16	-14	-4	-11	-4	-10
*	*	-18	-16	-14	-3	-10	-4	-10
*	-20	-18	-16	-15	-3	-10	-6	-10
*	-20	-19	-17	-16	-9	-12	-9	-11
*	*	-18	-18	-17	-10	-11	-10	-10
*	-19	-19	-17	-17	-12	-11	-10	-10
-18	-18	-18	-17	-16	-12	-11	-10	-10
-18	-18	-18	-15	-16	-11	-11	-9	-10
*	*	-18	-17	-16	-11	-10	-9	-9
*	-17	-17	-16	-14	-12	-10	-9	-9
-17	-17	-17	-16	-16	-11	-9	-9	-9
-17	-18	-16	-16	-16	-10	-10	-8	-9
*	-17	-16	-16	-14	-8	-10	-7	-8
-16	-17	-16	-15	-14	-8	-9	-7	-8
*	*	-16	-14	-14	-7	-8	-6	-7
-15	-15	-14	-14	-14	-7	-8	-6	-7
-15	-15	-14	-13	-13	-8	-8	-6	-6
-14	-16	-14	-12	-12	-7	-8	-5	-6
*	-14	-13	-11	-13	-7	-7	-3	-8
*	-14	-14	-12	-12	-6	-6	-4	-5
-12	-14	-12	-12	-11	-6	-6	-2	-5
-13	-14	-12	-11	-11	-4	-6	-3	-4
-13	-13	-12	-10	-11	-6	-5	-2	-4

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
147	56	53	-12	-12	-14	-12	-11
148	*	*	-12	-12	-12	-12	-11
149	57	38	-13	-12	-12	-12	-10
150	58	0	-12	-12	-13	-11	-11
151	58	23	-11	-12	-12	-12	-9
152	58	46	-12	-11	-12	-11	-10
153	59	8	-12	-12	-13	-12	-10
154	59	31	-10	-11	-13	-11	-10
155	59	53	-12	-12	-13	-12	-10
156	60	16	-12	-13	-12	-11	-11
157	*	36	-12	-13	-12	-11	-10
158	*	58	-11	-12	-12	-12	-11
159	61	23	-12	-12	-12	-12	-10
160	61	45	-12	-12	-13	-11	-9
161	*	3	-11	-10	-11	-10	-9
162	62	30	-12	-11	-13	-11	-10
163	62	52	-12	-10	-12	-10	-10
164	63	14	-10	-12	-11	-11	-10
165	63	37	-11	-12	-12	-11	-10
166	63	59	-11	-12	-11	-11	-10
167	64	22	-11	-12	-12	-11	-10
168	64	44	-11	-12	-11	-11	-10
169	*	4	-11	-12	-12	-10	-10
170	65	30	-11	-12	-12	-11	-10
171	*	*	-11	-11	-12	-11	-10
172	66	15	-12	-11	-13	-11	-10
173	66	38	-12	-11	-11	-11	-10
174	67	1	-12	-11	-12	-11	-9
175	67	23	-12	-11	-11	-11	-9
176	*	41	-12	-10	-12	-10	-8
177	68	8	-12	-10	-11	-10	-9
178	68	31	-11	-10	-10	-10	-10
179	*	49	-9	-10	-10	-10	-9
180	69	16	-8	-9	-10	-9	-8
181	69	38	-8	-9	-9	-8	-9
182	70	1	-8	-10	-9	-9	-8
183	70	23	-8	-10	-10	-9	-9
184	70	46	-8	-9	-8	-9	-8
185	71	8	-8	-9	-10	-9	-9
186	71	31	-8	-10	-10	-9	-9
187	71	54	-8	-10	-9	-9	-9
188	*	14	-8	-9	-9	-10	-9
189	*	*	-5	-10	-10	-10	-8
190	*	*	-8	-9	-10	-9	-8
191	73	24	-7	-10	-10	-9	-8
192	73	46	-6	-9	-9	-9	-8
193	74	9	-4	-8	-8	-8	-8
194	74	32	-4	-8	-8	-8	-8
195	*	*	-3	-7	-8	-8	-8
196	75	18	-2	-6	-8	-8	-8

-16 G.1 LET LIP RF. .45 G.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
12	-14	-12	-11	-11	-5	-6	-2	-3
12	-12	-12	-11	-10	-3	-6	-3	-4
12	-12	-12	-10	-10	-4	-6	-2	-4
12	-13	-11	-11	-10	-3	-6	-2	-4
12	-12	-12	-9	-10	-6	-4	-3	-3
11	-12	-11	-10	-10	-4	-5	-2	-3
12	-13	-12	-10	-9	-4	-4	-3	-3
11	-13	-11	-10	-10	-5	-5	-3	-4
12	-13	-12	-10	-10	-3	-5	-2	-4
12	-12	-11	-11	-10	-4	-5	-2	-4
13	-12	-11	-10	-10	-3	-4	-2	-4
12	-12	-12	-11	-10	-3	-4	-2	-4
12	-12	-12	-10	-10	-2	-5	-2	-4
12	-13	-11	-9	-10	-3	-4	-2	-3
10	-11	-10	-9	-9	-2	-5	-2	-4
11	-13	-11	-10	-10	-2	-4	-2	-4
10	-12	-10	-10	-10	-1	-5	-2	-4
12	-11	-11	-10	-9	-3	-6	-3	-2
12	-12	-11	-10	-8	-7	-6	-6	-2
12	-11	-11	-10	-9	-8	-7	-6	-4
12	-12	-11	-10	-9	-8	-7	-7	-5
12	-11	-11	-10	-8	-8	-8	-7	-5
12	-12	-10	-10	-9	-7	-5	-6	-5
12	-12	-11	-10	-10	-6	-5	-6	-4
11	-12	-11	-10	-9	-5	-4	-3	-4
11	-13	-11	-10	-10	-5	-5	-1	-2
11	-11	-11	-10	-9	-3	-6	-1	-2
11	-12	-11	-9	-10	-4	-3	-1	-2
11	-11	-11	-9	-10	-4	-3	0	-1
10	-12	-10	-8	-10	-4	-2	-1	-1
10	-11	-10	-9	-9	-4	-4	-0	-1
10	-10	-10	-10	-8	-2	-5	-1	-2
10	-10	-10	-9	-7	0	-3	0	-1
9	-10	-9	-8	-7	1	-3	1	-2
9	-9	-8	-9	-8	1	-2	1	-2
9	-9	-9	-8	-8	1	-2	1	-1
10	-10	-9	-9	-8	2	-3	1	-2
9	-8	-9	-8	-7	2	-3	2	-1
9	-10	-9	-9	-7	2	-2	1	-2
10	-10	-9	-9	-7	3	-2	1	-2
10	-9	-9	-9	-7	0	-3	2	-1
9	-9	-10	-9	-8	1	-2	2	-2
10	-10	-10	-8	-7	3	-3	13	0
9	-10	-9	-8	-8	7	-6	10	0
10	-10	-9	-8	-8	34	-7	51	0
9	-9	-9	-8	-8	46	-7	72	-0
8	-8	-8	-8	-6	54	-8	80	-0
8	-8	-8	-8	-7	59	-8	84	-2
7	-8	-8	-8	-8	60	-8	85	-1
8	-8	-8	-8	-7	60	-9	85	-2

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	E I S D
197	*	38	-0	-6	-7	-8	-8	
198	76	3	0	-6	-8	-8	-8	
199	*	*	*	*	*	*	*	

6-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
NG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NLET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
URF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
2.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
EG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
-6	-7	-8	-8	-7	60	-8	85	-1
-6	-8	-8	-8	-7	60	-9	84	-2
*	*	*	*	*	*	*	*	*

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-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
2	0	56	-20	-20	-20	-16
3	1	19	-20	-21	-20	-16
4	1	42	-20	-21	-20	-16
5	2	6	-20	-21	-20	-16
6	*	*	-20	-21	-20	-16
7	2	54	-21	-21	-20	-17
8	*	*	-20	-21	-20	-16
9	*	*	-21	-22	-20	-17
10	4	6	-20	-22	-20	-16
11	*	27	-21	-20	-20	-18
12	4	53	-21	-22	-20	-16
13	5	17	-22	-21	-20	-17
14	5	41	-21	-20	-20	-16
15	6	5	-22	-21	-21	-16
16	6	28	-21	-22	-20	*
17	6	52	-21	-21	-20	-18
18	7	16	-22	-21	-20	-15
19	7	40	-21	-22	-20	-15
20	8	3	-20	-21	-19	-19
21	8	27	-21	-21	-20	-19
22	8	50	-20	-21	-19	-20
23	9	14	-20	-21	-20	-2
24	9	38	-21	-21	-19	-20
25	10	1	-20	-20	-20	-20
26	10	25	-20	-20	-20	-20
27	10	49	-20	-21	-20	-20
28	11	12	-21	-21	-20	-19
29	11	35	-20	-22	-19	-20
30	11	59	-20	-22	-19	-19
31	12	23	-21	-21	-19	-18
32	12	46	-21	-20	-20	-20
33	13	10	-20	-21	-20	-20
34	13	34	-21	-21	-20	-20
35	13	57	-20	-21	-20	-20
36	14	21	-21	-21	-20	-19
37	14	44	-21	-20	-20	-19
38	15	7	-21	-21	-19	-19
39	*	27	-20	-21	-19	-20
40	15	53	-21	-21	-20	-20
41	16	16	-21	-20	-20	-20
42	*	*	-21	-22	-20	-20
43	17	2	-22	-21	-19	-19
44	17	25	-22	-21	-20	-20
45	17	48	-21	-22	-20	-21
46	18	11	-21	-22	-20	-20

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
47	18	35	-21	-22	-20	-20
48	18	58	-22	-22	-20	-20
49	19	22	-22	-22	-20	-20
50	19	45	-22	-22	-20	-20
51	20	8	-22	-21	-20	*
52	20	32	-8	-21	-18	*
53	20	55	14	-19	-17	*
54	21	17	24	-18	-16	*
55	21	40	25	-16	-6	*
56	22	4	25	-14	26	*
57	22	27	25	-13	42	*
58	22	50	24	-12	51	*
59	23	13	22	-13	52	*
60	*	34	22	-12	51	*
61	24	0	22	-12	50	*
62	24	23	21	-12	48	*
63	24	46	21	-11	48	*
64	25	9	20	-10	46	*
65	25	32	21	-10	45	*
66	25	55	41	-10	44	*
67	26	18	58	-8	44	*
68	26	42	57	-3	42	*
69	27	5	56	1	42	*
70	27	28	55	4	40	*
71	27	51	55	7	40	*
72	*	18	54	11	39	*
73	*	32	51	12	38	*
74	28	59	50	14	37	*
75	29	22	49	17	36	*
76	29	45	47	17	35	*
77	30	7	45	20	34	*
78	30	30	42	23	33	*
79	30	53	41	25	32	*
80	31	16	39	27	31	*
81	31	38	38	30	29	*
82	32	1	37	32	30	*
83	32	23	37	35	29	*
84	32	46	36	38	28	*
85	33	9	34	39	27	*
86	33	32	34	41	37	*
87	33	55	33	42	53	*
88	34	18	32	45	56	*
89	34	40	33	45	54	*
90	35	3	31	45	54	*
91	35	26	31	45	52	*
92	35	49	31	47	49	*
93	36	11	29	46	48	*
94	36	34	29	46	45	*
95	36	57	28	47	45	*
96	37	20	29	49	44	*

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
97	37	43	29	47	41	*
98	38	6	28	47	38	*
99	38	30	26	46	38	*
100	38	53	26	48	38	*
101	*	*	26	48	36	*
102	39	39	25	49	35	*
103	40	2	26	49	33	*
104	*	*	25	48	33	*
105	40	48	25	48	32	*
106	41	11	24	49	32	*
107	41	34	24	48	31	*
108	41	57	24	49	31	*
109	42	21	24	48	30	*
110	42	44	23	48	30	*
111	43	7	23	48	30	*
112	43	30	23	48	28	*
113	43	53	23	48	28	*
114	44	16	22	47	28	*
115	44	39	21	48	28	*
116	*	*	22	48	27	*
117	45	25	22	49	27	*
118	45	49	22	48	27	*
119	*	9	21	48	27	*
120	46	35	22	48	27	*
121	46	58	20	48	26	*
122	47	22	22	48	26	*
123	47	45	21	48	27	*
124	48	9	21	49	26	*
125	48	32	20	48	25	*
126	48	55	20	48	25	*
127	49	18	19	48	22	*
128	49	41	19	48	22	*
129	50	4	19	46	20	*
130	50	27	19	47	20	*
131	50	50	18	48	20	*
132	51	13	19	47	18	*
133	51	36	17	46	17	*
134	51	58	18	47	18	*
135	52	21	18	46	18	*
136	52	44	18	46	18	*
137	53	7	17	48	17	*
138	*	27	18	47	18	*
139	53	52	17	46	17	*
140	54	14	17	48	17	45
141	54	37	18	49	18	48
142	54	59	18	48	17	48
143	55	22	17	49	17	49
144	*	*	18	48	17	47
145	56	8	18	49	17	48
146	56	30	17	49	16	49

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
147	56	53	17	49	17	49
148	*	*	19	48	17	50
149	57	38	17	49	16	51
150	58	0	17	51	17	52
151	58	23	17	50	17	52
152	58	46	18	49	17	50
153	59	8	18	50	17	49
154	59	31	18	50	17	51
155	59	53	18	50	16	51
156	60	16	18	50	17	49
157	*	36	18	50	18	49
158	*	58	18	50	16	50
159	61	23	18	49	17	49
160	61	45	18	49	17	51
161	*	3	18	49	18	51
162	62	30	18	50	17	50
163	62	52	18	49	16	48
164	63	14	18	51	17	49
165	63	37	19	48	16	50
166	63	59	18	46	16	51
167	64	22	18	44	17	50
168	64	44	22	43	17	51
169	*	4	32	45	16	52
170	65	30	31	44	16	49
171	*	*	32	44	16	51
172	66	15	31	45	17	50
173	66	38	29	46	17	48
174	67	1	29	47	17	48
175	67	23	29	48	19	45
176	*	41	30	49	30	45
177	68	8	29	50	29	46
178	68	31	29	50	29	45
179	*	49	30	50	30	51
180	69	16	30	51	31	53
181	69	38	30	51	31	53
182	70	1	29	52	31	54
183	70	23	28	51	32	55
184	70	46	29	50	32	56
185	71	8	29	51	31	55
186	71	31	28	49	30	55
187	71	54	29	50	31	55
188	*	14	28	51	31	55
189	*	*	28	54	32	56
190	*	*	29	51	32	55
191	73	24	29	50	32	55
192	73	46	31	49	32	55
193	74	9	30	48	34	52
194	74	32	31	48	33	51
195	*	*	31	47	34	51
196	75	18	31	45	34	50

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
197	*	38	31	44	34	49
198	76	3	31	44	33	48
199	*	*	*	*	*	*

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RUN NO. 4 +0 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7- ENG FU PU CA TE DEG
2	1	0	-16	-16	-16	-16	-16	-1
3	1	23	-16	-16	-16	-17	-16	-1
4	1	47	-16	-16	-16	-17	-16	-1
5	2	11	-16	-16	-16	-16	-16	-1
6	2	35	-16	-15	-16	-16	-16	-1
7	2	59	-16	-16	-16	-17	-16	-1
8	3	22	-16	-16	-16	-17	-16	-1
9	3	47	-16	-16	-16	-17	-16	-1
10	4	10	-16	-16	-17	-16	-16	-1
11	4	34	-16	-16	-17	-17	-16	-1
12	4	58	-16	-15	-16	-17	-16	-
13	5	22	-16	-16	-16	-17	-16	-
14	5	46	-16	-16	-16	-17	-16	-
15	6	9	-16	-15	-16	-17	-16	-
16	6	33	-17	-16	-17	-18	-16	-
17	6	57	-16	-16	-17	-18	-16	-
18	7	21	-17	-16	-17	-18	-17	-
19	7	45	-16	-15	-18	-17	-16	-
20	8	8	-16	-16	-17	-17	-17	-
21	8	32	-16	-17	-17	-18	-17	-
22	8	55	-16	-16	-17	-17	-16	-
23	9	19	-16	-16	-17	-18	-17	-
24	9	43	-16	-17	-18	-18	-17	-
25	10	6	-18	-17	-17	-19	-16	-
26	10	30	-16	-16	-16	-18	-16	-
27	10	53	-17	-16	-17	-18	-16	-
28	11	17	-16	-17	-17	-18	-17	-
29	11	40	-16	-17	-17	-19	-17	-
30	12	4	-16	-17	-17	-19	-17	-
31	12	27	-16	-16	-17	-19	-18	-
32	12	52	-16	-17	-17	-18	-17	-
33	13	15	-16	-16	-16	-19	-17	-
34	13	39	-16	-17	-17	-18	-17	-
35	14	2	-17	-17	-16	-19	-17	-
36	14	25	-17	-17	-16	-18	-17	-
37	14	48	-17	-16	-17	-18	-16	-
38	15	11	-16	-16	-16	-19	-17	-
39	15	34	-17	-16	-17	-19	-17	-
40	15	57	-17	-16	-17	-19	-17	-
41	16	21	-17	-17	-17	-19	-17	-
42	16	43	-17	-17	-17	-18	-18	-
43	17	6	-17	-17	-17	-19	-17	-
44	17	29	-16	-17	-16	-18	-18	-
45	17	52	-17	-16	-16	-19	-18	-
46	18	16	-16	-16	-16	-18	-18	-

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
-16	-16	-16	-16	-16	-17	-17	-16	-17
-16	-16	-17	-16	-15	-18	-17	-17	-17
-16	-16	-17	-16	-16	-18	-17	-16	-17
-16	-16	-16	-16	-16	-18	-17	-16	-17
-15	-16	-16	-16	-15	-18	-18	-16	-16
-16	-16	-17	-16	-15	-18	-17	-16	-17
-16	-16	-17	-16	-16	-18	-17	-17	-17
-16	-16	-17	-16	-16	-18	-17	-17	*
-16	-17	-16	-16	-15	-18	-18	-16	-17
-16	-17	-17	-16	-16	-19	-18	-17	-17
-15	-16	-17	-16	-15	-18	-18	-17	-17
-16	-16	-17	-16	-16	-19	-18	-17	-18
-16	-16	-17	-16	-16	-19	-18	-17	-17
-15	-16	-17	-16	-15	-19	-18	-17	-18
-16	-17	-18	-16	-16	-18	-18	-17	-19
-16	-17	-18	-16	-16	-18	-19	-17	-18
-16	-17	-18	-17	-16	-19	-19	-18	-18
-15	-18	-17	-16	-16	-19	-19	-17	-18
-16	-17	-17	-17	-16	-19	-18	-17	-17
-17	-17	-18	-17	-16	-19	-18	-18	-18
-16	-17	-17	-16	-16	-19	-18	-18	-18
-16	-17	-18	-17	-16	-19	-18	-17	-18
-17	-18	-18	-17	-16	-18	-18	-17	-18
-17	-17	-19	-16	-18	-19	-19	-18	-18
-16	-16	-18	-16	-16	-18	-18	-18	-18
-16	-17	-18	-16	-16	-19	-18	-19	-19
-17	-17	-18	-17	-16	-19	-18	-18	-18
-17	-17	-19	-17	-16	-19	-19	-18	-18
-17	-17	-19	-17	-16	-19	-18	-18	-18
-16	-17	-19	-18	-16	-19	-19	-18	-19
-17	-17	-18	-17	-16	-20	-19	-18	-18
-16	-16	-19	-17	-15	-19	-18	-18	-18
-17	-17	-18	-17	-16	-19	-19	-18	-18
-17	-16	-19	-17	-16	-19	-18	-18	-18
-17	-16	-18	-17	-16	-19	-18	-18	-18
-16	-17	-18	-16	-16	-19	-19	-17	-18
-16	-16	-19	-17	-16	-19	-19	-18	-19
-16	-17	-19	-17	-16	-19	-19	-18	-18
-16	-17	-19	-17	-16	-19	-19	-18	-18
-17	-17	-19	-17	-16	-19	-19	-18	-19
-17	-17	-18	-18	-17	-19	-19	-19	-19
-17	-17	-19	-17	-16	-19	-19	-18	-18
-17	-16	-18	-18	-17	-19	-19	-18	-18
-16	-16	-19	-18	-16	-20	-19	-19	-18
-16	-18	-18	-18	-16	-19	-19	-18	-18

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	E D
47	*	*	*	*	*	*	*	
48	19	3	-17	-17	-17	-18	-17	
49	19	26	-17	-17	-17	-18	-17	
50	19	49	*	*	-17	-19	*	
51	20	13	-17	-17	-17	-18	-17	
52	20	36	-16	-17	-17	-18	-11	
53	20	59	-16	-17	-16	-19	-5	
54	21	21	-16	-17	-16	-19	*	
55	21	45	-16	-16	-17	-18	-8	
56	22	8	-16	-16	-16	-19	-8	
57	22	31	-16	-17	-17	-18	-9	
58	22	54	*	-16	-16	-18	-9	
59	23	17	-16	-17	-17	-18	-10	
60	23	41	-16	-17	-16	-18	*	
61	24	4	-17	-16	-16	-18	-9	
62	24	27	-16	-16	-16	-18	-10	
63	24	50	-16	-17	-17	-18	-10	
64	25	13	-16	-17	-17	-18	-10	
65	25	36	-15	-16	-15	-17	-10	
66	25	59	-16	-16	-16	-16	-1	
67	26	23	-15	-15	-16	-19	5	
68	26	46	-15	-16	-15	-19	10	
69	*	*	*	*	*	*	*	
70	27	32	-15	-16	-16	-17	18	
71	27	55	-15	-15	-15	-17	21	
72	28	18	-14	-14	-15	-17	24	
73	28	41	-14	-14	-14	-16	26	
74	29	3	-14	-15	-14	-18	29	
75	29	26	-14	-14	-14	-17	31	
76	29	49	-13	-14	-14	-17	33	
77	30	12	-13	-14	-14	-16	37	
78	30	34	-11	-14	-13	-15	43	
79	30	57	-11	-13	-13	-15	47	
80	31	20	-11	-12	-13	-15	51	
81	31	42	-9	-12	-11	-16	54	
82	32	5	-8	-9	-12	-15	58	
83	*	*	*	*	*	*	*	
84	32	51	-6	-11	-11	-14	64	
85	33	13	-5	-9	-9	-16	65	
86	33	36	-5	-8	-10	-14	66	
87	33	59	-3	-7	-9	-13	66	
88	34	22	-2	-7	-8	-13	67	
89	34	45	-1	-8	-8	-12	68	
90	35	7	-2	-6	-7	-12	68	
91	35	30	-1	-6	-7	-13	68	
92	35	53	0	-5	-6	-13	69	
93	36	16	1	-6	-7	-12	68	
94	36	39	0	-6	-7	-12	68	
95	37	2	0	-5	-6	-12	68	
96	37	25	0	-4	-5	-11	69	

7-06 ENG.1 SNIT XCITR SKIN INBD EG.C	7-07 ENG.1 IGNI EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
*	*	*	*	*	*	*	*	*
-17	-17	-18	-17	-16	-19	-19	-18	-18
-17	-17	-18	-17	-16	-18	-18	-18	-19
*	-17	-19	*	-16	-19	-18	-19	-18
-17	-17	-18	-17	-16	-19	-19	-19	-18
-17	-17	-18	-11	-16	-19	-19	-18	-18
-17	-16	-19	-5	-14	-19	-18	-18	-18
-17	-16	-19	*	*	-19	-17	-18	-16
-16	-17	-18	-8	-14	-19	-17	-18	-17
-16	-18	-19	-8	-14	-19	-17	-18	-18
-17	-17	-18	-9	-14	-19	-17	-18	-18
-16	-16	-18	-9	-14	-18	-17	-19	-18
-17	-17	-18	-10	-14	-19	-17	-18	-18
-17	-16	-18	*	-15	-18	-16	-19	-17
-16	-16	-18	-9	-14	-18	-16	-18	-18
-16	-16	-18	-10	-15	-18	-16	-18	-17
-17	-17	-18	-10	-14	-18	-16	-18	-18
-17	-17	-18	-10	-14	-18	-14	-18	-18
-16	-15	-17	-10	-14	-17	-15	-18	-17
-16	-16	-16	-1	-14	-12	-13	-13	-13
-16	-16	-19	5	-11	-9	-10	-8	-8
-16	-15	-19	10	-9	-9	-9	-6	-6
*	*	*	*	*	*	*	*	*
-16	-16	-17	18	-8	-6	-7	-3	-2
-15	-15	-17	21	-7	-5	-6	-2	-1
-14	-15	-17	24	-6	-6	-5	-2	-1
-14	-14	-16	26	-5	-5	-5	-1	0
-15	-14	-18	29	-4	-5	-4	-1	0
-14	-14	-17	31	-3	-4	-4	-0	0
-14	-14	-17	33	-4	7	18	14	11
-14	-14	-16	37	-4	10	19	20	19
-14	-13	-15	43	-4	15	25	29	28
-13	-13	-15	47	-5	16	26	32	31
-12	-13	-15	51	-4	15	27	32	31
-12	-11	-15	54	-4	18	27	32	31
-9	-12	-15	58	-4	16	26	34	32
*	*	*	*	*	*	*	*	*
-11	-11	-14	64	-4	16	27	35	32
-9	-9	-16	65	-3	16	29	34	32
-8	-10	-14	66	-3	17	28	35	34
-7	-9	-13	66	-2	17	29	37	34
-7	-8	-13	67	-2	18	29	36	34
-8	-8	-12	68	-3	17	29	36	34
-6	-7	-12	68	-1	16	30	38	35
-6	-7	-13	68	-1	17	30	37	34
-5	-6	-13	69	-1	19	29	37	36
-6	-7	-12	66	-1	17	29	36	34
-6	-7	-12	68	-2	18	31	37	35
-5	-6	-12	66	0	10	22	29	28
-4	-5	-11	69	1	2	8	17	16

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-1 ENG. FUE PUM CAS TEM DEG.
97	37	47	0	-4	-6	-12	67	1
98	38	11	0	-4	-5	-13	66	1
99	38	34	1	-3	-5	-8	66	1
100	38	57	2	-4	-4	-9	68	1
101	*	*	*	*	*	*	*	*
102	39	43	3	-2	-3	-12	67	1
103	40	6	2	-2	-4	-11	68	1
104	40	29	3	-2	-4	-10	68	1
105	40	52	3	-2	-3	-10	67	1
106	41	15	3	-1	-4	-11	67	1
107	41	39	4	-2	-3	-11	67	1
108	*	*	4	-2	-3	-11	67	1
109	42	25	4	-1	-3	-11	67	1
110	42	48	3	-0	-3	-12	67	1
111	43	11	4	0	-3	-11	68	1
112	43	34	4	0	-2	-13	67	1
113	43	57	5	0	-3	-12	68	1
114	44	20	5	0	-3	-11	68	1
115	44	43	5	0	-3	-11	67	1
116	45	6	5	-0	-2	-11	67	1
117	45	30	5	0	-2	-12	67	1
118	45	53	5	0	-2	-11	66	1
119	46	16	5	0	-3	-12	66	1
120	46	39	5	0	-2	-11	67	1
121	47	3	5	0	-1	-11	66	1
122	47	26	6	0	-1	-11	67	1
123	47	50	6	0	-1	-12	67	1
124	48	13	7	0	-1	-11	67	1
125	48	36	6	0	-1	-11	67	1
126	48	59	6	0	-1	-11	67	1
127	49	23	7	0	-1	-10	67	1
128	49	45	6	0	-2	-11	67	1
129	50	8	7	0	-0	-10	68	-
130	50	31	7	0	-1	-10	69	-
131	50	54	7	0	-1	-9	69	-
132	51	17	8	0	-1	-8	68	-
133	51	40	8	1	-0	-9	68	-
134	52	2	7	1	-0	-8	69	-
135	52	25	8	1	-1	-7	69	-
136	52	48	8	1	-1	-7	69	-
137	53	10	9	1	0	-6	70	-
138	53	33	10	2	-0	-6	72	-
139	53	55	9	2	0	-6	72	-
140	54	18	10	2	0	-5	72	-
141	54	41	11	3	0	-5	73	-
142	55	3	11	3	1	-4	73	-
143	55	26	11	3	0	-4	73	-
144	55	49	13	5	1	-4	74	-
145	56	11	12	4	0	-5	74	-
146	56	34	14	5	2	-4	74	-

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
-4	-6	-12	67	1	9	18	22	20
-4	-5	-13	66	1	12	21	27	25
-3	-5	-8	66	1	13	23	30	27
-4	-4	-9	68	1	13	24	29	26
*	*	*	*	*	*	*	*	*
-2	-3	-12	67	1	11	24	29	26
-2	-4	-11	68	1	11	22	29	27
-2	-4	-10	68	2	12	24	29	27
-2	-3	-10	67	4	12	24	29	28
-1	-4	-11	67	5	10	20	26	23
-2	-3	-11	67	3	15	26	32	31
-2	-3	-11	67	2	13	24	32	29
-1	-3	-11	67	2	14	25	32	30
-0	-3	-12	67	1	13	25	32	30
0	-3	-11	68	1	13	25	31	29
0	-2	-13	67	1	13	25	32	30
0	-3	-12	68	1	12	24	31	28
0	-3	-11	68	1	12	24	31	28
0	-3	-11	67	2	13	22	30	29
-0	-2	-11	67	2	12	24	30	28
0	-2	-12	67	2	12	24	30	30
0	-2	-11	66	2	13	23	30	29
0	-3	-12	66	1	12	23	30	28
0	-2	-11	67	2	12	23	30	29
0	-1	-11	66	2	11	24	31	29
0	-1	-11	67	2	12	24	31	29
0	-1	-12	67	3	12	24	30	29
0	-1	-11	67	3	13	25	31	30
0	-1	-11	67	3	12	24	31	30
0	-1	-11	67	2	15	25	32	30
0	-1	-10	67	0	18	32	32	30
0	-2	-11	67	0	21	32	32	32
0	-0	-10	68	-0	21	33	35	33
0	-1	-10	69	-1	22	35	30	35
0	-1	-9	69	-1	21	31	36	36
0	-1	-8	68	-1	22	36	40	38
1	-0	-9	68	-2	24	36	40	40
1	-0	-8	69	-3	25	40	46	44
1	-1	-7	69	-1	29	45	48	48
1	-1	-7	69	-3	28	*	45	50
1	0	-6	70	-3	29	*	48	93
2	-0	-6	72	*	30	*	47	53
2	0	-6	72	-4	30	55	47	53
2	0	-5	72	-4	30	51	48	54
3	0	-5	73	-2	30	*	51	55
3	1	-4	73	-4	31	58	51	57
3	0	-4	73	-4	32	57	53	59
3	1	-4	74	-4	33	55	54	60
4	0	-5	74	-3	32	53	54	60
5	2	-4	74	-4	33	53	56	61

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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	E
147	56	56	12	5	1	-4	74	
148	57	19	14	5	2	-4	74	
149	57	42	14	5	1	-4	73	
150	58	4	14	6	1	-4	73	
151	58	27	15	5	2	-4	72	
152	58	50	14	6	2	-4	72	
153	59	12	15	6	3	-3	72	
154	59	35	16	6	3	-4	71	
155	59	57	15	6	3	-4	70	
156	60	20	15	6	2	-4	71	
157	60	42	15	8	4	-4	71	
158	61	4	16	7	3	-5	71	
159	61	26	16	8	4	-4	71	
160	61	49	16	9	4	-4	71	
161	62	11	16	8	4	-4	70	
162	62	33	16	8	4	-4	70	
163	62	55	16	8	4	-4	70	
164	63	18	16	9	4	0	70	
165	63	40	16	9	5	8	66	
166	64	3	15	9	4	12	63	
167	64	25	14	9	4	10	59	
168	64	48	15	9	6	-2	61	
169	65	11	14	9	4	-3	63	
170	65	33	15	9	4	-4	63	
171	65	56	14	8	5	-4	64	
172	66	19	14	8	5	-3	66	
173	66	42	15	9	5	-2	69	
174	67	4	15	9	5	-4	70	
175	67	27	16	8	4	-2	72	
176	67	50	16	9	6	-2	73	
177	68	12	16	10	6	-2	73	
178	68	35	16	10	6	-2	73	
179	68	57	19	10	6	-2	73	
180	69	20	18	10	6	-2	71	
181	69	42	18	10	7	-2	70	
182	70	5	18	11	6	-2	70	
183	70	27	19	10	6	-2	69	
184	70	50	19	11	6	-2	68	
185	71	12	18	10	7	-3	68	
186	71	35	19	10	7	-2	67	
187	71	57	19	12	8	-2	68	
188	72	20	18	11	7	-1	68	
189	72	42	18	12	8	-1	67	
190	73	5	17	12	8	3	65	
191	73	28	17	12	10	9	63	
192	73	50	17	13	9	13	61	
193	74	13	16	14	9	14	60	
194	74	36	16	13	9	15	58	
195	74	59	17	13	10	16	56	
196	75	22	16	13	10	16	55	

7-06 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
5	1	-4	74	-4	32	50	55	57
5	2	-4	74	-2	31	50	55	56
5	1	-4	73	-3	32	50	56	56
6	1	-4	73	-1	30	46	53	52
5	2	-4	72	-2	29	46	53	53
6	2	-4	72	-1	29	45	53	52
6	3	-3	72	-0	29	45	54	53
6	3	-4	71	-0	30	45	54	53
6	3	-4	70	-1	29	45	53	53
6	2	-4	71	0	29	45	53	53
8	4	-4	71	0	30	44	55	53
7	3	-5	71	-0	29	44	55	53
8	4	-4	71	-0	30	45	55	53
9	4	-4	71	-0	30	45	56	54
8	4	-4	70	0	30	45	56	55
8	4	-4	70	0	30	46	56	53
8	4	-4	70	0	31	46	56	55
9	4	0	70	3	11	24	35	35
9	5	8	66	3	5	15	26	22
9	4	12	63	3	3	12	23	16
9	4	10	59	3	3	11	19	14
9	6	-2	61	2	1	7	12	9
9	4	-3	63	6	6	7	12	10
9	4	-4	63	5	13	16	19	18
8	5	-4	64	1	30	41	46	45
8	5	-3	66	0	35	51	59	60
9	5	-2	69	-1	35	54	64	64
9	5	-4	70	-2	37	54	65	66
8	4	-2	72	-2	36	56	67	67
9	6	-2	73	-3	36	56	68	67
10	6	-2	73	-2	36	55	69	68
10	6	-2	73	-2	32	50	63	63
10	6	-2	73	0	24	40	49	48
10	6	-2	71	1	21	35	43	41
10	7	-2	70	1	22	35	43	40
11	6	-2	70	3	22	35	42	40
10	6	-2	69	3	22	35	42	40
11	6	-2	68	3	22	35	42	40
10	7	-3	68	3	21	34	41	39
10	7	-2	67	4	21	34	40	39
12	8	-2	68	4	23	35	42	40
11	7	-1	68	5	16	31	38	39
12	9	-1	67	7	7	15	23	23
12	8	3	65	9	5	10	17	15
12	10	9	63	7	2	8	14	11
13	9	13	61	8	3	9	14	[illegible]
14	9	14	60	7	3	9	13	13
13	9	15	58	7	3	10	14	13
13	10	16	56	7	3	11	14	13
13	10	16	55	7	4	11	14	12

-01 SNEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PU CASE TEMP DEG.C	7- ENG FU PU CA TE DEG
197	75	44	16	13	10	16	55	
198	76	7	16	13	10	16	53	
199	*	*	*	*	*	*	*	

-06	7-07	7-08	7-09	7-10	7-11	7-14	7-15	7-16
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
KIN	SKIN	CASE	CASE	CASE	STG.2	STG.3	STG.4	STG.4
NBO	OUTBD	TEMP	TEMP	TEMP	4.30	6.00	3.00	4.30
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
13	10	16	55	7	3	11	14	12
13	10	16	53	8	4	11	15	12
*	*	*	*	*	*	*	*	*

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CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-2 ENG. POWE TUR CAS 4.0 DEG.
2	1	0	-18	-16	-15	-14	-15	-1
3	1	23	-17	-17	-16	-14	-14	-1
4	1	47	-18	-17	-15	-16	-14	-1
5	2	11	-17	-17	-15	-15	-14	-1
6	2	35	-17	-17	-15	-14	-14	-1
7	2	59	-17	-17	-15	-14	-14	-1
8	3	22	-17	-17	-15	-15	-15	-1
9	3	47	-18	-17	-15	-15	-14	-1
10	4	10	-17	-17	-16	-15	-14	-1
11	4	34	-18	-17	-15	-15	-13	-1
12	4	58	-18	-17	-15	-16	-14	-1
13	5	22	-18	-17	-15	-15	-14	-1
14	5	46	-17	-17	-16	-14	-15	-1
15	6	9	-18	-17	-15	-15	-14	-1
16	6	33	-19	-18	-15	-16	-15	-1
17	6	57	-18	-18	-16	-15	-14	-1
18	7	21	-19	-18	-16	-16	-15	-1
19	7	45	-18	-18	-15	-16	-15	-1
20	8	8	-18	-17	-16	-16	-16	-1
21	8	32	-19	-18	-15	-15	-14	-1
22	8	55	-18	-17	-16	-15	-15	-1
23	9	19	-18	-18	-16	-16	-14	-1
24	9	43	-18	-18	-15	-15	-15	-1
25	10	6	-19	-18	-16	-16	-15	-1
26	10	30	-18	-18	-16	-15	-15	-1
27	10	53	-18	-18	-16	-15	-15	-1
28	11	17	-19	-18	-16	-16	-13	-1
29	11	40	-19	-18	-15	-16	-15	-1
30	12	4	*	-18	-16	-16	-14	-1
31	12	27	*	-18	-16	-15	-15	-1
32	12	52	-19	-17	-16	-15	-16	-1
33	13	15	-18	-18	-16	-16	-15	-1
34	13	39	-19	-18	-16	-16	-15	-1
35	14	2	-19	-18	-16	-15	-15	-1
36	14	25	-19	-18	-16	-16	-15	-1
37	14	48	-18	-18	-16	-15	-16	-1
38	15	11	-19	-18	-16	-16	-16	-1
39	15	34	-18	-17	-16	-16	-15	-1
40	15	57	-18	-18	-16	-16	-16	-1
41	16	21	-19	-19	-16	-16	-16	-1
42	16	43	-19	-18	-16	-15	-16	-1
43	17	6	-19	-18	-16	-16	-16	-1
44	17	29	-19	-18	-16	-16	-16	-1
45	17	52	-19	-19	-16	-16	-16	-1
46	18	16	-19	-18	-16	-16	-16	-1

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19 MARCH 1970
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7-21	7-22	7-23	7-24	7-25	7-26	7-27	7-28
NG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
APRS	GAS GN	GAS	GAS	POWER	POWER	POWER	T5
CSE	TRB	GN TRB	GN TRB	TURB	TURB	TURB	HRNESS
NG.5	CSE	CSE	CSE	CASE	CASE	CASE	TEMP
4.00	4.00	8.00	12.00	4.00	8.00	12.00	
NG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
-16	-15	-14	-15	-15	-16	-15	-18
-17	-16	-14	-14	-15	-16	-15	-17
-17	-15	-16	-14	-16	-16	-15	-17
-17	-15	-15	-14	-15	-15	-14	-17
-17	-15	-14	-14	-15	-16	-14	-17
-17	-15	-14	-14	-15	-16	-14	-18
-17	-15	-15	-15	-16	-16	-15	-18
-17	-15	-15	-14	-16	-16	-14	-17
-17	-16	-15	-14	-16	-16	-14	-17
-17	-15	-15	-13	-16	-15	-14	-17
-17	-15	-16	-14	-16	-16	-15	-17
-17	-15	-15	-14	-16	-16	-15	-17
-17	-16	-14	-15	-16	-16	-15	-18
-17	-15	-15	-14	-15	-16	-14	-17
-18	-15	-16	-15	-16	-16	-15	-17
-18	-16	-15	-14	-16	-15	-15	-18
-18	-16	-16	-15	-16	-16	-15	-19
-18	-15	-16	-15	-16	-17	-15	-18
-17	-16	-16	-16	-16	-17	-15	-18
-18	-15	-15	-14	-17	-16	-15	-18
-17	-16	-15	-15	-16	-17	-16	-18
-18	-16	-15	-14	-16	-16	-15	-18
-18	-15	-16	-15	-16	-16	-16	-17
-18	-16	-16	-15	-16	-16	-15	-18
-18	-16	-15	-15	-16	-16	-16	-18
-18	-16	-15	-15	-16	-16	-15	-18
-18	-16	-16	-13	-16	-16	-15	-18
-18	-15	-16	-15	-16	-15	-16	-18
-18	-16	-16	-14	-16	-17	-16	-18
-18	-16	-15	-15	-16	-16	-15	-18
-17	-16	-15	-16	-16	-17	-15	-18
-18	-16	-16	-15	-16	-17	-16	-18
-18	-16	-16	-15	-16	-17	-16	-18
-18	-16	-15	-13	-16	-17	-16	-18
-18	-16	-16	-15	-16	-17	-14	-18
-18	-16	-15	-16	-17	-17	-15	-18
-18	-16	-16	-16	-16	-16	-16	-18
-17	-16	-16	-15	-16	-17	-16	-18
-18	-16	-16	-16	-16	-17	-16	-18
-18	-16	-15	-16	-16	-17	-16	-18
-18	-16	-15	-16	-17	-17	-16	-18
-18	-16	-16	-16	-17	-17	-16	-18
-18	-16	-16	-16	-16	-16	-15	-18
-19	-16	-16	-16	-16	-17	-16	-18
-18	-16	-16	-16	-15	-17	-16	-18

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C
47	*	*	*	*	*	*	*	*
48	19	3	-18	-18	-16	-15	-16	-17
49	19	26	-19	-18	-15	-16	-16	-15
50	19	49	-19	-18	-16	-16	-16	-17
51	20	13	-19	-18	-16	-16	-16	-16
52	20	36	-19	-18	-16	-16	-15	-16
53	20	59	-17	-17	-14	-14	-14	-16
54	21	21	-16	-16	-14	-14	-14	-15
55	21	45	-16	-16	-15	-15	-14	-16
56	22	8	-16	-16	-15	-14	-14	-15
57	22	31	-15	-16	-15	-14	-14	-16
58	22	54	-14	-16	-15	-15	-14	-15
59	23	17	-16	-16	-15	-15	-14	-15
60	23	41	-15	-16	-15	-14	-14	-14
61	24	4	*	-15	-16	-15	-15	-16
62	24	27	*	-16	-14	-15	-14	-15
63	24	50	-14	-15	-14	-14	-14	-15
64	25	13	-14	-15	-14	-15	-14	-15
65	25	36	-14	-14	-14	-14	-14	-14
66	25	59	-12	-15	14	12	13	7
67	26	23	-11	-10	63	59	60	49
68	26	46	*	-4	90	86	88	96
69	*	*	*	*	*	*	*	*
70	27	32	-5	0	113	111	112	163
71	27	55	-4	0	116	116	117	187
72	28	18	-3	1	120	121	120	205
73	28	41	-4	1	122	123	123	218
74	29	7	-3	2	123	125	124	230
75	29	26	-1	2	125	127	126	238
76	29	49	6	11	194	191	191	252
77	30	12	17	33	220	218	220	269
78	30	34	20	51	239	236	241	293
79	30	57	23	61	245	244	247	310
80	31	20	25	66	246	245	248	320
81	31	42	26	69	245	245	246	325
82	32	5	26	70	244	244	246	329
83	*	*	*	*	*	*	*	*
84	32	51	29	71	244	244	245	334
85	33	13	29	72	244	246	245	335
86	33	36	30	73	246	247	247	337
87	33	59	30	73	249	249	250	341
88	34	22	31	73	247	248	249	340
89	34	45	30	74	246	248	248	339
90	35	7	32	75	245	248	249	338
91	35	30	32	74	247	249	249	339
92	35	53	32	76	244	248	247	339
93	36	16	32	74	247	249	249	337
94	36	39	32	74	245	247	248	333
95	37	2	28	67	219	221	221	318
96	37	25	20	53	188	190	189	306

7-21 ENG.1 HPRS CSE TG.5 8.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 POWER TURB CASE 8.00 DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
*	*	*	*	*	*	*	*
-18	-16	-15	-16	-17	-16	-16	-18
-18	-16	-16	-16	-15	-17	-16	-18
-18	-16	-16	-16	-17	-17	-16	-18
-18	-16	-16	-16	-16	-16	-16	-18
-18	-16	-16	-15	-16	-16	-16	-17
-17	-14	-14	-14	-16	-16	-16	-17
-16	-14	-14	-14	-15	-16	-14	-18
-16	-15	-15	-14	-16	-16	-15	-17
-16	-15	-14	-14	-15	-15	-14	-17
-16	-15	-14	-14	-16	-16	-15	-17
-16	-15	-15	-14	-15	-15	-15	-17
-16	-15	-15	-14	-15	-16	-14	-17
-16	-15	-14	-14	-14	-16	-14	-17
-16	-16	-15	-15	-16	-15	-14	-17
-16	-14	-15	-14	-15	-16	-15	-17
-15	-14	-14	-14	-15	-15	-15	-17
-15	-14	-15	-14	-15	-14	-14	-16
-14	-14	-14	-14	-14	-14	-14	-16
-15	14	12	13	7	-5	0	-14
-10	63	59	60	49	27	39	-16
-4	90	86	86	96	62	81	-13
*	*	*	*	*	*	*	*
0	113	111	112	163	129	140	-9
0	115	116	117	187	155	160	-8
1	120	121	120	205	173	171	-5
1	122	123	123	218	189	181	-2
2	123	125	124	230	200	191	0
2	125	127	126	238	211	199	1
11	194	191	191	252	221	205	4
33	220	218	220	269	231	216	10
51	239	236	241	293	243	231	16
61	245	244	247	310	258	245	22
66	246	245	248	320	270	257	28
69	245	245	246	325	278	263	33
70	244	244	246	329	285	268	39
*	*	*	*	*	*	*	*
71	244	244	245	334	295	274	48
72	244	246	245	335	296	279	52
73	246	247	247	337	299	280	55
73	249	249	250	341	301	283	59
73	247	248	249	340	301	282	63
74	246	248	248	339	301	283	65
75	246	248	249	338	301	282	68
74	247	249	249	339	302	286	69
76	244	248	247	339	301	284	72
74	247	249	249	337	301	284	73
74	245	247	248	333	300	283	74
67	219	221	221	318	292	277	75
53	188	190	189	306	281	272	76

7-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7- ENG POW TU CA 4. DEG
97	37	47	19	40	198	202	198	29
98	38	11	22	46	212	214	213	29
99	38	34	25	52	218	219	219	28
100	38	57	27	55	220	223	221	28
101	*	*	*	*	*	*	*	
102	39	43	27	56	219	222	220	27
103	40	6	26	58	219	222	218	27
104	40	29	27	58	220	222	220	27
105	40	52	27	58	219	222	219	27
106	41	15	23	54	210	213	208	27
107	41	39	28	60	230	232	231	28
108	*	*	*	62	223	224	224	28
109	42	25	28	61	224	227	224	28
110	42	48	29	63	223	226	225	27
111	43	11	31	63	226	227	223	27
112	43	34	29	64	225	227	224	28
113	43	57	29	61	219	221	219	27
114	44	20	27	58	217	220	213	27
115	44	43	29	57	216	219	211	28
116	45	6	28	57	216	219	211	28
117	45	30	28	58	217	220	212	28
118	45	53	27	56	217	218	211	28
119	46	16	28	58	214	219	211	28
120	46	39	29	57	215	218	210	28
121	47	3	29	56	214	217	210	28
122	47	26	29	56	217	218	211	28
123	47	50	30	58	216	220	212	28
124	48	13	29	58	217	219	212	28
125	48	36	29	58	218	218	211	28
126	48	59	29	59	223	224	219	28
127	49	23	32	64	252	248	249	2
128	49	45	34	67	259	255	257	3
129	50	8	35	69	263	258	259	3
130	50	31	36	72	264	261	261	3
131	50	54	36	73	266	261	259	3
132	51	17	37	74	267	263	262	3
133	51	40	39	77	265	264	266	3
134	52	2	41	77	287	284	287	3
135	52	25	46	82	308	304	307	3
136	52	48	48	85	318	314	314	4
137	53	10	51	90	322	*	319	
138	53	33	53	91	323	320	321	4
139	53	55	53	92	326	321	320	4
140	54	18	54	94	325	322	322	4
141	54	41	55	94	328	321	322	4
142	55	3	56	95	329	323	322	4
143	55	26	56	96	332	326	325	4
144	55	49	57	96	33[illegible]	327	326	4
145	56	11	59	98	332	327	326	4
146	56	34	56	98	328	323	323	4

7-21 ENG.1 PRS CSE TG.5 4.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 POWER TURB CASE 8.00 DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
40	198	202	198	291	273	259	76
46	212	214	213	283	267	254	75
52	218	219	219	281	265	253	76
55	220	223	221	280	262	253	76
*	*	*	*	*	*	*	*
56	219	222	220	277	260	251	75
58	219	222	218	276	259	248	76
58	220	222	220	275	259	249	76
58	219	222	219	274	259	248	76
54	210	213	208	272	255	245	76
60	230	232	231	281	258	249	76
62	223	224	224	281	260	250	77
61	224	227	224	280	261	250	77
63	223	226	225	278	262	251	79
63	226	227	223	279	262	249	78
64	225	227	224	280	263	249	79
61	219	221	215	277	260	248	78
58	217	220	213	275	259	245	78
57	216	219	211	269	258	242	79
57	218	219	211	267	257	242	79
58	217	220	212	267	256	242	78
56	217	218	211	266	254	241	79
58	214	219	211	264	254	240	78
57	215	218	210	264	253	239	79
56	214	217	210	263	254	239	78
56	217	218	211	263	253	239	78
58	216	220	213	263	253	238	78
58	217	219	212	263	253	238	78
58	218	218	211	262	253	239	78
59	223	224	219	265	253	238	78
64	252	248	249	288	262	252	79
67	259	255	257	308	273	266	80
69	263	258	259	325	282	274	81
72	264	261	261	337	291	283	82
73	266	261	259	344	299	286	84
74	267	263	262	350	304	290	85
77	265	264	266	351	307	293	86
77	287	284	287	363	313	304	86
82	308	304	307	387	326	324	88
85	318	314	314	412	342	345	92
90	322	*	319	*	357	355	94
91	323	320	321	443	367	365	94
92	326	321	320	451	374	370	96
94	325	322	322	455	378	375	96
94	328	321	322	458	381	378	98
95	329	323	322	463	384	380	99
96	332	326	325	466	387	381	100
96	331	327	326	470	389	385	101
98	332	327	328	470	391	387	102
98	328	323	323	472	392	386	101

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
147	56	56	55	98	316	315	313
148	57	19	55	96	312	312	309
149	57	42	54	96	310	307	307
150	58	4	50	93	286	289	286
151	58	27	49	92	283	282	279
152	58	50	49	92	280	280	279
153	59	12	48	90	279	280	280
154	59	35	49	91	281	281	279
155	59	57	49	91	280	282	281
156	60	20	48	90	281	281	278
157	60	42	48	91	279	282	280
158	61	4	49	90	280	281	283
159	61	26	50	92	281	283	279
160	61	49	48	92	281	282	282
161	62	11	50	92	281	282	282
162	62	33	50	92	280	282	283
163	62	55	49	92	280	282	282
164	63	18	38	86	264	275	266
165	63	40	29	63	257	269	255
166	64	3	19	46	246	260	242
167	64	25	16	38	236	252	230
168	64	48	12	30	196	210	197
169	65	11	10	23	158	172	158
170	65	33	14	22	180	168	175
171	65	56	32	47	279	274	270
172	66	19	45	76	318	310	313
173	66	42	52	91	324	320	321
174	67	4	58	96	328	323	322
175	67	27	59	102	330	324	325
176	67	50	60	103	331	325	323
177	68	12	60	105	328	324	321
178	68	35	59	103	299	303	298
179	68	57	51	96	255	258	245
180	69	20	45	81	237	243	226
181	69	42	43	74	236	240	225
182	70	5	42	70	236	238	223
183	70	27	41	70	235	237	222
184	70	50	41	68	235	237	222
185	71	12	40	67	233	235	221
186	71	35	40	67	233	235	222
187	71	57	40	67	233	236	222
188	72	20	39	67	229	228	222
189	72	42	28	58	213	213	205
190	73	5	20	42	210	214	200
191	73	28	16	32	212	215	200
192	73	50	13	27	211	214	197
193	74	13	14	24	211	211	195
194	74	36	15	23	209	209	193
195	74	59	14	22	207	205	191
196	75	22	13	21	204	203	189

7-21 ENG.1 PRS CSE TG.5 4.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 POWER TURB CASE 8.00 DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
98	316	315	313	460	385	382	102
96	312	312	309	449	376	378	102
96	310	307	307	442	370	370	106
93	286	289	286	421	360	359	105
92	283	282	279	408	351	344	107
92	280	280	279	396	344	334	107
90	279	280	280	388	339	331	108
91	281	281	279	387	337	325	108
91	280	282	281	383	335	324	108
90	281	281	278	382	333	323	108
91	279	282	280	379	333	322	107
90	280	281	283	377	332	323	108
92	281	283	279	379	331	321	107
92	281	282	282	378	332	321	108
92	281	282	282	379	331	320	107
92	280	282	283	376	332	321	107
92	280	282	282	377	332	322	108
86	264	275	266	355	320	305	106
63	257	269	255	322	299	276	103
46	246	260	242	292	280	252	100
38	236	252	230	266	261	232	98
30	196	210	197	251	248	223	97
23	158	172	158	251	243	224	93
22	180	180	175	255	246	227	91
47	279	274	270	290	258	248	89
76	310	310	313	345	286	289	87
91	324	320	321	386	318	319	90
96	328	323	322	416	340	336	91
102	330	324	325	434	358	349	92
103	331	329	323	447	366	356	96
105	328	324	321	452	373	363	97
103	299	303	298	440	372	364	98
96	255	258	249	403	355	341	101
81	237	243	226	365	337	315	102
71	236	240	225	339	321	295	99
70	236	238	223	322	307	284	100
70	235	237	222	310	298	274	99
68	235	237	222	304	291	268	97
67	233	235	221	299	286	263	98
67	233	235	222	296	283	260	96
67	233	236	222	293	280	258	96
67	229	228	222	293	277	260	94
58	213	213	205	289	273	263	92
42	210	214	200	278	263	252	90
32	212	215	200	267	254	242	90
27	211	214	197	257	247	235	89
24	211	211	195	249	240	226	88
23	209	209	193	241	234	225	88
22	207	205	191	234	228	222	86
21	204	203	189	229	224	219	87

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7- ENG PON TU CA 4. DEG
197	75	44	14	21	201	200	186	22
198	76	7	13	20	199	197	185	22
199	*	*	*	*	*	*	*	

7-21 G.1 PRS CSE G.5 .00 G.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 POWER TURB CASE 8.00 DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
21	201	200	188	224	220	215	85
20	199	197	185	221	215	214	84
*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

0-01 SWEEP COUNT	0-02 TIME MIN.	0-03 TIME SEC.	0-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	0-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	0-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	0-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	0-09 ENG.2 LUBE PUMP CASE TEMP DEG.C
2	*	*	-15	-16	-16	-16	-14
3	1	27	-16	-15	-15	-16	-15
4	1	51	-16	-16	-16	-15	-15
5	2	15	-15	-16	-16	-15	-14
6	2	38	-16	-16	-16	-16	-15
7	3	2	-16	-16	-16	-15	-14
8	3	26	-15	-15	-16	-16	-15
9	3	50	-16	-16	-16	-16	-15
10	4	14	-15	-15	-16	-15	-14
11	4	37	-15	-15	-15	-16	-15
12	5	1	-16	*	-16	-16	-15
13	*	22	-16	*	-16	-16	-14
14	5	49	-15	*	-16	-16	-15
15	6	12	-16	*	-16	-16	-14
16	6	36	-15	-16	-17	-16	-15
17	7	0	-16	-16	-16	-16	-14
18	7	24	-16	-16	-16	-16	-15
19	7	48	-16	*	-16	-16	-16
20	*	*	*	*	-16	-15	-15
21	8	35	-14	*	-16	-16	-15
22	8	59	-16	*	-16	-16	-15
23	9	22	-15	*	-15	-16	-16
24	*	*	-15	-16	-16	-16	-16
25	10	9	-16	*	-16	-16	-16
26	10	33	-16	-14	-16	-16	-16
27	*	57	-16	-14	-16	-15	-16
28	11	20	-15	-16	-16	-16	-15
29	11	43	-16	-16	-17	-16	-16
30	12	7	-16	-16	-16	-16	-15
31	12	31	-17	-16	-16	-16	-15
32	12	55	-16	-16	-16	-16	-16
33	13	18	-16	-16	-16	-16	-16
34	13	42	-15	-16	-16	-16	-15
35	14	5	-16	-17	-16	-16	-15
36	14	29	-15	-16	-16	-16	-16
37	14	51	-16	-16	-17	-16	-15
38	15	14	-16	-16	-17	-16	-16
39	15	37	-16	-16	-17	-16	-16
40	16	0	-16	-16	-16	-16	-16
41	*	*	-16	-16	-16	-16	-16
42	16	47	-15	-16	-16	-16	-16
43	*	*	-16	-17	-17	-16	-16
44	17	33	-16	-16	-16	-16	-16
45	17	56	-16	-16	-16	-16	-16
46	18	19	-15	-16	-16	-16	-16

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

8-06 ENG.2 IGNIT EXCITR COUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
-16	-16	-16	-14	-14	-17	-16	-14	-16
-15	-15	-16	-15	-14	-17	-16	-15	-16
-16	-16	-15	-15	-14	-17	-16	-16	-16
-16	-16	-15	-14	-15	-17	-16	-15	-16
-16	-16	-16	-15	-14	-17	-16	-16	-16
-16	-16	-15	-14	-14	-16	-16	-16	-16
-15	-16	-16	-15	-14	-17	-17	-15	-16
-16	-16	-16	-15	-14	-16	-16	-16	-16
-15	-16	-15	-14	-14	-16	-16	-16	-17
-15	-15	-16	-15	-14	-17	-16	-16	-17
*	-16	-16	-15	-14	-17	-16	-15	-16
*	-16	-16	-14	-14	-16	-16	-16	-16
*	-16	-16	-15	-13	-17	-16	-16	-16
*	-16	-16	-14	-14	-17	-16	-16	-16
-16	-17	-16	-15	-14	-17	-17	-16	-15
-16	-16	-16	-14	-16	-16	-17	-15	-16
-16	-16	-16	-15	-14	-16	-16	-16	-16
*	-16	-16	-16	-14	-16	-17	-16	-16
*	-16	-15	-15	-14	-17	-16	-16	-16
*	-16	-16	-15	-15	-16	-17	-16	-17
*	-16	-16	-15	-15	-17	-17	-16	-17
*	-15	-16	-16	-15	-16	-17	-16	-16
-16	-16	-16	-16	-14	-16	-17	-16	-17
*	-16	-16	-16	-14	-16	-17	-16	-16
-14	-16	-16	-16	-15	-16	-17	-16	-16
-14	-16	-15	-16	-14	-17	-16	-16	-17
-16	-16	-16	-15	-15	-17	-17	-16	-16
-16	-17	-16	-16	-15	-17	-16	-15	-16
-16	-16	-16	-15	-15	-17	-16	-16	-17
-16	-16	-16	-15	-14	-16	-16	-16	-17
-16	-16	-16	-16	-14	-17	-16	-16	-17
-16	-16	-16	-16	-14	-16	-17	-16	-16
-16	-16	-16	-15	-15	-17	-16	-16	-17
-17	-16	-16	-15	-14	-16	-16	-16	-16
-16	-16	-16	-16	-14	-17	-16	-16	-16
-16	-17	-16	-15	-14	-16	-17	-16	-17
-16	-17	-16	-16	-14	-17	-16	-15	-15
-16	-17	-16	-16	-14	-17	-16	-16	-16
-16	-16	-16	-16	-15	-16	-17	-16	-17
-16	-16	-16	-16	-15	-17	-16	-16	-17
-16	-16	-16	-16	-14	-17	-16	-16	-16
-17	-17	-16	-16	-16	-17	-17	-16	-16
-16	-16	-16	-16	-15	-16	-16	-16	-16
-16	-16	-16	-16	-14	-16	-17	-16	-16

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	E
47	18	43	-16	-16	-16	-16	-16	
48	19	6	-16	-16	-16	-16	-16	
49	19	29	-16	-16	-16	-16	-16	
50	19	53	-16	-16	-16	-16	-16	
51	20	16	-16	-17	-16	-14	-14	
52	20	39	-16	-16	-16	-15	-14	
53	21	2	-15	-16	-16	-15	-14	
54	21	25	-16	-15	-16	-16	-15	
55	21	48	-16	-16	-16	-16	-9	
56	22	11	-16	-16	-16	-16	-4	
57	22	35	-16	-16	-16	-15	-2	
58	22	57	-16	-16	-16	-16	-3	
59	23	21	-16	-16	-16	-14	-6	
60	23	45	-16	-16	-16	-15	-4	
61	24	8	-16	-16	-16	-15	-6	
62	24	31	-16	-17	-16	-14	-7	
63	24	53	-16	-16	-16	-15	-6	
64	25	16	-16	-16	-15	-14	-6	
65	25	40	-16	-16	-15	-15	-7	
66	26	2	-16	-16	-16	-14	-7	
67	26	26	-16	-16	-16	-14	-5	
68	26	49	-15	-16	-16	-14	-6	
69	27	12	-15	-16	-16	-14	-6	
70	27	35	-16	-16	-15	-13	-5	
71	26	39	-15	-16	-16	-14	-5	
72	28	21	-14	-15	-16	-14	-5	
73	28	44	-15	-15	-15	-14	-6	
74	29	7	-15	-16	-15	-14	-5	
75	29	29	-16	-16	-16	-14	-6	
76	29	52	-16	-16	-16	-13	-5	
77	30	15	-15	-15	-15	-13	-6	
78	30	38	-16	-16	-16	-13	-4	
79	31	0	-16	-16	-16	-13	-7	
80	*	20	-14	-15	-15	-13	-6	
81	31	45	-15	-16	-15	-13	-6	
82	32	8	-15	-15	-16	-13	-6	
83	32	31	-15	-15	-16	-13	-6	
84	32	54	-14	-14	-16	-13	-7	
85	33	16	-15	-15	-15	-14	-5	
86	33	39	-14	-15	-15	-16	0	
87	34	2	-13	-14	-13	-14	9	
88	34	25	-13	-14	-13	-12	14	
89	34	48	-13	-13	-14	-12	19	
90	35	10	-13	-13	-14	-11	22	
91	35	33	-13	-14	-13	-11	25	
92	35	56	-13	-14	-13	-11	29	
93	36	19	-12	-13	-13	-10	32	
94	36	42	-13	-12	-14	-10	35	
95	37	5	-12	-12	-13	-8	39	
96	37	28	-12	-11	-12	-7	45	

8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
-16	-16	-16	-16	-15	-17	-16	-16	-16
-16	-16	-16	-16	-14	-17	-16	-16	-16
-16	-16	-16	-16	-15	-16	-16	-16	-16
-16	-16	-16	-16	-14	-17	-16	-16	-16
-17	-16	-14	-14	-15	-16	-16	-15	-16
-16	-16	-15	-14	-16	-15	-15	-15	-16
-16	-16	-15	-14	-14	-14	-14	-14	-16
-15	-16	-16	-15	-15	-15	-16	-14	-16
-16	-16	-16	-9	-14	-15	-15	-14	-16
-16	-16	-16	-4	-14	-14	-16	-15	-14
-16	-16	-15	-2	-13	-14	-16	-14	-13
-16	-16	-16	-3	-14	-15	-16	-16	-9
-16	-16	-14	-6	-13	-16	-15	-16	-9
-16	-16	-15	-4	-12	-14	-14	-15	-9
-16	-16	-15	-6	-14	-14	-13	-15	-8
-17	-16	-14	-7	-13	-14	-13	-16	-9
-16	-16	-15	-6	-13	-14	-13	-15	-9
-16	-15	-14	-6	-14	-14	-12	-14	-8
-16	-15	-15	-7	-12	-14	-12	-14	-7
-16	-16	-14	-7	-13	-13	-11	-14	-7
-16	-16	-14	-5	-14	-13	-12	-13	-7
-16	-16	-14	-6	-14	-13	-11	-14	-7
-16	-16	-14	-6	-13	-13	-11	-12	-7
-16	-15	-13	-5	-13	-13	-11	-14	-7
-16	-16	-14	-5	-13	-12	-10	-13	-6
-15	-16	-14	-5	-13	-11	-9	-12	-6
-15	-15	-14	-6	-12	-11	-9	-13	-4
-16	-15	-14	-5	-13	-13	-9	-14	-6
-16	-16	-14	-6	-12	-12	-9	-13	-6
-16	-16	-13	-5	-14	-12	-9	-14	-6
-15	-16	-13	-6	-13	-12	-9	-12	-7
-16	-16	-13	-4	-13	-12	-9	-13	-7
-16	-16	-13	-7	-13	-13	-9	-13	-7
-15	-15	-13	-6	-13	-12	-10	-13	-8
-16	-15	-13	-6	-13	-13	-10	-13	-7
-15	-16	-13	-6	-12	-13	-9	-13	-8
-15	-16	-13	-6	-13	-14	-9	-13	-9
-14	-16	-13	-7	-12	-13	-11	-13	-9
-15	-15	-14	-5	-14	-14	-12	-13	-10
-15	-15	-16	0	-12	-13	-11	-9	-9
-14	-13	-14	9	-9	-9	-5	-3	-6
-14	-13	-12	14	-7	-8	-4	-2	-4
-13	-14	-12	19	-6	-8	-3	-1	-4
-13	-14	-11	22	-3	-6	-3	0	-4
-14	-13	-11	25	-2	-6	-2	0	-2
-14	-13	-11	29	-1	-7	-3	-1	-2
-13	-13	-10	32	-0	-6	-3	0	-2
-12	-14	-10	35	0	-5	6	12	-0
-12	-13	-9	39	-1	0	14	23	3
-11	-12	-7	45	-3	0	16	27	9

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C
97	37	51	-10	-10	-12	-4	48
98	38	14	-9	-11	-13	-5	52
99	38	37	-10	-9	-11	-6	54
100	39	0	-9	-9	-12	-6	57
101	39	23	-9	-8	-10	-7	59
102	39	46	-9	-7	-11	-6	62
103	40	9	-8	-7	-11	-6	63
104	40	32	-7	-7	-11	-4	65
105	40	55	-7	-7	-10	-6	67
106	41	18	-7	-7	-10	-5	68
107	41	42	-5	-4	-9	-5	69
108	42	5	-5	-5	-7	-6	69
109	42	28	-5	-5	-8	-6	69
110	42	51	-4	-3	-8	-5	70
111	43	14	-5	-3	-5	-4	70
112	43	37	-4	-3	-8	-5	71
113	44	0	-4	-3	-7	-6	71
114	44	23	-2	-3	-7	-5	72
115	44	46	-2	-2	-6	-4	72
116	45	10	-3	-2	-7	-5	73
117	45	33	-2	-2	-7	-6	72
118	45	56	-4	-1	-7	-5	72
119	46	20	-2	0	-6	-5	72
120	46	43	-2	-1	-6	-5	73
121	47	6	-1	0	-7	-5	73
122	47	30	-1	0	*	-4	73
123	47	53	-2	0	-6	-5	74
124	48	16	-0	0	-6	-5	73
125	48	39	0	0	-5	-5	74
126	49	3	0	0	-5	-6	73
127	49	26	-1	0	-6	-3	73
128	49	49	0	0	-5	-3	73
129	50	11	0	0	-6	-3	73
130	50	34	0	1	-5	-1	74
131	50	57	0	0	-5	-3	74
132	51	20	0	1	-5	-3	73
133	51	43	0	0	-5	-2	73
134	52	6	1	1	-4	-1	74
135	52	28	2	1	-2	0	74
136	52	51	2	2	-2	0	75
137	53	14	2	2	-4	0	76
138	53	36	4	4	-3	1	77
139	53	59	5	6	-3	0	76
140	54	21	4	5	-1	1	76
141	54	44	6	6	-1	1	77
142	55	6	6	6	0	1	78
143	55	29	7	7	-0	1	78
144	55	52	6	8	0	1	77
145	56	15	7	8	0	2	78
146	56	37	9	8	0	3	78

8-06 ENG.2 IGNIT EXCITR COUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
-10	-12	-4	48	-1	0	11	9	9
-11	-13	-5	52	-1	-0	12	18	9
-9	-11	-6	54	0	-1	11	19	11
-9	-12	-6	57	0	0	11	17	10
-8	-10	-7	59	-0	-1	10	17	12
-7	-11	-6	62	[illegible]	0	10	18	11
-7	-11	-6	[illegible]	0	-0	10	18	12
-7	-11	-4	65	1	-1	11	18	12
-7	-10	-6	67	3	1	11	19	12
-7	-10	-5	68	4	3	11	16	13
-4	-9	-5	69	4	-0	10	10	13
-5	-7	-6	69	4	-1	10	15	12
-5	-8	-6	69	4	0	11	17	12
-3	-8	-5	70	3	0	11	17	13
-3	-5	-4	70	4	0	11	18	13
-2	-8	-3	71	2	1	12	18	14
-3	-7	-6	71	2	2	13	20	14
-3	-7	-5	72	3	3	13	22	14
-2	-6	-4	72	3	3	14	21	15
-2	-7	-5	71	2	3	13	21	15
-2	-7	-6	72	2	3	13	22	16
-1	-7	-5	72	2	2	14	21	16
0	-6	-5	72	2	3	13	23	15
-1	-6	-5	73	2	3	15	23	15
0	-7	-4	73	3	2	14	22	16
0	-6	-5	74	2	3	14	21	15
0	-5	-5	73	2	3	16	22	15
0	-5	-6	74	2	3	14	22	15
0	-6	-3	73	2	3	14	22	16
0	-5	-3	73	2	3	17	27	17
0	-6	-3	73	2	3	20	32	17
0	-5	-3	74	2	3	21	33	19
0	-6	-1	74	2	3	22	34	20
1	-5	-3	74	2	3	22	34	20
0	-5	-3	73	2	3	20	30	20
1	-5	-2	73	2	3	20	31	20
0	-4	-1	74	2	3	22	35	19
1	-2	0	74	2	3	24	41	21
1	-2	0	74	2	3	30	44	23
2	-4	0	75	2	3	32	47	26
2	-3	1	75	2	3	32	48	29
4	-3	0	76	2	3	33	49	29
5	-1	1	76	2	3	32	48	30
6	-1	1	77	2	3	32	49	29
6	0	1	78	2	3	33	48	30
7	-2	2	78	2	3	32	46	31
8	0	2	77	2	3	34	46	31
8	0	3	78	2	3	34	47	30
8	0	3	78	2	3	35	48	32
					3	33	48	31

8-01 SHEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8 EN F P C T DE
147	57	0	9	8	0	2	77	
148	57	22	9	9	0	2	77	
149	57	45	9	10	0	3	76	
150	58	7	9	9	0	2	77	
151	58	30	10	11	0	3	76	
152	58	53	11	12	1	2	75	
153	59	15	11	10	1	2	75	
154	59	38	10	11	1	1	75	
155	60	0	10	11	1	1	74	
156	60	23	10	11	2	1	76	
157	60	45	11	11	2	1	75	
158	61	7	11	11	2	2	74	
159	61	29	10	11	1	1	75	
160	61	52	12	11	2	2	75	
161	62	14	12	11	1	2	74	
162	62	36	11	11	2	2	75	
163	62	58	10	12	2	1	74	
164	63	21	11	12	1	3	74	
165	63	43	11	12	2	3	75	
166	64	6	11	13	3	3	77	
167	64	29	11	13	3	4	76	
168	64	51	12	14	3	4	75	
169	65	14	13	15	3	4	77	
170	65	37	14	14	4	5	77	
171	65	59	15	15	4	11	76	
172	66	22	14	15	4	19	73	
173	66	45	14	16	3	29	70	
174	67	8	13	16	3	26	67	
175	67	30	14	15	3	3	66	
176	67	53	14	15	3	0	68	
177	68	15	14	14	3	0	69	
178	68	38	13	13	3	3	70	
179	69	0	13	13	4	2	72	
180	69	23	11	12	5	2	73	
181	69	45	12	13	4	2	72	
182	70	8	11	13	4	3	73	
183	70	30	12	13	4	2	72	
184	70	53	12	13	5	2	72	
185	71	15	12	13	4	2	73	
186	71	38	11	13	5	3	72	
187	72	1	11	14	6	4	73	
188	72	23	12	13	5	7	73	
189	72	46	12	14	6	15	72	
190	73	8	12	14	5	21	70	
191	73	31	11	14	8	25	69	
192	73	54	12	14	9	25	68	
193	74	16	13	15	8	25	64	
194	74	39	12	14	8	24	63	
195	75	2	13	15	8	24	61	
196	75	25	13	15	9	24	60	

8-06 ENG.2 IGNIT EXCITR COUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
8	0	2	77	-2	15	31	44	31
9	0	2	77	-2	16	32	45	30
10	0	3	76	-3	17	31	43	30
9	0	2	77	-1	15	28	40	29
11	0	3	76	-0	17	28	41	29
12	1	2	75	0	15	29	41	28
10	1	2	75	-0	14	30	40	28
11	1	1	75	0	15	29	42	30
11	1	1	74	0	14	30	42	28
11	2	1	76	-1	15	29	42	29
11	2	1	75	-0	14	30	42	27
11	2	2	74	0	15	29	41	30
11	1	1	75	-1	15	30	43	29
11	2	2	75	0	14	30	42	31
11	1	2	74	0	16	29	43	30
11	2	2	75	0	15	30	43	31
12	2	1	74	0	15	30	43	29
12	1	3	74	-1	16	35	51	32
12	2	3	75	-2	19	35	51	34
13	3	3	77	-2	19	36	52	36
13	3	4	76	-3	20	37	53	36
14	3	4	78	-3	19	36	51	36
15	3	4	77	-2	21	36	53	36
14	4	5	77	-2	19	35	48	34
15	4	11	76	0	14	19	27	33
15	4	19	73	1	6	8	13	27
16	3	29	70	1	3	7	11	21
16	3	26	67	1	3	7	11	19
15	3	3	66	2	2	5	6	16
15	3	0	68	3	4	7	9	14
14	3	0	69	4	6	16	19	14
13	3	3	70	2	12	28	41	18
13	4	2	72	3	12	24	32	20
12	5	2	73	3	12	23	32	22
13	4	2	72	3	13	24	31	23
13	4	3	73	3	12	22	31	24
13	4	2	72	4	13	22	32	24
13	5	2	72	5	13	23	31	24
13	4	2	73	5	13	22	31	24
13	5	3	72	4	13	23	31	25
14	6	3	73	5	13	24	30	24
13	5	7	73	7	13	16	21	24
14	6	15	72	8	6	6	10	21
14	5	21	70	8	4	6	8	19
14	8	25	69	10	4	6	11	17
14	9	25	65	9	5	8	10	17
15	8	25	64	8	5	9	11	16
15	8	24	63	10	6	8	11	16
15	8	24	61	9	6	9	11	16
15	8	24	60	9	6	10	11	15

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	E D
197	75	47	14	14	8	22	49	
198	76	10	13	15	8	22	58	
199	*	*	*	*	*	*		

8-06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
NG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
GNIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
CITR	EXCITR	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
OUNT	SKIN	CASE	CASE	CASE	STG.2	STG.3	STG.3	STG.3
TEMP	OUTBD	TEMP	TEMP	TEMP	4.30	3.00	4.30	6.00
EG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
14	8	22	59	9	6	9	11	16
15	8	22	58	9	6	10	11	15
*	*	*	*	*	*	*	*	*

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8 EN CO S1 D9
2	*	*	-16	-16	-15	-14	-15	
3	1	27	-16	-14	-14	-15	-15	
4	1	51	-16	-16	-15	-15	-16	
5	2	15	-16	-15	-16	-14	-16	
6	2	38	-15	-16	-15	-15	-15	
7	3	2	-16	-16	-14	-14	-16	
8	3	26	-15	-16	-15	-15	-16	
9	3	50	-16	-16	-15	-14	-15	
10	4	14	-16	-16	-15	-14	-15	
11	4	37	-16	-16	-15	-14	-16	
12	5	1	-16	-15	-15	-14	-14	
13	*	22	-16	-14	-16	-14	-15	
14	5	49	-16	-16	-16	-14	-15	
15	6	12	-16	-15	-16	-14	-16	
16	6	36	-16	-16	-15	-16	-16	
17	7	0	-16	-16	-15	-15	-16	
18	7	24	-16	-16	-16	-15	-16	
19	7	48	-16	-15	-14	-14	-16	
20	*	*	-16	-16	-15	-15	-16	
21	8	35	-16	-16	-15	-14	-16	
22	8	59	-16	-16	-16	-15	-16	
23	9	22	-16	-16	-16	-15	-16	
24	*	*	-16	-15	-15	-15	-16	
25	10	9	-16	-16	-16	-16	-16	
26	10	33	-16	-15	-15	-14	-16	
27	*	53	-16	-16	-15	-14	-16	
28	11	20	-16	-16	-16	-15	-16	
29	11	43	-16	-16	-16	-15	-16	
30	12	7	-16	-16	-15	-15	-16	
31	12	31	-16	-16	-16	-15	-16	
32	12	55	-15	-16	-16	-15	-15	
33	13	18	-16	-16	-16	-14	-15	
34	13	42	-16	-16	-16	-16	-16	
35	14	5	-16	-16	-15	-15	-15	
36	14	28	-16	-16	-16	-15	-16	
37	14	51	-16	-16	-15	-14	-16	
38	15	14	-16	-16	-15	-15	-16	
39	15	37	-16	-16	-15	-16	-16	
40	16	0	-16	-16	-16	-15	-16	
41	*	*	-16	-16	-15	-15	-16	
42	16	47	-16	-16	-16	-15	-16	
43	*	*	-16	-16	-16	-15	-15	
44	17	33	-16	-16	-15	-15	-15	
45	17	56	-16	-16	-16	-15	-16	
46	18	19	-16	-16	-16	-15	-16	

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8-16 ENG.2 COMPRS CSE STG.4 6.30 G.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 GAS GN TURB CASE 8.00 DEG.C	8-24 ENG.2 GAS GN TURB CASE 12.00 DEG.C	8-25 ENG.2 POWER TURB CASE 4.00 DEG.C
-16	-15	-14	-15	-15	-15	-13	-14	-16
-14	-14	-15	-15	-15	-14	-14	-14	-16
-16	-15	-15	-16	-16	-15	-14	-14	-16
-15	-16	-14	-16	-15	-14	-14	-13	-16
-16	-15	-15	-15	-15	-14	-14	-13	-16
-16	-14	-14	-16	-15	-14	-14	-13	-15
-16	-15	-15	-16	-15	-15	-14	-14	-16
-16	-15	-14	-15	-15	-14	-14	-14	-15
-16	-15	-14	-15	-15	-14	-14	-13	-16
-16	-15	-14	-16	-16	-15	-14	-14	-15
-15	-15	-14	-14	-16	-14	-14	-13	-15
-14	-16	-14	-15	-15	-14	-14	-14	-15
-16	-16	-14	-15	-15	-14	-14	-14	-16
-15	-16	-14	-16	-16	-15	-14	-14	-15
-16	-15	-16	-16	-15	-15	-14	-14	-16
-16	-15	-15	-16	-16	-15	-15	-14	-16
-16	-16	-15	-16	-16	-14	-14	-14	-16
-15	-14	-14	-16	-16	-14	-14	-14	-16
-16	-15	-15	-16	-16	-14	-14	-14	-16
-16	-15	-14	-16	-16	-15	-15	-14	-16
-15	-16	-15	-16	-15	-14	-14	-13	-16
-16	-16	-15	-16	-16	-14	-14	-14	-16
-15	-15	-15	-16	-16	-14	-15	-14	-16
-16	-16	-16	-16	-16	-14	-15	-13	-16
-15	-15	-14	-16	-15	-15	-15	-13	-15
-16	-15	-14	-16	-16	-14	-14	-14	-16
-16	-16	-15	-16	-16	-15	-14	-14	-16
-16	-16	-15	-16	-14	-15	-15	-14	-16
-16	-15	-15	-16	-16	-15	-14	-14	-17
-16	-16	-15	-16	-16	-15	-15	-13	-16
-16	-16	-15	-15	-15	-15	-15	-15	-17
-16	-16	-14	-15	-16	-14	-14	-14	-16
-16	-16	-16	-16	-16	-13	-14	-14	-17
-16	-15	-15	-15	-16	-14	-14	-14	-16
-16	-16	-15	-16	-16	-15	-15	-14	-16
-16	-15	-14	-16	-16	-14	-14	-15	-16
-16	-15	-15	-16	-16	-14	-14	-14	-16
-16	-15	-16	-16	-16	-15	-15	-14	-16
-16	-16	-15	-16	-15	-15	-15	-14	-16
-16	-15	-15	-16	-16	-14	-16	-14	-16
-16	-16	-15	-16	-16	-16	-15	-14	-16
-16	-16	-15	-15	-16	-14	-14	-14	-17
-16	-15	-15	-15	-16	-15	-15	-13	-17
-16	-16	-15	-16	-16	-15	-15	-14	-16
-16	-16	-15	-15	-16	-14	-14	-14	-16

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
47	18	43	-16	-16	-16	-15	-16
48	19	6	-16	-16	-16	-16	-16
49	19	29	-16	-16	-16	-16	-15
50	19	53	-16	-16	-15	-16	-16
51	20	16	-16	-16	-14	-14	-15
52	20	39	-16	-16	-15	-15	-16
53	21	2	-16	-15	-14	-14	-15
54	21	25	-14	-15	-14	-15	-15
55	21	48	-16	-14	-14	-14	-16
56	22	11	-14	-14	-14	-13	-15
57	22	35	-16	-15	-15	-14	-14
58	22	57	-14	-16	-16	-13	-14
59	23	21	-14	-16	-14	-14	-14
60	23	45	-14	-16	-16	-15	-14
61	24	8	-14	-16	-16	-16	-14
62	24	31	-13	-15	-15	-14	-14
63	24	53	-13	-16	-14	-14	-13
64	25	16	-13	-15	-15	-15	-13
65	25	40	-12	-14	-16	-14	-13
66	26	2	-11	-15	-16	-14	-14
67	26	26	-11	-15	-15	-14	-14
68	26	49	-11	-14	-16	-14	-13
69	27	12	-10	-14	-15	-14	-13
70	27	35	-11	-14	-15	-14	-13
71	26	39	-11	-14	-14	-14	-13
72	28	21	-10	-13	-14	-14	-13
73	28	44	-11	-14	-14	-14	-14
74	29	7	-10	-14	-13	-14	-13
75	29	29	-10	-13	-14	-14	-13
76	29	52	-10	-14	*	-14	-12
77	30	15	-9	-14	-15	-14	-13
78	30	38	-9	-13	-13	-14	-13
79	31	0	-10	-14	-13	-14	-13
80	*	20	-10	-14	-14	-13	-14
81	31	45	-10	-14	-14	-14	-13
82	32	8	-9	-14	-14	-14	-12
83	32	31	-11	-14	-13	-14	-13
84	32	54	-9	-14	-14	-14	-13
85	33	16	-11	-14	-14	-14	-12
86	33	39	-12	-12	-12	-13	-13
87	34	2	-0	-2	0	-9	-11
88	34	25	0	0	0	-2	-4
89	34	48	1	0	1	0	-1
90	35	10	3	1	3	2	1
91	35	33	3	1	4	3	2
92	35	56	3	2	3	4	3
93	36	19	3	2	3	4	3
94	36	42	15	14	17	7	6
95	37	5	33	29	33	26	22
96	37	28	41	34	38	43	38

8-16 NG.2 MPRS CSE TG.4 4.30 EG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 GAS GN TURB CASE 8.00 DEG.C	8-24 ENG.2 GAS GN TURB CASE 12.00 DEG.C	8-25 ENG.2 POWER TURB CASE 4.00 DEG.C
-16	-16	-15	-16	-16	-15	-15	-14	-16
-16	-16	-16	-16	-16	-16	-15	-14	-16
-16	-16	-16	-15	-16	-14	-15	-14	-17
-16	-15	-16	-16	-16	-15	-15	-14	-16
-16	-14	-14	-15	-16	-15	-15	-14	-16
-16	-15	-15	-16	-14	-15	-14	-14	-16
-15	-14	-14	-15	-16	-16	-14	-12	-16
-15	-14	-15	-15	-15	-14	-15	-14	-16
-14	-14	-14	-16	-15	-15	-14	-14	-16
-14	-14	-13	-15	-14	-13	-12	-12	-16
-15	-15	-14	-14	-14	-11	-11	-10	-15
-16	-16	-13	-14	-14	-11	-11	-10	-14
-16	-14	-14	-14	-14	-11	-11	-11	-13
-16	-16	-15	-14	-14	-12	-12	-11	-13
-16	-16	-16	-14	-14	-12	-11	-11	-14
-15	-15	-14	-14	-14	-11	-12	-11	-13
-16	-14	-14	-13	-13	-12	-11	-10	-13
-15	-15	-15	-13	-13	-12	-12	-12	-12
-14	-16	-14	-13	-12	-12	-11	-11	-13
-15	-16	-14	-14	-12	-13	-12	-11	-12
-15	-15	-14	-14	-12	-11	-12	-11	-13
-14	-16	-14	-13	-11	-11	-12	-11	-12
-14	-15	-14	-13	-11	-12	-11	-11	-13
-14	-15	-14	-13	-11	-12	-12	-11	-13
-14	-14	-14	-13	-10	-11	-10	-11	-12
-13	-14	-14	-13	-11	-11	-9	-11	-13
-14	-14	-14	-14	-11	-12	-12	-11	-13
-14	-13	-14	-13	-10	-12	-12	-11	-13
-13	-14	-14	-13	-11	-11	-11	-11	-13
-14	*	-14	-12	-11	-12	-11	-11	-13
-14	-15	-14	-13	-11	-12	-11	-11	-13
-13	-13	-14	-13	-10	-12	-11	-10	-12
-14	-13	-14	-13	-11	-11	-12	-11	-13
-14	-14	-13	-14	-11	-12	-11	-11	-12
-14	-14	-14	-13	-11	-11	-11	-10	-13
-14	-14	-14	-12	-10	-11	-11	-11	-14
-14	-13	-14	-13	-11	-12	-11	-10	-12
-14	-14	-14	-13	-10	-12	-11	-12	-13
-14	-14	-14	-12	-12	-12	-11	-12	-13
-12	-12	-13	-13	-10	-6	-4	-4	-8
-2	0	-9	-11	-5	50	48	47	31
0	0	-2	-4	0	90	87	89	80
0	1	0	-1	2	111	112	112	124
1	3	2	1	5	122	126	126	160
1	4	3	2	6	128	133	133	186
2	3	4	3	6	131	139	136	205
2	3	4	3	7	133	142	139	220
14	17	7	6	13	163	170	166	229
29	33	26	22	41	213	219	218	255
34	38	43	38	58	231	247	241	287

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8- ENG COMP C STG 6. DEG
97	37	51	36	29	32	48	44	6
98	38	14	34	26	30	46	42	5
99	38	37	35	27	31	45	40	5
100	39	0	34	26	31	43	39	5
101	39	23	34	26	29	43	38	5
102	39	46	34	26	31	42	39	5
103	40	9	35	26	30	43	38	5
104	40	32	34	26	29	44	39	5
105	40	55	36	28	31	43	39	6
106	41	18	36	28	31	47	43	6
107	41	42	24	18	20	39	37	4
108	42	5	31	20	24	34	32	4
109	42	28	33	24	27	35	32	4
110	42	51	35	24	29	39	35	4
111	43	14	35	24	29	40	36	4
112	43	37	36	25	29	40	36	4
113	44	0	36	28	32	41	37	4
114	44	23	36	28	32	44	40	4
115	44	46	38	29	33	46	41	4
116	45	10	38	29	33	46	42	4
117	45	33	38	30	33	46	42	4
118	45	56	38	29	34	47	42	4
119	46	20	38	29	34	47	42	4
120	46	43	38	30	34	48	42	4
121	47	6	38	31	35	47	42	4
122	47	30	37	31	34	48	44	4
123	47	53	38	32	34	49	45	4
124	48	16	39	32	36	48	45	4
125	48	39	38	32	35	50	46	4
126	49	3	41	34	38	49	45	4
127	49	26	44	41	44	56	50	5
128	49	49	48	44	46	60	56	5
129	50	11	49	45	49	64	60	5
130	50	34	51	46	48	66	60	5
131	50	57	42	39	41	64	60	5
132	51	20	39	40	41	62	56	5
133	51	43	48	44	48	60	54	5
134	52	6	59	49	53	63	59	5
135	52	28	60	57	59	72	64	6
136	52	51	63	57	62	78	71	6
137	53	14	65	58	63	80	73	6
138	53	36	66	58	63	81	74	6
139	53	59	65	58	63	82	77	6
140	54	21	67	60	65	82	75	6
141	54	44	66	61	64	85	80	6
142	55	6	56	56	61	84	82	6
143	55	29	58	56	62	80	78	6
144	55	52	59	57	63	80	76	6
145	56	15	58	57	64	80	76	6
146	56	37	60	58	63	83	79	6

8-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
NG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
MPRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	GAS GN	GAS GN	POWER
CSE	CSE	CSE	CSE	CSE	TURB	TURB	TURB	TURB
TG.4	STG.4	STG.5	STG.5	STG.5	CASE	CASE	CASE	CASE
4.30	6.00	3.00	4.30	6.00	4.00	8.00	12.00	4.00
EG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
29	32	48	44	62	216	236	226	294
26	30	46	42	59	210	225	215	286
27	31	45	40	59	209	221	213	278
26	31	43	39	57	208	220	211	275
26	29	43	38	58	209	218	212	273
26	31	42	39	57	208	220	212	272
26	30	43	38	57	209	220	213	270
26	29	44	39	58	209	220	212	271
26	31	43	39	57	210	220	213	270
28	31	47	43	60	213	225	216	278
18	20	39	37	44	190	204	194	268
20	24	34	32	40	191	204	194	258
24	27	35	32	47	199	209	203	257
24	29	39	35	49	201	213	205	254
24	29	40	36	51	201	214	206	257
25	29	40	36	52	203	213	207	258
28	32	41	37	55	210	223	214	262
28	32	44	40	58	212	225	219	268
29	33	46	41	60	213	226	216	273
29	33	46	42	60	214	226	216	275
30	33	46	42	61	213	228	220	276
29	34	47	42	61	214	228	219	278
29	34	47	42	61	215	228	220	278
30	34	48	42	62	214	229	222	279
31	35	47	42	61	214	228	218	281
31	34	48	44	63	215	229	219	280
32	34	49	45	63	215	228	223	281
32	36	48	45	61	216	229	220	282
32	35	50	45	63	214	228	219	281
34	38	49	45	63	2[illegible]5	239	230	285
41	44	56	50	69	2[illegible]0	267	258	315
44	46	60	56	73	[illegible]	275	269	341
45	49	64	60	76	[illegible]	277	269	357
46	48	66	60	79	2[illegible]0	279	270	363
39	41	64	60	77	260	278	269	368
40	41	62	56	75	260	281	270	369
44	48	60	54	75	263	284	272	371
49	53	63	59	82	290	305	292	385
57	59	72	64	91	315	330	313	398
57	62	78	71	97	325	339	323	417
58	63	80	73	100	330	344	327	427
58	63	81	74	100	327	341	326	434
58	63	82	77	101	326	344	329	438
60	65	82	75	102	328	344	330	440
61	64	85	80	103	327	343	330	441
56	61	84	82	97	328	345	328	442
56	62	80	78	97	332	346	330	447
57	63	80	76	96	332	346	331	451
57	64	80	76	97	333	347	331	452
58	63	83	79	98	326	342	328	448

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
147	57	0	56	54	59	81	77
148	57	22	57	55	58	79	76
149	57	45	56	55	60	80	76
150	58	7	55	51	54	78	74
151	58	30	56	53	55	78	75
152	58	53	57	54	55	75	70
153	59	15	58	53	55	73	67
154	59	38	58	54	56	75	69
155	60	0	58	51	56	74	68
156	60	23	59	53	58	75	70
157	60	45	59	54	56	75	71
158	61	7	60	53	57	74	69
159	61	29	61	54	58	75	71
160	61	52	60	53	58	76	71
161	62	14	62	55	58	76	73
162	62	36	63	54	57	75	71
163	62	58	61	54	57	75	71
164	63	21	70	63	68	81	76
165	63	43	72	65	67	87	83
166	64	6	73	66	69	92	88
167	64	29	73	66	70	93	88
168	64	51	73	67	70	93	89
169	65	14	73	67	71	95	92
170	65	37	70	64	68	94	90
171	65	59	53	44	44	88	84
172	66	22	29	25	21	62	61
173	66	45	24	19	20	46	44
174	67	8	23	18	17	36	34
175	67	30	14	11	10	31	27
176	67	53	16	14	19	24	21
177	68	15	26	23	26	21	19
178	68	38	51	45	50	37	33
179	69	0	49	41	45	54	50
180	69	23	50	40	45	58	53
181	69	45	50	39	44	58	53
182	70	8	49	39	44	58	55
183	70	30	50	40	44	60	55
184	70	53	49	40	44	58	55
185	71	15	50	38	44	58	54
186	71	38	48	40	44	57	54
187	72	1	49	39	44	59	54
188	72	23	42	34	36	58	56
189	72	46	23	19	17	48	50
190	73	8	19	16	16	37	40
191	73	31	19	16	18	32	34
192	73	54	19	16	17	30	31
193	74	16	19	16	17	30	29
194	74	39	19	16	18	29	29
195	75	2	18	16	18	29	27
196	75	25	18	16	17	29	27

-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	GAS GN	GAS GN	POWER
CSE	CSE	CSE	CSE	CSE	TURB	TURB	TURB	TURB
G.4	STG.4	STG.5	STG.5	STG.5	CASE	CASE	CASE	CASE
.30	6.00	3.00	4.30	6.00	4.00	8.00	12.00	4.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
54	59	81	77	96	316	334	320	439
55	58	79	76	96	313	328	315	432
55	60	80	76	96	305	325	310	426
51	54	78	74	92	282	306	292	419
53	55	78	75	89	275	300	286	407
54	55	75	70	89	276	301	285	403
53	55	73	67	88	274	301	285	398
54	56	75	69	90	275	299	284	394
51	56	74	68	89	276	300	284	396
53	58	75	70	90	278	296	285	396
54	56	75	71	90	275	298	284	394
53	57	74	68	90	276	299	287	393
54	58	75	71	91	277	297	286	393
53	58	76	71	92	277	298	286	392
55	58	76	73	91	276	297	284	391
54	57	75	71	92	278	299	284	391
54	57	75	71	91	278	301	286	390
63	68	81	76	99	321	333	318	406
65	67	87	83	106	330	343	328	420
66	69	92	88	108	332	344	329	429
66	70	93	88	109	331	343	329	435
67	70	93	89	109	332	344	330	440
67	71	95	92	109	329	342	329	438
64	68	94	90	107	316	332	320	435
44	44	88	84	94	281	304	290	415
25	21	62	61	63	269	298	282	370
19	20	46	44	45	258	283	274	330
18	17	36	34	36	242	268	267	296
11	10	31	27	29	204	229	234	270
14	15	24	21	22	167	190	187	260
23	26	21	19	24	174	191	186	258
45	50	37	33	54	245	254	249	278
41	45	54	50	70	240	255	247	294
40	45	58	53	74	234	249	240	296
39	44	58	53	74	229	245	236	295
39	44	58	55	73	229	243	233	292
40	44	60	55	72	229	242	232	291
40	44	58	55	71	229	242	233	290
38	44	58	54	72	229	242	233	291
40	44	57	54	72	228	242	233	291
39	44	59	54	73	229	242	232	290
34	36	58	56	69	225	237	229	291
19	17	48	50	48	223	237	225	283
16	16	37	40	36	220	230	220	268
16	18	32	34	30	217	226	218	257
16	17	30	31	29	214	222	215	247
16	17	30	29	28	210	218	211	239
16	18	29	29	26	207	215	209	232
16	19	29	27	26	204	210	206	225
16	17	29	27	26	201	208	203	220

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8- ENG COMP C STG 6. DEG
197	75	47	17	16	17	28	27	2
198	76	10	17	16	17	27	26	2
199	*	*	*	*	*	*	*	

8-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
NG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
MPRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	GAS GN	GAS GN	POWER
CSF	CSE	CSE	CSE	CSE	TURB	TURB	TURB	TURB
TG.4	STG.4	STG.5	STG.5	STG.5	CASE	CASE	CASE	CASE
4.30	6.00	3.00	4.30	6.00	4.00	8.00	12.00	4.00
EG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
16	17	28	27	25	199	204	200	215
16	17	27	26	25	196	202	198	211
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
19 MARCH 1970
RUN NO. 4 +0 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
2	*	*	-16	-13	-16
3	1	27	-15	-13	-16
4	1	51	-16	-14	-16
5	2	15	-16	-14	-16
6	2	39	-15	-13	-16
7	3	2	-16	-14	-16
8	3	26	-16	-14	-16
9	3	50	-15	-13	-16
10	4	14	-15	-14	-16
11	4	37	-16	-13	-16
12	5	1	-15	-14	-16
13	5	25	-16	-14	-16
14	5	49	-16	-13	-16
15	6	13	-15	-14	-16
16	6	36	-16	-14	-16
17	7	0	-16	-13	-16
18	7	24	-16	-14	-16
19	7	48	-16	-13	-16
20	*	*	-16	-14	-16
21	8	35	-16	-13	-17
22	8	59	-16	-14	-16
23	9	22	-16	-14	-17
24	*	*	-16	-14	-16
25	10	9	-16	-14	-17
26	10	33	-16	-14	-17
27	*	57	-15	-14	-16
28	11	20	-16	-14	-16
29	11	43	-16	-14	-17
30	12	7	-15	-14	-16
31	12	31	-16	-14	-17
32	12	55	-16	-14	-17
33	13	18	-16	-14	-16
34	13	42	-15	-14	-16
35	14	5	-16	-14	-16
36	14	28	-16	-14	-16
37	14	51	-16	-14	-16
38	15	14	-16	-14	-16
39	15	37	-16	-14	-16
40	16	0	-16	-14	-17
41	*	*	-16	-14	-16
42	16	47	-16	-14	-17
43	*	*	-16	-14	-16
44	17	33	-16	-15	-17
45	17	56	-16	-14	-16
46	18	19	-16	-14	-17

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
47	18	43	-16	-14	-17
48	19	6	-16	-14	-17
49	19	29	-16	-15	-17
50	19	53	-16	-15	-16
51	20	16	-16	-14	-17
52	20	39	-16	-14	-16
53	21	2	-16	-14	-16
54	21	25	-16	-14	-16
55	21	48	-16	-15	-16
56	22	11	-16	-14	-16
57	22	35	-13	-12	-16
58	22	57	-14	-12	-16
59	23	21	-13	-13	-16
60	23	45	-12	-12	-16
61	24	8	-13	-12	-16
62	24	31	-12	-12	-15
63	24	53	-12	-12	-15
64	25	16	-12	-11	-14
65	25	40	-12	-12	-15
66	26	2	-12	-11	-14
67	26	26	-12	-12	-16
68	26	49	-12	-12	-15
69	27	12	-11	-11	-14
70	27	35	-12	-12	-15
71	26	59	-10	-11	-14
72	28	21	-11	-11	-15
73	28	44	-12	-11	-15
74	29	7	-11	-11	-14
75	29	29	-11	-12	-14
76	29	52	-12	-12	-14
77	30	15	-12	-11	-14
78	30	38	-13	-12	-14
79	31	0	-12	-12	-14
80	*	20	-12	-11	-14
81	31	45	-12	-11	-14
82	32	8	-12	-12	-13
83	32	31	-13	-11	-14
84	32	54	-12	-10	-13
85	33	16	-12	-11	-13
86	33	39	-11	-9	-13
87	34	2	10	18	-12
88	34	25	44	50	-11
89	34	48	78	85	-9
90	35	10	112	117	-6
91	35	33	138	143	-3
92	35	56	159	163	-2
93	36	19	175	180	0
94	36	42	186	195	3
95	37	5	204	215	7
96	37	28	224	237	11

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
97	37	51	233	252	16
98	38	14	234	257	19
99	38	37	233	261	23
100	39	0	230	262	27
101	39	23	228	265	30
102	39	46	228	265	33
103	40	9	228	266	34
104	40	32	228	268	38
105	40	55	227	269	41
106	41	18	233	272	45
107	41	42	232	267	47
108	42	5	228	263	48
109	42	28	227	262	48
110	42	51	226	261	51
111	43	14	226	261	50
112	43	37	226	262	51
113	44	0	227	263	52
114	44	23	230	268	53
115	44	46	232	271	54
116	45	10	235	274	54
117	45	33	235	274	55
118	45	56	236	275	56
119	46	20	237	277	55
120	46	43	238	278	58
121	47	6	238	280	57
122	47	30	238	281	59
123	47	53	238	279	59
124	48	16	239	281	59
125	48	39	238	279	60
126	49	3	239	279	60
127	49	26	252	294	59
128	49	49	267	310	60
129	50	11	278	323	61
130	50	34	286	331	61
131	50	57	288	340	61
132	51	20	291	343	63
133	51	43	291	345	64
134	52	6	303	355	67
135	52	28	323	374	69
136	52	51	344	393	72
137	53	14	361	408	76
138	53	36	374	420	79
139	53	59	380	424	81
140	54	21	384	431	84
141	54	44	383	434	85
142	55	6	383	437	89
143	55	29	384	438	90
144	55	52	385	442	94
145	56	15	387	443	95
146	56	37	384	445	96

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
147	57	0	379	440	97
148	57	22	371	435	97
149	57	45	361	429	96
150	58	7	348	417	94
151	58	30	334	402	94
152	58	53	326	391	93
153	59	15	323	384	89
154	59	38	318	380	88
155	60	0	317	376	87
156	60	23	315	374	85
157	60	45	315	373	84
158	61	7	314	373	82
159	61	29	315	373	82
160	61	52	313	373	82
161	62	14	313	372	82
162	62	36	314	371	82
163	62	58	315	370	83
164	63	21	331	383	82
165	63	43	349	398	85
166	64	6	361	411	87
167	64	29	369	419	87
168	64	51	374	424	89
169	65	14	376	431	91
170	65	37	373	433	91
171	65	59	354	418	90
172	66	22	325	384	89
173	66	45	296	352	89
174	67	8	273	324	88
175	67	30	253	305	86
176	67	53	244	295	84
177	68	15	240	291	80
178	68	38	249	297	77
179	69	0	260	301	76
180	69	23	263	302	74
181	69	45	261	301	73
182	70	8	260	299	73
183	70	30	258	296	72
184	70	53	257	295	72
185	71	15	256	294	72
186	71	38	255	292	72
187	72	1	255	293	71
188	72	23	257	292	73
189	72	46	250	283	73
190	73	8	239	267	74
191	73	31	231	256	78
192	73	54	224	247	80
193	74	16	218	240	81
194	74	39	213	234	82
195	75	2	209	229	83
196	75	25	204	224	84

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
197	75	47	200	221	83
198	76	10	196	217	84
199	*	*	*	*	*

RUN 6, -25°F, 25 March 1970
Soak time 26 hours

Test Synopsis:

This run was chosen to present -25°F test data.

Although considered marginal at this temperature, the single standard production APP start accumulator was used and was able to start the APP.

Pertinent information.

Engine No. 1 had -13 fuel control and no EAPS.

Engine No. 2 had -12 fuel control and EAPS.

Test parameters not connected or not presented.

1-4-Free air temperature (not connected).

1-6-Engine No. 1 fuel flow (not connected).

1-11-Engine No. 2 fuel flow (not connected).

2-18-Main wheel brake return hydraulic pressure (not connected).

2-19 through 2-26-Heater output airflow differential pressure (not presented).

Defective test parameters not presented (unless indicated otherwise)

3-22-Cargo area forward waist level air temperature (erratic, but average temperature shown is good; data are presented).

4-13-Second stage hydraulic pump outlet temperature.

7-12-Engine No. 1 compressor case temperature, 3rd stage, 3 o'clock position.

7-13-Engine No. 1 compressor case temperature, 3rd stage, 4:30 o'clock position.

7-18-Engine No. 1 compressor case temperature, 3rd stage, 9 o'clock position.

7-19-Engine No. 1 compressor case temperature, 5th stage, 3 o'clock position.

7-20-Engine No. 1 compressor case temperature, 5th stage, 4:30 o'clock position.

8-18-Engine No. 2 compressor case temperature, 5th stage, 9 o'clock position.

RUN 6 -25°F 25 MAR 70

Event Sheet:

CTR	Event
8	APP - start
10	Comm/nav radios and radar altimeter - ON
10	Heater - failed to start - started later
18	All doors and ramp - closed
30	AFCS servos - checked
30	Stick trim - checked
32	EAPS (No. 2) - open
32	Windshield anti-ice - ON

CTR	Event
33	Rotor brake - ON
36-39	Engine starters - check operation
44	Engine speed trim - checked
45	AFCS - checked
47	Second stage interlock - checked
54	Heater - start
63	Engine No. 1 - start
	NOTE: Rotor brake did not hold, rotors turned. No starter dropout.
71	Rotor brake - OFF
71-74	Flight control and first stage interlock - checked
75	Engine No. 1 throttle - forward
79	APP - OFF
83	Engine No. 2 - start
91	Flat pitch and engine overspeed protection system - checked
94	Minimum governing microswitches - checked
94-101	Engine No. 1 anti-ice - ON, then OFF
96	Generator dropout and pickup - checked
100	Crossfeed - checked
105	EAPS (No. 2) - closed
113-116	Operate both engines at 50-percent torque
117-125	Operate both engines at 80-percent torque
119	EAPS (No. 2) - open
126-132	Operate both engines at 100-percent torque
132	Heater rheostat changed from 9 o'clock position (increase heat)
133-144	Operate both engines at 80-percent torque
140	Heater rheostat changed from 12 o'clock to 3 o'clock position (increase heat)
146-150	Operate both engines at 50-percent torque
151	Collective - set to flat pitch
152-155	Operate both engines at flight idle (17-percent torque)
157-159	Operate No. 1 engine at ground idle
160-163	Operate No. 2 engine at ground idle
165	Heater - OFF
165	APP - start
168	Comm/nav equipment - OFF
169	Windshield anti-ice - OFF
172	Throttles - shutoff
173	Rotor brake - NORMAL

CTR	Event
176	AFCS - OFF
177-182	Second stage hydraulic temperature increasing due to loss of cooling from rotor
177-182	Engine starters - check operations
182	End test (APP still running)

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CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
1	0	0	0	*	0	-15	0
2	0	19	0	*	0	-16	0
3	0	39	0	*	0	-17	0
4	*	*	0	*	0	-16	0
5	1	19	0	*	0	-17	0
6	1	39	0	*	0	-19	0
7	1	59	0	*	0	-19	0
8	2	18	0	*	0	-19	0
9	2	38	0	*	0	-19	0
10	2	58	0	*	0	-19	0
11	*	*	*	*	0	-16	0
12	3	38	0	*	0	-19	0
13	3	58	0	*	0	-17	0
14	4	18	0	*	0	-19	0
15	4	37	0	*	0	-17	0
16	4	57	0	*	0	-17	0
17	5	17	0	*	0	-19	0
18	*	*	*	*	0	-19	*
19	5	57	0	*	0	-17	0
20	6	16	0	*	0	-16	0
21	6	36	0	*	0	-19	0
22	6	56	0	*	0	-16	0
23	7	16	0	*	0	-19	0
24	7	36	0	*	0	-17	0
25	*	*	0	*	0	-19	0
26	8	15	0	*	0	-16	0
27	8	35	0	*	0	-17	0
28	8	55	0	*	0	-19	0
29	9	14	0	*	0	-19	0
30	9	34	0	*	0	-19	0
31	9	54	0	*	0	-15	0
32	10	13	0	*	0	-16	0
33	10	33	*	*	0	-16	0
34	10	53	0	*	*	-17	0
35	11	12	0	*	0	-19	0
36	11	32	19	*	0	*	*
37	11	52	12	*	0	-19	23
38	12	12	0	*	0	-19	24
39	12	31	0	*	0	-19	17
40	12	51	0	*	0	-16	0
41	13	11	0	*	0	-16	0
42	13	30	22	*	0	-16	0
43	13	50	23	*	0	-17	0
44	14	10	5	*	*	-12	0
45	14	29	0	*	0	-19	0

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CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

230

1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL
*	0	-15	0	*	1	-16	0	*
*	0	-16	0	*	0	-18	0	0
*	0	-17	0	*	1	-18	0	0
*	0	-16	0	*	1	-18	0	0
*	0	-17	0	*	1	-15	0	0
*	0	-19	0	*	1	-15	0	0
*	0	-19	0	*	1	-18	0	0
*	0	-19	0	*	1	-16	0	0
*	0	-19	0	*	2	-16	0	0
*	0	-19	0	*	1	-14	0	0
*	0	-16	0	*	2	-18	0	0
*	0	-19	0	*	2	-16	0	0
*	0	-17	0	*	1	-18	0	0
*	0	-19	0	*	0	-16	0	0
*	0	-17	0	*	0	-18	0	0
*	0	-17	0	*	0	-18	0	0
*	0	-19	0	*	0	-18	0	0
*	0	-19	*	*	0	-16	0	0
*	0	-17	0	*	1	-15	0	0
*	0	-16	0	*	0	-15	0	0
*	0	-19	0	*	2	-18	0	0
*	0	-16	0	*	1	-18	0	0
*	0	-19	0	*	1	-18	0	0
*	0	-17	0	*	0	-18	0	*
*	0	-19	0	*	0	-16	0	0
*	0	-16	0	*	0	-18	0	0
*	0	-17	0	*	1	-16	0	0
*	0	-19	0	*	0	-16	0	0
*	0	-19	0	*	1	-16	0	*
*	0	-19	0	*	0	-18	0	0
*	0	-15	0	*	1	-18	0	0
*	0	-16	0	*	1	-18	*	0
*	0	-16	0	*	0	-18	0	0
*	*	-17	0	*	1	-16	2	0
*	0	-19	0	*	0	-15	0	0
*	0	*	*	*	1	-18	0	0
*	0	-19	23	*	0	-18	0	0
*	0	-19	24	*	2	-16	0	*
*	0	-19	17	*	0	-18	0	0
*	0	-16	0	*	1	-18	0	0
*	0	-16	0	*	0	-18	0	*
*	0	-16	0	*	1	-18	0	0
*	0	-17	0	*	1	-16	0	0
*	*	-12	0	*	0	-18	0	54
*	0	-19	0	*	0	-16	0	0

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1 EN TOR PER
46	14	49	0	*	0	-19	0	
47	15	9	0	*	*	*	*	
48	15	28	0	*	0	-17	0	
49	15	48	0	*	0	-19	0	
50	16	8	0	*	0	-19	0	
51	16	27	0	*	0	-17	*	
52	16	47	0	*	0	-13	0	
53	17	7	0	*	0	-19	0	
54	17	31	0	*	0	-16	0	
55	17	51	0	*	0	-19	0	
56	18	11	0	*	0	-16	0	
57	18	30	0	*	0	-19	0	
58	18	50	0	*	0	-17	0	
59	19	10	0	*	0	-19	0	
60	19	30	0	*	0	-19	0	
61	19	49	*	*	0	-17	*	
62	20	9	0	*	0	-17	0	
63	20	29	*	*	0	-19	0	
64	20	48	17	*	0	-17	0	
65	21	8	55	28	7	230	0	
66	21	28	59	9	17	273	0	
67	21	48	58	9	21	294	0	
68	22	7	59	8	23	305	0	
69	22	27	59	8	24	310	*	
70	22	46	59	8	24	311	0	
71	23	6	58	7	26	314	0	
72	23	26	59	7	26	312	0	
73	23	45	60	7	25	308	0	
74	24	5	58	8	25	311	0	
75	24	25	58	7	27	307	0	
76	24	44	74	36	68	310	0	
77	25	4	76	33	89	343	0	
78	25	24	78	42	94	364	0	
79	25	43	78	40	101	383	0	
80	26	3	78	39	102	383	0	
81	26	23	79	38	103	382	0	
82	26	42	78	38	*	380	0	
83	27	2	79	38	102	380	0	
84	27	21	78	39	102	378	3	
85	27	41	78	39	103	381	26	
86	28	1	78	39	102	383	60	
87	28	20	78	*	*	*	*	
88	28	40	78	37	103	376	60	
89	29	0	78	37	103	376	60	
90	29	19	78	37	102	375	70	
91	29	39	75	22	104	352	76	
92	29	59	71	2	100	266	76	
93	30	18	78	33	99	344	69	
94	30	38	69	1	*	273	78	
95	30	58	74	9	102	283	69	

1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL
*	0	-19	0	*	0	-18	0	0
*	*	*	*	*	1	-16	0	0
*	0	-17	0	*	1	-15	0	0
*	0	-19	0	*	1	-18	0	0
*	0	-19	0	*	0	-15	0	0
*	0	-17	*	*	0	*	*	*
*	0	-13	0	*	1	-19	0	0
*	0	-19	0	*	1	-15	0	0
*	0	-16	0	*	0	-18	0	2
*	0	-19	0	*	0	-18	0	2
*	0	-16	0	*	0	-16	0	2
*	0	-19	0	*	1	-12	0	2
*	0	-17	0	*	1	-16	0	1
*	0	-19	0	*	0	-18	*	2
*	0	-19	0	*	0	-18	0	2
*	0	-17	*	*	0	-18	0	2
*	0	-17	0	*	J	-16	0	2
*	0	-19	0	*	0	-18	0	1
*	0	-17	0	*	0	-18	0	0
28	7	230	0	*	0	-16	4	21
9	17	273	0	*	0	-19	17	21
9	21	294	0	*	0	-18	21	22
8	23	305	0	*	0	-12	22	21
8	24	310	*	*	0	-18	25	22
8	24	311	0	*	0	-19	25	22
7	26	314	0	*	0	-18	25	21
7	26	312	0	*	1	-20	27	21
7	25	308	0	*	0	-18	26	21
8	25	311	0	*	0	-18	26	21
7	27	307	0	*	0	-18	27	22
36	68	310	0	*	0	-18	64	38
33	69	343	0	*	0	-18	90	44
42	94	364	0	*	1	-15	94	81
40	101	383	0	*	1	-18	103	100
39	102	383	0	*	0	-18	105	100
38	103	382	0	*	1	-18	102	100
38	*	380	0	*	1	-15	103	100
38	102	380	0	*	1	-16	103	*
39	102	378	3	*	J	-18	103	100
39	103	381	26	*	0	-16	103	100
39	102	383	60	1	53	250	103	100
*	*	*	*	1	60	308	103	100
37	103	376	60	0	59	298	103	100
37	103	376	60	0	61	303	103	100
37	102	375	70	0	95	281	*	100
22	104	352	76	16	106	300	105	100
2	100	266	76	23	102	345	100	84
33	99	344	69	*	94	271	98	83
1	*	273	78	33	102	358	100	97
9	102	283	69	26	103	355	101	98

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	E TO PE
96	31	17	85	16	102	302	76	
97	31	37	75	15	96	316	74	
98	31	57	76	19	96	328	74	
99	32	16	76	19	99	327	79	
100	32	36	76	20	100	330	75	
101	32	56	76	19	*	324	74	
102	33	15	76	20	100	322	76	
103	33	35	76	19	100	324	76	
104	33	55	76	20	100	321	76	
105	*	*	*	19	100	322	69	
106	34	34	76	20	99	321	75	
107	34	54	79	20	102	321	75	
108	35	13	76	20	100	322	75	
109	35	33	76	20	100	320	75	
110	35	53	76	*	*	*	*	
111	36	12	75	20	*	321	75	
112	36	32	77	20	*	321	76	
113	36	52	81	55	99	408	74	
114	37	11	80	48	100	399	80	
115	37	31	79	47	99	*	*	
116	37	51	80	48	99	395	81	
117	38	10	84	81	99	466	85	
118	38	30	84	79	100	475	85	
119	38	50	84	79	98	474	85	
120	39	9	85	*	98	*	85	
121	39	29	84	77	102	474	89	
122	39	49	84	77	100	473	84	
123	40	8	83	77	100	474	84	
124	40	28	84	78	100	474	86	
125	*	*	84	78	100	474	85	
126	41	7	86	99	99	522	91	
127	41	27	88	98	101	523	87	
128	41	47	86	99	100	527	87	
129	42	6	87	98	100	523	90	
130	42	26	86	97	99	524	87	
131	42	46	86	99	100	525	87	
132	43	5	86	97	100	527	87	
133	43	25	84	78	100	499	85	
134	43	45	86	79	100	489	85	
135	44	4	85	79	100	489	85	
136	44	24	85	*	*	484	91	
137	44	44	87	80	102	486	87	
138	45	4	84	79	100	490	86	
139	45	23	85	79	101	486	86	
140	45	43	84	79	99	491	85	
141	46	3	85	80	99	490	85	
142	46	22	85	80	100	490	86	
143	46	42	85	79	101	490	88	
144	47	2	84	80	100	493	85	
145	47	22	84	79	100	489	85	

1-07 G.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL
16	102	302	76	*	*	*	101	86
15	96	316	74	11	96	286	94	70
19	96	322	74	15	96	299	96	78
19	99	327	79	16	101	305	100	85
20	100	330	75	16	102	308	102	85
1[illegible]	*	324	74	16	102	302	100	85
2[illegible]	100	322	76	16	101	300	100	85
19	100	324	76	16	101	302	100	85
20	100	321	76	15	101	299	*	85
[illegible]	100	322	69	15	102	302	102	85
20	99	321	75	15	101	302	100	85
20	102	321	75	15	103	300	102	85
20	100	322	75	15	102	302	100	86
20	100	320	75	15	100	308	100	85
*	*	*	*	15	102	305	101	85
20	*	321	75	15	101	303	100	85
20	*	321	76	15	102	308	101	86
55	99	408	74	45	102	379	100	83
45	100	399	80	49	101	403	102	81
47	99	*	*	48	101	402	100	81
48	99	395	81	50	101	406	100	81
81	99	466	85	80	101	475	100	84
79	100	475	85	78	102	473	100	84
79	98	474	85	78	101	477	100	84
*	98	*	85	79	101	477	100	84
77	102	474	85	78	101	484	100	84
77	100	472	84	78	103	473	102	84
77	100	474	84	78	101	476	101	84
78	103	474	85	79	101	477	102	84
78	100	479	85	79	101	476	100	84
99	99	522	91	98	101	516	100	84
98	100	523	87	98	103	519	100	83
99	100	527	87	99	101	524	100	83
98	100	522	90	98	101	521	100	82
97	99	524	87	97	103	522	99	83
99	100	526	87	99	100	525	99	83
97	100	527	87	98	101	531	100	83
78	100	499	85	83	102	502	100	83
79	100	485	85	76	102	484	100	83
79	100	486	85	79	102	481	100	83
*	*	484	91	80	103	486	100	83
80	[illegible]	486	87	79	102	489	101	83
79	100	490	86	79	102	486	100	83
79	101	486	86	80	102	485	100	82
79	99	491	85	78	102	491	100	82
80	99	490	85	80	101	492	100	82
80	100	490	85	*	101	490	100	83
79	100	490	88	81	101	487	100	82
80	100	493	85	80	101	492	100	82
74	100	489	85	72	102	486	100	82

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
146	47	42	80	50	100	423	82
147	48	2	80	47	99	411	80
148	48	23	82	50	100	425	80
149	48	42	81	51	*	422	85
150	49	3	81	51	99	423	82
151	49	23	75	14	102	325	77
152	49	43	76	16	99	324	76
153	50	3	79	16	100	320	77
154	50	22	76	17	99	322	74
155	50	42	79	17	100	324	74
156	*	*	75	12	100	319	76
157	51	22	61	0	67	275	79
158	51	41	59	0	61	306	78
159	52	1	60	0	61	307	78
160	52	21	77	32	97	336	*
161	52	41	79	32	98	371	62
162	53	1	79	32	99	371	62
163	53	21	78	32	97	371	62
164	53	42	78	31	98	371	72
165	54	3	75	16	99	324	76
166	54	23	85	15	99	320	77
167	54	45	75	15	100	319	76
168	55	5	79	15	102	315	76
169	55	24	75	15	99	319	76
170	55	44	75	15	98	315	76
171	56	5	85	15	98	317	76
172	56	25	27	*	28	258	29
173	56	45	6	*	0	162	7
174	57	6	1	*	0	120	1
175	57	28	0	*	0	114	0
176	57	48	0	*	0	119	0
177	58	7	26	*	0	108	0
178	58	28	17	*	0	57	0
179	58	50	5	*	0	33	19
180	59	10	0	*	0	28	27
181	59	30	0	*	0	31	8
182	59	51	0	*	0	39	2

1-07 NG.1 RQUE RCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL
50	100	423	82	50	101	423	100	80
47	99	411	80	47	101	416	100	80
58	100	425	80	40	102	411	100	86
51	*	422	85	49	101	421	100	81
51	99	423	82	49	101	416	*	81
14	102	325	77	18	101	333	99	81
16	99	324	76	15	101	315	100	84
16	100	320	77	15	101	313	100	84
17	99	322	74	15	101	314	100	84
17	100	324	74	15	101	314	100	84
12	100	319	76	19	101	317	100	82
0	67	275	79	30	99	353	98	24
0	61	306	78	31	99	359	98	24
0	61	307	78	30	103	358	99	24
32	97	336	*	*	94	304	98	83
32	98	371	62	*	66	303	98	82
32	99	371	62	*	66	303	99	82
32	97	371	62	*	66	304	99	83
31	98	371	72	11	98	309	99	83
16	99	324	76	16	100	320	100	84
15	99	320	77	17	101	320	100	83
15	100	319	76	39	*	*	100	83
15	102	315	76	16	101	315	100	83
15	99	319	76	16	101	320	99	83
15	98	315	76	17	101	317	100	83
15	98	317	76	16	101	318	100	84
*	28	258	29	*	31	256	60	1
*	0	162	7	*	1	153	0	1
*	0	120	1	*	1	115	0	1
*	0	114	0	*	0	108	0	1
*	0	119	0	*	0	115	0	1
*	0	108	0	*	0	125	0	1
*	0	57	0	*	1	135	0	0
*	0	33	19	*	0	142	0	0
*	0	28	27	*	0	68	*	0
*	0	31	0	*	*	32	*	0
*	0	39	2	*	1	20	0	0

HH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1 ACC G PR P
1	0	0	*	*	*	*	2	
2	0	19	*	0	0	0	1	
3	0	39	*	2	0	1	2	
4	*	*	*	0	0	0	2	
5	1	19	*	1	0	1	1	
6	1	39	*	1	0	1	0	
7	1	59	*	1	0	1	0	
8	2	18	*	1	0	*	*	
9	2	38	*	0	0	1	1	
10	2	58	*	0	0	0	1	
11	*	*	*	1	0	1	1	
12	3	38	*	1	0	1	0	
13	3	58	*	1	0	0	0	
14	4	18	*	2	0	0	1	
15	4	37	*	0	0	0	*	
16	4	57	*	1	0	0	0	
17	5	17	*	1	0	1	0	
18	*	*	*	0	0	1	0	
19	5	97	*	1	0	1	0	
20	6	16	*	0	0	0	1	
21	6	36	*	0	0	1	0	
22	6	56	*	0	0	0	*	
23	7	16	*	0	0	0	0	
24	7	36	*	1	0	0	1	
25	*	*	*	0	0	1	0	
26	8	15	*	1	0	0	1	
27	8	35	*	0	0	0	1	
28	8	55	*	0	0	0	2	
29	9	14	*	*	*	*	1	
30	9	34	*	0	0	0	1	
31	9	54	*	0	0	1	1	
32	10	13	*	0	0	0	1	
33	10	33	*	1	0	1	0	
34	10	53	*	0	0	1	2	
35	11	12	*	2	0	0	0	
36	11	32	*	120	18	*	1	
37	11	52	*	73	13	*	0	
38	12	12	*	5	1	*	0	
39	12	31	*	1	1	*	2	
40	12	51	*	0	1	*	*	
41	13	11	*	3	12	*	1	
42	13	30	*	120	22	*	0	
43	13	50	*	119	20	*	2	
44	14	10	68	24	6	*	0	
45	14	29	*	3	1	*	0	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

1-19 ENG.1 OIL PUMP INLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
*	*	*	2	2	0	1	0
0	0	0	1	0	0	1	0
2	0	1	2	1	0	2	0
0	0	0	2	0	1	0	0
1	0	1	1	1	0	1	0
1	0	1	0	1	0	0	0
1	0	1	0	0	0	2	0
1	0	*	*	*	*	*	0
0	0	1	1	23	0	1	0
0	0	0	1	24	1	1	0
1	0	1	1	24	1	1	0
1	0	1	0	26	0	0	0
1	0	0	0	26	1	1	0
2	0	0	1	28	0	1	0
0	0	0	*	*	*	*	*
1	0	0	0	28	1	1	0
1	0	1	0	27	0	1	0
0	0	1	0	28	0	1	0
1	0	1	0	28	0	1	0
0	0	0	1	30	1	2	0
0	0	1	0	30	0	1	0
0	0	0	*	*	*	*	*
0	0	0	0	29	0	0	0
1	0	0	1	28	1	1	0
0	0	1	0	27	1	1	0
1	0	0	1	28	0	0	0
0	0	0	1	28	0	0	0
0	0	0	2	29	0	0	0
*	*	*	1	29	0	1	0
0	0	0	1	29	0	1	0
0	0	1	1	29	0	1	0
0	0	0	1	29	0	2	0
1	0	1	0	30	0	1	0
0	0	1	2	25	0	0	0
2	0	0	0	29	0	1	0
20	18	*	1	29	0	1	*
73	15	*	0	29	0	1	*
5	1	*	0	29	0	1	*
1	1	*	2	31	1	1	*
0	1	*	*	*	*	*	*
4	12	*	1	29	0	1	*
20	22	*	0	30	0	2	*
19	20	*	2	30	1	2	*
74	6	*	0	26	0	1	*
3	1	*	0	27	0	0	*

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1 ACC G PR P
46	14	49	*	0	1	*	0	
47	15	9	*	0	1	*	1	
48	15	28	*	1	1	*	0	
49	15	48	*	0	1	*	1	
50	16	8	*	0	1	*	0	
51	16	27	*	3	1	*	0	
52	16	47	*	1	1	*	0	
53	17	7	*	2	1	*	1	
54	17	31	*	1	1	*	1	
55	17	51	*	0	1	*	1	
56	18	11	*	1	1	*	1	
57	18	30	*	0	1	*	0	
58	18	50	*	1	1	*	1	
59	19	10	*	1	1	*	1	
60	19	30	*	0	1	0	0	
61	19	49	*	0	1	0	0	
62	20	9	*	1	1	0	0	
63	20	29	*	0	1	0	0	
64	20	48	*	115	14	2	0	
65	21	8	*	122	21	14	3	
66	21	28	*	116	16	14	23	
67	21	48	*	120	14	17	25	
68	22	7	*	115	22	14	22	
69	22	27	*	91	20	16	22	
70	22	46	*	67	20	14	20	
71	23	6	*	60	17	16	20	
72	23	26	*	52	18	18	18	
73	23	45	*	49	14	14	18	
74	24	5	*	44	15	22	19	
75	24	25	*	42	14	14	18	
76	24	44	*	59	21	20	59	
77	25	4	*	57	20	21	63	
78	25	24	*	51	20	22	67	
79	25	43	*	49	20	23	*	
80	26	3	*	47	20	22	71	
81	26	23	*	43	23	24	67	
82	26	42	*	43	21	20	65	
83	27	2	*	*	23	24	60	
84	27	21	*	40	25	21	65	
85	27	41	17	39	21	23	66	
86	28	1	17	40	19	23	68	
87	28	20	18	40	19	21	66	
88	28	40	18	39	18	23	66	
89	29	0	18	39	17	21	69	
90	29	19	50	38	19	21	68	
91	29	39	93	37	17	22	65	
92	29	59	80	35	15	24	65	
93	30	18	48	39	19	21	66	
94	30	38	86	32	15	19	64	
95	30	58	86	36	16	22	65	

1-19 ENG.1 OIL PUMP TLET RESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
0	1	*	0	26	0	1	*
0	1	*	1	30	0	1	*
1	1	*	0	29	0	1	*
0	1	*	1	27	0	0	*
0	1	*	0	29	*	2	*
3	1	*	0	27	1	0	*
1	1	*	0	29	0	0	*
2	1	*	1	29	0	0	*
1	1	*	1	28	0	1	*
0	1	*	1	29	0	*	*
1	1	*	1	26	0	1	*
0	1	*	0	27	0	0	*
1	1	*	1	26	0	1	*
1	1	*	1	28	0	1	*
0	1	0	0	27	0	1	0
0	1	0	0	25	0	1	0
1	1	0	0	27	1	1	0
0	1	0	0	26	0	1	0
115	14	2	0	27	0	1	1
122	21	14	3	27	0	23	14
116	16	14	23	27	27	24	14
120	14	17	25	27	27	25	14
115	22	14	22	26	29	25	14
91	20	16	22	27	29	24	13
67	20	14	20	26	30	24	13
60	17	16	20	26	30	25	14
52	18	18	18	26	30	24	14
49	14	14	18	29	31	24	14
44	15	22	19	26	30	24	14
42	14	14	18	26	32	24	*
59	21	20	59	26	50	84	19
57	20	21	63	27	67	95	19
51	20	22	67	27	71	108	19
49	20	23	*	*	*	*	19
47	20	22	71	26	71	110	18
43	23	24	67	26	72	110	19
43	21	20	65	27	71	110	18
*	23	24	60	26	71	108	19
40	25	21	65	26	72	110	19
39	21	23	66	25	72	113	19
40	19	23	68	25	72	109	19
40	19	21	66	26	75	109	19
39	18	23	66	26	74	110	19
39	17	21	69	25	76	108	19
38	19	21	68	25	76	107	19
37	17	22	65	26	77	91	19
35	15	24	65	27	75	75	*
39	19	21	66	26	74	102	19
32	15	19	64	26	74	51	17
36	16	22	65	25	75	72	19

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	AC P
96	31	17	81	36	17	21	65	
97	31	37	66	36	21	21	65	
98	31	57	74	38	18	22	66	
99	32	16	81	37	20	24	66	
100	32	36	81	37	18	23	67	
101	32	56	81	39	16	20	65	
102	33	15	81	37	15	22	69	
103	33	35	81	38	17	20	66	
104	33	55	80	37	16	24	66	
105	*	*	80	37	16	21	64	
106	34	34	81	37	17	24	68	
107	34	54	81	38	17	18	66	
108	35	13	81	37	15	24	68	
109	35	33	81	38	20	22	66	
110	35	53	81	36	17	21	65	
111	36	12	80	37	16	24	66	
112	36	32	81	37	15	21	68	
113	36	52	81	42	18	25	66	
114	37	11	81	41	17	23	66	
115	37	31	81	39	20	24	63	
116	37	51	81	40	19	24	66	
117	38	10	81	44	17	23	65	
118	38	30	82	44	17	22	64	
119	38	50	81	44	20	23	68	
120	39	9	82	44	18	23	66	
121	39	29	81	44	17	23	66	
122	39	49	81	45	17	24	64	
123	40	8	81	44	19	24	66	
124	40	28	81	44	18	23	66	
125	*	*	82	44	18	24	66	
126	41	7	82	46	18	24	65	
127	41	27	81	47	20	24	65	
128	41	47	81	46	19	25	71	
129	42	6	81	46	21	25	65	
130	42	26	82	46	18	24	63	
131	42	46	*	*	*	*	*	
132	43	5	81	46	21	22	60	
133	43	25	81	43	18	23	65	
134	43	45	80	45	20	28	65	
135	44	4	80	45	18	24	63	
136	44	24	80	45	16	23	65	
137	44	44	80	44	18	24	66	
138	45	4	80	45	15	24	60	
139	45	23	80	45	18	24	66	
140	45	43	80	45	20	23	57	
141	46	3	80	45	17	28	65	
142	46	22	80	45	20	24	65	
143	46	42	80	45	18	30	60	
144	47	2	80	46	20	23	64	
145	47	22	80	43	16	24	65	

1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PRESS PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
36	17	21	65	25	75	82	19
36	21	21	65	26	71	73	19
38	18	22	66	27	73	82	19
37	20	24	66	25	75	83	20
37	18	23	67	23	75	85	19
39	16	20	65	*	*	*	*
37	15	22	69	29	75	85	19
3[illegible]	17	20	66	24	75	86	20
37	16	24	66	24	74	87	19
37	16	21	64	26	75	86	19
37	17	24	68	26	76	87	19
38	17	18	66	26	75	87	19
37	15	24	68	27	74	87	19
38	20	22	66	26	75	87	19
36	17	21	65	27	74	89	19
37	16	24	66	23	75	87	19
37	15	21	68	29	73	99	19
42	18	25	66	25	74	124	19
41	17	23	66	27	74	117	19
39	20	24	63	26	73	116	19
40	19	24	66	25	74	118	19
44	17	23	65	25	72	145	20
44	17	22	64	27	73	146	20
44	20	23	68	25	71	144	20
44	18	23	66	26	71	144	20
44	17	23	66	26	71	143	20
45	17	24	64	25	69	143	20
44	19	24	66	24	70	143	20
44	18	23	66	26	69	144	20
44	18	24	66	26	69	142	20
46	18	24	65	24	68	164	20
47	20	24	65	26	68	162	20
46	19	25	71	25	68	161	21
46	21	25	65	25	67	162	21
46	18	24	63	25	69	161	21
*	*	*	*	26	68	161	20
46	21	22	60	24	66	159	20
43	18	23	65	28	67	139	21
45	20	28	65	25	67	144	20
45	18	24	63	26	68	144	21
45	16	23	65	26	69	146	21
44	18	24	66	25	68	144	21
45	15	24	60	27	68	145	21
45	18	24	66	24	68	146	20
45	20	23	57	27	67	146	21
45	17	28	65	27	68	146	21
45	20	24	65	26	68	145	20
45	18	30	60	26	68	145	20
45	20	23	64	26	68	144	20
43	18	24	65	26	67	132	21

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	AC
146	47	42	77	41	17	22	66	
147	48	2	78	42	17	23	65	
148	48	23	77	43	20	24	68	
149	48	42	78	42	21	22	63	
150	49	3	78	42	17	23	68	
151	49	23	78	36	14	21	65	
152	49	43	79	36	16	22	67	
153	50	3	79	38	15	21	66	
154	50	22	79	38	15	22	66	
155	50	42	79	38	17	22	66	
156	*	*	80	37	15	21	68	
157	51	22	80	24	12	20	26	
158	51	41	80	24	13	18	57	
159	52	1	79	24	12	17	54	
160	52	21	20	41	17	21	68	
161	52	41	20	41	17	21	66	
162	53	1	20	40	17	22	68	
163	53	21	20	40	16	21	65	
164	53	42	79	38	16	21	65	
165	54	3	81	36	20	21	66	
166	54	23	*	*	*	22	71	
167	54	45	80	37	18	22	56	
168	55	5	80	38	19	21	68	
169	55	25	81	38	17	21	66	
170	55	44	81	37	17	24	65	
171	56	5	81	37	17	21	66	
172	56	25	*	1	4	6	7	
173	56	45	*	*	2	5	0	
174	57	6	*	*	1	5	1	
175	57	26	*	*	0	6	0	
176	57	46	*	*	0	6	0	
177	58	7	*	4	4	7	0	
178	58	26	*	*	2	7	0	
179	58	50	*	*	0	7	0	
180	59	10	*	*	1	9	1	
181	59	30	*	*	0	9	0	
182	59	51	*	*	0	9	0	

1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
41	17	22	66	26	69	118	20
42	17	23	65	27	68	116	20
43	20	24	68	26	69	128	20
42	21	22	63	26	68	119	20
42	17	23	68	24	68	117	20
36	14	21	65	26	69	76	19
36	16	22	67	26	69	81	19
38	15	21	66	26	69	81	20
38	15	22	66	27	69	81	20
38	17	22	66	26	69	82	20
37	15	21	68	26	70	76	20
24	12	20	26	*	*	25	14
24	13	18	57	27	68	24	14
24	12	17	54	24	69	25	14
41	17	21	68	24	69	100	19
41	17	21	66	24	69	98	20
40	17	22	68	27	68	98	20
40	16	21	65	25	69	98	20
38	16	21	65	26	70	85	19
36	20	21	66	26	69	80	20
*	*	22	71	26	70	80	20
37	18	22	66	26	70	78	20
38	19	21	68	26	70	79	20
38	17	21	66	27	69	80	20
37	17	24	65	27	70	79	19
37	17	21	66	26	70	81	20
1	4	6	7	26	43	2	5
*	2	5	0	27	*	1	4
*	1	5	1	26	*	0	5
*	0	6	0	27	*	0	5
*	0	6	0	26	*	0	6
4	4	7	0	26	*	4	6
*	2	7	0	27	*	1	6
*	0	7	0	26	*	1	7
*	1	9	1	26	*	1	8
*	0	9	0	27	*	1	8
*	0	9	0	26	*	1	9

HH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2
1	0	1	0	25	35	0	40	
2	0	21	0	15	15	0	30	
3	0	41	1	40	25	0	35	
4	1	1	0	15	25	0	35	
5	1	21	0	20	25	0	30	
6	1	41	0	25	35	0	50	
7	2	1	0	25	25	0	50	
8	2	21	0	0	40	0	40	
9	2	41	0	20	30	31	3160	
10	3	1	0	10	25	31	3200	
11	3	20	*	10	45	28	3160	
12	3	40	1	20	25	27	2795	
13	4	0	*	25	10	33	3015	
14	4	20	0	10	30	27	3060	
15	4	40	0	15	30	26	3110	
16	5	0	0	40	25	32	3115	
17	5	19	0	30	30	32	3060	
18	5	39	0	25	15	31	3140	
19	5	59	0	5	30	38	3060	
20	6	19	0	10	25	34	3110	
21	6	19	0	25	25	27	3120	
22	6	58	0	20	25	33	3005	
23	7	18	0	5	10	36	3110	
24	7	38	0	5	20	32	3100	
25	7	58	0	25	25	25	3045	
26	8	17	0	10	40	40	3020	
27	8	37	0	20	10	38	3045	
28	8	57	0	15	20	26	3060	
29	9	17	0	10	25	32	3030	
30	9	36	0	10	15	27	1975	
31	9	56	0	5	25	40	3110	
32	10	16	*	20	25	30	3015	
33	10	35	*	*	*	30	3060	
34	10	55	*	25	10	31	3020	
35	11	15	*	10	20	27	3100	
36	11	34	0	25	30	31	3110	
37	11	54	0	25	25	31	3100	
38	12	14	0	10	25	31	296[illegible]	
39	12	34	0	20	30	31	304[illegible]	
40	12	53	*	10	10	33	3045	
41	13	13	0	20	25	32	2965	
42	13	33	0	15	10	30	2995	
43	13	52	0	25	10	31	3100	
44	14	12	*	*	*	32	3055	
45	14	32	0	25	10	31	3040	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

2-06 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
25	35	0	40	29	12	12	12	0
15	15	0	30	29	12	12	10	0
40	25	0	35	49	4	4	8	0
15	25	0	35	29	8	8	6	0
20	25	0	30	*	*	*	*	*
25	35	0	50	39	16	6	12	0
25	25	0	50	29	6	6	12	0
0	40	0	40	29	8	6	16	0
20	30	31	3160	3061	48	44	58	26
10	25	31	3200	3086	40	44	52	28
10	45	28	3160	3081	50	42	52	28
20	25	27	2795	2962	32	40	46	*
25	10	33	3015	3051	40	42	50	28
10	30	27	3060	3021	40	52	46	30
15	30	26	3110	3061	42	40	56	31
40	25	32	3115	3081	40	34	52	28
30	30	32	3060	3061	42	44	46	30
25	15	31	3140	3051	30	48	50	30
5	30	38	3060	3071	32	50	*	*
10	25	34	3110	3041	50	36	50	31
25	25	27	3120	3031	40	38	52	32
20	25	33	3005	3041	40	36	46	32
5	10	36	3110	3016	30	38	48	32
5	20	32	3100	3026	48	40	44	32
25	25	25	3045	3031	40	34	46	32
10	40	40	3020	*	*	*	*	31
20	10	38	3045	3021	38	42	48	31
15	20	26	3060	3041	40	40	56	32
10	25	32	3030	3036	38	40	50	30
10	15	27	1975	1997	1101	1108	48	28
5	25	40	3110	3001	1079	1078	44	28
20	25	30	3015	3011	1071	1076	44	32
*	*	30	3060	2991	1069	1078	52	32
25	10	31	3020	2981	1077	1078	44	33
10	20	27	3100	3011	1077	1071	44	20
25	30	31	3110	3021	1081	1067	56	32
25	25	31	3100	3001	1073	1071	46	31
10	25	31	2965	3031	1081	1071	48	32
20	30	31	3040	3021	1061	1073	42	28
10	10	33	3045	3011	1083	1067	42	31
20	25	32	2985	3031	1067	1069	46	31
15	10	30	2995	3001	1065	1071	48	32
25	10	31	3100	3046	1071	1067	54	31
*	*	32	3055	3051	1061	1063	52	30
25	10	31	3040	3031	1061	1067	46	32

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2- 2ST H (. SE CY P
46	14	51	0	5	10	29	3110	30
47	15	11	0	40	25	27	2960	30
48	15	31	*	25	10	31	3020	30
49	15	50	0	15	10	31	3100	30
50	16	10	0	20	25	31	3060	30
51	16	30	0	20	5	26	3015	30
52	16	49	0	15	10	29	3030	30
53	17	9	0	10	10	30	3015	29
54	17	33	0	20	20	26	3120	30
55	17	53	0	10	15	33	3015	30
56	18	13	0	15	15	32	3020	30
57	18	33	0	35	5	32	2995	29
58	18	52	0	30	30	23	3060	29
59	*	10	*	25	20	26	3118	30
60	19	32	0	30	20	33	3060	30
61	19	52	0	25	10	33	3030	29
62	20	11	0	5	20	33	3100	30
63	*	*	0	50	10	33	3015	30
64	20	51	0	20	10	32	3060	29
65	21	10	40	2673	2680	30	3060	30
66	21	30	27	2970	2836	32	3020	29
67	*	*	31	3020	2811	31	3060	29
68	22	10	26	3020	2826	27	3020	30
69	22	29	41	3000	2786	26	3040	29
70	22	49	40	3015	2811	33	3030	30
71	*	6	29	3041	2811	29	2995	29
72	23	28	36	3036	50	31	3130	33
73	23	48	17	2950	2805	33	3010	
74	24	7	21	2930	2816	27	3030	
75	24	27	32	3020	2946	32	3020	29
76	24	47	45	3051	3027	26	3100	29
77	25	6	*	3071	3047	34	3060	30
78	25	26	32	3066	3077	33	3060	30
79	25	46	35	3066	3057	38	3103	30
80	26	5	29	3222	3102	24	3010	29
81	26	25	16	3091	3067	27	3100	29
82	26	44	26	3086	3067	23	3010	29
83	27	4	29	3222	3062	23	2990	29
84	27	24	*	3081	3062	23	2995	29
85	27	43	48	3071	3062	31	3015	29
86	28	3	48	3222	3067	31	3010	29
87	28	23	32	3126	3047	31	3055	29
88	28	42	25	3066	3062	27	3100	
89	29	2	30	3071	3072	31	3050	29
90	29	22	29	3071	3042	23	2970	29
91	29	41	40	3071	3062	30	3070	30
92	30	1	21	3046	3072	26	2960	30
93	30	21	35	3020	3067	28	3060	30
94	30	40	48	3061	3052	22	3060	29
95	31	0	17	3141	3057	24	3110	29

2-06 STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 1STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
5	10	29	3110	3001	1055	1063	46	31
60	25	27	2960	3031	1063	1061	48	31
25	10	31	3020	3021	1063	1078	44	*
15	10	31	3100	3031	1061	1069	44	30
20	25	31	3060	3041	1071	1063	44	31
20	5	26	3015	3031	1061	1067	42	27
15	10	29	3030	3016	1063	1067	42	30
10	10	30	3015	2991	1061	1069	44	30
20	20	26	3120	3011	30	26	48	30
10	15	33	3015	3026	26	1209	42	30
15	15	32	3020	3021	1069	1053	44	31
35	5	32	2995	2996	1057	1063	44	31
30	30	23	3060	2972	1049	1065	44	30
25	20	26	3110	3011	1059	1065	46	31
30	20	33	3060	3006	1063	1063	42	31
25	10	33	3030	2996	1047	1057	42	32
5	20	33	3100	3031	1077	1057	46	33
50	10	33	3015	3011	1063	1055	40	31
20	10	32	3060	2996	1051	1057	48	32
2973	2680	30	3060	3006	1065	1059	40	27
2970	2836	32	3020	2996	1057	1051	44	33
3020	2811	31	3060	2991	1053	1053	42	31
3020	2826	27	3020	3021	1051	1063	44	30
3000	2786	26	3040	2996	1047	1051	42	32
3015	2811	33	3030	3031	1051	1053	40	32
3041	2811	29	2995	2996	1049	1057	40	32
3036	50	31	3130	3379	20	22	42	31
2950	2806	33	3010	39	26	18	44	32
2930	2816	27	3030	54	36	22	40	31
3020	2946	32	3020	2986	1051	1047	44	26
3051	3037	26	3100	2996	1047	1055	44	31
3071	3047	34	3060	3036	1043	1051	34	31
3066	3077	23	3060	3031	1059	1051	34	30
3066	3057	38	3100	3021	1041	1057	42	32
3322	3102	24	3010	2981	1055	1051	40	29
3091	3067	27	3100	2996	1053	1053	30	30
3086	3067	23	3010	2991	1061	1057	48	30
3222	3062	23	2990	2981	1051	1057	38	31
3061	3062	23	2995	2996	1061	1053	42	32
3071	3062	31	3015	2986	1051	1057	44	31
3322	3067	31	3010	2981	1049	1061	44	38
3128	3047	31	3055	2981	1051	1053	44	31
3066	3062	27	3100	*	*	1063	38	27
3071	3072	31	3059	2981	1061	1049	40	30
3071	3042	23	2970	2986	1047	1059	40	31
3071	3062	30	3070	3001	1055	1051	42	32
3046	3072	26	2960	3001	1055	1057	44	30
3020	3067	28	3060	3011	1047	1051	34	30
3061	3052	22	3060	2991	1057	1057	36	30
3141	3057	24	3110	2991	1051	1051	40	29

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2S S C
96	31	20	26	3046	3037	32	3030	2
97	31	39	23	3015	3062	30	3025	2
98	31	59	30	2985	3062	29	3020	2
99	32	19	21	3222	3062	26	3060	2
100	32	38	26	3081	3037	32	2995	3
101	32	58	40	3041	3082	23	3060	2
102	33	16	33	3066	3032	29	3110	3
103	33	37	26	2985	3032	29	3110	2
104	33	57	24	3066	3032	31	3020	2
105	34	17	27	2985	3057	32	2965	3
106	*	*	32	3066	3032	29	3110	3
107	34	56	40	3041	3022	31	3020	2
108	35	16	35	3066	3057	27	2995	3
109	35	35	33	3041	3027	32	3005	2
110	35	55	27	3081	3032	30	3110	3
111	36	15	25	*	*	*	3110	3
112	36	34	32	3041	3052	27	3065	2
113	36	54	48	3041	3092	28	3055	3
114	37	14	24	3005	3012	29	3110	3
115	37	33	29	3041	3027	26	2995	2
116	37	53	21	3041	*	*	2965	2
117	38	13	32	3031	3032	32	3120	2
118	38	32	32	3066	3042	26	2995	3
119	38	52	32	3066	3032	31	3120	2
120	39	12	33	3081	3022	29	3100	2
121	39	31	*	3031	*	29	3110	2
122	39	51	21	3066	3032	31	3020	3
123	40	11	26	3036	3072	34	3015	3
124	40	30	17	3066	3032	29	2995	3
125	40	50	34	3041	2911	26	2840	3
126	41	10	40	3041	3062	26	3005	3
127	41	29	25	3066	3062	25	3005	3
128	41	49	41	3071	3052	30	3040	2
129	42	9	49	3071	3017	27	3050	3
130	42	28	31	3041	3052	32	3020	3
131	42	48	24	3066	3012	27	2965	3
132	43	8	35	2980	3072	31	3020	3
133	43	27	49	3066	3057	32	3110	3
134	43	47	32	3066	3052	29	3065	3
135	44	7	41	3051	3052	29	3120	3
136	44	26	49	3041	3022	26	2995	3
137	44	46	49	3041	3062	26	2995	3
138	45	6	21	3086	3032	27	2995	3
139	45	26	24	3081	2926	31	3060	3
140	45	45	30	3046	3062	28	3100	3
141	46	5	49	3041	3022	26	2995	3
142	46	25	35	3031	3057	29	3020	3
143	46	44	*	*	3052	32	3040	3
144	47	4	48	3041	3012	32	3040	3
145	47	24	29	3066	3017	31	2995	3

2-06 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
3046	3037	32	3030	2986	1065	1057	40	29
3015	3062	30	3025	2986	1051	*	*	*
2985	3062	29	3020	2981	1049	1049	34	32
3022	3062	26	3060	2991	1047	1047	40	31
3081	3037	32	2995	3001	1051	1057	40	30
3041	3082	23	3060	2986	1049	1057	40	30
3066	3032	29	3110	3011	1047	1049	38	31
2985	3032	29	3110	2991	1053	1049	40	29
3066	3032	31	3020	2986	1051	1055	44	30
2985	3057	32	2965	3031	1048	1047	34	30
3066	3032	29	3110	3006	1055	1049	34	27
3041	3022	31	3020	2991	1043	1055	36	31
3066	3057	27	2995	3001	1049	1053	40	29
3041	3027	32	3005	2996	1045	1059	34	31
3081	3032	30	3110	3011	1051	1051	40	32
*	*	*	3110	3011	1047	1057	40	32
3041	3052	27	3065	2981	1043	1057	40	31
3041	3092	28	3095	3006	1043	1055	36	30
3005	3012	29	3110	3006	1047	1051	34	34
3041	3027	26	2995	2981	1041	1045	40	30
3041	*	*	2965	2996	1041	1047	30	31
3031	3032	32	3120	2986	1057	1049	40	31
3066	3042	26	2995	3006	1047	1057	40	30
3066	3032	31	3120	2947	1035	1047	34	30
3081	3022	29	3100	2986	1035	1053	40	30
3031	*	29	3110	2991	1053	1047	44	28
3066	3032	31	3020	3011	1043	1051	38	31
3036	3072	34	3015	3016	1041	1041	40	30
3066	3032	29	2995	3001	1041	1047	40	30
3041	2911	26	2840	3136	1053	1051	30	29
3041	3062	26	3005	3031	1045	1049	36	31
3066	3062	25	3005	2996	1045	1053	40	31
3071	3052	30	3040	2996	1051	1047	36	29
3071	3017	27	3050	3016	1043	1049	42	28
2941	3052	32	3020	2991	1055	1047	40	30
3066	3012	27	2965	3001	1045	1063	40	30
2980	3072	31	3020	3011	1055	1049	40	31
3066	3057	32	3110	3021	1049	1055	36	29
3066	3052	29	3065	2967	1047	14	46	27
3051	3052	29	3120	2991	1057	12	38	31
3041	3022	26	2995	3001	1051	20	34	30
3041	3062	26	2995	3006	1051	20	40	31
3066	3032	27	2995	3031	1061	20	40	27
3081	2926	31	3060	3121	1049	20	40	29
3046	3062	28	3100	3021	1053	14	40	28
3041	3022	26	2995	3011	1055	22	40	28
3031	3057	29	3020	3031	1047	16	46	27
*	3052	32	3040	2996	1047	14	26	28
3041	3012	32	3040	2991	1051	16	36	31
3066	3017	31	2995	2986	1055	20	40	31

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2S S C
146	47	44	21	3041	3022	28	3100	3
147	48	4	48	3041	3022	31	3020	2
148	48	25	35	3000	3022	27	3020	2
149	48	45	49	3041	3062	26	3015	3
150	49	5	35	3061	3037	31	2945	2
151	49	25	48	3036	2996	30	3120	2
152	49	45	22	3041	3027	30	3040	2
153	50	5	25	3066	3012	26	2995	3
154	50	25	24	3041	3052	28	3120	2
155	50	44	49	2985	3052	29	2995	3
156	51	4	27	3041	3037	29	2995	2
157	51	24	49	3041	3017	26	3005	3
158	51	44	32	3041	3042	26	3020	2
159	52	4	32	3066	3032	28	3120	3
160	52	23	40	2980	3052	32	2965	3
161	52	43	45	2985	3052	30	3045	3
162	53	3	35	2985	3017	32	3005	2
163	53	23	32	3041	3022	27	2985	2
164	53	45	25	3066	2976	28	3040	3
165	54	6	49	2985	3032	30	3015	3
166	54	25	29	3061	3037	28	3120	3
167	54	47	29	2985	3032	31	3030	3
168	*	*	49	3061	3012	31	3110	2
169	55	27	32	3041	3022	32	3020	3
170	55	47	21	3041	3052	30	3110	2
171	56	7	31	3041	3052	30	3030	3
172	56	27	33	3026	3022	26	3110	2
173	56	47	0	20	20	32	3020	3
174	57	9	0	0	0	27	3020	3
175	57	30	0	*	0	27	3100	3
176	57	50	0	*	0	27	3060	3
177	58	10	0	*	0	32	3060	3
178	58	30	*	*	10	32	3030	3
179	58	52	*	0	0	26	3120	2
180	59	12	*	*	5	32	3010	3
181	59	33	*	*	0	26	3060	3
182	59	53	*	*	5	33	3030	2

2-06 AGE HYD. PUMP TLET ESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-1* UTIL. HYD. PUMP INLET PRESS PSIG
041	3022	28	3100	3021	1043	16	40	30
041	3022	31	3020	2991	1055	22	32	32
00	3022	27	3020	2981	1055	28	38	32
041	3062	26	3015	3031	1051	20	44	32
061	3037	31	2945	2981	1047	20	42	31
036	2996	30	3120	2986	1049	1051	40	30
041	3027	30	3040	2996	1043	1057	42	31
066	3012	26	2995	3001	1041	1055	40	32
041	3052	28	3120	2981	1045	1049	40	32
085	3052	29	2995	3011	1041	1051	34	32
041	3037	29	2995	2996	1037	1051	40	28
041	3017	26	3005	3021	1051	1051	40	31
041	3042	26	3020	2981	1043	1055	*	*
066	3032	28	3120	3001	1045	1047	38	34
080	3052	32	2965	3021	1047	1053	34	31
085	3052	30	3045	3031	1047	1047	36	31
085	3017	32	3005	2996	1041	1057	38	31
041	3022	27	2985	2986	1045	1047	34	31
066	2976	28	3040	3026	1041	1047	36	31
085	3032	30	3015	3016	1041	1055	42	27
081	3037	28	3120	3031	1047	1057	46	24
085	3032	31	3030	3006	1041	1051	36	28
081	3012	31	3110	2986	1031	1051	38	28
041	3022	32	3020	3021	1035	1051	34	30
041	3052	30	3110	2996	1037	1057	34	29
041	3052	30	3030	3001	1027	1049	36	30
026	3022	26	3110	2986	1037	1051	42	32
20	20	32	3020	3021	1033	1055	34	30
0	0	27	3020	3001	1041	1047	34	28
*	0	27	3100	3031	1047	1047	36	31
*	0	27	3060	3011	24	16	44	30
*	0	32	3060	3001	24	22	42	32
*	10	32	3030	3021	24	24	38	34
0	0	26	3120	2986	24	14	40	27
*	5	32	3010	3016	24	20	46	38
*	0	26	3060	3001	24	22	32	32
*	5	33	3030	2996	24	24	42	31

HH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
1	0	1	25	2
2	0	21	35	2
3	0	41	40	4
4	1	1	15	0
5	1	21	40	4
6	1	41	15	4
7	2	1	15	0
8	2	21	30	2
9	2	41	3009	950
10	3	1	3070	966
11	3	20	3090	974
12	3	40	*	*
13	4	0	3095	1012
14	4	20	3141	948
15	4	40	3060	988
16	5	0	3030	986
17	5	19	3065	988
18	5	39	3090	1380
19	5	59	*	*
20	6	19	3090	1400
21	3	19	3065	1414
22	6	58	3070	1414
23	7	18	3080	1414
24	7	38	3065	1420
25	7	58	3085	1424
26	8	17	3050	1426
27	8	37	3060	1432
28	8	57	3120	1436
29	9	17	3090	1440
30	9	36	3100	1446
31	9	56	3060	1356
32	10	16	3085	1448
33	10	35	3136	1444
34	10	55	3065	1448
35	11	15	2817	1444
36	11	34	2954	1430
37	11	54	3080	1442
38	12	14	3080	1442
39	12	34	3060	1448
40	12	53	3055	1450
41	13	13	3040	1450
42	13	33	3040	1446
43	13	52	3019	1456
44	14	12	3085	1450
45	14	32	3085	1450

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
46	14	51	3060	1450
47	15	11	3035	1462
48	15	31	*	*
49	15	50	3085	1450
50	16	10	3090	1456
51	16	30	3050	1446
52	16	49	3070	1446
53	17	9	3070	1460
54	17	33	3035	1446
55	17	53	3040	1460
56	18	13	3080	1456
57	18	33	3080	1456
58	18	52	3050	1450
59	*	10	3030	1450
60	19	32	3019	1460
61	19	52	3045	1462
62	20	11	3045	1456
63	*	*	3080	1458
64	20	51	2989	1458
65	21	10	2994	1454
66	21	30	3050	1456
67	*	*	3055	1462
68	22	10	3040	1462
69	22	29	3035	1462
70	22	49	3080	1462
71	*	6	3085	1464
72	23	28	2989	1460
73	23	48	3030	102
74	24	7	3035	102
75	24	27	3040	1464
76	24	47	3019	1460
77	25	6	3004	1462
78	25	26	3045	1460
79	25	46	2999	1462
80	26	5	3050	1462
81	26	25	3070	1464
82	26	44	3060	1460
83	27	4	3045	1462
84	27	24	3035	1470
85	27	43	2969	1460
86	28	3	2989	1460
87	28	23	3151	1462
88	28	42	3024	1460
89	29	2	3045	1460
90	29	22	3040	1462
91	29	41	3055	1460
92	30	1	3055	1460
93	30	21	2989	1460
94	30	40	3050	1460
95	31	0	3035	1460

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
96	31	20	3035	1460
97	31	39	3080	1456
98	31	59	3070	1458
99	32	19	3080	1454
100	32	38	3040	1452
101	32	58	3040	1454
102	33	18	3080	1446
103	33	37	3131	1458
104	33	57	3019	1456
105	34	17	3050	1450
106	*	*	3035	1460
107	34	56	3035	1446
108	35	16	3050	1460
109	35	35	3045	1446
110	35	55	3035	1450
111	36	15	3030	1452
112	36	34	3080	1454
113	36	54	3019	1460
114	37	14	3131	1468
115	37	33	3045	1460
116	37	53	2999	1466
117	38	13	3035	1462
118	38	32	3040	1468
119	38	52	3040	1462
120	39	12	3040	1464
121	39	31	3050	1462
122	39	51	3131	1464
123	40	11	3040	1466
124	40	30	2999	1468
125	40	50	3019	1462
126	41	10	3019	1460
127	41	29	3035	1466
128	41	49	2989	1452
129	42	9	3035	1464
130	42	28	3131	1462
131	42	48	3080	1472
132	43	8	*	1464
133	43	27	3035	1462
134	43	47	3151	1460
135	44	7	3030	1462
136	44	26	3019	1468
137	44	46	3030	1462
138	45	6	3040	1468
139	45	26	3040	1454
140	45	45	3045	1462
141	46	5	3045	1472
142	46	25	3131	1462
143	46	44	3030	1462
144	47	4	3030	1462
145	47	24	3030	1462

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
146	47	44	3090	1464
147	48	4	3050	1462
148	48	25	3070	1466
149	48	45	3019	1462
150	49	5	3030	1458
151	49	25	2999	1460
152	49	45	3085	1458
153	50	5	3040	1454
154	50	25	3035	1458
155	50	44	3040	1460
156	51	4	3040	1462
157	51	24	3070	1462
158	51	44	3035	1446
159	52	4	3045	1460
160	52	23	2999	1460
161	52	43	2984	1460
162	53	3	3030	1454
163	53	23	3070	1460
164	53	45	3060	1456
165	54	6	3045	1452
166	54	25	3030	1446
167	54	47	3035	1440
168	*	*	3040	1426
169	55	27	3035	1428
170	55	47	2999	1440
171	56	7	3131	1452
172	56	27	3009	1448
173	56	47	2989	1446
174	57	9	3035	1442
175	57	30	3045	1448
176	57	50	3030	1452
177	58	10	3024	1454
178	58	30	3050	1448
179	58	52	2989	1452
180	59	12	3131	1456
181	59	33	3019	1450
182	59	53	3019	1458

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CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
1	0	4	-30	-28	-29	-29	-26
2	*	*	-30	-30	-29	-29	-25
3	0	44	-30	-28	-29	-28	-24
4	1	4	-30	-29	-29	-29	-24
5	1	24	-30	-29	-29	-28	-25
6	1	43	-30	-29	-29	-28	-24
7	2	3	-30	-30	-29	-29	-24
8	2	23	-30	-29	-28	-28	-25
9	*	*	*	*	*	-27	-25
10	3	3	-35	-28	-28	-27	-24
11	3	23	-29	-28	-28	-28	-25
12	3	43	-30	-28	-28	-28	-24
13	4	3	-29	-28	-28	-28	-24
14	4	22	-28	-29	-28	-28	-23
15	4	42	-28	-29	-28	-28	-24
16	5	2	*	*	*	-29	-24
17	5	22	-28	-29	-28	-28	-24
18	5	42	-28	-28	-29	-28	-24
19	6	1	-27	-29	-28	-28	-24
20	6	21	-26	-28	-28	-29	-24
21	6	41	-26	-28	-28	-29	-23
22	7	1	-26	-28	-29	-27	-24
23	*	*	*	*	-29	-28	-24
24	7	40	-25	-28	-27	-28	-23
25	8	0	-24	-28	-28	-28	-24
26	8	20	-24	-28	-28	-28	-23
27	8	40	-24	-27	-28	-28	-24
28	8	59	-24	-28	-29	-28	-24
29	9	19	-23	-27	-28	-27	-24
30	9	39	-23	-28	-27	-27	-24
31	9	58	-23	-28	-27	-28	-23
32	10	18	-23	-28	-28	-28	-24
33	10	38	-22	-27	-28	-27	-24
34	10	57	-22	-28	-27	-26	-24
35	11	17	-22	-28	-28	-27	-25
36	11	37	-22	-27	-26	-28	-24
37	11	57	-22	-27	-27	-28	-24
38	12	16	-20	-27	-29	-27	-24
39	12	36	-20	-28	-28	-28	-24
40	12	56	-20	-26	-27	-27	-24
41	*	*	*	-28	-28	-27	-23
42	13	35	-18	-28	-27	-27	-23
43	13	55	-19	-26	-28	-26	-24
44	14	14	-18	-27	-27	-28	-22
45	14	34	-19	-27	-26	-28	-23

HH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

3-06 ATER ENUM BER TEMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
-28	-29	-29	-26	-25	-28	-29	-22	-30
-30	-29	-29	-25	-26	-28	-29	-22	-30
-28	-29	-28	-24	-25	-29	-29	-22	-29
-29	-29	-29	-24	-25	-29	-28	-22	-29
-29	-29	-28	-25	-25	-29	-28	-22	-30
-29	-29	-28	-24	-24	-29	-28	-22	-30
-30	-29	-29	-24	-25	-28	-29	-22	-30
-29	-28	-28	-25	-25	-28	-29	-22	-30
*	*	-27	-25	-26	-28	-28	-23	-29
-28	-28	-27	-24	-30	-28	-29	-24	-28
-28	-28	-28	-25	-24	-28	-29	-20	-30
-28	-28	-28	-24	-25	-28	-28	-23	-30
-28	-28	-28	-24	-24	-28	-29	-23	-28
-29	-28	-28	-23	-24	-29	-29	-23	-30
-29	-28	-28	-24	-25	-29	-29	-23	-29
*	*	-29	-24	-24	-28	-29	-23	-30
-29	-28	-28	-24	-24	-30	-29	-23	-29
-28	-29	-28	-24	-25	-29	-28	-21	-30
-29	-28	-28	-24	-24	-30	-29	-21	-30
-28	-28	-29	-24	-24	-28	-28	-22	-30
-28	-28	-29	-23	-24	-28	-29	-21	-30
-28	-29	-27	-24	-24	-29	-28	-21	-29
*	-29	-28	-24	-25	-29	-29	-22	-28
-28	-27	-28	-23	-24	-28	-29	-23	-30
-28	-28	-28	-24	-25	-28	-29	-21	-29
-28	-28	-28	-23	-24	-28	-28	-21	-30
-27	-28	-28	-23	-24	-29	-29	-20	-30
-28	-29	-28	-24	-24	-27	-28	-21	-29
-27	-28	-27	-24	-24	-28	-28	-23	-28
-28	-27	-27	-24	-24	-28	-28	-23	-29
-28	-27	-28	-23	-24	-28	-28	-22	-29
-28	-28	-28	-24	-24	-28	-28	-20	-29
-27	-28	-27	-24	-24	-28	-28	-22	-29
-28	-27	-26	-24	-24	-28	-28	*	*
-28	-28	-27	-25	-24	-27	-28	-19	-29
-27	-26	-28	-24	-24	-28	-28	-22	-29
-27	-27	-28	-24	-24	-28	-28	-22	-29
-27	-29	-27	-24	-24	-28	-28	-21	-29
-28	-28	-28	-24	-24	-29	-28	-20	-29
-26	-27	-27	-24	-24	-28	-28	-19	-28
-28	-28	-27	-23	-23	-28	-28	-26	-29
-28	-27	-27	-23	-24	-28	-28	-20	-28
-26	-28	-26	-24	-23	-28	-28	-20	-29
-27	-27	-28	-22	-23	-28	-28	-20	-29
-27	-26	-28	-23	-23	*	*	*	*

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3 DI [illegible] OUT (CK R. DE
46	14	54	-18	-26	-28	-27	-23	
47	15	13	-17	-26	-28	-27	-23	
48	15	33	-17	-27	-26	-26	-22	
49	15	53	-18	-27	-27	-27	-22	
50	16	12	-18	-26	-27	-26	-22	
51	16	32	-17	-25	-27	-26	-22	
52	16	52	-18	-26	-26	-26	-22	
53	17	11	-17	-27	-26	-27	-22	
54	17	36	-34	48	45	41	47	
55	17	56	-32	59	55	50	59	
56	*	*	*	68	64	58	63	
57	18	35	-32	76	75	67	80	
58	18	55	-31	96	92	86	96	
59	19	15	-29	109	106	99	108	
60	*	*	*	*	114	108	114	
61	19	54	-31	122	120	113	118	
62	20	14	-28	127	125	116	120	
63	20	33	-28	129	126	118	122	
64	20	53	*	*	*	*	123	
65	21	13	-28	133	129	122	126	
66	21	33	-21	138	133	126	130	
67	21	52	-24	140	136	128	130	
68	22	12	*	*	*	101	76	
69	22	32	-25	62	61	54	30	
70	22	51	-28	59	56	52	62	
71	23	11	-28	82	78	73	89	
72	*	*	*	*	*	64	51	
73	23	50	-30	48	45	41	42	
74	24	10	-28	66	64	59	76	
75	24	29	-31	79	75	69	65	
76	*	*	-32	46	44	38	23	
77	25	9	-34	52	49	44	59	
78	25	28	-35	78	73	68	82	
79	25	48	-34	58	57	50	36	
80	26	8	-35	27	26	21	14	
81	26	27	-32	45	43	39	56	
82	26	47	-32	74	71	65	80	
83	27	6	-33	56	54	48	35	
84	27	26	-34	27	25	21	18	
85	27	46	-33	48	45	41	60	
86	28	5	-32	69	66	59	63	
87	28	25	-32	42	39	34	19	
88	28	45	-32	35	33	29	42	
89	29	4	-33	64	61	56	76	
90	29	24	-31	61	60	52	43	
91	29	44	-33	29	28	23	11	
92	30	3	-34	44	42	36	58	
93	30	23	-31	69	65	59	89	
94	30	43	-30	47	46	39	25	
95	31	2	-32	33	31	27	37	

3-06 TER NUM BER TEMP OUT G.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
-26	-28	-27	-23	-23	-28	-28	-18	-29
-26	-28	-27	-23	-24	-28	-28	-18	-29
-27	-26	-26	-22	-23	-28	-28	-21	-28
-27	-27	-27	-22	-23	-28	-20	-20	-29
-26	-27	-26	-22	-22	-28	-27	-18	-28
-25	-27	-26	-22	-22	-28	-27	-18	-28
-26	-26	-26	-22	-22	-26	-27	-18	-29
-27	-26	-27	-22	-22	-28	-27	-20	-28
48	45	41	47	-20	-16	4	-16	-18
59	55	50	59	-18	-9	12	-15	-16
68	64	58	63	-13	-1	17	-11	-11
76	75	67	80	-9	3	25	-8	-7
96	92	86	96	-6	7	33	-7	-3
109	106	99	108	-2	12	41	-5	1
*	114	106	114	1	18	48	-0	3
122	120	113	118	5	24	52	0	5
127	125	116	120	8	27	57	1	6
129	126	118	122	12	30	60	7	12
*	*	*	123	16	34	61	8	16
133	129	122	126	18	35	64	9	18
138	133	126	130	21	36	68	13	20
140	136	128	130	24	39	69	15	22
*	*	101	76	26	41	60	15	22
62	61	54	30	25	36	44	14	17
59	56	52	62	23	29	37	14	12
82	78	73	89	23	27	44	12	11
*	*	64	51	23	26	41	10	9
48	45	41	42	22	24	31	11	9
68	64	59	76	22	21	35	11	9
79	75	69	65	21	22	39	9	10
46	44	38	23	22	22	29	9	9
52	49	44	59	20	19	30	8	8
78	73	68	82	20	21	36	10	7
58	57	50	36	21	21	33	9	8
27	26	21	14	20	19	22	11	8
45	43	39	58	19	17	28	7	7
74	71	65	80	19	18	40	8	8
56	54	48	35	19	19	33	8	8
27	24	21	18	18	17	21	9	8
48	45	41	60	18	15	30	9	8
69	66	59	63	19	17	38	8	7
42	39	34	19	18	18	26	9	10
35	33	29	42	18	15	23	9	8
64	61	56	76	*	*	*	6	8
61	60	52	43	19	18	33	8	9
29	28	23	11	13	18	21	9	10
44	42	36	58	18	15	28	7	7
69	65	59	69	18	16	36	8	8
47	46	39	25	19	18	28	8	9
33	31	27	37	18	16	24	7	8

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
96	31	22	-30	60	56	50	66
97	31	42	-30	47	44	37	27
98	32	1	-30	33	29	26	30
99	32	21	-30	52	49	44	60
100	32	41	-32	58	55	49	44
101	33	0	-31	29	27	23	9
102	33	20	-31	21	20	17	28
103	33	40	-30	55	51	48	68
104	33	59	-29	81	80	72	89
105	34	19	-30	65	64	55	42
106	34	39	-32	30	29	24	10
107	*	*	-32	9	8	6	7
108	35	18	-32	39	36	33	55
109	35	38	-28	71	70	62	79
110	35	57	-30	57	55	48	36
111	36	17	-30	25	22	19	6
112	36	37	*	28	27	23	39
113	36	56	-30	57	57	51	65
114	37	16	-29	34	39	34	24
115	37	36	-28	11	16	12	10
116	37	55	-29	32	36	34	55
117	38	15	-29	*	64	58	66
118	38	35	-29	34	41	35	24
119	38	54	-28	11	15	11	0
120	39	14	-28	18	22	20	39
121	39	34	-29	49	56	52	70
122	*	*	-26	38	47	41	32
123	40	13	-25	11	19	16	4
124	40	33	-28	15	20	17	34
125	40	52	-25	47	53	49	69
126	41	12	-25	45	51	45	38
127	41	32	-26	16	22	19	7
128	41	51	-26	8	12	10	19
129	42	11	-26	37	44	39	61
130	42	31	-24	44	48	43	30
131	42	50	-25	16	22	19	8
132	43	10	-24	10	15	12	24
133	43	30	-24	42	47	43	64
134	43	49	-23	73	76	72	89
135	44	9	-22	60	66	58	46
136	44	29	-24	25	32	27	13
137	44	49	-24	35	40	36	54
138	45	8	-22	57	60	55	59
139	45	28	-24	31	36	31	19
140	45	48	-24	23	28	24	35
141	46	7	-22	55	57	53	72
142	46	27	-22	85	85	78	95
143	46	47	-21	103	103	97	108
144	47	7	-20	81	83	75	58
145	47	26	-23	49	53	47	46

3-06 HEATER NUMBER TEMP OUT °C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
60	56	50	66	18	16	32	7	8
47	44	37	27	18	16	27	7	7
33	29	26	39	17	16	*	*	*
52	49	44	60	17	14	25	7	7
58	55	49	44	18	15	28	6	7
29	27	23	9	18	15	19	8	8
21	20	17	28	16	13	18	6	8
55	51	48	68	18	13	30	9	9
81	80	72	89	18	15	41	6	9
65	64	55	42	14	19	36	7	11
30	29	24	10	21	19	22	11	11
9	8	6	7	18	15	12	9	11
39	36	33	55	18	12	23	10	9
71	70	62	79	19	12	35	6	8
57	55	48	36	18	17	31	10	9
25	22	19	6	18	17	18	8	11
28	27	23	39	17	13	20	9	9
57	57	51	65	17	14	30	8	11
34	39	34	24	19	15	24	10	12
11	16	12	10	18	14	15	8	12
32	36	34	55	19	11	24	9	11
*	64	58	66	18	13	34	11	12
34	41	35	24	19	15	26	10	14
11	15	11	0	19	15	13	9	11
18	22	20	39	19	11	17	11	11
49	56	52	70	18	11	30	9	12
38	47	41	32	19	14	27	16	14
11	19	16	4	18	14	15	10	14
15	20	17	34	18	11	16	11	11
47	53	49	69	18	11	29	10	12
45	51	45	38	19	13	28	13	14
16	22	19	7	18	14	18	11	13
8	12	10	19	18	11	12	11	10
37	44	39	61	17	10	24	9	10
44	48	43	38	19	12	27	9	11
16	22	19	8	18	14	16	11	11
10	15	12	24	17	9	14	11	9
42	47	43	64	*	9	27	10	10
73	76	72	89	18	13	38	13	13
80	06	58	46	18	18	36	14	16
25	32	27	13	19	18	24	12	15
35	40	36	54	19	17	27	12	14
57	60	55	58	21	17	34	13	15
31	36	31	19	19	17	25	12	17
23	28	24	35	19	16	22	13	15
55	97	53	72	20	15	33	11	14
85	85	78	95	22	18	46	15	18
103	103	97	108	23	24	55	17	21
81	83	75	58	24	28	51	18	22
49	53	47	46	25	28	38	18	21

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
146	47	46	-21	69	71	65	81
147	48	6	-21	62	62	56	46
148	48	27	-21	45	46	42	51
149	48	47	-20	71	70	65	79
150	49	8	-21	52	54	47	34
151	49	28	-20	53	53	48	63
152	49	47	-22	70	70	63	65
153	50	7	-22	48	46	42	36
154	50	27	-22	60	58	53	61
155	50	47	-23	42	41	36	29
156	51	7	-20	58	56	51	69
157	51	26	-21	51	49	44	36
158	51	46	-24	52	49	45	59
159	*	*	-22	61	59	53	51
160	52	26	-22	45	44	39	43
161	52	46	-24	59	56	51	53
162	53	6	-23	42	39	34	33
163	53	26	-22	62	61	54	72
164	53	47	-24	54	52	45	35
165	54	8	-26	51	48	43	49
166	54	28	-23	47	45	40	37
167	54	49	-16	45	43	39	28
168	55	9	-14	44	41	38	25
169	55	29	-10	44	41	37	22
170	55	49	-6	39	*	35	18
171	56	9	-3	41	37	34	17
172	56	29	0	39	35	32	15
173	56	50	3	38	34	31	14
174	57	11	5	36	31	29	13
175	57	33	7	36	30	29	12
176	57	52	8	35	31	28	11
177	58	12	9	34	29	27	11
178	58	33	9	33	29	25	11
179	58	54	11	32	27	24	11
180	59	14	11	31	25	24	11
181	59	35	11	31	25	23	10
182	59	56	12	30	25	22	11

3-06 TER NUM BER TEMP OUT G.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
69	71	65	81	24	25	44	16	22
62	62	56	46	25	25	41	19	23
45	46	42	51	25	24	35	18	20
71	70	65	79	27	23	43	16	21
52	54	47	34	26	24	35	15	22
53	53	48	63	26	23	36	17	20
70	70	63	65	28	24	42	14	19
48	46	42	36	26	24	34	16	18
60	58	53	61	26	24	38	15	17
42	41	36	29	25	24	30	16	19
58	56	51	69	25	21	36	14	17
51	49	44	36	25	23	33	15	18
52	49	45	59	25	22	33	14	18
61	59	53	51	25	23	37	15	17
45	44	39	43	25	23	32	14	18
39	58	51	53	26	22	35	14	17
42	39	34	33	26	21	29	15	17
62	61	94	72	25	22	36	14	17
54	52	45	35	24	22	33	16	18
51	48	43	49	24	22	32	16	17
47	45	40	37	26	22	28	15	16
45	43	39	28	25	21	24	14	15
44	41	38	25	25	20	21	14	13
44	41	37	22	24	18	19	14	11
39	"	35	18	23	16	16	14	10
41	37	34	17	22	16	14	13	12
39	35	32	15	22	13	12	12	8
38	34	31	14	22	12	11	11	7
38	31	29	13	21	11	10	12	7
36	30	29	12	20	9	9	11	7
35	31	28	11	21	10	9	11	7
34	29	27	11	20	9	8	11	6
33	29	26	11	19	8	8	9	7
32	27	24	11	19	8	7	9	6
31	25	24	11	18	7	7	8	6
31	25	23	10	18	8	7	9	5
30	25	22	11	17	7	6	8	5

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MH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3- CO-P FLO MA TE DEG
1	0	4	-30	-30	-24	-30	-30	
2	*	*	-30	-30	-24	-30	-31	
3	0	44	-30	-30	-24	-30	-31	
4	1	4	-30	-30	-24	-30	-31	
5	1	24	-30	-30	-24	-30	-30	
6	1	43	-30	-31	-24	-29	-30	
7	2	3	-30	-30	-24	-30	-30	
8	2	23	-30	-30	-24	-29	-30	
9	*	*	-30	-30	-24	-29	-29	
10	3	3	-32	-24	-24	-28	-16	
11	3	23	-29	-28	-24	-29	-31	
12	3	43	-30	-30	-24	-30	-32	
13	4	3	-30	-30	-24	-30	-31	
14	4	22	-31	-31	-24	-30	-30	
15	4	42	-30	-31	-24	-30	-30	
16	5	2	-30	-29	-24	-29	-30	
17	5	22	-30	-31	-24	-30	-30	
18	5	42	-29	-29	-24	-30	-30	
19	6	1	-30	-26	-23	-30	-30	
20	6	21	-30	-28	-24	-29	-30	
21	6	41	-29	-26	-23	-29	-30	
22	7	1	-29	-28	-23	-30	-31	
23	*	*	-29	-28	-22	-30	-31	
24	7	40	-29	-30	-22	-30	-31	
25	8	0	-29	-29	-22	-29	-31	
26	8	20	-29	-27	-23	-29	-30	
27	8	40	-29	-29	-23	-30	*	
28	8	59	-28	-28	-23	-30	-31	
29	9	19	-29	-30	-24	-29	-31	
30	9	39	-30	-28	-23	-29	-30	
31	9	58	-29	-28	-24	-29	-30	
32	10	18	-28	-29	-24	-28	-30	
33	10	38	-29	-29	-24	-29	-30	
34	10	57	*	*	-24	-30	-31	
35	11	17	-29	-29	-24	-29	-30	
36	11	37	-31	-28	-24	-29	-29	
37	11	57	-30	-29	-24	-29	-30	
38	12	16	-30	-27	-23	-30	-30	
39	12	36	-30	-28	-23	-30	-30	
40	12	56	-29	-28	-22	-28	-30	
41	*	*	-28	-27	-22	-29	-30	
42	13	35	-29	-28	-22	-29	-29	
43	13	55	-30	-30	-21	-29	-31	
44	14	14	-30	-30	-20	-29	-31	
45	14	34	*	-31	-20	-28	-30	

MH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

3-16 LOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
-30	-24	-30	-30	-30	-26	-30	-32	-31
-30	-24	-30	-31	-30	-26	-30	-32	-32
-30	-24	-30	-31	-31	-26	-31	-31	-32
-30	-24	-30	-31	-31	-26	-31	-31	-32
-30	-24	-30	-30	-30	-26	-30	-31	-31
-31	-24	-29	-30	-30	*	*	*	*
-30	-24	-30	-30	-30	-26	-30	-32	-31
-30	-24	-29	-30	-31	-26	-30	-32	-32
-30	-24	-29	-29	-29	-27	-30	-31	-32
-24	-24	-28	-16	-24	-40	0	-30	-30
-28	-24	-29	-31	-30	-26	-31	-31	-31
-30	-24	-30	-32	-31	-26	-31	-31	-30
-30	-24	-30	-31	-30	-26	-31	*	*
-31	-24	-30	-30	-29	-26	-30	-32	-31
-31	-24	-30	-30	-30	-26	-30	-31	-31
-29	-24	-29	-30	-30	-26	-30	-31	-30
-31	-24	-30	-30	-30	-26	-30	-31	-31
-29	-24	-30	-30	-31	-26	-30	-31	-31
-26	-23	-30	-30	-30	-27	-30	-31	-31
-28	-24	-29	-30	-30	-26	-30	*	*
-26	-23	-29	-30	-30	-26	-30	-31	-31
-28	-23	-30	-31	-30	-26	-30	-31	-31
-28	-22	-30	-31	-31	-26	-31	-32	-31
-30	-22	-30	-31	-30	-25	-31	-31	-30
-29	-22	-29	-31	-30	-25	-31	-32	-30
-27	-23	-29	-30	-30	-25	-30	-31	-31
-29	-23	-30	*	*	*	*	-31	-32
-28	-23	-30	-31	-30	-26	-30	-31	-31
-30	-24	-29	-31	-31	-26	-31	-31	-31
-28	-23	-29	-30	-30	-26	-30	-31	-30
-28	-24	-29	-30	-30	-25	-30	-31	-30
-29	-24	-28	-30	-30	-26	-30	-30	-31
-29	-24	-29	-30	-30	-25	-30	-30	-31
*	-24	-30	-31	-30	-26	-31	-31	-30
-29	-24	-29	-30	-30	-26	-31	-31	-32
-29	-24	-29	-29	-31	-26	-30	-31	-31
-29	-24	-29	-30	-31	-26	-30	-31	-30
-27	-23	-30	-30	-30	-24	-30	-31	-31
-28	-23	-30	-30	-30	-24	-30	-31	-31
-28	-22	-28	-30	-28	-24	-30	-31	-31
-27	-22	-29	-30	-30	-24	-30	-31	-31
-28	-22	-29	-29	-31	-24	-29	-31	-30
-30	-21	-29	-31	-31	-25	-30	-31	-30
-30	-20	-29	-31	-30	-25	-31	-30	-31
-31	-20	-28	-30	-30	-24	-30	-32	-32

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3 CO- FL M T DE
46	14	54	-29	-26	-21	-28	-29	-
47	15	13	-30	-27	-21	-28	-29	-
48	15	33	-30	-30	-20	-29	-31	-
49	15	53	-29	-29	-20	-29	-30	-
50	16	12	-29	-26	-20	-28	-30	-
51	16	32	-30	-28	-19	-28	-31	-
52	16	52	-29	-29	-20	-29	-31	-
53	17	11	-29	-30	-19	-29	-29	-
54	17	36	-17	-28	-17	-8	-6	-
55	17	56	-14	-27	-14	-2	-4	-
56	*	*	-13	-24	-12	0	0	-
57	18	35	-10	-20	-9	3	3	-
58	18	55	-9	-22	-5	8	12	-
59	19	15	-2	-20	0	14	15	-
60	*	*	4	-15	3	18	18	-
61	19	54	5	-12	7	22	23	
62	20	14	8	-12	9	26	26	
63	20	33	11	-8	12	27	29	
64	20	53	12	-6	15	29	30	
65	21	13	16	-7	17	31	31	
66	21	33	17	-5	18	33	34	
67	21	52	19	-3	21	35	36	
68	22	12	19	-2	22	33	35	
69	22	32	14	0	22	23	24	
70	22	51	10	0	18	19	18	
71	23	11	12	0	17	25	22	
72	*	*	13	0	17	25	25	
73	23	50	11	0	17	18	19	
74	24	10	13	3	15	22	19	
75	24	29	12	0	15	24	24	
76	*	*	11	2	15	18	20	
77	25	9	9	0	14	18	18	
78	25	28	13	2	14	21	23	
79	25	48	14	1	16	22	22	
80	26	8	9	2	14	15	14	
81	26	27	11	3	12	15	15	
82	26	47	12	1	12	22	22	
83	27	6	14	4	14	21	21	
84	27	26	10	3	13	13	15	
85	27	46	11	1	11	15	16	
86	28	5	14	5	13	22	21	
87	28	25	9	6	12	17	18	
88	28	45	9	4	12	15	14	
89	29	4	11	4	12	20	18	
90	29	24	12	5	12	22	21	
91	29	44	12	4	13	15	16	
92	30	3	10	5	11	16	16	
93	30	23	13	5	12	22	22	
94	30	43	13	6	14	18	19	
95	31	2	12	4	14	16	15	

3-16 LOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
-26	-21	-28	-29	-30	-25	-30	-31	-31
-27	-21	-28	-29	-30	-26	-30	-31	-31
-30	-20	-29	-31	-30	-25	-31	-31	-30
-29	-20	-29	-30	-30	*	*	*	-30
-26	-20	-28	-30	-30	-25	-30	-31	-30
-28	-19	-28	-31	-31	-24	-30	-31	-30
-29	-20	-29	-31	-31	-24	-30	-31	-30
-30	-19	-29	-29	-30	-25	-30	-30	-31
-28	-17	-8	-6	-26	-1	0	-28	-30
-27	-14	-2	-4	-23	2	5	-28	-30
-24	-12	0	0	-22	10	5	-28	-30
-20	-9	3	3	-20	17	9	-26	-30
-22	-5	8	12	-18	22	2	-28	-30
-20	0	14	15	-14	29	25	-26	-30
-15	3	18	18	-12	39	25	-27	-30
-12	7	22	23	-8	43	36	-27	-28
-12	9	26	26	-7	44	31	-26	-29
-8	12	27	29	-4	48	44	-26	-30
-6	15	29	30	-1	52	38	-26	-28
-7	17	31	31	0	55	40	-25	-30
-5	18	33	34	0	54	49	-25	-28
-3	21	35	36	3	*	38	-25	-28
-2	22	33	35	5	52	36	-24	-29
0	22	23	24	5	36	36	-24	-28
0	18	19	18	4	30	24	-23	-26
0	17	25	22	5	35	18	-23	-28
0	17	25	25	7	33	31	-24	-27
0	17	18	19	7	24	29	-22	-27
3	15	22	19	6	31	16	-23	-27
0	15	24	24	10	32	36	-22	-28
2	15	18	20	8	24	29	-22	-26
0	14	18	18	8	22	29	-21	-27
2	14	21	23	10	29	29	-21	-26
1	16	22	22	9	26	29	-20	-27
2	14	15	14	10	16	9	-20	-26
3	12	15	15	9	21	9	-19	-26
1	12	22	22	9	29	30	-19	-26
4	14	21	21	11	27	22	-19	-26
3	13	13	15	9	15	25	-19	-26
1	11	15	16	9	*	*	*	-24
5	13	22	21	9	28	15	-18	-25
6	12	17	18	9	21	29	-18	-26
4	12	15	14	10	18	15	-19	-24
4	12	20	18	9	24	22	-18	-25
5	12	22	21	10	26	12	-17	-24
4	13	15	15	11	15	17	-16	-25
5	11	16	16	9	17	8	-17	-25
5	12	22	22	11	24	10	-17	-24
6	14	18	19	12	21	22	-18	-24
4	14	16	15	12	16	9	-16	-24

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
96	31	22	13	8	11	18	20
97	31	42	14	8	14	19	19
98	32	1	12	8	12	15	16
99	32	21	13	9	10	17	18
100	32	41	14	11	11	21	21
101	33	0	11	8	12	16	16
102	33	20	12	11	11	11	11
103	33	40	12	6	12	17	17
104	33	59	17	11	14	24	24
105	34	19	16	11	14	24	24
106	34	39	15	8	15	16	17
107	*	*	11	7	13	9	9
108	35	18	12	7	11	15	13
109	35	38	15	9	12	22	22
110	35	57	16	6	13	22	22
111	36	17	14	14	12	16	16
112	36	37	13	7	11	14	14
113	36	56	16	11	11	21	19
114	37	16	13	10	12	17	17
115	37	36	11	8	12	12	14
116	37	55	11	7	12	15	14
117	38	15	17	9	13	23	19
118	38	35	16	10	14	19	18
119	38	54	12	9	12	12	14
120	39	14	12	8	12	13	12
121	39	34	17	10	13	21	17
122	*	*	17	12	15	20	19
123	40	13	14	11	13	13	13
124	40	33	11	7	12	12	10
125	40	52	15	9	10	17	17
126	41	12	16	8	13	22	19
127	41	32	12	11	12	14	15
128	41	51	11	7	12	9	*
129	42	11	13	7	11	17	14
130	42	31	13	10	11	18	18
131	42	50	12	12	12	15	15
132	43	10	9	7	12	9	11
133	43	30	14	10	10	17	17
134	43	49	19	14	12	25	22
135	44	9	19	9	14	23	22
136	44	29	15	11	14	16	16
137	44	49	16	10	15	17	15
138	45	8	18	8	14	22	21
139	45	28	17	*	*	*	21
140	45	48	15	13	13	14	14
141	46	7	16	11	15	22	19
142	46	27	22	12	17	28	28
143	46	47	27	14	20	34	33
144	47	7	25	12	22	32	32
145	47	26	23	16	21	24	24

3-16 TOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
8	11	18	20	11	22	22	-16	-24
8	14	19	19	12	20	31	-17	-24
8	12	15	16	12	18	22	-16	-22
9	10	17	18	11	19	12	-16	-23
11	11	21	21	11	26	9	-16	-24
8	12	16	16	12	15	25	-16	-23
11	11	11	11	11	12	2	-15	-24
6	12	17	17	9	*	*	*	*
11	14	24	24	11	31	16	-15	-22
11	14	24	24	12	30	27	-16	-23
8	15	16	17	14	16	22	-16	-23
7	13	9	9	10	7	24	-14	-22
7	11	15	13	10	13	23	-15	-22
9	12	22	22	11	24	12	-14	-22
6	13	22	22	13	27	14	-15	-22
14	12	16	16	13	17	14	-14	-23
7	11	14	14	12	11	1	-14	-22
11	11	21	19	12	24	22	-14	-22
10	12	17	17	11	21	9	-13	-22
8	12	12	14	11	10	9	-13	-21
7	12	15	14	12	16	2	-11	-21
9	13	23	19	13	26	21	-13	-21
10	14	19	18	12	22	7	-13	-22
9	12	12	14	13	12	14	-10	-20
8	12	13	12	11	9	16	-10	-20
10	13	21	17	11	21	16	-11	-20
12	15	20	19	12	19	8	-12	-20
11	13	13	13	12	11	22	-11	-19
7	12	12	10	11	8	9	-9	-20
9	10	17	17	12	17	6	-11	-20
8	13	22	19	11	23	14	-12	-20
11	12	14	15	11	12	14	-10	-20
7	12	9	*	12	6	14	-9	-19
7	11	17	14	13	17	15	-8	-20
10	11	18	18	13	18	16	-11	-20
8	12	15	15	11	14	2	-10	-20
7	12	9	11	12	8	16	-8	-19
10	10	17	17	13	18	21	-8	-19
14	12	25	22	14	29	5	-10	-18
9	14	23	22	13	29	16	-12	-19
11	14	16	16	12	19	9	-11	-18
10	15	17	15	12	17	9	-10	-19
8	14	22	21	13	27	22	-11	-20
*	*	*	21	13	19	25	-11	-18
9	13	14	14	15	17	7	-9	-19
11	15	22	19	14	23	16	-10	-17
12	17	28	28	15	32	14	-9	-18
14	20	34	33	15	41	15	-11	-18
12	22	32	32	16	38	36	-11	-17
16	21	24	24	15	28	24	-11	-16

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3 CO- FL M T DE
146	47	46	23	18	19	29	28	
147	48	6	24	12	22	28	29	
148	48	27	22	15	19	25	23	
149	48	47	23	14	19	29	27	
150	49	8	22	14	22	26	26	
151	49	28	19	14	20	25	24	
152	49	47	22	14	21	29	29	
153	50	7	21	*	*	26	24	
154	50	27	21	14	21	25	26	
155	50	47	19	19	19	23	25	
156	51	7	18	14	19	25	25	
157	51	26	22	14	20	27	24	
158	51	46	22	14	20	25	25	
159	*	*	23	18	21	28	28	
160	52	25	18	16	19	26	23	
161	52	46	20	16	20	25	28	
162	53	6	22	15	20	23	25	
163	53	26	22	19	20	25	25	
164	53	47	22	14	22	26	27	
165	54	8	22	17	19	26	23	
166	54	28	20	18	20	24	23	
167	54	49	17	16	19	22	22	
168	55	9	18	14	18	20	18	
169	55	29	16	13	16	17	17	
170	55	49	15	13	14	16	14	
171	56	9	*	*	14	15	12	
172	56	29	14	12	12	14	10	
173	56	50	13	11	12	12	10	
174	57	11	14	11	11	12	7	
175	57	33	14	12	11	11	6	
176	57	52	13	12	11	10	7	
177	58	12	13	11	11	10	6	
178	58	33	12	9	11	9	4	
179	58	54	12	11	10	9	4	
180	59	14	12	9	11	8	3	
181	59	35	12	10	10	8	4	
182	59	56	11	9	9	7	2	

3-16 LOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
18	19	29	28	17	34	29	-11	-18
12	22	28	29	17	32	31	-12	-17
15	19	25	23	18	28	16	-11	-18
14	19	29	27	17	33	14	-11	-17
14	22	26	26	18	27	28	-11	-17
14	20	25	24	18	29	16	-11	-17
14	21	29	29	19	32	36	-10	-16
*	*	26	24	20	25	18	-11	-18
14	21	25	26	19	27	18	-11	-17
19	19	23	25	19	24	9	-11	-16
14	19	25	25	20	27	16	-10	-17
14	20	27	24	20	25	31	-10	-16
14	20	25	25	18	25	10	-10	-15
18	21	28	28	19	28	14	-10	-17
16	19	26	23	20	*	29	-8	-16
16	20	25	28	19	29	29	-10	-17
15	20	23	25	20	28	25	-9	-16
19	20	25	25	21	27	23	-9	-16
14	22	26	27	21	29	14	-9	-15
17	19	26	23	21	24	16	-9	-16
18	20	24	23	19	24	19	-7	-15
16	19	22	22	19	22	16	-7	-15
14	18	20	18	19	21	14	-8	-16
13	16	17	17	18	19	12	-9	-15
13	14	16	14	18	17	9	-9	-16
*	14	15	12	18	16	8	-10	-15
12	12	14	10	17	14	5	-11	-16
11	12	12	10	16	13	5	-12	-16
11	11	12	7	15	12	3	-12	-16
12	11	11	6	15	11	2	-12	-16
12	11	10	7	15	11	2	-11	-16
11	11	10	6	15	11	1	-11	-16
9	11	9	4	14	10	0	-12	-15
11	10	9	4	15	9	0	-12	-15
9	11	8	3	15	9	0	-12	-16
10	10	8	4	14	9	0	-12	-17
9	9	7	2	14	8	-2	-18	-16

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CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
1	0	4	-28	-30	-31	-30
2	*	-	-29	-30	-30	-30
3	0	44	-28	-30	-30	-31
4	1	4	-28	-30	-31	-31
5	1	24	-28	-29	-30	-30
6	1	43	-28	-30	-30	-31
7	2	3	-28	-30	-30	-30
8	2	23	-29	-30	-30	-31
9	*	*	-29	-30	-30	-29
10	3	3	-28	-30	-30	-30
11	3	23	-28	-29	-30	-30
12	3	43	-29	-30	-31	-30
13	4	3	*	*	*	-31
14	4	22	-29	-30	-31	-30
15	4	42	-29	-30	-30	-29
16	5	2	-29	-30	-30	-30
17	5	22	-30	-30	-31	-30
18	5	42	-29	-30	-32	-30
19	6	1	-29	-31	-31	-30
20	6	21	*	*	-31	-30
21	6	41	-28	-30	-30	-30
22	7	1	-29	-30	-31	-30
23	*	*	-29	-30	-31	-30
24	7	40	-30	-30	-30	-30
25	8	0	-30	-30	-31	-30
26	8	20	-30	-30	-30	-29
27	8	40	-30	-30	-31	-28
28	8	59	-29	-29	-30	-29
29	9	19	-29	-30	-30	-29
30	9	39	-29	-30	-30	-28
31	9	58	-28	-30	-31	-28
32	10	18	-29	-30	-30	-29
33	10	38	-28	-30	-30	-29
34	10	57	-29	-30	-31	-29
35	11	17	-28	-30	-31	-28
36	11	37	-29	-30	-30	-29
37	11	57	-29	-30	-30	-28
38	12	16	*	*	*	*
39	12	36	-29	-30	-30	-28
40	12	56	-28	-30	-30	-27
41	*	*	-28	-30	-30	-27
42	13	35	-29	-30	-30	-28
43	13	55	-28	-30	-30	-27
44	14	14	-28	-30	-30	-27
45	14	34	-28	-30	-30	-26

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
46	14	54	-28	-30	-30	-28
47	15	13	-28	-29	-30	-27
48	15	33	-28	-30	-30	-28
49	15	53	-28	-30	-30	-27
50	16	12	-29	-30	-30	-28
51	16	32	-28	-30	-31	-27
52	16	52	-29	-30	-30	-26
53	17	11	-28	-29	*	*
54	17	36	-18	-20	-29	-25
55	17	56	-9	-15	-27	-26
56	*	*	-2	-9	-24	-27
57	18	35	2	-4	-22	-24
58	18	55	9	0	-20	-26
59	19	15	15	3	-18	-25
60	*	*	21	8	-16	-25
61	19	54	27	11	-15	-25
62	20	14	31	15	-16	-25
63	20	33	34	17	-16	-25
64	20	53	37	19	-14	-24
65	21	13	39	20	-15	-24
66	21	33	42	21	-13	-24
67	21	52	44	24	-14	-24
68	22	12	44	25	-14	-24
69	22	32	41	23	-15	-24
70	22	51	36	21	-12	-23
71	23	11	29	20	-10	-22
72	*	*	29	19	-8	-23
73	23	50	27	18	-8	-23
74	24	10	25	17	-7	-23
75	24	29	25	16	-6	-23
76	*	*	25	17	-8	-22
77	25	9	22	17	-6	-22
78	25	28	21	16	-6	-22
79	25	48	23	16	-5	-22
80	26	8	22	15	-7	-21
81	26	27	18	13	*	*
82	26	47	18	14	-6	-22
83	27	6	20	15	-7	-21
84	27	26	19	14	-8	-21
85	27	46	17	12	-6	-22
86	28	5	17	13	-5	-20
87	28	25	19	14	-6	-21
88	28	45	17	12	-6	-20
89	29	4	16	13	-4	-20
90	29	24	18	14	-5	-20
91	29	44	18	14	-5	-19
92	30	3	17	12	-4	-19
93	30	23	17	13	-4	-18
94	30	43	19	14	*	*
95	31	2	17	13	-6	-19

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
96	31	22	16	12	-4	-19
97	31	42	18	13	-5	-18
98	32	1	17	12	-6	-18
99	32	21	14	9	-6	-18
100	32	41	15	11	-6	-18
101	33	0	15	11	-6	-18
102	33	20	14	10	-6	-18
103	33	40	12	9	-5	-18
104	33	59	15	12	-6	-18
105	34	19	19	14	-6	-18
106	34	39	20	14	-5	-17
107	*	*	17	11	-6	-16
108	35	18	13	9	*	*
109	35	38	13	11	-5	-18
110	35	57	17	12	-5	-17
111	36	17	18	12	-5	-17
112	36	37	15	10	-5	-16
113	36	56	14	11	-4	-16
114	37	16	15	12	-5	-17
115	37	36	15	11	-5	-17
116	37	55	12	10	-5	-17
117	38	15	14	11	-4	-17
118	38	35	16	12	-6	-16
119	38	54	16	12	-6	-16
120	39	14	13	9	-6	-15
121	39	34	12	10	-6	-16
122	*	*	15	11	-6	-16
123	40	13	*	*	*	*
124	40	33	13	9	-6	-15
125	40	52	11	9	-6	-15
126	41	12	15	11	-6	-16
127	41	32	15	11	-6	-15
128	41	51	13	9	-6	-16
129	42	11	11	8	-6	-15
130	42	31	13	10	-6	-15
131	42	50	14	11	-5	-14
132	43	10	12	9	-5	-14
133	43	30	10	8	-4	-14
134	43	49	14	11	-5	-14
135	44	9	19	15	-5	-14
136	44	29	20	15	-4	-14
137	44	49	18	14	-3	-14
138	45	8	18	15	-3	-14
139	45	28	19	16	-2	-13
140	45	48	17	13	-3	-13
141	46	7	17	13	-1	-14
142	46	27	19	16	-2	-14
143	46	47	25	19	-2	-13
144	47	7	30	22	-1	-14
145	47	26	30	23	-2	-12

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
146	47	46	28	22	-1	-13
147	48	6	28	22	-1	-12
148	48	27	27	22	-0	-13
149	48	47	26	21	0	-13
150	49	8	26	22	-1	-12
151	49	28	25	20	0	-13
152	49	47	25	20	0	-12
153	50	7	26	20	0	-12
154	50	27	25	19	0	-12
155	50	47	24	19	0	-11
156	51	7	23	18	0	-11
157	51	26	23	19	1	-12
158	51	46	22	18	0	-12
159	*	*	23	19	0	-12
160	52	26	23	19	1	-12
161	52	46	23	19	2	-11
162	53	6	23	18	1	-10
163	53	26	22	18	2	-11
164	53	47	23	19	1	-10
165	54	8	22	18	1	-11
166	54	28	22	17	1	-9
167	54	49	20	14	-0	-9
168	55	9	18	11	-2	-9
169	55	29	15	9	-3	-10
170	55	49	12	7	-4	-10
171	56	9	11	5	-5	-9
172	56	29	9	4	*	*
173	56	50	7	2	-8	-10
174	57	11	6	1	-8	-8
175	57	33	5	1	-9	-11
176	57	52	4	1	-8	-9
177	58	12	3	0	-9	-9
178	58	33	3	-0	-9	-9
179	58	54	2	-1	-9	-10
180	59	14	1	-1	-9	-10
181	59	35	1	-1	-10	-8
182	59	56	1	-2	-10	-9

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RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1S OU 0
1	0	6	-29	-28	-29	-28	-31	
2	0	26	-28	-28	-29	-27	-31	
3	0	46	-29	-28	-29	-28	-31	
4	1	6	-29	-28	-29	-27	-32	
5	1	26	-29	-28	-29	-27	-30	
6	1	46	-29	-28	-29	-27	-31	
7	2	6	-29	-28	-29	-27	-31	
8	2	26	-29	-28	-29	-26	-31	
9	2	46	-29	-28	-29	-28	-31	
10	3	5	-28	-28	-31	-27	-30	
11	3	25	-28	-28	-28	-26	-30	
12	3	45	-30	-28	-30	-27	-32	
13	4	5	-29	-28	-30	-26	-30	
14	4	25	-29	-26	-28	-27	-31	
15	4	45	-29	-28	-28	-27	-31	
16	5	4	-30	-27	-28	-28	-32	
17	5	24	-29	-27	-28	-28	-31	
18	5	44	-29	-29	-30	-26	-31	
19	6	4	-30	-28	-27	-27	-31	
20	6	24	-29	-27	-27	-27	-31	
21	6	43	-29	-28	-29	-26	-31	
22	7	3	-29	-29	-30	-24	-31	
23	7	23	-29	-28	-30	-26	-32	
24	7	43	-29	-28	-30	-26	-31	
25	8	3	-28	-28	-30	-26	-31	
26	8	22	-29	-28	-29	-26	-31	
27	8	42	-29	-29	-28	-25	-32	
28	9	2	-28	-28	-29	-25	-30	
29	9	21	-29	-27	-29	-27	-30	
30	9	41	-29	-28	-31	-27	-31	
31	10	1	-29	-29	*	*	*	
32	10	21	-29	-28	-31	-26	-30	
33	10	40	-30	-27	-26	-30	-30	
34	11	0	-28	-24	-26	-26	-30	
35	11	20	-29	-26	-30	-24	-30	
36	11	39	-28	-27	-30	-27	-30	
37	11	59	-27	-22	-30	-27	-31	
38	12	19	-26	-20	-30	-27	-30	
39	12	38	-25	-19	-28	-26	-30	
40	12	58	-24	-14	-27	-26	-30	
41	13	18	-23	-13	-30	-26	-29	
42	13	38	-24	-10	-27	-23	-28	
43	13	57	-22	-8	-26	-27	-28	
44	14	17	-22	-6	-30	-26	-29	
45	14	37	-21	-6	-29	-26	-29	

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4-06 PLT SHD SIDE PER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
-28	-29	-28	-31	-32	-30	-31	-30	-31
-25	-29	-27	-31	-32	-30	-31	-30	-31
-28	-29	-28	-31	-32	-30	*	*	*
-28	-29	-27	-32	-32	-31	-32	-31	-31
-28	-29	-27	-30	-32	-31	-31	-31	-31
-29	-29	-27	-31	-33	-31	-31	-30	-32
-29	-29	-27	-31	-33	-31	-31	-31	-31
-28	-29	-26	-31	-32	-31	-31	-30	-31
-28	-29	-28	-31	-31	-30	-28	-29	-32
-28	-31	-27	-30	-32	-30	-26	-22	-32
-28	-28	-26	-30	-31	-30	-26	-17	-31
-28	-30	-27	-32	-32	-30	-20	-7	-31
-28	-30	-26	-30	-32	-30	-15	-5	-31
-28	-28	-27	-31	-32	-30	-10	0	-31
-28	-28	-27	-31	-32	-31	-11	1	-31
-27	-28	-28	-32	-32	-32	-10	4	-32
-27	-28	-26	-31	-32	-30	-3	7	-31
-29	-30	-26	-31	-32	-30	0	10	-31
-28	-27	-27	-31	-31	-31	3	14	-31
-27	-27	-27	-31	-31	-31	6	15	-31
-28	-29	-26	-31	-31	-29	8	18	-30
-29	-30	-24	-31	-32	-30	11	19	-30
-28	-30	-26	-32	-32	-29	11	22	-31
-28	-30	-26	-31	-31	-30	*	*	*
-28	-30	-26	-31	-31	-30	15	26	-29
-28	-29	-26	-31	-31	-30	16	27	-30
-29	-28	-25	-32	-31	-30	16	29	-30
-26	-29	-25	-30	-31	-29	19	29	-30
-27	-29	-27	-30	-31	-30	21	32	-30
-26	-31	-27	-31	-31	-30	20	32	-28
-29	*	*	*	*	*	13	25	-24
-28	-31	-26	-30	-31	-30	12	25	-21
-27	-26	-30	-30	-31	-30	11	2.	-16
-24	-26	-26	-30	-30	-30	12	25	-13
-26	-30	-24	-30	-31	-29	12	24	-8
-25	-30	-27	-30	-30	-28	12	24	-3
-22	-30	-27	-31	-30	-28	13	24	0
-20	-30	-27	-30	-29	-29	14	25	4
-15	-28	-26	-30	-30	-30	14	24	6
-14	-27	-26	-30	-30	-28	15	25	7
-13	-30	-26	-29	-30	-29	15	26	9
-10	-27	-23	-28	*	*	*	*	12
-8	-28	-27	-28	-29	-28	16	26	14
-6	-30	-26	-29	-29	-28	15	27	16
-3	-29	-26	-29	-30	-27	17	27	17

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4- 1STA PU OUTL HY TE DEG
46	14	56	-22	-4	-27	-26	-28	-2
47	15	16	-21	-3	-28	-26	-28	-3
48	15	36	-22	-3	-30	-26	-28	-2
49	15	53	-21	-2	-30	-26	-28	-2
50	16	15	-19	-1	-27	-26	-28	-2
51	16	35	-20	-2	-29	-25	-27	-2
52	16	54	-20	-2	-28	-25	-26	-2
53	17	14	-20	-1	-30	-26	-27	-2
54	17	38	-17	-1	-28	-24	-26	-2
55	17	58	-16	-1	-29	-22	-25	-2
56	18	18	-15	0	-24	-22	-26	-2
57	18	38	-14	0	*	*	*	
58	18	57	-13	2	-24	-21	-25	-2
59	19	17	-12	4	-24	-18	-24	-2
60	19	37	-12	6	-24	-17	-24	-2
61	19	57	-10	7	-26	*	*	
62	20	16	-9	8	-24	-14	-24	-2
63	20	36	-7	9	-25	-14	-24	-2
64	20	56	-7	12	-24	-12	-24	-2
65	21	15	-4	11	-23	-11	-24	
66	21	35	-4	12	-21	-10	-26	-2
67	21	55	-3	14	-23	-8	-24	
68	22	14	-3	15	-18	-8	-21	
69	22	34	-2	15	-19	-5	-19	
70	22	54	-2	13	-18	-6	-19	-2
71	23	13	-2	15	-19	-4	-16	-2
72	23	33	-1	16	-18	-2	-16	-2
73	23	53	-1	15	*	*	*	
74	24	12	-3	11	-16	-8	-9	
75	24	32	-0	15	-14	-4	-8	
76	24	52	-2	12	-15	-9	-10	
77	25	11	*	*	*	*	-10	
78	25	31	-1	15	-12	-3	-7	
79	25	50	0	16	-13	-3	-8	
80	26	10	1	15	-14	-8	-8	
81	26	30	0	14	-15	-7	-4	
82	26	49	2	15	-15	-8	-5	
83	27	9	0	16	-11	-4	-6	
84	26	49	0	19	-14	-7	-5	
85	27	46	1	14	-14	-8	-3	
86	28	8	0	17	-11	-0	0	
87	28	27	0	16	-11	-4	0	
88	28	47	2	14	-12	-8	-0	
89	29	7	1	10	-13	-4	0	
90	29	26	4	15	-14	-7	1	
91	29	46	2	17	-10	-4	1	
92	30	6	4	15	-13	-6	2	
93	30	25	3	18	-12	-3	4	
94	30	45	3	18	-10	-5	5	
95	31	5	1	17	-10	-6	5	

4-06 -PLT OSHD SIDE PPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
-4	-27	-26	-28	-28	-27	17	28	18
-3	-28	-26	-28	-30	-27	17	28	19
-3	-30	-26	-28	-29	-27	18	28	19
-2	-30	-26	-28	-29	-26	19	28	20
-1	-27	-26	-28	-27	-27	19	30	22
-2	-29	-25	-27	-28	-27	20	29	22
-2	-28	-25	-26	-27	-26	21	31	23
-1	-30	-26	-27	-28	-26	22	30	24
-1	-28	-24	-26	-26	-24	37	45	20
-1	-29	-22	-25	-26	-24	38	46	15
0	-24	-22	-26	-27	-25	32	45	22
0	*	*	*	*	*	30	43	25
2	-24	-21	-25	-26	-24	30	40	27
4	-24	-18	-24	-25	-24	30	40	28
6	-24	-17	-24	-25	-24	31	41	30
7	-26	*	*	30	*	*	40	31
8	-24	-14	-24	-24	-23	31	40	32
9	-25	-14	-24	-25	-22	31	40	33
12	-24	-12	-24	-25	-23	32	40	34
11	-23	-11	-24	-1	*	*	40	35
12	-21	-10	-26	-22	-21	31	40	35
14	-23	-8	-24	-21	-22	32	40	35
15	-18	-8	-21	-18	-23	32	40	36
15	-19	-5	-19	*	*	*	40	37
13	-18	-6	-19	-14	-23	33	39	38
15	-19	-4	-18	-13	-22	33	39	38
16	-18	-2	-16	-12	-23	33	40	38
15	*	*	*	*	*	33	33	36
11	-16	-8	-9	-6	-24	35	34	37
15	-14	-4	-8	-5	-23	33	42	37
12	-15	-9	-10	-5	-25	32	40	38
*	*	*	-10	-6	-25	32	39	38
18	-12	-3	-7	-5	-24	32	37	37
16	-13	-3	-8	-3	-26	31	38	38
15	-14	-8	-8	3	-25	29	34	37
14	-15	-7	-4	9	-26	29	34	36
15	-15	-8	-5	11	-27	28	32	35
16	-11	-4	-6	12	-27	27	31	35
19	-14	-7	-5	12	-27	27	32	33
14	-14	-8	-3	14	-27	26	30	34
17	-11	-0	0	15	-27	26	30	33
16	-11	-4	0	16	-27	26	30	33
14	-12	-8	-0	17	-26	27	30	32
16	-13	-4	0	18	-27	28	29	32
15	-14	-7	1	18	-26	26	*	*
17	-10	-4	1	20	-26	25	30	31
15	-13	-6	2	19	-25	27	29	31
18	-12	-3	4	20	-26	26	29	31
18	-10	-5	5	21	-26	26	29	30
17	-10	-6	5	21	-26	26	29	30

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
96	31	24	3	18	-8	-6	5
97	31	44	5	17	-12	-5	6
98	32	4	1	22	-12	-8	8
99	32	23	4	16	-8	-4	8
100	32	43	2	18	-7	-4	10
101	33	3	2	18	-7	1	9
102	33	22	6	14	-8	-5	8
103	33	42	2	14	-5	-8	8
104	34	2	6	14	-6	-3	9
105	34	21	7	16	-1	-3	9
106	34	41	10	15	-1	-5	11
107	35	1	5	16	2	-2	10
108	35	20	4	15	3	0	11
109	35	40	5	17	3	0	11
110	36	0	7	17	4	0	12
111	36	20	9	15	3	-2	14
112	36	39	8	15	7	0	14
113	*	*	8	13	5	-4	12
114	37	19	9	14	7	0	12
115	37	38	7	15	9	-3	9
116	37	58	11	11	10	1	10
117	38	18	7	17	11	0	11
118	*	*	7	17	9	0	8
119	38	57	4	14	11	0	8
120	39	17	7	19	12	3	7
121	39	36	9	15	11	-2	6
122	39	56	7	18	14	0	7
123	40	16	7	19	12	5	6
124	40	35	10	13	12	-4	5
125	40	55	9	14	11	-2	6
126	41	15	11	17	11	-4	6
127	41	34	8	20	12	-2	5
128	41	54	9	15	14	0	5
129	42	14	9	15	12	-1	7
130	42	33	8	18	16	1	5
131	42	53	11	17	13	-0	7
132	43	13	9	15	13	-0	6
133	43	32	7	14	15	0	7
134	*	*	8	19	17	2	7
135	44	12	11	18	12	-0	6
136	44	31	12	18	13	-0	8
137	44	51	8	19	17	2	7
138	45	11	8	21	17	1	7
139	45	30	8	22	17	3	8
140	45	50	11	18	14	0	7
141	46	10	8	21	18	2	8
142	46	30	8	21	19	4	7
143	46	49	9	22	18	1	10
144	47	9	9	23	19	4	8
145	47	29	12	23	17	5	9

4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
18	-8	-6	5	22	-25	27	31	29
17	-12	-5	6	22	-26	27	29	30
22	-12	-6	8	23	-26	27	30	30
16	-8	-4	8	25	-25	*	24	*
18	-7	-4	10	24	-26	27	30	29
18	-7	1	9	24	-24	28	31	32
14	-6	-5	8	25	-24	27	31	32
14	-5	-6	8	25	-25	28	31	32
14	-6	-3	9	25	-24	28	31	32
16	-1	-3	9	25	-25	29	32	32
15	-1	-5	11	25	-23	29	33	32
16	2	-2	10	26	-24	29	32	31
15	3	0	11	25	-24	29	32	32
17	3	0	11	26	-24	29	33	32
17	4	0	12	27	-24	29	33	32
15	3	-2	14	27	-24	30	33	32
15	7	0	14	28	-23	30	34	33
13	5	-4	12	29	-23	30	33	34
14	7	0	12	28	-24	30	32	34
15	9	-3	9	27	-23	29	31	33
11	10	1	10	27	-23	29	32	33
17	11	0	11	27	-23	29	31	34
17	9	0	8	26	-24	29	30	34
14	11	0	8	27	-24	30	31	34
19	12	3	7	26	-24	30	30	34
15	11	-2	6	25	-24	30	31	34
16	14	0	7	25	-25	30	30	34
19	12	5	6	25	-24	29	30	34
13	12	-4	5	24	-24	29	31	34
14	11	-2	6	25	-25	29	31	33
17	11	-4	6	25	-25	30	31	34
20	12	-2	5	24	-24	29	31	34
15	14	0	5	24	-24	29	31	35
15	12	-1	7	24	-23	29	29	*
18	16	1	5	24	-22	31	31	34
17	13	-0	7	24	-23	30	31	35
15	13	-0	6	24	-23	30	31	35
14	15	0	7	24	-22	31	31	35
19	17	2	7	23	-22	30	31	33
18	12	-0	6	23	-22	30	32	33
18	13	-0	8	23	-22	30	32	31
19	17	2	7	24	-22	30	33	29
21	17	1	7	24	-22	30	33	29
22	17	3	6	24	-21	31	36	27
18	14	0	7	24	-22	*	34	26
21	18	2	8	25	-21	30	34	25
21	19	4	7	25	-22	31	34	23
22	18	1	10	24	*	*	33	23
23	19	4	8	25	-21	31	34	22
23	17	5	9	25	*	30	35	22

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1 OU
146	47	49	*	15	*	1	8	
147	48	9	9	18	18	0	7	
148	48	30	10	23	18	4	7	
149	48	50	12	21	16	2	8	
150	49	10	14	24	18	6	8	
151	49	30	11	21	17	2	10	
152	49	50	12	18	18	7	11	
153	50	10	11	24	17	4	11	
154	50	29	11	25	17	4	12	
155	50	49	13	22	20	6	13	
156	51	9	10	29	17	0	16	
157	51	29	12	24	18	7	17	
158	51	49	10	22	19	3	16	
159	52	8	11	22	18	5	18	
160	52	28	9	22	17	10	18	
161	52	48	13	25	17	6	17	
162	53	8	11	21	22	4	18	
163	53	28	9	22	21	3	19	
164	53	49	12	23	18	1	18	
165	54	11	12	22	20	5	19	
166	54	30	12	23	18	4	22	
167	54	52	11	24	18	4	20	
168	55	12	9	27	21	10	21	
169	55	32	11	24	21	3	22	
170	55	51	9	25	20	4	22	
171	56	12	9	24	19	5	22	
172	56	32	9	24	19	4	21	
173	56	52	9	24	22	1	21	
174	57	14	9	18	*	3	20	
175	*	*	8	22	19	2	19	
176	57	55	8	21	19	2	20	
177	58	15	7	22	17	2	20	
178	58	35	6	21	18	1	20	
179	58	57	*	21	17	2	21	
180	59	17	7	19	18	0	22	
181	59	38	7	19	18	0	22	
182	59	58	6	18	18	0	22	

4-06 -PLT NDSHD NSIDE UPPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
15	*	1	8	25	*	*	34	19
18	18	0	7	25	*	31	35	18
23	18	4	7	24	-20	31	35	18
21	16	2	8	24	*	31	34	17
24	18	6	8	25	-20	32	35	16
21	17	2	10	25	-19	30	35	18
18	18	7	11	26	-19	30	35	22
24	17	4	11	27	-19	30	34	23
25	17	4	12	28	-19	31	35	25
22	20	6	13	29	-17	32	34	27
29	17	0	16	29	-16	32	34	28
24	18	7	17	29	-17	32	35	29
22	19	3	16	30	-17	31	35	29
22	18	5	18	31	-18	32	35	31
22	17	10	18	31	-17	32	34	31
25	17	6	17	*	-17	32	36	32
21	22	4	18	32	-16	32	36	32
22	21	3	19	32	*	33	36	34
23	18	1	18	32	*	33	36	33
22	20	5	19	33	-16	32	36	34
23	18	4	22	34	*	*	36	34
24	18	4	20	34	-16	33	36	35
27	21	10	21	34	-16	33	36	35
24	21	3	22	35	-16	34	36	35
25	20	4	22	35	*	33	36	35
24	19	5	22	36	*	33	37	36
24	19	4	21	33	*	33	36	36
24	22	1	21	31	*	*	37	37
18	*	3	20	28	-14	35	39	38
22	19	2	19	27	-12	36	42	40
21	19	2	20	27	-12	38	45	38
22	17	2	20	26	*	38	46	38
21	18	1	20	25	-12	40	48	37
21	17	2	21	26	-12	42	50	36
19	18	0	22	25	-11	44	52	36
19	18	0	22	25	-10	45	*	*
18	18	0	22	25	-12	47	55	36

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-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
1	0	6	-31	-32	-32	-31	-30
2	0	26	-31	-32	-32	-31	-31
3	0	46	-30	-32	-31	-32	-29
4	1	6	-30	-32	-31	-32	-30
5	1	26	-31	-32	-31	-32	-30
6	1	46	-31	-32	-32	-32	-30
7	2	6	-31	-32	-32	-31	-30
8	2	26	-31	-32	-32	-32	-31
9	2	46	-30	-31	-27	-32	-29
10	3	5	*	*	*	*	*
11	3	25	-30	-32	-22	-31	-28
12	3	45	-30	-30	-21	-32	-30
13	4	5	-29	-24	-20	-32	-30
14	4	25	-29	-23	-17	-32	-29
15	4	45	-28	-24	-14	-32	-29
16	5	4	-28	-25	-12	-31	-28
17	5	24	*	*	*	*	*
18	5	44	-28	-19	-7	-31	-30
19	6	4	-28	-16	-4	-31	-28
20	6	24	-26	-14	-2	-32	-29
21	6	43	-26	-13	-1	-31	-29
22	7	3	-25	-12	0	-32	-29
23	7	23	-26	-11	1	-32	-29
24	7	43	*	*	1	-31	-28
25	8	3	-25	-8	4	-30	-29
26	8	22	-23	-7	5	-30	-28
27	8	42	-24	-5	5	-30	-29
28	9	2	-23	-4	7	-30	-28
29	9	21	-22	-2	7	-30	-27
30	9	41	-21	0	11	-30	-26
31	10	1	-12	1	12	-29	-29
32	10	21	-8	0	12	-28	-27
33	10	40	-6	1	12	-28	-26
34	11	0	-2	1	12	-30	-28
35	11	20	0	2	12	-29	-26
36	11	39	2	6	12	-28	-27
37	11	59	4	6	14	-28	-26
38	12	19	7	7	15	-29	-27
39	12	38	9	8	15	-28	-27
40	12	58	9	8	16	-27	-27
41	13	18	11	11	19	-26	-27
42	13	38	12	14	19	-28	-26
43	13	57	13	17	21	-24	-27
44	14	17	14	15	21	-26	-26
45	14	37	15	14	22	-24	-27

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4-17 IL. UMP LET YD. EMP G.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL HAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
32	-32	-31	-30	-30	-31	-31	-32	-32
32	-32	-31	-31	-30	-32	-31	-32	-32
32	-31	-32	-29	-31	-31	-32	-32	-32
32	-31	-32	-30	-30	-31	-32	-32	-32
32	-31	-32	-30	-30	-32	-31	-32	-32
32	-32	-32	-30	-30	-32	-32	-32	-32
32	-32	-31	-30	-30	-32	-32	-32	-32
32	-32	-32	-31	-30	-31	-32	-32	-32
31	-27	-32	-29	-30	-31	-32	-20	-24
*	*	*	*	-27	-30	-31	-12	-19
22	-22	-31	-28	-24	-31	-31	-6	-21
30	-21	-32	-30	-19	-31	-31	-2	-14
24	-20	-32	-30	-16	-31	-31	0	-8
23	-17	-32	-29	-14	-30	-30	4	-3
24	-14	-32	-29	-10	-30	-30	5	-1
25	-12	-31	-28	-6	-29	-30	7	-8
*	*	*	*	-1	-29	-30	8	-6
19	-7	-31	-30	-6	-30	-29	14	2
16	-4	-31	-28	-9	-28	-30	17	9
14	-2	-32	-29	-9	-26	-30	19	12
13	-1	-31	-29	-10	-27	-30	21	16
12	0	-32	-29	-10	-27	-29	22	14
11	1	-32	-29	-12	-26	-28	24	9
*	1	-31	-28	-12	-28	-27	25	5
-8	4	-30	-29	-13	-25	-28	27	2
-7	5	-30	-28	-14	-24	-27	28	-1
-5	5	-30	-29	-14	-24	-28	29	0
-4	7	-30	-28	-14	-23	-26	29	0
-2	7	-30	-27	-16	-22	-26	30	0
0	11	-30	-26	-15	-21	-26	31	3
1	12	-29	-29	-14	-22	-24	30	2
0	12	-28	-27	-16	-21	-24	32	-4
1	12	-28	-26	-16	-20	-24	32	-4
1	12	-30	-28	-17	-20	-23	34	1
2	12	-29	-26	-17	-12	-21	36	*
6	12	-28	-27	-16	-4	-22	32	14
6	14	-28	-26	-18	-2	-20	35	16
7	15	-29	-27	-18	-1	-21	42	26
8	15	-28	-27	-16	-7	-19	41	14
8	16	-27	-27	-17	-6	-18	38	8
11	19	-26	-27	-17	0	-5	44	26
14	19	-26	-26	-17	4	-10	53	32
17	21	-24	-27	-18	1	-8	59	38
15	21	-26	-26	-19	-0	-8	49	32
14	22	-24	-27	-17	-1	-8	45	27

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4 ROT RUD UT IN T DE
46	14	56	15	14	24	-24	-16	
47	15	16	15	14	25	-25	-26	-
48	15	36	15	14	25	-24	-27	-
49	15	55	15	14	25	-24	-27	-
50	16	15	16	14	25	-23	-26	-
51	16	35	17	14	27	-24	-27	-
52	16	54	17	14	26	-22	-26	-
53	17	14	18	14	27	-23	-27	-
54	17	38	5	17	31	-19	-26	-
55	17	58	2	18	32	-18	-26	-
56	18	18	10	18	32	-19	-27	-
57	18	38	14	18	32	-18	-25	-
58	18	57	18	18	30	-17	-27	-
59	19	17	19	18	32	-16	-27	-
60	19	37	21	18	32	-16	-25	-
61	19	57	22	18	32	-16	-26	-
62	20	16	23	19	32	-16	-26	-
63	20	36	24	20	33	-15	-27	-
64	20	56	25	22	31	-15	-26	-
65	21	15	27	24	30	-14	-26	-
66	21	35	27	26	32	-14	-25	-
67	21	55	28	25	31	-14	-26	-
68	22	14	29	24	32	-13	-26	-
69	22	34	28	25	34	-13	-26	-
70	22	54	29	24	35	-12	-25	-
71	23	13	29	25	36	-11	-26	-
72	23	33	29	26	37	-12	-25	-
73	23	53	25	27	38	-11	-26	-
74	24	12	24	27	39	-11	-24	-
75	24	32	26	25	37	-10	-26	-
76	24	52	27	24	36	-10	-25	-
77	25	11	27	24	35	-10	-25	-
78	25	31	26	24	35	-9	-24	-
79	25	50	27	23	36	-9	-25	-
80	26	10	28	23	35	-8	-23	-
81	26	30	27	22	34	-8	-24	-
82	26	49	26	22	34	-8	-25	-
83	27	9	25	20	34	-8	-25	-
84	26	49	24	23	33	-8	-26	-
85	27	48	25	24	31	-8	-24	-
86	28	8	24	28	31	-8	-25	-
87	28	27	25	24	31	-8	-24	-
88	28	47	23	23	31	-7	-24	-
89	29	7	23	22	32	-7	-25	-
90	29	26	24	22	32	-6	-24	-
91	29	46	24	21	32	-6	-24	-
92	30	6	22	20	33	-7	-23	-
93	30	25	25	20	32	-7	-23	-
94	30	45	22	19	32	-6	-23	-
95	31	5	25	19	31	-6	-22	-

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
14	24	-24	-16	*	*	*	*	*
14	25	-25	-26	-17	-0	-6	44	11
14	25	-24	-27	-18	-1	-6	45	10
14	25	-24	-27	-17	-0	-4	44	9
14	26	-23	-26	-17	0	-3	44	9
14	27	-24	-27	-16	-1	-3	45	10
14	26	-22	-26	-18	0	-2	45	19
14	27	-23	-27	-17	0	-2	45	27
17	31	-19	-26	-17	5	2	47	28
18	32	-18	-26	-16	5	3	48	28
18	32	-19	-27	-15	5	4	46	27
18	32	-18	-25	-16	6	4	48	27
16	30	-17	-27	-16	6	5	47	27
16	32	-16	-27	-16	6	5	46	26
18	32	-16	-25	-15	7	6	48	27
18	32	-16	-26	-15	8	6	48	26
19	32	-16	-26	-16	8	6	48	26
20	33	-15	-27	-16	8	15	51	29
22	31	-15	-26	-16	14	13	59	35
24	30	-14	-26	-16	17	11	61	37
26	32	-14	-25	-16	18	11	66	41
25	31	-14	-26	-16	11	10	59	38
24	32	-13	-26	-16	11	10	55	31
25	34	-13	-26	-15	11	11	54	29
24	35	-12	-25	-17	11	11	54	27
25	36	-11	-26	-16	10	11	52	28
26	37	-12	-25	-14	11	12	52	31
27	38	-11	-26	-15	10	12	54	29
27	39	-11	-24	-16	9	12	53	30
25	37	-10	-26	-17	10	11	53	29
24	36	-10	-25	-17	9	11	52	32
24	35	-10	-25	-17	8	10	52	30
24	35	-9	-24	-18	7	11	51	31
23	36	-9	-25	-19	7	10	51	29
23	35	-9	-23	-10	7	9	51	31
22	34	-8	-24	-20	5	10	51	31
22	34	-8	-25	-20	5	9	50	32
20	34	-8	-25	-21	4	9	50	32
23	33	-6	-26	-20	9	17	56	33
24	31	-8	-24	-22	13	12	63	38
26	31	-8	-25	-22	9	12	61	41
24	31	-8	-24	-23	6	11	54	34
23	31	-7	-24	-23	6	9	51	31
22	32	-7	-25	-22	4	9	50	28
22	32	-6	-24	-22	4	9	51	25
21	32	-6	-24	-22	5	8	50	24
20	33	-7	-23	-22	4	9	49	23
20	32	-7	-23	-23	4	9	49	22
19	32	-6	-23	-22	4	9	48	22
19	31	-6	-22	-21	4	9	49	21

4-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4 ROT RUD UT IN T DE
96	31	24	24	19	31	-6	-22	-
97	31	44	24	19	31	-6	-23	-
98	32	4	24	19	31	-4	-22	-
99	32	23	*	18	31	-4	-22	-
100	32	43	24	18	32	-5	-22	-
101	33	3	26	18	31	-3	-21	-
102	33	22	25	17	29	-4	-21	-
103	33	42	25	17	29	-4	-21	-
104	34	2	25	17	29	-4	-20	-
105	34	21	25	17	30	-3	-21	-
106	34	41	26	17	31	-3	-20	-
107	35	1	25	17	30	-3	-20	-
108	35	20	27	17	30	-2	-20	-
109	35	40	25	17	30	-3	-20	-
110	36	0	28	17	30	-2	-20	-
111	36	20	27	17	30	-0	-20	-
112	36	39	28	17	31	-1	-18	-
113	*	*	27	17	30	-0	-18	-
114	37	19	27	18	29	-1	-19	-
115	37	38	26	17	29	-1	-19	-
116	37	58	27	16	29	-0	-18	-
117	38	18	28	15	29	-1	-20	-
118	*	*	29	15	28	-0	-20	-
119	38	57	29	15	28	-1	-20	-
120	39	17	27	14	28	0	-18	-
121	39	36	25	14	27	0	-19	-
122	39	56	25	14	26	0	-19	-
123	40	16	28	14	27	0	-19	-
124	40	35	25	14	25	1	-19	-
125	40	55	25	13	26	0	-19	-
126	41	15	26	12	26	0	-19	-
127	41	34	27	12	26	0	-19	-
128	41	54	27	12	26	0	-19	-
129	42	14	*	12	26	0	-20	-
130	42	33	27	13	25	1	-20	-
131	42	53	27	12	26	0	-19	-
132	43	13	28	12	25	1	-18	-
133	43	32	29	12	26	1	-18	-
134	*	*	29	13	27	1	-18	-
135	44	12	25	12	25	1	-18	-
136	44	31	25	12	26	1	-16	-
137	44	51	26	12	26	2	-18	-
138	45	11	28	12	26	2	-16	-
139	45	30	29	13	25	2	-18	-
140	45	50	29	12	25	2	-17	-
141	46	10	29	12	26	2	-16	-
142	46	30	28	12	26	2	-17	-
143	46	49	26	12	25	2	-17	-
144	47	9	28	12	25	1	-17	-
145	47	29	28	13	25	2	-16	-

4-17	4-18	4-19	4-20	4-21	4-22	4-23	4-24	4-25
T ..	UTIL.	UTIL	ROTARY	ROTARY	WINCH	WINCH	UTIL.	UTIL.
P 4P	PUMP	AFCS 2	RUDDER	RUDDER	PUMP	PUMP	HEAT	HEAT
NL ET	OUTLET	(PITCH	1STAGE	UTIL.	SERVO	OUTLET	EXCH.	EXCH.
H).	HYD.	/ ROLL	INLET	INLET	INLET	TEMP	INLET	OUTLET
T 4P	TEMP	CHAN)	TEMP	TEMP	HYD.	HYD.	HYD.	HYD.
EC .C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
9	31	-6	-22	-22	4	9	49	21
9	31	-6	-23	-21	4	8	47	19
9	31	-4	-22	-22	5	9	48	16
8	31	-4	-22	-21	4	9	47	19
8	32	-5	-22	-20	4	9	47	16
9	31	-3	-21	-20	4	9	46	16
7	29	-4	-21	-21	4	9	46	17
7	29	-4	-21	-19	4	9	46	16
7	29	-4	-20	-21	5	9	-9	15
7	30	-3	-21	-19	5	9	47	15
7	31	-3	-20	-20	5	9	46	15
7	30	-3	-20	-19	5	9	46	16
7	30	-2	-20	-19	5	9	46	15
7	30	-3	-20	-18	5	10	46	17
7	30	-2	-20	-19	5	9	46	16
7	30	-0	-20	-18	7	9	47	17
7	31	-1	-18	-18	6	10	45	18
7	30	-0	-18	-17	6	11	47	24
8	29	-1	-19	-19	6	9	46	28
7	29	-1	-19	-18	5	9	45	21
6	29	-0	-18	-18	6	8	46	23
7	29	-1	-20	-19	6	7	46	17
5	28	-0	-20	-20	5	7	45	17
5	28	-1	-20	-20	4	6	45	25
4	28	0	-18	-20	5	6	45	14
4	27	0	-19	-20	4	5	45	14
4	26	0	-19	-19	4	6	45	15
4	27	0	-19	-21	5	5	44	12
4	26	1	-19	-19	4	5	17	*
3	26	0	-19	-20	3	4	44	11
2	26	0	-19	-19	3	4	44	14
2	26	0	-19	-18	3	3	44	11
2	26	0	-19	-19	2	3	43	14
2	26	0	-20	-19	4	3	44	13
3	25	1	-20	-19	3	2	44	15
2	26	0	-19	-20	2	2	44	15
.2	25	1	-18	-18	2	2	44	15
.2	26	1	-18	-18	3	1	44	12
3	27	1	-18	-18	2	2	43	15
2	26	1	-18	-19	2	2	44	16
2	26	1	-16	-18	3	2	44	19
2	26	2	-16	-17	3	3	44	17
.2	26	2	-16	-17	3	2	44	16
3	25	2	-18	-16	3	2	44	14
2	25	2	-17	-17	3	2	44	15
2	26	2	-16	-16	3	2	44	15
2	26	2	-17	-16	3	2	44	16
2	25	2	-17	-16	4	2	44	17
2	25	1	-17	-16	3	2	44	17
3	25	2	-16	-15	4	2	44	17

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
146	47	49	29	12	26	2	-16
147	48	9	29	13	26	2	-16
148	48	30	29	12	26	2	-15
149	48	50	29	13	25	3	-15
150	49	10	28	12	26	2	-15
151	49	30	31	12	27	2	-14
152	49	50	29	13	27	2	-12
153	50	10	27	13	27	4	-14
154	50	29	27	14	28	3	-11
155	50	49	29	14	28	2	-13
156	51	9	29	14	27	4	-12
157	51	29	27	14	28	4	-13
158	51	49	31	14	28	4	-11
159	52	8	30	15	28	4	-11
160	52	28	31	14	29	4	-12
161	52	48	28	15	29	4	-11
162	53	8	30	15	29	4	-10
163	53	28	29	15	28	5	-10
164	53	49	31	15	29	4	-10
165	54	11	30	15	29	4	-10
166	54	30	29	14	29	4	-10
167	54	52	29	8	21	5	-10
168	55	12	31	8	19	5	-9
169	55	32	30	8	18	4	-10
170	55	51	31	8	21	5	-9
171	56	12	30	9	22	6	-10
172	56	32	32	9	22	5	-10
173	56	52	33	11	23	6	-10
174	57	14	33	11	24	6	-9
175	*	*	34	12	27	5	-8
176	57	55	29	16	25	6	-9
177	58	15	28	19	27	6	-6
178	58	35	26	19	*	*	-7
179	58	57	25	22	29	7	-7
180	59	17	25	25	29	8	-8
181	59	38	61	23	29	7	-6
182	59	58	23	23	32	8	-6

-17 IL. UMP LET YD. EMP G.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
12	26	2	-16	-15	4	3	45	17
13	26	2	-16	-16	4	3	44	17
12	26	2	-15	-15	4	2	45	17
13	25	3	-15	-15	4	3	44	21
12	26	2	-15	-14	4	3	44	19
12	27	2	-14	-15	4	4	46	17
13	27	2	-12	-14	4	4	45	22
13	27	4	-14	-13	4	4	45	18
14	28	3	-11	-12	5	6	45	19
14	28	2	-13	-12	5	5	46	24
14	27	4	-12	-12	5	7	47	25
14	28	4	-13	-11	5	7	46	28
14	28	4	-11	-10	5	7	45	24
15	28	4	-11	-12	5	7	45	24
14	29	4	-12	-11	7	8	46	27
15	29	4	-11	-10	6	8	46	28
15	29	4	-10	-9	7	8	46	26
15	28	5	-10	-10	6	8	46	25
15	29	4	-10	-9	7	9	46	24
15	29	4	-10	-10	7	9	46	26
14	29	4	-10	-9	7	14	45	24
8	21	5	-10	-9	8	11	46	24
8	19	5	-9	-9	8	11	45	23
8	18	4	-10	-8	8	11	43	25
8	21	5	-9	-8	7	12	42	25
9	22	6	-10	-8	8	11	42	25
9	22	5	-10	-10	8	11	42	24
11	23	5	-10	-8	10	11	42	22
11	24	6	-9	-9	9	12	43	27
12	27	5	-8	-7	9	13	44	28
16	26	6	-8	-6	11	22	47	29
19	27	6	-6	-7	15	18	54	34
19	*	*	-7	-6	11	16	49	34
22	29	7	-7	-6	16	21	56	34
25	29	8	-8	-4	15	21	61	39
23	24	7	-6	-4	15	19	55	37
23	32	8	-6	-4	15	20	53	36

MH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
1	0	8	-32	-31	-30	-32	-31
2	0	28	-32	-31	-31	-32	-31
3	0	48	-31	-32	-30	-31	-31
4	1	8	-31	-32	-30	-32	-31
5	1	28	-32	-31	-31	-31	-32
6	1	48	-32	-32	-31	-31	-32
7	2	8	-32	-32	*	*	*
8	2	28	-32	-31	-30	-32	-31
9	2	48	-32	-32	-30	-31	-32
10	3	8	-31	-32	-29	-31	-30
11	3	27	-32	-32	-30	-30	-31
12	3	47	-32	-32	-31	-30	-32
13	4	7	-31	-32	-30	-32	-31
14	4	27	-32	-31	-31	-32	*
15	4	47	-31	-32	-30	-32	-32
16	5	7	-32	-32	-30	-31	-31
17	5	26	-32	-31	-31	-31	-32
18	5	46	-32	-31	-30	-31	-31
19	6	6	-31	-31	-30	-30	-30
20	6	26	-32	-31	-29	-32	-31
21	6	45	-32	-30	-30	*	*
22	7	5	-30	-32	-30	-32	-31
23	7	25	-31	-32	-30	-31	-31
24	*	*	-32	-32	-32	-31	-32
25	8	5	-32	-31	-31	-31	-31
26	*	22	-31	-32	-30	-32	-31
27	8	44	-32	-32	-31	-32	-31
28	9	4	*	*	*	-31	-31
29	9	23	-31	-32	-30	-32	-32
30	9	43	-31	-31	-30	-32	-32
31	10	3	-32	-31	-30	-31	-30
32	10	23	-32	-32	-30	-32	-31
33	10	42	-32	-31	-30	-30	-32
34	11	2	-32	-32	-30	-31	-32
35	11	22	-32	-32	-31	-31	-32
36	11	41	-31	-30	-29	-32	-31
37	12	1	-31	-28	-27	-32	-32
38	*	*	-31	-27	-28	-30	-32
39	12	40	-32	-27	-28	-30	-32
40	13	0	-31	-28	-27	-32	-31
41	13	20	-31	-27	-28	-32	-31
42	13	40	-31	-24	-24	-32	-32
43	13	59	-31	-20	-22	-32	-31
44	14	19	-30	-20	-20	-31	-31
45	14	39	-31	-21	-21	-31	-31

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CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-06	S-07	S-08	S-09	S-10	S-11	S-12	S-13	S-14
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
LER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
LET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
-31	-30	-32	-31	-32	-32	-31	-32	-30
-31	-31	-32	-31	-32	-31	-32	-32	-31
-32	-30	-31	-31	-32	-31	-32	-32	-30
-32	-30	-32	-31	-32	-30	-32	-32	-31
-31	-31	-31	-32	-32	-31	-31	-32	-30
-32	-31	-31	-32	-31	-32	-31	-32	-30
-32	*	*	*	*	*	-31	-33	-30
-31	-30	-32	-31	-32	-31	-32	-32	-31
-32	-30	-31	-32	-32	-31	-32	-32	-31
-32	-29	-31	-30	-32	-31	-31	-31	-30
-32	-30	-30	-31	-31	-31	-32	-31	-31
-32	-31	-30	-32	-31	-31	-31	-32	-30
-32	-30	-32	-31	-32	-30	-31	-31	-30
-31	-31	-32	*	*	*	*	*	-30
-32	-30	-32	-32	-32	-30	-31	-31	-29
-32	-30	-31	-31	-32	-31	-31	-32	-31
-31	-31	-31	-32	-32	-31	-32	-32	-31
-31	-30	-31	-31	-32	-30	-31	-31	-30
-31	-30	-30	-30	-32	-31	-32	-32	-31
-31	-29	-32	-31	-32	-31	-31	-32	-30
-30	-30	*	*	*	*	*	-31	-30
-32	-30	-32	-31	-32	-31	-32	-32	-30
-32	-30	-31	-31	-32	-31	-31	-32	-30
-32	-32	-31	-32	-31	-31	-32	-31	-30
-31	-31	-31	-31	-32	-32	-31	-32	-30
-32	-30	-32	-31	-32	-31	-32	-30	-30
-32	-31	-32	-31	-31	-32	-31	-32	-30
*	*	-31	-31	-32	-31	-32	-31	-30
-32	-30	-32	-32	-31	-32	-30	-32	-30
-31	-30	-32	-32	-31	-31	-32	-31	-30
-31	-30	-31	-30	-32	-31	-31	-31	-30
-32	-30	-32	-31	-31	-31	-31	-32	-31
-31	-30	-30	-32	-32	-32	-30	-31	-30
-32	-30	-31	-32	-32	-30	-32	-30	-30
-32	-31	-31	-32	-31	-31	-31	-32	-29
-30	-29	-32	-31	-32	-32	-31	-29	-31
-28	-27	-32	-32	-32	-32	-32	-24	-26
-27	-28	-30	-32	-33	-31	-31	-21	-24
-27	-28	-30	-32	*	*	*	*	-22
-28	-27	-32	-31	-31	-32	-31	-21	-23
-27	-28	-32	-31	-32	-30	-30	-21	-22
-24	-24	-32	-32	-31	-31	-31	-21	-22
-20	-22	-32	-31	-32	-31	-31	-22	-22
-20	-20	-31	-31	-31	-31	-30	-23	-23
-21	-21	-31	-31	-31	-31	-32	-22	-24

-01 SHEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	E N. CC I D
43	14	58	-32	-21	-22	-31	-31	
47	15	18	-30	-22	-22	-31	-32	
48	*	36	-32	-22	-22	-31	-31	
49	15	57	-32	-24	-22	-31	-30	
50	*	*	*	*	-22	-31	-31	
51	16	37	-31	-23	-23	-31	-32	
52	16	56	-30	-24	-22	-31	-32	
53	17	16	-32	-24	-24	-30	-31	
54	17	40	-31	-24	-25	-31	-31	
55	18	0	-31	-24	-26	-32	-31	
56	*	*	-31	-24	-25	-31	-31	
57	*	38	-30	-24	-26	-31	-31	
58	18	59	-30	-24	-26	-31	-31	
59	19	19	-31	-24	-26	-31	-31	
60	19	39	-30	-24	-26	-31	-30	
61	19	59	-31	-24	-26	-31	-30	
62	20	18	-31	-24	-26	-31	-31	
63	20	38	-31	-24	-25	-30	-31	
64	20	58	-31	-22	-24	-30	-31	
65	21	17	-30	-15	-14	-30	-31	
66	21	37	-26	-5	-5	-31	-31	
67	*	*	-24	0	0	-30	-27	
68	22	16	-14	6	5	-30	-22	
69	22	36	-6	10	9	-30	-19	
70	22	56	0	15	13	-30	-16	
71	23	15	4	18	18	-30	-11	
72	23	35	8	22	21	-28	-8	
73	23	55	11	24	23	-28	-6	
74	24	14	14	28	27	-28	-3	
75	24	34	17	30	29	-29	-1	
76	24	54	21	35	33	-29	3	
77	25	13	27	40	39	-28	16	
78	25	33	32	46	45	-27	27	
79	25	53	35	54	51	-28	38	
80	26	12	41	57	55	-27	48	
81	26	32	47	62	58	-28	55	
82	26	51	51	64	*	*	*	
83	27	11	54	68	63	-28	64	
84	27	31	58	71	63	-28	65	
85	27	50	60	73	63	-27	65	
86	28	10	61	75	60	-27	65	
87	28	30	59	75	63	-27	67	
88	28	49	60	76	62	-27	68	
89	29	9	61	78	62	-26	69	
90	29	28	62	77	62	-26	70	
91	29	48	61	77	62	-26	67	
92	30	8	61	75	61	-26	68	
93	30	27	61	76	60	-26	68	
94	30	47	60	75	60	-26	66	
95	*	*	*	*	62	-26	69	

S-06 ENG.1 OIL COOLER INLET OIL DEG.C	S-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	S-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	S-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	S-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	S-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	S-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	S-13 ENG.2 OIL COOLER INLET OIL DEG.C	S-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
-21	-22	-31	-31	-31	-30	-32	-22	-24
-22	-22	-31	-32	-32	-31	-32	-22	-24
-22	-22	-31	-31	-32	-31	-31	-23	-24
-24	-22	-31	-30	-32	-32	-32	-22	-24
*	-22	-31	-31	-32	-31	-32	-23	-25
-23	-23	-31	-32	-32	-31	-31	-23	-25
-24	-22	-31	-32	-31	-30	-31	-22	-26
-24	-24	-30	-31	-31	-30	-31	-23	-25
-24	-25	-31	-31	-32	-31	-23	*	*
-24	-26	-32	-31	-30	-31	-31	-24	-28
-24	-25	-31	-31	-32	-32	-31	-23	-27
-24	-26	-31	-31	-31	-30	-32	-24	-28
-24	-26	-31	-31	-32	-31	-32	-23	-27
-24	-26	-31	-31	-31	-31	-30	-24	-27
24	-26	-31	-30	-31	-31	-32	-24	-27
-24	-26	-31	-30	-31	-30	-31	-24	-27
24	-26	-31	-31	-32	-31	-32	-23	-27
-24	-26	-30	-31	-30	-30	-32	-22	-26
-22	-24	-30	-31	-30	-30	-30	-24	-27
-15	-14	-30	-31	-32	-31	-31	-23	-26
-5	-5	-31	-31	-31	-30	-32	-23	-27
0	0	-30	-27	-29	-30	-31	-24	-28
6	5	-30	-22	-24	-31	-31	-23	-27
10	9	-30	-19	-21	-30	-30	-24	-27
15	13	-30	-16	-18	-31	-30	-22	-27
18	18	-30	-11	-16	-31	-31	-23	-27
22	21	-28	-8	-13	-31	-30	-23	-27
24	23	-28	-6	-10	-30	-30	-23	-27
28	27	-28	-3	-8	-31	-30	-24	-27
30	29	-29	-1	-5	-31	-30	-23	-27
35	33	-29	3	1	-30	-32	-23	-27
40	39	-28	16	13	-31	-32	-23	-27
46	45	-27	27	25	-30	*	*	*
54	51	-28	38	37	-30	-30	-23	-27
57	55	-27	48	48	-30	-30	-23	-26
62	58	-28	55	55	-30	-30	-25	-28
64	*	*	*	61	-30	-30	-24	-27
68	63	-28	64	66	-31	-30	-24	-26
71	63	-28	65	72	-31	-30	-22	-26
73	63	-27	65	75	-30	-31	-18	-22
75	60	-27	65	78	-30	-30	-8	-10
75	63	-27	67	81	-16	-1?	0	-2
76	62	-27	68	83	0	-7	7	4
78	62	-26	69	86	8	1	12	9
77	62	-26	70	87	16	10	17	15
77	62	-26	67	88	28	22	23	22
75	61	-26	68	86	39	34	30	29
76	60	-26	68	87	48	44	34	33
75	60	-26	66	86	59	54	41	39
*	62	-26	69	85	61	61	46	44

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
96	31	26	61	74	61	-24	67
97	31	46	60	74	59	-23	66
98	32	6	60	75	61	-23	66
99	32	25	59	76	61	-23	66
100	32	45	60	76	59	-24	66
101	33	5	59	76	60	-24	66
102	33	24	59	75	61	-24	67
103	33	44	59	76	62	-24	69
104	34	4	59	76	60	-24	67
105	34	23	60	76	59	-24	66
106	34	43	60	75	60	-24	66
107	35	3	60	75	59	-25	65
108	35	23	60	75	59	-24	65
109	*	*	59	75	62	-24	66
110	36	2	59	75	60	-25	67
111	36	22	59	75	60	-24	67
112	36	41	59	75	60	-25	67
113	37	1	59	76	61	-26	69
114	*	*	59	77	59	-26	68
115	37	40	59	77	59	-26	68
116	38	0	59	78	60	-26	67
117	38	20	59	78	60	-26	69
118	38	39	59	80	59	-27	69
119	*	*	59	81	60	-27	71
120	39	19	60	82	59	-26	71
121	39	38	59	81	59	-26	71
122	39	58	59	81	59	-27	71
123	40	18	59	81	59	-27	73
124	40	37	59	82	59	-26	71
125	40	57	59	81	59	-27	70
126	41	17	58	82	59	-26	71
127	41	36	59	82	59	-26	72
128	41	56	59	83	59	-26	72
129	42	16	59	83	59	-26	73
130	42	35	59	83	60	-26	73
131	42	55	59	84	61	-28	73
132	43	15	59	83	60	-26	72
133	43	34	59	83	59	-24	73
134	43	54	59	83	59	-27	73
135	*	*	59	83	59	-26	73
136	44	33	59	82	59	-26	72
137	44	53	59	83	60	-26	73
138	45	13	59	83	59	-27	72
139	45	32	59	83	59	-26	72
140	45	52	59	82	60	-26	72
141	46	12	59	*	*	*	*
142	46	32	59	82	59	-26	72
143	46	51	59	83	59	-26	73
144	47	11	59	83	59	-26	72
145	47	31	59	83	59	-24	72

-06 G.1 OIL LER LET OIL G.C	S-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	S-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	S-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	S-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	S-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	S-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	S-13 ENG.2 OIL COOLER INLET OIL DEG.C	S-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
74	61	-24	67	85	58	67	50	49
74	59	-23	66	86	56	69	54	52
75	61	-23	66	85	55	70	56	54
76	61	-23	66	85	56	73	60	56
76	59	-24	66	85	56	75	62	59
76	60	-24	66	86	56	75	69	61
75	61	-24	67	85	55	76	66	63
76	62	-24	69	86	55	77	69	65
76	60	-24	67	86	56	78	71	86
78	59	-24	66	87	56	78	72	66
75	60	-24	66	88	56	77	74	68
75	59	-25	65	87	55	78	74	68
75	59	-24	65	86	56	78	76	69
75	62	-24	66	86	56	78	76	69
75	60	-25	67	86	55	79	78	70
75	60	-24	67	87	56	79	78	71
75	60	-25	67	88	56	79	78	71
76	61	-26	69	88	56	79	79	71
77	59	-26	68	89	56	82	82	72
77	59	-26	68	89	56	82	82	72
78	60	-26	67	91	57	82	83	73
78	60	-26	69	91	56	84	85	73
80	59	-27	69	92	57	85	86	73
81	60	-27	71	92	59	85	86	72
82	59	-26	71	93	60	88	88	72
81	59	-26	71	96	60	86	87	72
81	59	-27	71	95	59	86	88	72
81	59	-27	73	95	60	88	88	72
82	59	-26	71	96	61	88	88	71
81	59	-27	70	95	61	88	88	71
82	59	-26	71	96	61	89	89	71
82	59	-26	72	96	61	90	89	71
83	59	-26	72	98	61	92	89	71
83	59	-26	73	99	62	92	89	71
83	60	-26	73	99	62	92	*	70
84	61	-28	73	99	62	92	89	70
83	60	-26	72	99	63	92	89	71
83	59	-24	73	99	63	92	89	71
83	59	-27	73	99	63	93	88	71
83	59	-26	73	99	62	92	89	70
82	59	-26	72	99	63	92	88	70
83	60	-26	73	99	62	92	89	71
83	59	-27	72	99	63	92	88	70
83	59	-26	72	98	63	91	89	70
82	60	-26	72	98	63	92	89	70
*	*	*	*	98	62	91	88	70
82	59	-26	72	98	62	91	89	69
83	59	-26	73	98	64	91	88	70
83	59	-26	72	98	63	93	89	69
83	59	-24	72	100	63	91	88	70

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5- EN N.G COO IN DE
146	47	51	59	81	59	-25	72	
147	48	12	58	81	60	-25	72	
148	*	*	58	81	59	-25	72	
149	48	53	59	81	59	-21	72	
150	49	12	59	81	60	-22	71	
151	49	32	59	78	58	-23	70	
152	49	52	58	78	59	-22	70	
153	50	12	58	76	59	-22	68	
154	50	32	58	76	58	-22	68	
155	50	51	59	75	59	-22	68	
156	51	11	57	75	58	-22	67	
157	51	31	58	74	56	-23	65	
158	51	51	56	72	55	-22	64	
159	52	11	57	70	55	-21	61	
160	52	30	56	71	58	-22	63	
161	52	50	56	73	56	-23	63	
162	53	11	56	75	59	-24	66	
163	53	32	57	75	58	-24	65	
164	53	53	57	75	59	-24	66	
165	54	13	56	74	59	-24	65	
166	54	34	56	73	58	-23	65	
167	54	54	57	74	59	-23	65	
168	55	14	56	74	58	-22	65	
169	55	34	57	74	59	-23	65	
170	55	54	57	73	58	-23	65	
171	56	14	58	74	59	-22	65	
172	56	35	58	72	64	-22	72	
173	56	56	57	68	63	-21	71	
174	57	17	59	66	63	-21	68	
175	57	37	58	65	62	-20	66	
176	57	57	59	61	58	-20	63	
177	58	18	58	65	53	-20	61	
178	58	39	57	63	56	-20	59	
179	58	59	58	*	57	-20	56	
180	59	20	57	60	56	-20	56	
181	59	41	58	59	56	-20	54	
182	60	0	57	58	56	-20	54	

5-06 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
81	59	-25	72	98	62	90	87	69
81	60	-25	72	96	63	90	88	70
81	59	-25	72	96	62	89	86	70
81	59	-21	72	96	61	*	86	69
81	60	-22	71	96	62	89	85	69
78	58	-23	70	94	61	88	83	68
78	59	-22	70	93	60	86	82	69
76	59	-22	68	92	59	85	82	69
76	58	-22	68	91	59	83	82	67
75	59	-22	68	91	59	84	82	69
75	58	-22	67	90	59	84	81	68
74	56	-23	65	88	58	83	82	68
72	55	-22	64	83	58	83	82	69
70	55	-21	61	79	58	83	82	69
71	58	-22	63	79	59	82	82	68
73	56	-23	63	81	56	76	80	66
75	59	-24	66	85	54	71	78	68
75	58	-24	65	84	54	69	78	67
75	59	-24	66	85	55	68	77	70
74	59	-24	65	85	54	72	78	70
73	58	-23	69	86	54	75	80	69
74	59	-23	65	86	55	75	80	70
74	58	-22	65	86	56	76	80	69
74	59	-23	65	85	55	77	81	70
73	58	-23	65	86	55	78	81	70
74	59	-22	65	85	55	79	81	70
72	64	-22	72	83	62	76	79	73
68	63	-21	71	81	61	73	75	72
66	63	-21	68	79	58	72	73	70
65	62	-20	66	78	57	71	72	71
61	58	-20	63	78	55	70	70	71
65	53	-20	61	76	54	69	69	70
63	56	-20	59	75	52	69	65	69
*	57	-20	56	75	52	67	72	67
60	56	-20	56	74	51	66	71	64
59	56	-20	54	73	50	66	68	67
58	56	-20	54	73	48	65	65	65

HH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-15 ACCESS GEAR BOX OIL TEMP DEG.C	S-16 MAIN G.BOX COOLER INLET OIL DEG.C	S-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	S-18 INTER. GEAR BOX OIL TEMP DEG.C	S-19 TAIL GEAR BOX OIL TEMP DEG.C	S- GEN MA TE DEG
1	0	8	-30	-32	-32	-31	-30	-3
2	0	28	-30	-31	-31	-31	-30	-3
3	0	48	-30	-31	-31	-31	-30	-3
4	1	8	-30	-31	-31	-32	-30	-3
5	1	28	-30	-31	-32	-31	-30	-3
6	1	48	-30	-31	-32	-32	-30	-3
7	2	8	-30	-31	-31	-31	-30	-3
8	2	28	-30	-31	-32	-31	-30	-3
9	2	48	-30	-31	-32	-31	-30	-3
10	3	8	-29	-31	-31	-30	-30	-3
11	3	27	-28	-31	-30	-31	-30	-3
12	3	47	-25	-31	-32	-32	-30	-3
13	4	7	-22	-31	-32	-32	-30	-3
14	4	27	-19	-32	-31	-31	-30	-2
15	4	47	-16	-31	-32	-32	-30	-2
16	5	7	-14	-32	-32	-32	-30	-2
17	5	26	-14	-31	-31	-32	-30	-2
18	5	46	-12	-31	-32	-32	-30	-2
19	6	6	-6	-32	-32	-32	-30	-2
20	6	26	-4	-31	-31	-31	-30	-2
21	6	45	-2	-31	-31	-32	-30	-2
22	7	5	1	-31	-31	-32	-30	-2
23	7	25	3	-31	-31	-32	-30	-2
24	*	*	5	-31	-31	-31	-30	-2
25	8	5	6	-31	-31	-31	-30	-2
26	*	22	6	-31	-31	-32	-30	-1
27	8	44	7	-31	-32	-32	-30	-1
28	9	4	9	-31	-31	-32	-30	-1
29	9	23	11	-31	-32	-31	-30	-1
30	9	43	14	-31	-32	-32	-30	-1
31	10	3	15	-32	-32	-32	-30	-1
32	10	23	17	-30	-32	-32	-30	
33	10	42	17	-31	-32	-31	-30	-1
34	11	2	18	-31	-31	-32	-30	-1
35	11	22	19	-31	-31	-32	-30	-1
36	11	41	21	-31	-32	-32	-30	-1
37	12	1	22	-31	-32	-31	-30	-
38	*	*	24	-32	-32	-32	-30	-
39	12	40	25	-32	-32	-32	-30	-
40	13	0	25	-31	-31	-32	-30	-
41	13	20	27	-32	-31	-32	-30	-
42	13	40	28	-31	-31	-32	-29	-
43	14	59	28	-31	-31	-32	-31	-
44	14	19	29	-30	-32	-32	-30	-
45	14	39	29	-32	-32	-32	-31	-

HH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-16 AIN BOX LER LET OIL G.C	S-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	S-18 INTER. GEAR BOX OIL TEMP DEG.C	S-19 TAIL GEAR BOX OIL TEMP DEG.C	S-20 GEN.1 MASS TEMP DEG.C	S-21 FUEL TEMP. TO COMBST HEATER DEG.C	S-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	S-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	S-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
-32	-32	-31	-30	-31	-30	-32	-31	-32
-31	-31	-31	-30	-31	-30	-32	-32	-31
-31	-31	-31	-30	-31	-31	-31	-32	-32
-31	-31	-32	-30	-31	-31	-32	-31	-32
-31	-32	-31	-30	-31	-30	-30	-31	-31
-31	-32	-32	-30	-31	-31	-31	-32	-32
-31	-31	-31	-30	-31	-31	-31	-32	-32
-31	-32	-31	-30	-31	-30	-31	-31	-31
-31	-32	-31	-30	-30	-30	-31	-32	-31
-31	-31	-30	-30	-29	-30	-31	-32	-31
-31	-30	-31	-30	-30	-30	-31	-31	-31
-31	-32	-32	-30	-30	-30	-32	-31	-32
-31	-32	-32	-30	-30	-30	-32	-32	-31
-32	-31	-31	-30	-28	-30	-32	-31	-32
-31	-32	-32	-30	-29	-28	-32	-31	-31
-32	-32	-32	-30	-29	-30	-32	-32	-32
-31	-31	-32	-30	-28	-29	-32	-32	-31
-31	-32	-32	-30	-27	-29	-31	-32	-31
-32	-32	-32	-30	-26	-28	-32	-31	-32
-31	-31	-31	-30	-25	-27	-32	-31	-31
-31	-31	-32	-30	-24	-28	-31	-31	-31
-31	-31	-32	-30	-24	-29	-31	-31	-31
-31	-31	-32	-30	-23	-28	-31	-32	-31
-31	-31	-31	-30	-22	-28	-32	-32	-31
-31	-31	-31	-30	-21	-28	-32	-31	-31
-31	-31	-32	-30	-19	-27	-32	-31	-30
-31	-32	-32	-30	-18	-26	-32	-31	-31
-31	-31	-32	-30	-15	-27	-32	-31	-30
-31	-32	-31	-30	-16	-27	-32	-31	-30
-31	-32	-32	-30	-17	-27	-32	-30	-30
-32	-32	-32	-30	-14	-26	-31	-31	-30
-30	-32	-32	-30	*	*	*	*	*
-31	-32	-31	-30	-14	-26	-31	-31	-29
-31	-31	-32	-30	-12	-25	-31	-30	-29
-31	-31	-32	-30	-10	-26	-31	-31	-30
-31	-32	-32	-30	-11	-26	-31	-30	-30
-31	-32	-31	-30	-9	-26	-32	-31	-28
-32	-32	-32	-30	-6	-25	-32	-31	-29
-32	-32	-32	-30	-7	-24	-31	-30	-28
-31	-31	-32	-30	-6	-25	-31	-30	-29
-32	-31	-32	-30	-5	-24	-31	-30	-28
-31	-31	-32	-29	-5	-24	-31	-31	-28
-31	-31	-32	-31	-4	*	*	*	*
-30	-32	-32	-30	-2	-24	-31	-30	-28
-32	-32	-32	-31	-3	-24	-31	-30	-28

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5- GE MA TE DE
46	14	58	30	-31	-31	-32	-30	
47	15	18	31	-31	-31	-32	-31	
48	*	38	31	-31	-31	-32	-30	
49	15	57	33	-31	-30	-32	-30	
50	*	*	33	-31	-32	-31	-30	
51	16	37	33	-32	-31	-31	-30	
52	16	56	34	-32	-31	-31	-30	
53	17	16	34	-32	-32	-32	-30	
54	17	40	*	*	*	-32	-30	
55	18	0	41	-31	-31	-32	-30	
56	*	*	41	-31	-31	-32	-31	
57	*	38	42	-30	-31	-32	-30	
58	18	59	43	*	*	*	*	
59	19	19	44	-31	-32	-31	-30	
60	19	39	44	-31	-31	-31	-30	
61	19	59	44	-31	-31	-31	-30	
62	20	18	44	-31	*	*	*	
63	20	38	45	-31	-31	-30	-30	
64	20	58	47	-31	-31	-30	-30	
65	21	17	46	-30	-31	-30	-30	
66	21	37	46	-29	-29	*	*	
67	*	*	47	-29	-28	-30	-29	
68	22	16	46	-28	-28	-30	-27	
69	22	36	47	-28	-28	-30	-26	
70	22	56	46	-27	-28	*	*	
71	23	15	48	-27	-27	-29	-21	
72	23	35	48	-26	-26	-29	-18	
73	23	55	48	-25	-26	-29	-16	
74	24	14	48	*	*	*	-14	
75	24	34	48	-22	-23	-28	-14	
76	24	54	48	-22	-21	-29	-10	
77	25	13	46	-18	-18	-30	-7	
78	25	33	47	-11	-12	-29	-3	
79	25	53	47	-7	-7	-29	-0	
80	26	12	45	-3	-3	-28	1	
81	26	32	45	0	0	-28	3	
82	26	51	45	3	2	-28	4	
83	27	11	44	7	5	-27	5	
84	27	31	43	9	7	-26	5	
85	27	50	43	12	11	-26	6	
86	28	10	43	14	13	-25	6	
87	28	30	42	17	15	-24	7	
88	28	49	42	18	17	-22	6	
89	29	9	42	21	18	-21	7	
90	29	28	42	23	21	-20	7	
91	29	48	41	24	*	*	*	
92	30	8	41	26	24	-16	8	
93	30	27	41	28	25	-15	9	
94	30	47	41	29	27	-13	9	
95	*	*	41	31	29	-12	9	

5-16 IN DX ER ET IL .C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
1	-31	-32	-30	-1	-24	-31	-30	-28
1	-31	-32	-31	-1	-24	-31	-30	-28
1	-31	-32	-30	[illegible]	-25	-30	-31	-28
1	-30	-32	-30	0	-24	-31	-30	-27
1	-32	-31	-30	0	-24	-30	-31	-28
2	-31	-31	-30	1	-26	-31	-29	-28
2	-31	-31	-30	1	-25	-30	-30	-27
2	-32	-32	-30	2	-24	-31	-30	-28
*	*	-32	-30	8	-25	-29	-30	-28
1	-31	-32	-30	9	-23	-27	-29	-27
-	-31	-32	-31	9	-22	-26	-28	-26
0	-31	-32	-30	11	-22	-25	-28	-26
*	*	*	*	*	-19	-24	-27	-25
1	-32	-31	-30	12	-22	-22	-27	-25
1	-31	-31	-30	12	-16	-22	-26	-24
1	-31	-31	-30	13	-18	-21	-26	-23
1	*	*	*	*	-16	-19	-25	-22
1	-31	-30	-30	14	-12	-17	-24	-22
1	-31	-30	-30	15	-17	-16	-25	-22
0	-31	-30	-30	15	-13	-15	-24	-22
^	-29	*	*	*	*	-15	-24	-21
3	-28	-30	-29	14	-14	-13	-23	-20
8	-28	-30	-27	14	-8	-12	-23	-19
8	-28	-30	-26	13	-12	-12	-23	-20
7	-28	*	*	*	*	*	*	*
7	-27	-29	-21	14	-6	-10	-22	-18
6	-26	-29	-18	13	-12	-10	-21	-18
5	-26	-29	-16	13	-4	-10	-22	-17
*	*	*	-14	13	-8	-9	-20	-17
2	-23	-28	-14	14	-8	-9	-19	-16
2	-21	-29	-10	13	-6	-8	-20	-15
0	-18	-30	-7	11	-5	-8	-19	-16
1	-12	-29	-3	12	-6	-6	-18	-15
7	-7	-29	-0	11	-9	-6	-17	-16
3	-3	-28	1	12	-6	-6	-16	-14
0	0	-28	3	11	-2	-6	-17	-14
3	2	-28	4	11	-6	-4	-16	-15
7	5	-27	5	11	-5	-4	-16	-14
9	7	-26	5	11	-7	-5	-16	-13
2	11	-26	6	11	0	-4	-14	-13
4	13	-25	6	12	0	-4	-15	-12
7	15	-24	7	12	-4	-4	-14	-12
	17	-22	6	12	0	-4	-15	-13
1	18	-21	7	12	-5	-3	-14	-12
3	21	-20	7	11	0	-2	-14	-12
4	*	*	*	12	0	-2	-13	-12
4	24	-16	8	12	0	-2	-13	-10
6	25	-15	9	12	-5	-2	-12	-11
10	27	-13	9	13	-7	0	-12	-10
1	29	-12	9	12	-5	-2	-12	-10

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
96	31	26	42	32	29	-11	9
97	31	46	41	34	30	-10	9
98	32	6	41	34	32	-10	9
99	32	25	41	36	33	-8	9
100	32	45	*	*	*	-9	9
101	33	5	40	38	35	-9	11
102	33	24	40	39	36	-8	10
103	33	44	39	41	38	-8	10
104	34	4	39	41	39	-8	11
105	34	23	39	43	39	-6	11
106	34	43	39	44	41	-7	12
107	35	3	39	45	42	-6	12
108	35	23	39	46	43	-6	11
109	*	*	40	47	43	-6	12
110	36	2	39	48	44	-5	12
111	36	22	40	49	45	-4	14
112	36	41	39	49	46	-4	13
113	37	1	40	51	48	-3	13
114	*	*	39	52	48	-3	13
115	37	40	39	52	48	-2	14
116	38	0	39	54	49	-3	14
117	38	20	38	55	51	-2	14
118	38	39	38	57	51	-1	14
119	*	*	38	59	52	-1	14
120	39	19	38	59	53	-1	14
121	39	38	37	62	54	-1	14
122	39	58	38	63	54	-2	14
123	40	18	37	64	55	-0	15
124	40	37	37	64	56	0	15
125	40	57	36	65	56	0	15
126	41	17	38	66	56	0	15
127	41	36	37	69	57	0	16
128	41	56	38	70	56	0	16
129	42	16	38	71	57	0	16
130	42	35	37	72	59	0	17
131	42	55	36	74	59	0	17
132	43	15	38	74	59	0	17
133	43	34	38	75	59	0	17
134	43	54	37	76	59	1	18
135	*	*	37	77	58	1	18
136	44	33	37	77	58	1	18
137	44	53	37	77	59	1	18
138	45	13	38	78	59	1	18
139	45	32	37	78	59	2	18
140	45	52	37	78	59	2	19
141	46	12	37	78	59	2	19
142	46	32	37	79	59	2	20
143	46	51	36	79	59	3	19
144	47	11	37	79	59	4	20
145	47	31	37	79	59	3	20

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
32	29	-11	9	13	-5	-1	-12	-10
34	30	-10	9	12	-3	0	-12	-11
34	32	-10	9	13	0	-1	-12	-10
36	33	-8	9	13	1	0	-12	-10
*	*	-9	9	14	1	0	-12	-10
38	35	-9	11	14	0	0	-12	-10
39	36	-8	10	14	0	0	-12	-9
41	38	-8	10	15	0	0	-12	-9
41	39	-8	11	14	1	0	-10	-8
43	39	-6	11	14	-9	-11	*	-10
44	41	-7	12	14	-1	1	-10	-9
45	42	-6	12	15	1	0	-10	-8
46	43	-6	11	15	0	0	-10	-8
47	43	-6	12	15	0	1	-10	-8
48	44	-5	12	15	0	1	-12	-5
49	45	-4	14	16	0	2	-10	-4
49	46	-4	13	15	-0	1	-11	-4
51	48	-3	13	16	-3	1	-11	-3
52	48	-3	13	15	-4	1	-12	-4
52	48	-2	14	14	0	1	-11	-3
54	49	-3	14	14	0	1	-12	-4
55	51	-2	14	15	-4	1	-10	-4
57	51	-1	14	14	0	1	-10	-3
59	52	-1	14	14	0	0	-10	-3
59	53	-1	14	15	1	2	-10	-3
62	54	-1	14	14	2	1	-10	-2
63	54	-2	14	13	-2	1	-9	-2
64	55	-0	15	14	-8	1	-10	-2
64	56	0	15	15	3	1	-9	-2
65	56	0	15	14	*	*	*	*
66	56	0	15	14	0	1	-9	-2
69	57	0	16	14	-4	2	-10	-2
70	56	0	16	13	-0	1	-8	-1
71	57	0	16	14	3	1	-8	-1
72	59	0	17	14	-6	0	-8	-1
74	59	0	17	13	-6	1	-8	-2
74	59	0	17	14	3	2	-8	-1
75	59	0	17	14	0	1	-8	-0
76	59	1	18	14	-2	3	-8	-0
77	58	1	18	14	-4	2	-8	0
77	58	1	18	14	-4	-7	*	*
77	59	1	18	14	2	2	-8	0
78	59	1	18	14	-6	2	-7	0
78	59	2	18	14	0	3	-8	0
78	59	2	19	14	1	3	-6	0
78	59	2	19	15	2	3	-6	0
79	59	2	20	15	0	4	-7	0
79	59	3	19	14	1	4	-6	0
79	59	4	20	15	0	4	-7	0
79	59	3	20	14	-3	5	-7	0

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	G D
146	47	51	36	79	59	3	20	
147	48	12	37	79	59	4	19	
148	*	*	38	78	59	3	22	
149	48	53	37	78	59	5	21	
150	49	12	37	78	59	5	21	
151	49	32	38	77	58	5	22	
152	49	52	38	77	58	5	21	
153	50	12	38	76	58	6	22	
154	50	32	38	75	58	7	22	
155	50	51	39	75	56	7	22	
156	51	11	37	75	57	7	*	
157	51	31	38	73	57	7	23	
158	51	51	38	73	58	7	24	
159	52	11	38	73	57	7	23	
160	52	30	38	72	56	8	24	
161	52	50	36	72	56	8	23	
162	53	11	38	72	56	8	24	
163	53	32	39	71	55	8	23	
164	53	53	39	71	56	8	23	
165	54	13	38	56	*	9	23	
166	54	34	39	70	56	9	24	
167	54	54	38	70	56	9	24	
168	55	14	39	70	56	8	24	
169	55	34	39	69	56	9	24	
170	55	54	38	69	56	9	24	
171	56	14	39	70	56	9	24	
172	56	35	40	69	57	11	24	
173	56	56	41	69	55	11	23	
174	57	17	42	68	46	10	23	
175	57	37	42	65	40	11	23	
176	57	57	45	61	38	10	24	
177	58	18	46	57	37	9	22	
178	58	39	46	53	37	9	22	
179	58	59	48	50	35	9	21	
180	59	20	48	48	36	9	21	
181	59	41	49	35	*	8	21	
182	60	0	49	43	36	8	20	

5-16 MAIN G.BOX OOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
79	59	3	20	16	1	5	-6	0
79	59	4	19	15	-2	5	-5	0
78	59	3	22	15	0	5	-6	1
78	59	5	21	15	0	6	-5	1
78	59	5	21	15	-0	6	-5	0
77	58	5	22	16	1	6	-6	4
77	58	5	21	17	1	6	-5	3
76	58	6	22	16	-1	6	-5	4
75	58	7	22	16	5	6	-5	4
75	56	7	22	17	3	7	-4	4
75	57	7	*	18	6	7	-4	5
73	57	7	23	17	1	8	-3	4
73	58	7	24	17	1	7	-3	4
73	57	7	23	18	4	8	-3	4
72	56	8	24	17	2	8	-3	4
72	56	8	23	18	4	8	-2	5
72	56	8	24	18	1	8	-3	5
71	55	8	23	18	7	8	-2	6
71	56	8	23	18	4	9	-3	6
56	*	9	23	18	4	9	-2	6
70	56	9	24	18	4	7	-1	5
70	56	9	24	18	3	6	-1	4
70	56	8	24	18	3	5	-1	5
69	56	9	24	18	3	4	-2	5
69	56	9	24	19	2	3	-2	2
70	56	9	24	19	1	2	-3	1
69	57	11	24	19	1	2	-3	1
69	55	11	23	20	0	1	-4	0
68	46	10	23	21	0	2	-4	0
65	40	11	23	22	0	2	-5	-1
61	38	10	24	23	0	2	-5	-1
57	37	9	22	23	-0	2	-5	-2
53	37	9	22	24	-1	1	-6	-3
50	39	9	21	24	-2	1	-6	-3
48	36	9	21	24	-2	1	-6	-4
35	*	8	21	24	-2	1	-6	-3
43	36	8	20	26	-3	1	-6	-5

HH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SHEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
1	0	8	-31	-31	-32	-31	-32
2	0	28	-31	-31	-32	-30	-30
3	0	48	-32	-32	-31	-30	-31
4	1	8	*	*	*	*	*
5	1	28	-31	-31	-32	-30	-31
6	1	48	-31	-32	-31	-31	-31
7	2	8	-31	-31	-32	-31	-31
8	2	28	-32	-31	-31	-30	-31
9	2	48	-31	-31	-32	-30	-30
10	3	8	-31	-31	-31	-30	-30
11	3	27	-32	-31	-31	-30	*
12	3	47	-31	-31	-31	-30	-26
13	4	7	-31	-31	-31	-30	-26
14	4	27	-30	-31	-32	-31	-25
15	4	47	-31	-32	-31	-31	-23
16	5	7	-31	-32	-30	-31	-24
17	5	26	-30	-32	-30	-30	-22
18	5	46	-31	-32	-31	*	*
19	6	6	-30	-31	-30	-30	-20
20	6	26	-30	-31	-30	-30	-18
21	6	45	-30	-31	-31	-31	-18
22	7	5	-30	-31	-30	-30	-17
23	7	25	-30	-32	-30	-30	-16
24	*	*	-30	-30	-32	-31	-15
25	8	5	-30	*	*	*	*
26	*	22	-30	-31	-30	-31	-14
27	8	44	-31	-31	-31	-31	-12
28	9	4	-30	-31	-30	-32	-12
29	9	23	-30	-30	-31	-30	-11
30	9	43	-30	-31	-30	-31	-10
31	10	3	-30	-30	-31	-31	-8
32	10	23	-30	-31	-30	-30	-8
33	10	42	-30	-30	-30	-30	-7
34	11	2	-30	-30	-30	-31	-6
35	11	22	-29	-31	-30	-31	-5
36	11	41	-29	-31	-30	-31	-4
37	12	1	-30	-30	-31	-31	-5
38	*	*	-29	-30	-31	-30	-4
39	12	40	-28	-30	-30	-31	-2
40	13	0	-29	-30	-30	-31	-1
41	13	20	-28	-30	-30	-30	-1
42	13	40	-30	-30	-31	-31	0
43	13	59	-28	-30	-31	-31	0
44	14	19	-29	-31	-31	-30	0
45	14	39	-28	-30	-30	-31	0

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	S-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	S-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	S-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	S-29 GEN.2 MASS TEMP DEG.C
46	14	58	-28	-30	-28	-31	0
47	15	18	-28	-30	-30	-32	17
48	*	36	-28	-30	-30	-30	0
49	15	57	-28	-31	-30	-31	-1
50	*	*	-28	-30	-30	-30	-2
51	16	37	-27	-30	-30	-30	-2
52	16	56	-28	-30	-30	-31	0
53	17	16	-28	-30	-30	-30	0
54	17	40	-26	-29	-28	-30	7
55	18	0	-25	-28	-25	-31	7
56	*	*	-24	-28	-24	-31	7
57	*	38	-23	-28	-22	-30	8
58	18	59	-21	-27	-22	-30	9
59	19	19	-19	-27	-20	-31	10
60	19	39	-18	-27	-19	-30	11
61	19	59	-18	-26	-17	-31	11
62	20	18	-17	-26	-16	-30	11
63	20	38	-15	-25	-14	-30	11
64	20	58	-15	-24	-13	-30	11
65	21	17	-14	-24	-13	-30	12
66	21	37	-12	-24	-10	-30	12
67	*	*	-10	-22	-8	-31	13
68	22	16	-10	-22	-7	-30	14
69	22	36	-10	-22	-9	-30	14
70	22	56	*	*	*	*	*
71	23	15	-8	-21	-8	-30	15
72	23	35	-8	-20	-6	-30	15
73	23	55	-8	-19	-6	-30	15
74	24	14	-8	-19	-4	-30	15
75	24	34	-7	-19	-5	-30	15
76	24	54	-7	-18	-6	-30	16
77	25	13	-6	-17	-5	-30	15
78	25	33	-6	-18	-3	-30	15
79	25	53	-5	-17	-2	-30	16
80	26	12	-5	-16	-2	-30	15
81	26	32	-4	-16	-3	-30	15
82	26	51	-3	-17	-0	-30	15
83	27	11	-4	-16	-2	-30	14
84	27	31	-4	-16	-2	-30	15
85	27	50	-2	-15	-2	-30	14
86	28	10	-2	-15	-0	-30	14
87	28	30	-3	-14	0	-30	*
88	28	49	-2	-14	-1	-30	14
89	29	9	-2	-14	0	-30	14
90	29	28	-1	-14	1	-29	15
91	29	48	-1	-13	0	-30	14
92	30	8	-2	-12	0	-30	14
93	30	27	-1	-13	1	-30	14
94	30	47	-0	-12	0	-30	14
95	*	*	0	-12	0	-29	14

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
96	31	26	0	-12	0	-29	14
97	31	46	0	-12	1	-29	14
98	32	6	-2	-12	0	-30	14
99	32	25	-0	-12	0	-29	15
100	32	45	-1	-12	1	-30	15
101	33	5	0	-11	2	-30	14
102	33	24	0	-10	2	-30	15
103	33	44	0	-11	2	-30	15
104	34	4	0	-11	2	-30	15
105	34	23	*	*	3	-30	15
106	34	43	0	-10	2	-30	16
107	35	3	0	-10	2	-30	15
108	35	23	0	-10	2	-30	16
109	*	*	2	-8	4	-30	17
110	36	2	1	-9	*	*	*
111	36	22	1	-9	3	-30	15
112	36	41	0	-9	3	-30	17
113	37	1	0	-9	3	-30	16
114	*	*	0	-9	3	-30	16
115	37	40	0	-10	1	*	*
116	38	0	0	-9	2	-29	15
117	38	20	0	-9	2	-30	15
118	38	39	0	-9	2	-30	16
119	*	*	0	-9	4	-29	15
120	39	19	0	-8	*	*	*
121	39	38	0	-9	3	-30	15
122	39	58	0	-9	3	-30	15
123	40	18	0	-8	3	-30	15
124	40	37	0	-9	2	-29	15
125	40	57	*	*	*	*	*
126	41	17	0	-9	3	-30	14
127	41	36	0	-8	5	-30	15
128	41	56	0	-8	4	-28	15
129	42	16	0	-7	3	-30	14
130	42	35	0	-7	5	-30	14
131	42	55	0	-7	3	-30	15
132	43	15	0	-8	4	-30	14
133	43	34	1	-8	3	-30	15
134	43	54	1	-6	4	-29	15
135	*	*	0	-8	4	-30	15
136	44	33	*	*	3	-29	16
137	44	53	1	-8	5	-29	15
138	45	13	1	-8	5	-29	14
139	45	32	1	-7	5	-29	15
140	45	52	2	-7	5	-29	15
141	46	12	2	-6	5	-30	15
142	46	32	2	-6	6	-30	*
143	46	51	2	-7	4	-29	15
144	47	11	2	-6	6	-29	15
145	47	31	3	-6	7	-29	15

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
146	47	51	2	-7	5	-29	15
147	48	12	4	-6	6	-29	15
148	*	*	4	-6	6	-29	15
149	48	53	3	-6	6	-29	15
150	49	12	4	-5	8	-29	16
151	49	32	5	-5	8	-29	16
152	49	52	7	-4	8	-29	17
153	50	12	7	-4	8	-29	17
154	50	32	7	-3	9	-29	16
155	50	51	7	-3	9	-28	17
156	51	11	8	-3	8	-29	18
157	51	31	8	-2	8	-29	18
158	51	51	8	-2	9	-29	18
159	52	11	9	-2	9	-29	19
160	52	30	8	-2	9	-29	18
161	52	50	8	-2	10	-29	19
162	53	11	9	-1	8	-29	18
163	53	32	8	-1	11	-29	19
164	53	53	9	-1	10	-30	19
165	54	13	9	-1	10	-29	19
166	54	34	5	-2	7	-29	19
167	54	54	3	-1	5	-29	*
168	55	14	2	-2	4	-29	19
169	55	34	2	-2	3	-29	19
170	55	54	2	-2	2	-29	19
171	56	14	1	-2	2	-29	19
172	56	35	2	-2	2	-29	19
173	56	56	2	-2	2	-29	19
174	57	17	1	-3	0	-29	19
175	57	37	1	-3	0	-30	20
176	57	57	1	-4	0	-29	21
177	58	18	1	-4	0	-29	21
178	58	39	0	-4	-1	-29	22
179	58	59	1	-4	-0	-30	22
180	59	20	1	-5	0	-30	22
181	59	41	0	-6	0	-29	22
182	60	0	0	-6	-1	-30	22

HH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	E I AF D
1	0	11	-32	-31	-32	-30	-32	
2	0	31	-32	-32	-32	-29	-32	
3	0	51	-31	-31	-32	-28	-32	
4	1	11	-32	-32	-32	-29	-32	
5	1	31	-31	-32	-32	-29	-32	
6	1	50	-32	-32	-33	-30	-32	
7	2	10	-32	-33	-32	-28	-32	
8	2	30	-32	-31	-32	-29	-24	
9	2	50	-31	-32	-32	-29	-32	
10	3	10	-32	-32	-32	-28	-32	
11	*	*	-31	-31	-32	-29	-32	
12	3	50	-31	-31	-32	-29	-32	
13	4	9	-31	-31	-31	-28	-32	
14	4	29	-32	-32	-32	-29	-32	
15	4	49	-31	-31	-32	-28	-32	
16	5	9	-31	-31	-32	-29	-32	
17	5	29	-32	-32	-32	-29	-32	
18	*	*	-32	-32	-31	-30	-32	
19	6	8	-31	-31	-32	-29	-32	
20	6	28	-31	-31	-33	-28	-32	
21	6	48	-32	-32	-32	-28	-32	
22	7	8	-31	-32	-32	-29	-32	
23	7	27	-32	-32	-32	-29	-32	
24	7	47	-31	-30	-32	-28	-32	
25	8	7	-31	-32	-33	-29	-32	
26	8	27	-32	-30	-32	-29	-32	
27	8	46	-32	-31	-32	-29	-32	
28	9	6	-32	-31	-32	-28	-32	
29	9	26	-31	-31	-33	-30	-32	
30	9	46	-31	-32	-32	-28	-32	
31	10	5	-32	-32	-32	-30	-32	
32	10	25	-32	-30	-32	-28	-32	
33	10	45	-32	-32	-32	-30	-32	
34	11	4	-32	-31	-32	-29	-32	
35	11	24	-32	-32	-32	-28	-32	
36	11	44	*	*	*	*	-32	
37	12	4	-32	-31	-32	-29	-32	
38	12	23	-32	-33	-32	-29	-31	
39	12	43	-31	-31	-32	-29	-32	
40	13	3	-31	-30	-32	-28	-32	
41	13	22	-31	-31	-32	-30	-32	
42	13	42	-31	-32	-32	-28	-32	
43	14	2	-29	-31	-32	-29	-31	
44	14	21	-29	-30	-31	-28	-32	
45	14	41	-29	-32	-31	-28	-32	

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CLIMATIC LAB TEST
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RUN NO. 6 -25 DEG F

6-06 ENG.2 FUEL CNTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
-31	-32	-30	-32	-32	-32	-31	-32	*
-32	-32	-29	-32	-32	-31	-32	-31	-31
-31	-32	-28	-32	-32	-31	-31	-32	-32
-32	-32	-29	-32	-32	-32	-32	-32	-32
-32	-32	-29	-32	-32	-31	-31	-32	-32
-32	-33	-30	-32	-32	-32	-31	-32	-32
-33	-32	-28	-32	-32	-31	-32	-31	-31
-31	-32	-29	-24	-31	-28	-32	*	-30
-32	-32	-29	-32	-32	-31	-32	-32	-32
-32	-32	-28	-32	-32	-32	-32	-28	-32
-31	-32	-29	-32	-32	-32	-31	-33	-31
-31	-32	-29	-32	-32	-32	-32	-33	-31
-31	-31	-28	-32	-32	-31	-32	-31	-32
-32	-32	-29	-32	-32	-32	-32	-30	-32
-31	-32	-28	-32	-31	-32	-32	-32	-32
-31	-32	-29	-32	-33	-32	-32	-28	-31
-32	-32	-29	-32	-32	-32	-32	-30	-32
-32	-31	-30	-32	-32	-32	-32	-34	-32
-31	-32	-29	-32	-33	-32	-32	-31	-31
-31	-33	-28	-32	-32	-31	-31	-33	-32
-32	-32	-28	-32	-32	-32	-32	-32	-31
-32	-32	-29	-32	-32	-32	-32	-30	-32
-32	-32	-29	-32	-32	-32	-32	-32	-32
-30	-32	-28	-32	-32	-32	-32	-30	-32
-32	-33	-29	-32	-32	-32	-32	-29	-32
-30	-32	-29	-32	-32	-32	-32	-28	-32
-31	-32	-29	-32	-32	-32	-32	-30	-32
-31	-32	-28	-32	-32	-32	-32	-31	-32
-31	-33	-30	-32	-32	-32	-32	*	*
-32	-32	-28	-32	-32	-32	-32	-33	-32
-32	-32	-30	-32	-31	-31	-32	-32	-32
-30	-32	-28	-32	-32	-32	-31	-30	-32
-32	-32	-30	-32	-32	-32	-31	-33	-32
-31	-32	-29	-32	-33	-32	-31	-34	-32
-32	-32	-28	-32	-32	-32	-32	-30	-31
*	*	*	-32	-32	-31	-32	-34	-32
-31	-32	-29	-32	-32	-32	-32	-30	-32
-33	-32	-29	-31	-32	-32	-32	-30	-32
-31	-32	-29	-32	-32	-32	-32	-30	-32
-30	-32	-28	-32	-31	-32	-32	-33	-32
-31	-32	-30	-32	-32	-31	-32	-31	-32
-32	-32	-28	-32	-32	-31	-32	-29	-32
-31	-32	-29	-31	-32	-32	-31	-30	-32
-30	-31	-28	-32	-31	-32	-31	-30	-32
-32	-31	-28	-32	-32	-32	-32	-34	-32

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	E I AF O
46	15	1	-30	-30	-31	-29	-31	
47	*	*	*	-32	-32	-28	-32	
48	15	40	-28	-30	-32	-29	-32	
49	16	0	-29	-31	-31	-30	-31	
50	16	19	-29	-31	-32	-28	-32	
51	16	39	-28	-30	-32	-28	*	
52	16	59	-28	-30	-30	-28	-32	
53	17	18	-29	-30	-31	-28	-32	
54	17	43	-28	-30	-32	-29	-32	
55	18	3	-27	-28	-32	-28	-32	
56	18	22	-27	-31	-31	-27	-31	
57	18	42	-28	-30	-31	-28	-31	
58	19	2	-28	-29	-31	-29	-31	
59	19	22	-27	-30	-31	-28	-31	
60	19	41	-27	-30	-30	-28	-31	
61	20	1	-27	-30	-30	-28	-31	
62	20	21	-27	-29	-31	-28	-32	
63	20	40	-27	-30	-30	-28	-32	
64	21	0	-26	-29	-30	-28	-32	
65	21	20	-24	-30	-28	-28	-32	
66	21	40	-23	-30	-29	-29	-31	
67	21	59	-20	-30	-29	-27	-32	
68	22	19	-20	-28	-27	-28	-30	
69	22	37	-18	-29	-28	-27	-31	
70	*	*	*	*	*	*	*	
71	23	18	-16	-30	-26	-27	-31	
72	23	37	-15	-29	-27	-27	-30	
73	23	57	-14	-29	-27	-28	-31	
74	24	17	-14	-29	-27	-27	-31	
75	24	36	-12	-29	-27	-26	-30	
76	24	56	-14	-28	-28	-25	-30	
77	25	16	-14	-29	-28	-26	-31	
78	25	35	-15	-28	-28	-25	-30	
79	25	55	-15	-29	-28	-24	-30	
80	26	15	-15	-28	-29	-24	-30	
81	26	34	-15	-28	-28	-24	-30	
82	26	54	-14	-29	-28	-24	-30	
83	27	13	-14	-29	-28	-23	-29	
84	27	33	-14	-28	-29	-22	-29	
85	27	53	-12	-25	-24	-21	-30	
86	28	12	-14	-24	-27	-23	-29	
87	*	30	-14	-20	-28	-20	-28	
88	28	52	-13	-20	-28	-21	-29	
89	29	11	-13	-18	-28	-19	-29	
90	29	31	-13	-17	-27	-18	-28	
91	29	51	-12	-16	-27	-18	-28	
92	30	10	-11	-17	-27	-18	-28	
93	30	30	-11	-14	-26	-17	-28	
94	30	50	-8	-14	-26	-15	-28	
95	31	9	-9	-15	-26	-15	-28	

-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
6.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
FUEL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
CTRL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
ILET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
EMP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
30	-31	-29	-31	-32	-31	-32	-30	-32
32	-32	-28	-32	-32	-32	-32	-29	-32
30	-32	-29	-32	-32	-32	-31	-33	-32
31	-31	-30	-31	-32	-31	-32	-29	-32
31	-32	-28	-32	-32	-32	-32	-30	-31
30	-32	-28	*	*	*	*	-32	-32
30	-30	-28	-32	-32	-32	-31	-30	-31
30	-31	-28	-32	-32	-31	-32	-29	-32
30	-32	-29	-32	-32	-32	-32	-28	-31
28	-32	-28	-32	-32	-32	-31	-32	-31
31	-31	-27	-31	-32	-31	-32	-33	-31
30	-31	-28	-31	-32	-31	-32	-31	-31
29	-31	-29	-31	-32	-31	-32	-28	-31
30	-31	-28	-31	-32	-32	-31	-30	-30
30	-30	-28	-31	-31	-31	-32	-27	-30
30	-30	-28	-31	-32	-32	-32	-27	-30
29	-31	-28	-32	-32	-32	-31	-29	-30
30	-30	-28	-32	-32	-31	-31	-30	-30
29	-30	-28	-32	-31	-31	-32	-32	-31
30	-28	-28	-32	-31	-31	-30	-30	-31
30	-29	-29	-31	-31	-31	-31	-30	-31
30	-29	-27	-32	-30	-31	-31	-32	-31
28	-27	-28	-30	-31	-30	-31	-31	-30
29	-28	-27	-31	-30	-30	-30	-31	-30
*	*	*	*	*	*	*	*	*
30	-26	-27	-31	-30	-31	-31	-28	-30
29	-27	-27	-30	-30	-31	-31	-30	-29
29	-27	-28	-31	-30	-31	-30	-30	-29
29	-27	-27	-31	-30	-31	-31	-31	-30
29	-27	-26	-30	-30	-31	-30	-30	-30
28	-28	-26	-30	-30	-30	-31	-30	-28
29	-28	-26	-31	-29	-30	-31	-32	-30
28	-28	-25	-30	-28	-30	-30	-31	-30
29	-28	-24	-30	-29	-30	-30	-31	-31
28	-29	-24	-30	-30	-30	-30	-31	-29
28	-28	-24	-30	-29	-31	-30	-31	-30
29	-28	-24	-30	-28	-30	-30	-32	-30
29	-28	-23	-29	*	*	*	-30	-30
28	-29	-22	-29	-29	-30	-31	-30	-28
26	-28	-21	-30	-28	-30	-30	-28	-28
24	-27	-23	-29	-28	-30	-30	-28	-26
20	-28	-20	-28	-28	-30	-31	-29	-29
20	-28	-21	-29	-28	-30	-31	-29	-28
18	-28	-19	-29	-28	-30	-30	-29	-28
17	-27	-18	-28	-28	-30	-30	-28	-28
16	-27	-18	-28	-28	-30	-30	-28	-28
17	-27	-18	-28	-27	-30	-30	-29	-28
14	-26	-17	-28	-26	-29	-30	-29	-28
14	-26	-15	-28	-27	-29	-30	-28	-28
15	-26	-15	-28	-26	-30	-30	-6	-6

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
96	*	*	*	*	-22	-15	-28
97	31	49	-8	-12	-23	-14	-26
98	32	8	-8	-11	-25	-15	-27
99	32	28	-7	-10	-25	-13	-27
100	32	48	-6	-10	-26	-12	-26
101	33	7	-7	-10	-27	-10	-27
102	33	27	-7	-10	-26	-8	-27
103	33	47	-8	-10	-26	-8	-26
104	34	6	-8	-8	-26	-7	-26
105	34	26	-7	-7	-27	-8	-26
106	34	46	-8	-8	-27	-6	-26
107	35	5	-8	-9	-26	-4	-26
108	35	25	-8	-8	-26	-4	-26
109	35	45	-8	-8	-26	-6	-26
110	36	4	-7	-6	-27	-6	-26
111	36	24	-8	-9	-26	-5	-26
112	36	44	-8	-8	-26	-4	-25
113	37	3	-9	-9	-28	-6	-24
114	37	23	-10	-10	-28	-4	-25
115	*	40	-10	-11	-27	-6	-24
116	38	2	-11	-12	-28	-2	-25
117	38	22	-12	-12	-28	-2	-24
118	38	42	-14	-15	-28	-3	-24
119	39	1	-12	-14	-27	0	-24
120	39	21	-13	-13	-27	0	-24
121	39	41	-15	-13	-27	0	-23
122	40	0	-13	-14	-27	0	-24
123	40	20	-13	-14	-27	0	-24
124	40	40	-14	-14	-28	0	-23
125	*	*	*	*	*	*	*
126	41	19	-14	-15	-29	0	-23
127	41	39	-14	-16	-28	0	-23
128	41	58	-15	-14	-28	2	-23
129	42	18	-14	-15	-28	0	-22
130	42	38	-14	-15	-27	1	-22
131	42	57	-14	-16	*	*	*
132	43	17	-14	-15	-27	1	-22
133	43	37	-14	-14	-27	2	-21
134	43	56	-14	-13	-26	2	-21
135	44	16	-14	-15	-27	2	-22
136	44	36	-14	-14	-27	3	-22
137	44	55	-13	-14	-27	3	-22
138	45	15	-13	-14	-26	3	-21
139	45	35	-14	-13	-26	4	-21
140	45	55	-13	-14	-26	4	-20
141	46	14	-12	-14	-27	5	-20
142	46	34	-13	-15	-26	5	-20
143	46	54	-13	-13	-27	5	-20
144	47	14	-13	-13	-27	4	-20
145	47	34	-12	-12	-26	5	-20

6-06 ENG.2 FUEL CNTRL UTLET TEMP EG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
*	-22	-15	-28	-27	-28	-30	21	7
-12	-23	-14	-26	-26	-28	-30	71	39
-11	-25	-15	-27	-26	-29	-30	24	13
-10	-25	-13	-27	-26	-29	-28	66	31
-10	-26	-12	-26	-26	-28	-28	7	18
-10	-27	-10	-27	-26	-28	-29	-10	*
-10	-26	-8	-27	-25	-28	-28	-19	0
-10	-26	-8	-26	-26	-28	-28	-24	-11
-8	-26	-8	-26	-25	-26	-29	-25	-14
-7	-27	-8	-26	-25	-28	-28	-26	-17
-8	-27	-8	-26	-25	-28	-28	-26	-19
-9	-26	-4	-26	-25	-27	-28	-26	-20
-8	-26	-4	-26	-25	-27	-28	-26	-20
-8	-26	-6	-26	-24	-27	-28	-27	-22
-6	-27	-6	-26	-25	-27	-27	-26	-23
-8	-26	-5	-26	-24	-26	-27	-26	-22
-9	-26	-4	-25	-25	-26	-27	-28	-26
-9	-25	-6	-24	-24	-25	-27	-29	-27
-10	-25	-4	-25	-23	-26	-26	-30	-28
-11	-27	-6	-24	-24	-26	-26	-30	-26
-12	-28	-2	-25	-24	-25	-26	-29	-28
-12	-28	-2	-24	-23	-24	-26	-28	-28
-15	-28	-3	-24	-23	-24	-26	-28	-28
-14	-27	0	-24	-23	-24	-25	-28	-28
-13	-27	0	-24	-23	-24	-24	-27	-27
-13	-27	0	-23	-23	-24	-25	-27	-26
-14	-27	0	-24	-22	-24	-24	-27	-27
-14	-27	0	-24	-22	-24	-24	-26	-26
-14	-25	0	-23	-21	-24	-24	-26	-26
*	*	*	*	*	*	*	*	*
-15	-29	0	-23	-22	-23	-23	-25	-26
-16	-28	0	-23	-22	-22	-23	-25	-26
-14	-29	2	-23	-21	-23	-23	-25	-25
-15	-28	0	-22	-21	-22	-22	-24	-25
-15	-27	1	-22	-21	-22	-22	-25	-25
-16	*	*	*	-20	-22	-22	-24	-24
-15	-27	1	-22	-20	-20	-22	-24	-24
-14	-27	2	-22	-21	-21	-21	-23	-24
-12	-26	2	-22	-20	-22	-21	-23	-24
-15	-27	2	-22	-20	-22	-20	-22	-23
-14	-27	3	-22	-19	-21	-20	-23	-24
-14	-27	3	-22	-19	-21	-20	-23	-23
-14	-26	3	-21	-19	-20	-20	-22	-24
-13	-26	4	-21	-19	-20	-19	-22	-23
-14	-26	4	-20	-19	-20	-19	-23	-23
-14	-27	5	-20	-18	-20	-18	-23	-23
-15	-25	5	-20	-18	-19	-18	-22	-22
-13	-27	5	-20	-18	-19	-18	-22	-22
-13	-27	4	-20	-18	-19	-18	-22	-22
-12	-26	5	-20	-18	-19	-18	-21	-22

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
146	47	54	-12	-10	-26	6	-20
147	48	15	-11	-12	-26	7	-19
148	48	34	-11	-10	-19	8	-19
149	48	55	-8	-9	-24	8	-19
150	*	*	*	-8	-24	7	-19
151	49	35	-8	-5	-24	8	-19
152	49	54	-7	-4	-24	7	-19
153	50	14	-6	-5	-24	7	-19
154	50	34	-6	-4	-25	9	-19
155	50	54	-5	-5	-25	7	-18
156	51	14	-6	-2	-24	7	-18
157	51	33	-5	-5	-24	8	-18
158	51	53	-4	-6	-23	9	-18
159	52	13	-2	-6	-24	8	-18
160	52	33	-4	-4	-25	8	-18
161	52	53	-5	-3	-25	7	-18
162	53	13	-6	-0	-26	8	-18
163	53	34	-6	-1	-26	8	-18
164	53	55	-6	0	-25	6	-17
165	54	15	-4	-2	-26	6	-17
166	54	37	-4	-2	-24	7	-18
167	54	56	-4	-1	-26	7	-17
168	55	16	-5	-1	-25	7	-17
169	55	36	-5	-1	-25	9	-17
170	55	57	-4	-2	-25	8	-17
171	56	17	-3	-2	-24	9	-17
172	56	37	-3	-2	-24	10	-17
173	56	58	-2	-0	-22	12	-17
174	57	20	-3	-2	-22	12	-17
175	57	40	-2	0	-22	14	-17
176	57	59	-3	-0	-19	16	-16
177	58	20	-3	0	-18	18	-17
178	58	42	-3	0	-16	18	-17
179	59	2	-1	1	-17	21	-16
180	59	22	0	1	-18	23	-15
181	59	43	0	0	-16	25	-14
182	*	*	0	0	-16	27	-14

6-06 NG.2 FUEL NTRL TLET TEMP EG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
-10	-26	6	-20	-17	-19	-18	-22	-22
-12	-26	7	-19	-18	-19	-16	-22	-22
-10	-19	8	-19	-18	-18	-17	-22	-22
-9	-24	8	-19	-18	-18	-17	-22	-22
-8	-24	7	-19	-17	-18	-17	-21	-21
-5	-24	8	-19	-16	-18	-16	-18	-18
-4	-24	7	-19	-17	-18	-16	-19	-19
-5	-24	7	-19	-17	-18	-16	-19	-20
-4	-25	9	-19	-17	-18	-16	-18	-18
-5	-25	7	-18	-16	-17	-16	-18	-18
-2	-24	7	-18	-16	-17	-15	-18	-17
-5	-24	8	-18	-16	*	-15	-18	-17
-6	-23	9	-18	-16	-16	-14	-19	-19
-6	-24	8	-18	-16	-16	-15	-18	-17
-4	-25	8	-18	-17	-16	-15	-19	-17
-3	-25	7	-18	-16	-15	-14	-18	-18
-0	-26	8	-18	-16	-15	-14	-19	-18
-1	-26	8	-19	-16	-15	-14	-19	-17
0	-25	6	-17	-16	-15	-14	-19	-18
-2	-26	6	-17	-16	-16	-14	-18	-18
-2	-24	7	-18	-16	-15	-14	-18	-18
-1	-26	7	-17	-16	-15	-13	-20	-20
-1	-25	7	-17	-16	-14	-13	-19	-18
-1	-25	9	-17	-16	-14	-13	-19	-20
-2	-25	8	-17	-16	-15	-14	-20	-19
-2	-24	9	-17	-16	-14	-13	-20	-19
-2	-24	10	-17	-16	-14	-13	-18	-18
-0	-22	12	-17	-16	-14	-13	-17	-16
-2	-22	12	-17	-16	-14	-13	-15	-16
0	-22	14	-17	-15	-14	-13	-12	-15
-0	-19	16	-16	-15	-13	-12	-12	-14
0	-18	18	-17	-15	-13	-13	-12	-13
0	-16	18	-17	-15	-14	-12	-12	-15
1	-17	21	-16	-14	-14	-12	-10	-13
1	-18	23	-15	-13	-13	-12	-6	-9
0	-16	25	-14	-11	-13	-12	-4	-9
0	-16	27	-14	-13	-13	-12	-3	-9

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	E I S D
1	0	11	*	*	*	*	-33	
2	0	31	-32	-33	-32	-33	-33	
3	0	51	-32	-32	-33	-33	-33	
4	1	11	-32	-33	-34	-32	-32	
5	1	31	-32	-32	-32	-33	-33	
6	1	50	-32	-32	-32	-33	-33	
7	2	10	-32	-32	-32	-33	-32	
8	2	30	-53	-30	-26	*	*	
9	2	50	-33	-33	-33	-32	-33	
10	3	10	-31	-32	-33	-30	-32	
11	*	*	-32	-33	-31	-32	-34	
12	3	50	-32	-32	-32	-33	-30	
13	4	9	-32	-32	-35	-31	-30	
14	4	29	-32	-32	-34	-30	-32	
15	4	49	-32	-32	-33	-30	*	
16	5	9	-31	-32	-34	-30	-32	
17	5	29	-32	-33	-32	-34	-31	
18	*	*	-32	-33	-32	-32	-34	
19	6	8	-31	-32	-33	-30	-35	
20	6	28	-32	-33	-32	-32	-33	
21	6	48	-32	-34	-32	-32	-35	
22	7	8	-33	-32	-32	*	*	
23	7	27	-32	-32	-32	-31	-32	
24	7	47	-31	-32	-31	-31	-34	
25	8	7	-33	-30	-32	-33	-31	
26	8	27	-33	-31	-32	-33	-30	
27	8	46	-33	-32	-32	-34	-30	
28	9	6	-32	-32	-34	-30	-31	
29	9	26	*	*	*	-32	-33	
30	9	46	-32	-32	-32	-30	-32	
31	10	5	-31	-32	-33	-30	-30	
32	10	25	-32	-34	-31	-30	-32	
33	10	45	-32	-33	-32	-30	-32	
34	11	4	-32	-34	-32	-30	-32	
35	11	24	-31	-30	-31	-32	-31	
36	11	44	-31	-33	-34	-30	-32	
37	12	4	-33	-32	-32	-34	-30	
38	12	23	-34	-32	-32	-33	-30	
39	12	43	-31	-32	-30	-28	-33	
40	13	3	-33	-31	-32	*	*	
41	13	22	-32	-30	-32	-33	-30	
42	13	42	-34	-31	-32	-32	-29	
43	14	2	-30	-32	-30	-30	-30	
44	14	21	-32	-32	-32	-33	-29	
45	14	41	-32	-31	-32	-30	-28	

HH-53C S/N 66-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
*	*	*	-33	-33	-31	-34	-31	-32
-33	-32	-33	-33	-33	-32	-33	-31	-32
-32	-33	-33	-33	-33	-31	-33	-31	-32
-33	-34	-32	-32	-33	-31	-34	-31	-32
-32	-32	-33	-33	-33	-31	-34	-31	-32
-32	-32	-33	-33	-34	-31	-33	-31	-32
-32	-32	-33	-32	-33	-31	-34	-31	-33
-30	-26	*	*	*	*	-34	-31	-33
-33	-33	-32	-33	-33	-31	-33	-31	-32
-32	-33	-30	-32	-33	-32	-33	-31	-32
-33	-31	-32	-34	-33	-32	-34	-31	-32
-32	-32	-33	-30	-33	-31	-33	-31	-33
-32	-35	-31	-30	-32	-32	-34	-30	-33
-32	-34	-30	-32	-33	-31	-33	-31	-33
-32	-33	-30	*	*	*	*	-31	-32
-32	-34	-30	-32	-32	-32	-34	-31	-33
-33	-32	-34	-31	-32	-32	-33	-31	-33
-33	-32	-32	-34	-33	-32	-33	-31	-33
-32	-33	-30	-35	-33	-32	-34	-31	-32
-33	-32	-32	-33	-33	-32	-34	-31	-33
-34	-32	-32	-35	-32	-31	-33	-31	-33
-32	-32	*	*	*	*	*	-31	-32
-32	-32	-31	-32	-32	-32	-33	-32	-32
-32	-31	-31	-34	-32	-32	-34	-31	-33
-30	-32	-33	-31	-32	-32	-34	-30	-32
-31	-32	-33	-30	-32	-31	-32	-31	-32
-32	-32	-34	-30	-33	-30	-33	-31	-32
-32	-34	-30	-31	-32	-32	-33	-31	-33
*	*	-32	-33	-32	-32	-33	-32	-32
-32	-32	-30	-32	-32	-31	-34	-31	-32
-32	-33	-30	-30	-32	-32	-33	-31	-32
-34	-31	-30	-32	-31	-31	-33	-32	-33
-33	-32	-30	-32	-32	-31	-33	-31	-33
-34	-32	-30	-32	-31	-32	-33	-31	-33
-30	-31	-32	-31	-32	-31	-32	-31	-32
-33	-34	-30	-32	-32	-31	-32	-31	-31
-32	-32	-34	-30	-32	-30	-33	-30	-32
-32	-32	-33	-30	-31	-30	-32	-31	-31
-32	-30	-28	-33	-31	-30	-32	-30	-32
-31	-32	*	*	*	*	-33	-31	-32
-30	-32	-33	-30	-32	-30	-32	-31	-32
-31	-32	-32	-29	-31	-30	-30	-30	-30
-32	-30	-30	-30	-32	-29	-30	-28	-30
-32	-32	-33	-29	-31	-30	-31	-28	-29
-31	-32	-30	-28	-31	-30	-32	-28	-30

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
46	15	1	-31	-32	-30	-27	-32
47	*	*	-33	-31	-32	-30	-29
48	15	40	-31	-32	-33	-28	-31
49	16	0	-32	-34	-31	-29	-28
50	16	19	-33	-31	-28	-31	-29
51	16	39	-31	-32	-32	-30	-28
52	16	59	-32	-31	-30	-32	-28
53	17	18	-30	-32	-32	-28	-28
54	17	43	-32	-32	-29	-28	-32
55	18	3	-32	-30	-28	-30	*
56	18	22	-30	-32	-32	-30	-30
57	18	42	-30	-30	-29	-28	-32
58	19	2	-32	-32	-29	-27	-29
59	19	22	-30	-32	-31	-29	-28
60	19	41	-31	-32	-31	-27	-28
61	20	1	-30	-30	-28	-28	-31
62	20	21	-30	-32	-29	-27	-28
63	20	40	-31	-32	-31	-30	-30
64	21	0	-31	-33	-29	-31	-29
65	21	20	-32	-32	-30	-30	-32
66	21	40	-31	-31	-32	-30	-28
67	21	59	-30	-32	-31	-29	-29
68	22	19	-30	-31	-30	-28	-30
69	22	37	-30	-31	-30	-28	-28
70	*	*	*	*	*	*	*
71	23	18	-30	-30	-29	-30	-30
72	23	37	-30	-30	-28	-31	-30
73	23	57	-31	-29	-29	-30	-30
74	24	17	-30	-30	-29	-29	-28
75	24	36	-30	-30	-30	-29	*
76	24	56	-32	-32	-31	-30	-31
77	25	16	-33	-33	-32	-32	-31
78	25	35	-31	-31	-32	-32	-29
79	25	55	*	*	*	*	-30
80	26	15	-32	-32	-32	-32	-30
81	26	34	-32	-31	-33	-32	-30
82	26	54	-33	-32	-32	-32	-32
83	27	13	-[illegible]	-31	-32	-31	-32
84	27	33	-32	-31	-32	-32	-29
85	27	53	-30	-29	-30	-30	-29
86	28	12	-29	-30	-30	-30	-30
87	*	30	-30	-30	-31	-31	-30
88	28	52	-30	-31	-32	-31	-30
89	29	11	-30	-30	-31	-31	-28
90	29	31	-30	-31	-32	-31	-29
91	29	51	-31	-30	-31	-30	-30
92	30	10	-30	-31	*	*	*
93	30	30	-31	-30	-32	-30	-24
94	30	50	-29	-30	-31	-31	-30
95	31	9	-4	5	51	-2	1

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
-32	-30	-27	-32	-31	-28	-32	-29	-30
-31	-32	-30	-29	-31	-29	-32	-29	-30
-32	-33	-28	-31	-31	-28	-32	-29	-30
-34	-31	-29	-28	-31	-29	-32	-29	-30
-31	-28	-31	-29	-31	-29	-32	-28	-30
-32	-32	-30	-28	-31	-28	-32	-28	-30
-31	-30	-32	-28	-31	-28	-33	-28	-30
-32	-32	-28	-28	-31	-28	-32	-29	-30
-32	-29	-28	-32	-32	-28	-33	-29	-29
-30	-28	-30	*	*	*	*	-28	-30
-32	-32	-30	-30	-31	-28	-34	-28	-29
-30	-29	-28	-32	-31	-28	-34	-28	-29
-32	-29	-27	-29	-30	-28	-33	-28	-30
-32	-31	-29	-28	-30	*	*	*	*
-32	-31	-27	-28	-30	-27	-32	-28	-30
-30	-28	-28	-31	-29	-27	-33	-28	-29
-32	-29	-27	-28	-30	-30	-33	-29	-31
-32	-31	-30	-30	-30	-29	*	*	*
-33	-29	-31	-29	-32	-30	-34	-30	-30
-32	-30	-30	-32	-32	-31	-33	-30	-30
-31	-32	-30	-28	-31	-30	-30	-29	-28
-32	-31	-29	-29	-30	-30	-30	*	-9
-31	-30	-28	-30	-29	-29	-29	-27	-25
-31	-30	-28	-28	-29	-28	-29	-26	-26
*	*	*	*	*	*	*	*	*
-30	-29	-30	-30	-29	-28	*	*	*
-30	-28	-31	-30	-29	-27	-29	-21	-25
-29	-29	-30	-30	-29	-28	-28	-23	-24
-30	-29	-29	-28	-28	-28	-28	-23	-24
-30	-30	-29	*	*	*	*	-23	-25
-32	-31	-30	-31	-29	-27	-29	-24	-25
-33	-32	-32	-31	-29	-26	-28	-25	-26
-31	-32	-32	-29	-29	-26	-28	-24	-26
*	*	*	-30	-29	-25	-28	-24	-26
-32	-32	-32	-30	-30	-24	-27	-23	-25
-31	-33	-32	-30	-30	-24	-27	-23	-26
-32	-32	-32	-32	-30	-23	-27	-23	-26
-31	-32	-31	-32	-30	-22	-26	-22	-24
-31	-32	-32	-29	-29	-21	-26	-21	-24
-29	-30	-30	-29	-29	-21	-25	-20	-24
-30	-30	-30	-30	-30	-20	-24	-20	-23
-30	-31	-31	-30	-28	-20	-25	-21	-24
-31	-32	-31	-30	-30	-19	-25	-19	-24
-30	-31	-31	-28	-28	-19	-25	-19	-24
-31	-32	-31	-29	-29	-18	-24	-20	-23
-30	-31	-30	-30	-28	-18	-24	-18	-23
-31	*	*	*	*	-17	-23	-20	-23
-30	-32	-30	-24	-28	-18	-24	-19	-22
-30	-31	-31	-30	-28	-16	-24	-18	-22
5	51	-2	1	-2	-15	-23	-16	-23

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
96	*	*	29	0	36	16	98
97	31	49	96	27	66	36	*
98	32	8	36	26	31	37	81
99	32	28	1	25	47	41	37
100	32	48	13	11	33	28	22
101	33	7	*	*	9	5	1
102	33	27	-17	-17	-6	-9	-12
103	33	47	-22	-23	-16	-18	-20
104	34	6	-26	-24	-20	-24	-23
105	34	26	-26	-27	-25	-26	-25
106	34	46	-29	-28	-28	-27	-26
107	35	5	-27	-27	-28	-27	-28
108	35	25	-28	-28	-28	-27	-27
109	35	45	-28	-27	-28	-28	-28
110	36	4	-28	-28	-28	-28	-28
111	36	24	-28	-27	-28	-28	-27
112	36	44	-28	-29	-30	-28	-28
113	37	3	-30	-28	-30	-28	-27
114	37	23	-30	-28	-28	-29	-28
115	*	40	-29	-29	-29	-29	-28
116	38	2	-30	-28	-30	-28	-28
117	38	22	-28	-28	-29	-28	-27
118	38	42	-28	-28	-28	-28	-27
119	39	1	-27	-28	-29	-27	-26
120	39	21	-28	-28	-28	-27	-26
121	39	41	-27	-27	-28	-26	-26
122	40	0	-26	-26	-27	-27	-26
123	40	20	-27	-27	-27	-26	-25
124	40	40	-26	-26	-27	-26	-25
125	*	*	*	*	*	*	*
126	41	19	-26	*	*	*	*
127	41	39	-26	-25	-26	-25	-25
128	41	58	-25	-24	-26	-25	-24
129	42	18	-25	-24	-26	-25	-24
130	42	38	-24	-25	-26	-25	-24
131	42	57	-24	-24	-25	-24	-23
132	43	17	-24	-24	-25	-24	-23
133	43	37	-24	-24	-24	-24	-24
134	43	56	-24	-24	-24	-24	-22
135	44	16	-24	-24	-24	-24	-22
136	44	36	-24	-24	-24	-23	-22
137	44	55	-24	-23	-24	*	*
138	45	15	-24	-23	-23	-24	-22
139	45	35	-23	-24	-23	-24	-22
140	45	55	-23	-23	-24	-22	-22
141	46	14	-22	-22	-23	-22	-22
142	46	34	-22	-23	-23	-22	-21
143	46	54	-22	-20	-22	-22	-20
144	47	14	-22	-23	-22	-22	-22
145	47	34	-22	-22	-22	-22	-21

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
0	36	16	98	15	-14	-23	-15	-23
27	66	36	*	28	-13	-22	-13	-22
26	31	37	81	32	-11	-25	-12	-22
25	47	41	37	31	-12	-22	-12	-21
11	33	28	22	20	-14	-21	-11	-20
*	9	5	1	0	-14	-22	-12	-20
-17	-6	-9	-12	-13	-15	-22	-13	-21
-23	-16	-18	-20	-20	-15	-22	-15	-21
-24	-20	-24	-23	-23	-15	-22	-16	-21
-27	-25	-26	-25	-25	-15	-22	-16	-21
-28	-28	-27	-26	-27	-14	*	*	*
-27	-28	-27	-28	-27	-15	-22	-17	-22
-28	-28	-27	-27	-26	-15	-22	-15	-21
-27	-28	-28	-28	-27	-15	-22	-16	-21
-28	-28	-28	-28	-27	-15	-22	-16	-22
-27	-28	-28	-27	-26	-15	-22	-16	*
-29	-30	-28	-28	-26	-17	-22	-18	-21
-28	-30	-28	-27	-27	-20	-22	-20	-22
-28	-28	-29	-28	-28	-21	-22	-20	-21
-29	-29	-29	-28	-27	-21	-23	-20	-22
-28	-30	-28	-28	-27	-21	-22	-20	-21
-28	-29	-28	-27	-27	-22	-21	-19	-21
-28	-28	-28	-27	-27	-22	-22	-19	-20
-28	-29	-27	-26	-25	-21	-21	-18	-19
-28	-28	-27	-26	-26	-20	-22	-18	-20
-27	-25	-26	-26	-26	-21	-22	*	*
-26	-27	-27	-26	-25	-20	-20	-17	-19
-27	-27	-26	-25	-24	-21	-20	-18	-18
-26	-27	-26	-25	-26	-20	-20	-18	-18
*	*	*	*	*	*	*	*	*
*	*	*	*	-25	-20	-18	-17	-18
-25	-26	-25	-25	-24	-19	-20	-16	-17
-24	-26	-25	-24	-24	-18	-18	-16	-17
-24	-26	-25	-24	-24	-18	-19	-16	-16
-25	-26	-25	-24	-24	-17	-19	-14	-16
-24	-25	-24	-23	-23	-18	-18	-14	-16
-24	-25	-24	-23	-22	-17	-18	-14	-17
-24	-24	-24	-24	-22	-18	-18	-15	-16
-24	-24	-24	-22	-23	-17	-17	-14	-16
-24	-24	-24	-22	-22	-18	-17	-14	-16
-24	-24	-23	-22	-22	-17	-18	-14	-15
-23	-24	*	*	-22	-17	-16	-14	-16
-23	-23	-24	-22	-22	-17	-16	-13	-16
-24	-23	-24	-22	-22	-16	-17	-13	-16
-23	-24	-22	-22	-22	-16	-16	-14	-14
-22	-23	-22	-22	-22	-16	-16	-13	-14
-23	-23	-22	-21	-22	-17	-16	-13	-14
-20	-22	-22	-20	-21	*	-16	-12	-14
-23	-22	-22	-22	-21	-16	-16	-12	-14
-22	-22	-22	-21	-21	-17	-16	-12	-13

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
146	47	54	-22	-22	-24	-22	-21
147	48	15	-23	-22	-24	-22	-21
148	48	34	-22	-22	-23	-22	-21
149	48	55	-23	-22	-22	-22	-22
150	*	*	-22	-22	-21	-22	-21
151	49	35	-20	-21	-22	-22	-20
152	49	54	-20	-21	-22	-21	-21
153	50	14	-20	-22	-22	-20	-20
154	50	34	-20	-22	-22	-21	-21
155	50	54	-20	-21	-21	-21	-20
156	51	14	-20	-20	-22	-21	-21
157	51	33	-19	-20	-22	-21	-20
158	51	53	-20	-21	-22	-21	-21
159	52	13	-20	-21	-22	-22	-20
160	52	33	-21	-20	-22	-22	-22
161	52	53	-21	-21	-22	-22	-21
162	53	13	-21	-21	-23	-22	-21
163	53	34	-22	-22	-22	-22	-21
164	53	55	-21	-22	-23	-22	-22
165	54	15	-20	-21	-22	-22	-21
166	54	37	-20	-21	-22	-22	-22
167	54	56	-22	-22	-23	-23	-23
168	55	16	*	-23	*	-22	-22
169	55	36	-22	-23	-23	-23	-22
170	55	57	-21	-23	-24	-23	-23
171	56	17	-22	-22	-24	-23	-22
172	56	37	-21	-23	-23	-22	-21
173	56	58	-19	-21	-22	-22	-22
174	57	20	-18	-20	-22	-22	-20
175	57	40	-16	-20	-21	-21	-21
176	57	59	-16	-19	-21	-21	-21
177	58	20	-16	-19	-21	-22	-21
178	58	42	-16	-20	-20	-21	-20
179	59	2	-14	-18	-19	-21	-19
180	59	22	-9	-14	-14	-16	-16
181	59	47	-6	-11	-11	-15	-15
182	*	*	-6	-12	-10	-14	-16

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
-22	-24	-22	-21	-21	-16	-16	-12	-14
-22	-24	-22	-21	-21	-16	-17	-12	-14
-22	-23	-22	-21	-21	-16	-16	-13	-15
-22	-22	-22	-22	-21	-16	-16	-12	-14
-22	-21	-22	-21	-20	-14	-15	-12	-14
-21	-22	-22	-20	-19	-12	*	-10	-13
-21	-22	-21	-21	-19	-11	-14	-10	-13
-22	-22	-20	-20	-20	-11	-14	-11	-14
-22	-22	-21	-21	-18	-10	-14	-8	-13
-21	-21	-21	-20	-20	-9	-14	-10	-14
-20	-22	-21	-21	-19	-9	-13	-10	-13
-20	-22	-21	-20	-18	-8	-14	-4	-14
-21	-22	-21	-21	-19	-7	-15	-4	-14
-21	-22	-22	-20	-20	-8	-15	-5	-14
-20	-22	-22	-22	-21	-8	-15	-9	-15
-21	-22	-22	-21	-20	-9	-14	-8	-14
-21	-23	-22	-21	-20	-10	-15	-10	-14
-22	-22	-22	-21	-21	-9	-15	-9	-14
-22	-23	-22	-22	-21	-9	-16	-9	-15
-21	-22	-22	-21	-20	-10	-15	-9	-14
-21	-22	-22	-22	-22	-10	-16	-9	-15
-22	-23	-23	-23	-21	-10	-16	-9	-16
-23	*	-22	-22	-22	-10	-16	-9	-16
-23	-23	-23	-22	-21	-10	-16	-10	-15
-23	-24	-23	-23	-20	-10	-16	-10	-16
-22	-24	-23	-22	-21	-9	-17	-6	-16
-23	-23	-22	-21	-21	1	-17	21	-15
-21	-22	-22	-22	-20	15	-19	46	-14
-20	-22	-22	-20	-20	21	-20	52	-14
-20	-21	-21	-21	-19	32	-21	63	-15
-19	-21	-21	-21	-21	43	-22	67	-14
-19	-21	-22	-21	-22	34	-21	48	-14
-20	-20	-21	-20	-20	32	-18	40	-4
-18	-19	-21	-19	-19	45	-10	56	17
-14	-14	-15	-16	-16	63	4	62	35
-11	-11	-15	-15	-14	51	0	59	30
-12	-10	-14	-16	-15	50	-11	60	16

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CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
1	0	11	-31	-31	-32	-31
2	0	31	-32	-31	-32	-31
3	0	51	-32	-31	-32	-31
4	1	11	-31	-31	-32	-31
5	1	31	-32	-32	-32	-31
6	1	50	-31	-32	-31	-32
7	2	10	-32	-31	-31	-32
8	2	30	-31	-31	-32	-31
9	2	50	-32	-32	-31	-31
10	3	10	-31	-30	-32	-31
11	*	*	-32	-31	-32	-32
12	3	50	-32	-30	-32	-32
13	4	9	-32	-32	-31	-30
14	4	29	-32	-32	-32	-31
15	4	49	-32	-32	-31	-31
16	5	9	-32	-32	-31	-32
17	5	29	-31	-32	-30	-32
18	*	*	-31	-32	-31	-32
19	6	8	-32	-31	-32	-30
20	6	28	-32	-32	-32	-31
21	6	48	-31	-31	-31	-32
22	7	8	-32	-31	-30	-31
23	7	27	-31	-32	-32	-32
24	7	47	-32	-32	-32	-31
25	8	7	-32	-31	-32	-32
26	8	27	-32	-31	-31	-31
27	8	46	-32	-31	-31	-32
28	9	6	-31	-32	-32	-32
29	9	26	-32	-32	-32	-32
30	9	46	-31	-32	-31	-31
31	10	5	-32	-32	-32	-31
32	10	25	-31	-32	-31	-31
33	10	45	-32	-32	-30	-31
34	11	4	-31	-32	-31	-32
35	11	24	-31	-32	-30	-32
36	11	44	-25	-31	-25	-30
37	12	4	-21	-30	-16	-28
38	12	23	-20	-29	1	-26
39	12	43	-19	-28	11	-24
40	13	3	-19	-27	13	-23
41	13	22	-16	-26	12	-22
42	13	42	4	-26	13	-20
43	14	2	23	-24	14	-20
44	14	21	25	-22	13	*
45	14	41	26	-20	12	-20

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
46	15	1	26	-21	12	-19
47	*	*	25	-19	11	-18
48	15	40	25	-19	11	-19
49	16	0	25	-18	10	-19
50	16	19	23	-18	10	-19
51	16	39	23	-18	9	-18
52	16	59	22	-18	9	-18
53	17	18	22	-17	9	-17
54	17	43	15	-16	3	-18
55	18	3	14	-16	3	-18
56	18	22	14	-17	3	-18
57	18	42	14	-15	3	-18
58	19	2	13	-16	3	-18
59	19	22	*	-15	2	-18
60	19	41	12	-15	2	-18
61	20	1	11	-16	1	-18
62	20	21	10	-16	1	-18
63	20	40	*	-16	1	-18
64	21	0	20	-16	0	-18
65	21	20	38	-14	0	-18
66	21	40	57	-12	0	-19
67	21	59	*	*	0	-19
68	22	19	59	-4	0	-19
69	22	37	58	1	0	-19
70	*	*	*	*	*	*
71	23	18	*	4	-2	-19
72	23	37	56	7	-1	-18
73	23	57	53	8	-1	-19
74	24	17	52	11	-2	-19
75	24	36	51	12	-2	-19
76	24	56	48	12	-2	-19
77	25	16	45	14	-2	-19
78	25	35	43	18	-4	-18
79	25	55	43	19	-2	-19
80	26	15	41	22	-4	-19
81	26	34	40	24	-4	-19
82	26	54	38	25	-4	-19
83	27	13	37	30	-5	-20
84	27	33	35	30	-1	-19
85	27	53	35	31	19	-18
86	28	12	34	34	37	-17
87	*	30	33	35	38	-13
88	28	52	32	36	38	-10
89	29	11	32	37	36	-6
90	29	31	30	38	34	-2
91	29	51	29	40	32	1
92	30	10	29	41	30	4
93	30	30	29	41	28	7
94	30	50	28	42	27	9
95	31	9	28	41	27	13

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (FR) TEMP DEG.C
96	*	*	27	44	27	16
97	31	49	27	43	25	19
98	32	8	26	45	24	22
99	32	28	26	48	24	25
100	32	48	25	47	22	27
101	33	7	25	48	21	30
102	33	27	25	48	22	32
103	33	47	24	45	20	34
104	34	6	24	45	20	35
105	34	26	23	45	19	37
106	34	46	22	44	19	40
107	35	5	23	44	19	41
108	35	25	22	44	18	42
109	35	45	22	43	18	43
110	36	4	22	43	18	45
111	36	24	17	*	*	45
112	36	44	22	42	16	44
113	37	3	21	42	15	44
114	37	23	19	44	14	42
115	*	43	19	42	13	41
116	38	2	18	*	*	40
117	38	22	19	41	12	42
118	38	42	18	41	11	40
119	39	1	17	40	11	42
120	39	21	17	41	10	41
121	39	41	*	41	10	42
122	40	0	17	42	9	41
123	40	20	15	42	9	42
124	40	40	15	42	9	41
125	*	*	*	*	*	*
126	41	19	15	42	8	42
127	41	39	15	42	8	41
128	41	58	15	42	7	39
129	42	18	14	42	7	42
130	42	38	14	41	6	42
131	42	57	14	41	7	45
132	43	17	15	42	7	45
133	43	37	14	43	6	43
134	43	56	14	43	7	43
135	44	16	14	44	7	43
136	44	36	14	43	5	43
137	44	55	14	43	8	43
138	45	15	13	44	6	45
139	45	35	13	44	6	44
140	45	55	13	43	7	45
141	46	14	13	44	6	43
142	46	34	13	44	6	43
143	46	54	13	44	5	43
144	47	14	13	44	5	42
145	47	34	12	44	6	46

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
146	47	54	13	44	6	45
147	48	15	13	44	6	46
148	48	34	12	44	7	47
149	48	55	13	44	7	46
150	*	*	13	45	7	49
151	49	35	13	45	8	51
152	49	54	14	45	9	51
153	50	14	14	45	9	50
154	50	34	14	45	9	51
155	50	54	14	44	9	52
156	51	14	14	45	9	52
157	51	33	15	45	10	52
158	51	53	14	45	*	51
159	52	13	15	46	10	51
160	52	33	14	44	11	52
161	52	53	14	44	11	52
162	53	13	13	45	12	52
163	53	34	14	44	12	52
164	53	55	12	44	12	51
165	54	15	13	45	12	50
166	54	37	13	44	11	50
167	54	56	12	44	11	50
168	55	16	13	44	11	51
169	55	36	13	44	11	51
170	55	57	13	43	12	51
171	56	17	12	44	11	52
172	56	37	14	47	13	54
173	56	58	15	46	14	54
174	57	20	15	45	15	52
175	57	40	16	44	15	51
176	57	59	17	43	15	49
177	58	20	25	42	15	48
178	58	42	31	42	15	46
179	59	2	33	43	22	46
180	59	22	35	44	37	46
181	59	43	35	42	35	46
182	*	*	34	40	39	44

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RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C
1	0	13	-25	-26	-25	-27	-25
2	0	33	-25	-25	-26	-25	-27
3	0	53	-26	-25	-26	-26	-26
4	1	13	-26	-25	-26	-25	-26
5	1	33	-25	*	*	*	*
6	1	53	-25	-25	-26	-25	-26
7	2	13	-25	-26	-25	-26	-26
8	2	33	-25	-25	-25	-25	-27
9	2	53	-26	-26	-26	-26	-26
10	3	12	-24	-26	-25	-26	-26
11	3	32	-26	-25	-25	-26	-26
12	3	52	-25	-25	-26	-26	-27
13	4	12	-25	-26	-25	-27	-26
14	4	32	-26	-25	-25	-26	-26
15	4	52	-25	-25	-25	-26	-26
16	5	11	-26	-25	-25	-26	-26
17	5	31	-25	-26	-24	-26	-27
18	5	51	-25	-26	-26	-26	-25
19	6	11	-26	-25	-26	-25	-26
20	6	31	-25	-25	-25	-27	-26
21	6	50	-24	-26	-26	-27	-25
22	7	10	-26	-26	-26	-26	-26
23	7	30	-25	-25	-26	-25	-27
24	7	50	-25	-25	-25	-25	-27
25	8	9	-25	-25	-27	-25	-27
26	8	29	-26	*	*	*	*
27	8	49	-25	-26	-26	-26	-26
28	9	9	-27	-25	-25	-25	-26
29	9	28	-25	-25	-26	-25	-26
30	9	48	-25	-26	-26	-26	-27
31	10	8	-25	-26	-25	-26	-26
32	10	27	-25	-26	-26	-26	-25
33	*	*	-26	-25	-26	-26	-26
34	11	7	-26	-26	-25	-26	-26
35	11	27	-25	-25	-25	-26	-25
36	11	46	-26	-26	-25	-27	-18
37	12	6	-26	-25	-26	-26	-17
38	12	26	-26	-26	-27	-25	-19
39	12	45	-26	-25	-25	-26	-19
40	13	5	-26	-25	-26	-26	-19
41	13	25	-26	-25	-25	-27	-17
42	13	44	-25	-25	-25	-26	-13
43	14	4	-25	-25	-26	-26	-10
44	*	24	-26	-25	-25	-25	-12
45	14	43	-25	-25	-25	-26	-14

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7-06 G.1 NIT CITR SKIN NBD C.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
-26	-25	-27	-25	-26	-26	-26	-26	-25
-25	-26	-25	-27	-25	-27	-27	-25	-25
-25	-26	-26	-26	-26	-26	-26	-25	-26
-25	-26	-25	-26	-27	-27	-26	-25	-26
*	*	*	*	*	*	-26	-25	-26
-25	-26	-25	-26	-26	-27	-26	-26	-26
-26	-25	-26	-26	-26	-27	-26	-26	-25
-25	-25	-25	-27	-26	-27	-26	-26	-25
-26	-26	-26	-26	-26	-27	-26	-26	-26
-26	-25	-26	-26	-26	-26	-26	-26	-25
-25	-25	-26	-26	-26	-27	-25	-25	-25
-25	-26	-26	-27	*	*	*	-25	-24
-26	-25	-27	-26	-26	-27	-26	-25	-26
-25	-25	-26	-26	-27	-27	-26	-25	-25
-25	-25	-26	-26	-26	-25	-27	-25	-26
-25	-25	-26	-26	-27	-27	-26	-26	-26
-26	-24	-26	-27	-26	-27	-26	-26	-25
-26	-26	-26	-25	-27	-26	-25	-26	-26
-25	-26	-25	-26	*	*	-26	-25	-25
-25	-25	-27	-26	-26	-26	-26	-25	-26
-26	-26	-27	-25	-27	-26	-27	-25	-26
-26	-26	-26	-26	-27	-27	-26	-26	-26
-25	-26	-25	-27	-26	-27	-25	-25	-27
-25	-25	-25	-27	-26	-26	-27	-26	-25
-25	-27	-25	-27	-26	-27	-26	-26	-26
*	*	*	*	*	-27	-26	-25	-25
-26	-26	-26	-26	-26	-27	-26	-25	-25
-26	-25	-26	-26	-26	-27	-27	-26	-25
-25	-26	-25	-26	-26	-27	-26	-26	-26
-26	-26	-26	-27	-25	-27	-27	-25	-25
-26	-25	-26	-26	-27	-26	-27	-26	-26
-26	-26	-26	-25	-27	-27	-26	-24	-26
-25	-26	-26	-26	-27	-27	-26	-25	-26
-26	-25	-26	-26	-26	-26	-25	-25	-26
-25	-25	-26	-25	-27	-26	-26	-26	-25
-26	-25	-27	-18	-26	-27	-26	-25	-25
-25	-26	-26	-17	-25	-27	*	*	*
-26	-27	-25	-19	-25	-27	-26	-25	-26
-25	-25	-26	-19	-25	-27	-27	-26	-26
-25	-26	-26	-19	-25	-26	-25	-26	-25
-25	-25	-27	-17	-25	-26	-25	-25	-26
-25	-25	-25	-13	-24	-26	-25	-24	-25
-25	-26	-26	-10	-25	-25	-25	-25	-25
-25	-25	-25	-12	-24	-27	-24	-25	-26
-25	-25	-26	-14	-24	-27	-23	-24	-25

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7 EN
46	15	3	-27	-26	-25	-25	-13	
47	15	23	-26	-25	-26	-25	-14	
48	15	42	-25	-25	-25	-25	*	
49	16	2	-25	-25	-25	-24	-16	
50	16	22	-26	-25	-25	-25	-15	
51	16	41	-26	-25	-25	-25	-16	
52	17	1	-25	-24	-24	-24	-16	
53	17	21	-25	-25	-25	-24	-16	
54	17	45	-25	-25	-25	-23	-17	
55	18	5	-24	-24	-25	-24	-16	
56	18	25	-25	-25	-25	-23	-16	
57	18	45	-25	-25	-24	-23	-17	
58	19	4	-25	-25	-25	-24	-16	
59	19	24	-25	-24	-25	-23	-17	
60	19	44	-24	-25	-24	-23	-16	
61	20	3	-25	-24	-25	-23	-16	
62	20	23	-25	-25	-25	-23	-16	
63	20	43	-25	-25	-24	-24	-16	
64	21	3	-24	-24	-25	-26	-11	
65	21	22	-24	-25	-24	-24	-1	
66	21	42	-23	-24	-24	-24	3	
67	22	2	-23	-23	-24	-24	7	
68	22	21	-23	-23	-23	-23	10	
69	22	41	-23	-23	-24	-23	14	
70	*	*	*	*	*	*	*	
71	23	20	-22	-23	-22	-22	19	
72	23	40	-22	-22	-22	-24	22	
73	24	0	-22	-23	-22	-23	24	
74	24	19	-21	-21	-22	-23	26	
75	24	39	-21	-22	-22	-23	28	
76	24	58	-21	-22	-21	-24	30	
77	25	18	-20	-21	-21	-23	34	
78	25	38	-20	-21	-21	-24	36	
79	25	57	-19	-20	-21	-23	43	
80	26	17	-18	-20	-20	-23	47	
81	26	37	-16	-20	-19	-23	49	
82	26	56	-17	-20	-20	-24	53	
83	27	16	-16	-19	-18	-23	56	
84	27	35	-16	-18	-19	-23	58	
85	27	55	-15	-18	-18	-22	61	
86	28	15	-14	-17	-19	-22	63	
87	28	34	-14	-17	-17	-23	64	
88	*	*	-12	-18	-17	-22	64	
89	29	14	-12	-16	-17	-21	64	
90	29	33	-11	-16	-17	-22	66	
91	29	53	-11	-16	-17	-21	66	
92	30	13	-10	-16	-16	-22	65	
93	30	32	-10	-16	-17	-21	64	
94	30	52	-9	-15	-16	-22	65	
95	31	12	-9	-14	-16	-19	64	

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
-26	-25	-25	-13	-25	-26	-24	-25	-26
-25	-26	-25	-14	-24	-26	-23	-25	-24
-25	-25	-25	*	*	*	-22	-26	-25
-25	-25	-24	-16	-24	-25	-23	-26	-25
-25	-25	-25	-15	-25	-25	-23	-25	-25
-25	-25	-25	-16	-24	-26	-22	-25	-25
-24	-24	-24	-16	-24	-25	-22	-26	*
-25	-25	-24	-16	-23	-25	-21	-25	-25
-25	-25	-23	-17	-24	-23	-20	-25	-23
-24	-25	-24	-16	-24	-23	-20	-25	-24
-25	-25	-23	-16	-24	-22	-19	-24	-23
-25	-24	-23	-17	-24	-23	-20	-25	-23
-25	-25	-24	-16	-24	-23	-20	-24	-24
-24	-25	-23	-17	-24	-23	-19	-25	-23
-25	-24	-23	-16	-24	-23	-19	-24	-23
-24	-25	-23	-16	-24	-22	-19	-24	-22
-25	-25	-23	-16	-24	-23	-19	-24	-23
-25	-24	-24	-16	-24	-24	-20	-24	-23
-24	-25	-26	-11	-23	-22	-22	-23	-23
-25	-24	-24	-1	-21	-16	-17	-17	-16
-24	-24	-24	3	-19	-14	-14	-13	-11
-23	-24	-24	7	-18	-13	-13	-11	-9
-23	-23	-23	10	-17	-13	-11	-8	-7
-23	-24	-23	14	-16	-13	-11	-8	-6
*	*	*	*	*	*	*	*	*
-23	-22	-22	19	-15	-10	-10	-7	-5
-22	-22	-24	22	-14	-10	-11	-7	-5
-23	-22	-23	24	-14	-12	-10	-7	-5
-21	-22	-23	26	-13	-12	-11	-6	-6
-22	-22	-23	28	-13	-8	-7	-3	-3
-22	-21	-24	30	-14	-0	5	8	8
-21	-21	-23	34	-14	0	9	13	14
-21	-21	-24	38	-15	5	15	19	19
-20	-21	-23	43	-15	6	18	22	22
-20	-20	-23	47	-16	5	19	23	23
-20	-19	-23	49	-16	6	20	25	23
-20	-20	-24	53	-16	5	18	25	24
-19	-18	-23	56	-16	7	18	25	26
-18	-19	-23	58	-14	6	*	26	26
-18	-16	-22	61	-15	8	20	27	26
-17	-19	-22	63	-16	8	21	27	27
-17	-17	-23	64	-16	7	19	27	26
-18	-17	-22	64	-14	7	19	28	26
-16	-17	-21	64	-14	7	19	27	26
-16	-17	-22	66	-14	8	19	28	26
-16	-17	-21	66	-12	-2	11	19	19
-16	-16	-22	65	-12	0	11	18	19
-16	-17	-21	64	-13	0	14	19	19
-15	-16	-22	65	-11	-3	8	12	11
-14	-16	-19	64	-11	-0	9	14	13

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C
96	31	31	-9	-14	-15	-17	65
97	*	*	*	-14	-16	-16	64
98	32	11	-9	-14	-16	-14	65
99	32	30	-9	-13	-14	-15	66
100	32	50	-8	-14	-14	-17	66
101	33	10	-8	-12	-13	-18	66
102	33	29	-7	-13	-14	-17	66
103	33	49	-7	-12	-14	-18	66
104	34	9	-6	-14	-13	-19	66
105	34	28	-6	-12	-14	-20	65
106	34	48	-6	-12	-13	-20	65
107	35	8	-7	-11	-13	-19	66
108	35	27	-6	-11	-13	-19	64
109	35	47	-6	-11	-12	-19	64
110	36	7	-4	-11	-12	-19	65
111	36	26	-4	-11	-13	-19	65
112	36	46	-5	-11	-13	-19	64
113	37	6	-4	-11	-13	-20	64
114	37	26	-3	-10	-13	-20	65
115	37	45	-3	-10	-12	-20	65
116	38	5	-4	-8	-13	-19	66
117	38	24	-4	-9	-13	-19	66
118	38	44	-3	-11	-12	-18	67
119	39	4	-7	-9	-12	-17	67
120	39	23	-3	-9	-13	-18	68
121	39	43	-3	-9	-10	-17	68
122	40	3	-1	-9	-11	-17	67
123	40	19	-2	-9	-11	-17	67
124	40	42	-1	-9	-10	-17	67
125	*	*	*	*	*	*	*
126	41	22	-1	-8	-10	-17	70
127	41	41	-1	-8	-11	-16	69
128	42	1	0	-7	-9	-17	68
129	42	19	0	-8	-10	-16	69
130	42	40	0	-7	-10	-15	69
131	43	0	0	-8	-9	-14	69
132	*	*	0	-6	-9	-14	70
133	43	39	0	-7	-9	-14	70
134	43	59	0	-4	-8	-14	70
135	44	19	0	-6	-8	-15	70
136	44	38	1	-6	-8	-14	70
137	44	58	0	-4	-8	-15	69
138	45	18	1	-5	-7	-14	69
139	45	37	2	-5	-8	-13	69
140	45	57	1	-4	-7	-14	70
141	46	17	2	-4	-7	-13	70
142	46	36	2	-4	-7	-14	70
143	46	56	2	-4	-5	-14	69
144	47	16	3	-3	-7	-13	70
145	47	36	3	-4	-7	-13	70

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
-14	-15	-17	65	-9	1	13	17	16
-14	-16	-16	64	-9	1	12	17	17
-14	-16	-14	65	-9	3	14	20	18
-13	-14	-15	66	-9	3	14	21	19
-14	-14	-17	66	-9	3	16	20	19
-12	-13	-18	66	-9	3	15	21	19
-13	-14	-17	66	-9	3	*	*	*
-12	-14	-18	66	-9	1	14	20	17
-14	-13	-19	66	-10	2	13	20	17
-12	-14	-20	65	-9	1	15	19	17
-12	-13	-20	65	-10	3	15	20	17
-11	-13	-19	66	-9	2	15	19	18
-11	-13	-19	64	-9	3	14	20	19
-11	-12	-19	64	-9	3	15	20	19
-11	-12	-19	65	-9	3	14	20	18
-11	-13	-19	65	-10	3	15	20	19
-11	-13	-19	64	-10	7	18	24	22
-11	-13	-20	64	-11	9	21	24	24
-10	-13	-20	65	-13	9	21	24	22
-10	-12	-20	65	-13	9	21	23	21
-8	-13	-19	66	-13	10	24	23	20
-9	-13	-19	66	-14	13	29	27	27
-11	-12	-18	67	-15	13	29	28	29
-9	-12	-17	67	-16	13	31	27	28
-9	-13	-18	68	-16	14	31	27	28
-9	-10	-17	68	-15	14	31	28	29
-9	-11	-17	67	-14	14	32	27	30
-9	-11	-17	67	-16	15	32	29	32
-9	-10	-17	67	-16	16	31	31	32
*	*	*	*	*	*	*	*	*
-8	-10	-17	70	-16	20	38	35	40
-8	-11	-16	69	-16	*	*	35	42
-7	-9	-17	68	-12	19	39	36	41
-6	-10	-16	69	*	20	39	38	43
-7	-10	-15	69	-16	22	39	38	43
-8	-9	-14	69	-15	20	39	39	44
-6	-9	-14	70	-16	21	40	38	43
-7	-9	-14	70	-12	20	37	37	38
-4	-8	-14	70	-16	19	36	38	40
-6	-8	-15	70	-16	20	36	39	38
-6	-8	-14	70	-15	19	36	38	39
-4	-8	-15	69	-16	20	37	37	40
-5	-7	-14	69	-14	*	37	39	39
-5	-8	-13	69	-16	21	38	39	40
-4	-7	-14	70	-15	19	38	40	42
-4	-7	-13	70	-15	21	38	40	43
-4	-7	-14	70	-15	21	39	42	43
-4	-5	-14	69	-15	21	38	42	45
-3	-7	-13	70	-14	21	*	43	46
-4	-7	-13	70	-14	19	35	42	41

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7- ENG FU PU CA TE DEG
146	47	56	3	-3	-6	-14	69	-1
147	48	17	3	-3	-6	-14	69	-1
148	48	37	4	-3	-6	-13	68	-1
149	48	58	4	-3	-4	-14	71	-1
150	49	17	5	-3	-5	-14	69	-1
151	49	37	5	-2	-4	-12	68	-
152	49	57	5	-2	-5	-14	67	-
153	50	17	5	-1	-5	-13	66	-
154	50	36	6	-2	-4	-13	66	-
155	50	56	6	-1	-4	-14	65	-
156	51	16	4	-1	-4	-14	65	-
157	51	36	5	-2	-4	-13	66	-
158	51	56	5	0	-4	-14	65	-
159	52	15	4	-1	-3	-14	64	-
160	52	35	4	-1	-5	-14	63	-
161	52	55	4	-1	-3	-14	64	-
162	53	15	4	-1	-4	-14	64	-
163	53	37	4	-1	-3	-14	64	-
164	53	58	4	-1	-4	-14	64	-
165	54	18	5	-2	-4	-14	65	-
166	54	39	5	-1	-3	-14	66	-
167	54	59	4	-1	-4	-15	64	-
168	55	19	5	-1	-4	-14	64	-
169	*	*	4	-2	-4	-15	64	-
170	55	59	5	-1	-4	-15	64	-
171	56	19	4	-0	-4	-14	65	-
172	56	39	4	-1	-4	-10	64	-
173	57	1	3	-0	-3	-6	63	-
174	57	22	3	0	-2	1	60	-
175	57	42	3	0	-2	1	59	-
176	58	2	3	0	-1	-5	57	-
177	58	23	4	0	-2	-9	60	-
178	58	44	4	0	0	-5	58	-
179	59	4	4	1	1	-1	57	-
180	59	25	6	2	7	0	55	
181	59	45	6	3	7	3	54	-
182	60	5	6	3	3	4	53	-

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
-3	-6	-14	69	-13	18	33	38	38
-3	-6	-14	69	-14	18	32	38	37
-3	-6	-13	68	-11	19	32	39	38
-3	-4	-14	71	-10	19	33	40	39
-3	-5	-14	69	-10	13	29	35	35
-2	-4	-12	68	-9	11	22	29	26
-2	-5	-14	67	-9	10	22	26	24
-1	-5	-13	66	-6	10	20	27	25
-2	-4	-13	66	-7	10	22	27	25
-1	-4	-14	65	-8	10	21	27	25
-1	-4	-14	65	-7	7	21	24	24
-2	-4	-13	66	-5	0	8	15	15
0	-4	-14	65	-4	-1	1	8	8
-1	-3	-14	64	-3	-1	0	7	*
-1	-5	-14	63	-6	11	19	23	24
-1	-3	-14	64	-7	14	25	30	30
-1	-4	-14	64	-9	14	26	32	32
-1	-3	-14	64	-8	14	26	33	32
-1	-4	-14	64	-8	10	22	30	29
-2	-4	-14	65	-7	9	21	29	27
-1	-3	-14	66	-7	9	20	28	26
-1	-4	-15	64	-7	7	20	27	25
-1	-4	-14	64	-7	8	21	26	25
-2	-4	-15	64	-7	7	20	26	25
-1	-4	-15	64	-7	7	20	26	24
-0	-4	-14	65	-6	2	14	21	22
-1	-4	-10	64	-4	-4	2	11	10
-0	-3	-6	63	-3	-8	0	6	4
0	-2	1	60	-3	-6	0	5	4
0	-2	1	59	-3	-7	0	5	4
0	-1	-5	57	-3	-8	0	2	2
0	-2	-9	60	-0	-13	-6	-3	-4
0	0	-5	58	-1	-14	-8	-6	-6
1	1	-1	57	-1	-14	-9	-7	-8
2	7	0	55	0	-11	-6	-6	-7
3	7	3	54	-0	-9	-4	-3	-5
3	3	4	53	-0	-9	-5	-3	-5

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CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
1	0	13	-26	-25	-25	-25	-24
2	0	33	-26	-26	-25	-25	-25
3	0	53	-27	-25	-25	-25	-25
4	1	13	-26	-26	-25	-25	-25
5	1	33	-26	-26	-25	-25	-25
6	1	53	-26	-26	-26	-25	-25
7	2	13	-25	-26	-25	-25	-23
8	2	33	-26	-25	-25	-26	-24
9	2	53	-26	-27	-25	-24	-25
10	3	12	-26	-26	-25	-25	-25
11	3	32	-26	-26	-26	-25	-25
12	3	52	-26	-26	-25	-25	-25
13	4	12	-27	-26	-25	-24	-24
14	4	32	-26	-27	-25	-26	-24
15	4	52	-26	-26	-26	-25	-25
16	5	11	-26	-25	-26	-26	-25
17	5	31	-27	-27	-25	-26	-25
18	5	51	-26	-26	-25	-25	-25
19	6	11	-25	-26	-24	-25	-24
20	6	31	-25	-26	-25	-25	-25
21	6	50	-26	-26	-26	-25	-25
22	7	10	-26	-26	-24	-25	-25
23	7	30	-25	-27	-26	-26	-25
24	7	50	-25	-25	-25	-26	-25
25	8	9	-25	-26	-25	-25	-24
26	8	29	-26	-26	-25	-25	-24
27	8	49	-27	-25	-25	-26	-25
28	9	9	-25	-27	-26	-25	-24
29	9	28	-27	-26	-25	-26	-25
30	9	48	-27	-26	*	*	*
31	10	8	-26	-26	-25	-26	-25
32	10	27	-26	-26	-26	-25	-25
33	*	*	-26	-26	-25	-26	-25
34	11	7	-27	-26	-25	-25	-25
35	11	27	-27	-26	-25	-25	-24
36	11	46	-27	-27	-25	-25	-25
37	12	6	-26	-26	-25	-24	-25
38	12	26	-25	-26	-25	-24	-24
39	12	45	-25	-25	-26	-25	-25
40	13	5	-26	-25	-25	-25	-24
41	13	25	-25	-25	-25	-24	-24
42	13	44	-24	-25	-22	-24	-22
43	14	4	-23	-24	-22	-23	-22
44	*	21	-22	-25	-23	-23	-21
45	14	43	-22	-23	-23	-22	-23

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25 MARCH 1970
RUN NO. 6 -25 DEG F

7-21 ENG.1 NPRS CSE TG.5 0.00 EG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 POWER TURB CASE 8.00 DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 TS HRNESS TEMP DEG.C
-25	-25	-25	-24	-26	-25	-25	-25
-26	-25	-25	-25	*	*	*	*
-25	-25	-25	-25	-25	-25	-25	-26
-26	-25	-25	-25	-25	-25	-25	-25
-26	-25	-25	-25	-25	-26	-25	-25
-26	-26	-25	-25	-25	-25	-25	-26
-26	-25	-25	-23	-25	-25	-24	-26
-25	-25	-26	-24	-25	-26	-25	-26
-27	-25	-24	-25	-26	-26	-25	-26
-26	-25	-25	-25	-25	-26	-24	-26
-25	-26	-25	-25	-25	-25	-25	-25
-26	-25	-25	-25	-24	-25	-25	-25
-26	-25	-24	-24	-25	-24	-25	-25
-27	-25	-26	-24	-25	-26	-25	-25
-26	-26	-25	-25	-26	-25	-24	-26
-25	-26	-26	-25	-26	-26	-24	*
-27	-25	-26	-25	-26	-26	-25	-26
-26	-25	-25	-25	-25	-25	-25	-25
-26	-24	-25	-24	-26	-25	-25	-25
-26	-25	-25	-25	-25	-25	-25	-25
-26	-26	-25	-25	-25	-25	-24	-26
-26	-24	-25	-25	-25	-25	-25	-26
-27	-26	-26	-25	-25	-24	*	*
-25	-25	-26	-25	-25	-26	-25	-26
-26	-25	-25	-24	-25	-25	-25	-26
-26	-25	-25	-24	-25	-25	-25	-25
-25	-25	-26	-25	-25	-26	-26	-26
-27	-26	-25	-24	-25	-26	-25	-26
-26	-25	-26	-25	-25	-26	-25	-25
-26	*	*	*	*	*	-25	-26
-26	-25	-26	-25	-25	-25	-25	-26
-26	-26	-25	-25	-25	-25	-25	-25
-26	-25	-26	-25	-25	-25	-25	-26
-26	-25	-25	-25	-26	-26	-24	-26
-26	-25	-25	-24	-26	-25	-25	-26
-27	-25	-25	-25	-26	-25	-25	-27
-26	-25	-24	-25	-25	-25	-24	-26
-26	-25	-24	-24	-25	-25	-24	-26
-25	-26	-25	-25	-25	-25	-24	-26
-25	-25	-25	-24	-25	-25	-24	-26
-25	-25	-24	-24	-25	*	*	*
-25	-22	-24	-22	-25	-23	-24	-25
-24	-22	-23	-22	-24	-24	-24	-25
-25	-23	-23	-21	-23	-24	-22	-25
-23	-23	-22	-23	-23	-23	-23	-24

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
46	15	3	-22	-24	-23	-23	-22
47	15	23	-21	-24	-22	-22	-22
48	15	42	-21	-24	-22	-24	-22
49	16	2	-20	-24	-23	-22	-22
50	16	22	-20	-23	-23	-23	-23
51	16	41	-21	-23	-23	-22	-22
52	17	1	*	-22	-23	-23	-22
53	17	21	-20	-22	-23	-23	-22
54	17	45	-18	-20	-23	-22	-22
55	18	5	-18	-20	-23	-22	-22
56	18	25	-18	-20	-24	-23	*
57	18	45	-19	-20	-22	-22	-22
58	19	4	-18	-20	-23	-22	-22
59	19	24	-18	-20	-22	-22	-22
60	19	44	-19	-20	-22	-23	-22
61	20	3	-18	-20	-22	-22	-22
62	20	23	-19	-20	-22	-22	-22
63	20	44	-19	-20	-23	-23	-21
64	21	3	-20	-20	-19	-18	-19
65	21	22	-18	-20	25	21	21
66	21	42	-15	-15	61	58	60
67	22	2	-13	-10	85	80	82
68	22	21	-11	-7	97	92	96
69	22	41	-9	-5	106	103	104
70	*	*	*	*	*	*	*
71	23	20	-7	-2	113	113	113
72	23	40	-7	-2	115	114	115
73	24	0	-7	-2	116	117	115
74	24	19	-6	-1	116	118	116
75	24	39	-6	-1	132	134	129
76	24	58	1	9	188	*	*
77	25	18	7	29	207	203	200
78	25	38	12	42	226	219	217
79	25	57	15	53	231	228	223
80	26	17	19	*	232	229	227
81	26	37	18	61	233	229	226
82	26	56	19	62	232	230	227
83	27	16	20	63	231	232	228
84	27	35	20	64	235	232	229
85	27	55	21	63	235	235	229
86	28	15	22	64	237	237	232
87	28	34	22	65	232	234	229
88	*	*	22	66	234	233	228
89	29	14	22	65	233	230	227
90	29	33	23	66	232	231	227
91	29	53	20	64	213	209	204
92	30	13	17	50	199	201	194
93	30	32	17	*	209	207	201
94	30	52	15	44	184	185	178
95	31	12	14	37	165	168	161

7-21 ENG.1 HPRS CSE STG.5 8.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 POWER TURB CASE 8.00 DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
-24	-23	-23	-22	-23	-24	-23	-25
-24	-22	-22	-22	-24	-23	-23	-25
-24	-22	-24	-22	-24	-23	-22	-25
-24	-23	-22	-22	-23	-23	-23	-24
-23	-23	-23	-23	-23	-23	-23	-25
-23	-23	-22	-22	-22	-23	-22	-25
-22	-23	-23	-22	-22	-21	-22	-25
-22	-23	-23	-22	-23	-23	-22	-25
-20	-23	-22	-22	-23	-23	-23	-24
-20	-23	-22	-22	-23	-22	-23	-24
-20	-24	-23	*	*	*	*	*
-20	-22	-22	-22	-24	-23	-22	-25
-20	-23	-22	-22	-22	-23	-23	-24
-20	-22	-22	-22	-24	-23	-22	-25
-20	-22	-23	-22	*	*	*	*
-20	-22	-22	-22	-23	-23	-22	-24
-20	-22	-22	-22	-23	-23	-22	-23
-20	-23	-23	-21	-22	-23	-22	-23
-20	-19	-18	-19	-18	-22	*	*
-20	25	21	21	7	-3	3	-19
-15	63	58	60	41	24	33	-22
-10	85	80	82	76	54	64	-21
-7	97	92	96	110	83	*	*
-5	106	103	104	138	111	115	-19
*	*	*	*	*	*	*	*
-2	113	113	113	177	155	147	-16
-2	115	114	115	*	*	*	*
-2	116	117	115	201	183	169	-13
-1	116	118	116	209	191	177	-11
-1	132	134	129	217	198	184	-8
9	188	*	*	*	*	188	-4
28	207	203	200	250	215	200	0
42	226	219	217	270	226	211	4
53	231	228	223	290	239	225	9
*	232	229	227	302	252	235	15
61	233	229	226	310	260	244	20
62	232	230	227	314	265	249	25
63	233	232	228	318	272	254	29
64	235	232	229	323	276	256	32
63	235	235	229	324	280	263	36
64	237	237	232	326	283	266	40
65	232	234	229	327	283	267	43
66	234	233	228	328	284	268	47
65	233	230	227	327	284	268	49
66	232	231	227	325	285	268	51
64	210	209	204	315	278	265	54
50	199	201	194	296	271	250	55
*	209	207	201	290	263	249	57
44	194	185	178	277	256	241	58
37	185	181	181	267	250	231	58

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7 EN PO T C 4 DE
96	31	31	16	38	196	196	192	2
97	*	*	17	41	197	200	193	2
98	32	11	17	44	205	204	204	2
99	32	30	19	48	210	209	202	2
100	32	50	20	50	212	210	204	2
101	33	10	19	51	211	212	205	2
102	33	29	17	51	211	208	204	2
103	33	49	18	51	209	208	206	2
104	34	9	19	51	210	208	205	2
105	34	28	19	51	209	208	205	2
106	34	48	18	51	209	209	205	2
107	35	8	19	*	*	*	204	2
108	35	27	18	50	210	209	203	2
109	35	47	19	51	209	209	207	2
110	36	7	19	52	210	207	205	2
111	36	26	19	53	210	209	204	2
112	36	46	19	53	*	*	*	2
113	37	6	22	57	240	232	236	2
114	37	26	23	56	241	234	240	3
115	37	45	24	56	242	236	241	3
116	38	5	25	57	252	245	247	3
117	38	24	28	59	*	*	*	3
118	38	44	29	64	277	268	269	3
119	39	4	31	65	278	268	270	3
120	39	23	32	65	277	270	269	3
121	39	43	32	66	278	270	268	3
122	40	3	32	*	279	272	271	3
123	40	19	33	68	280	271	272	3
124	40	42	33	69	280	274	272	3
125	*	*	*	*	*	*	*	
126	41	22	38	73	302	292	292	4
127	41	41	39	77	303	294	295	4
128	42	1	41	78	302	296	296	4
129	42	19	41	79	304	296	296	4
130	42	40	41	80	306	297	297	4
131	43	0	41	80	306	297	296	4
132	*	*	43	80	305	298	297	4
133	43	39	41	80	292	287	286	
134	43	59	39	77	290	284	282	4
135	44	19	38	76	289	284	283	4
136	44	38	40	76	290	284	284	4
137	44	58	39	77	290	286	282	4
138	45	18	40	77	291	286	284	4
139	45	37	41	79	291	287	285	4
140	45	57	40	80	292	288	287	4
141	46	17	41	80	293	288	287	4
142	46	36	42	79	295	289	288	4
143	46	56	43	80	294	291	289	4
144	47	16	43	82	295	290	290	4
145	47	36	41	82	278	273	273	4

7-21 ENG.1 HPRS CSE TG.5 8.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 POWER TURB CASE 8.00 DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
38	196	196	192	261	247	227	60
41	197	200	193	261	246	228	59
44	205	204	204	263	247	230	61
48	210	209	202	268	250	232	61
50	212	210	204	271	252	234	61
51	211	212	205	271	250	234	63
51	211	208	204	271	249	234	63
51	209	208	206	270	249	233	63
51	210	208	205	269	247	232	64
51	208	208	205	268	247	233	64
51	209	209	205	269	248	233	64
*	*	*	204	268	245	234	64
50	210	209	203	268	247	233	65
51	209	209	207	268	246	233	66
52	210	207	205	268	245	234	66
53	210	209	204	268	245	234	66
53	*	*	*	274	249	237	65
57	240	232	236	290	256	247	65
56	241	234	240	305	264	257	66
56	242	236	241	315	270	264	67
57	252	245	247	324	275	269	68
59	*	*	*	345	286	282	69
64	277	268	269	365	298	294	71
65	278	268	270	378	304	303	71
65	277	270	269	383	310	310	73
66	278	270	268	389	313	312	74
*	279	272	271	390	316	318	74
68	280	271	272	393	319	319	76
69	280	274	272	393	322	321	77
*	*	*	*	*	*	*	*
73	302	292	292	415	334	338	77
77	303	294	295	425	344	346	79
78	302	296	296	432	351	349	80
79	304	296	296	437	354	354	82
80	306	297	297	440	358	354	80
80	306	297	296	443	360	355	80
80	305	298	297	445	360	358	82
80	292	287	286	*	*	*	80
77	290	284	282	422	351	350	81
76	289	284	283	616	347	348	83
76	290	284	284	414	343	344	86
77	290	286	282	412	340	341	85
77	291	286	284	410	341	343	84
79	291	287	285	409	339	342	86
80	292	288	287	411	340	341	85
80	293	288	287	412	340	341	88
79	295	289	286	412	340	340	87
80	294	291	289	413	341	342	88
82	295	290	290	412	343	343	88
82	278	273	273	405	340	338	*

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
146	47	56	37	79	264	260	260
147	48	17	36	76	260	256	256
148	48	37	36	76	263	258	260
149	48	58	36	76	263	257	259
150	49	17	35	77	248	244	242
151	49	37	32	69	226	227	219
152	49	57	27	63	218	222	211
153	50	17	26	56	216	218	208
154	50	36	27	56	216	217	207
155	50	56	27	55	215	216	208
156	51	16	26	54	210	211	203
157	51	36	19	48	186	186	181
158	51	56	12	34	163	167	159
159	52	15	*	24	158	161	149
160	52	35	16	31	213	210	201
161	52	55	24	49	233	229	222
162	53	15	28	59	237	232	227
163	53	37	29	66	239	235	229
164	53	58	30	67	226	225	218
165	54	18	28	63	219	219	210
166	54	39	28	59	214	216	205
167	54	59	26	57	212	213	202
168	55	19	26	54	213	213	202
169	*	*	26	54	211	212	202
170	55	59	26	53	211	213	202
171	56	19	24	53	204	202	197
172	56	39	15	42	201	203	193
173	57	1	8	29	202	203	190
174	57	22	5	21	200	200	188
175	57	42	5	17	199	197	185
176	58	2	4	16	193	190	179
177	58	23	0	11	164	167	153
178	58	44	-3	4	149	156	139
179	59	4	-4	1	148	152	136
180	59	25	-4	1	145	149	134
181	59	45	-2	1	145	147	132
182	60	5	-0	0	143	145	131

7-21 G.1 PRS CSE G.5 .00 G.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 POWER TURB CASE 8.00 DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
79	264	260	260	388	332	327	87
76	260	256	256	374	324	318	88
76	263	258	260	368	319	313	87
76	263	257	259	365	316	310	87
77	248	244	242	356	312	304	87
69	226	227	219	338	304	288	86
63	218	222	211	320	293	275	86
56	216	218	208	304	284	263	85
56	216	217	207	295	276	255	83
55	215	216	208	287	270	251	82
54	210	211	203	281	265	247	82
48	186	186	181	277	258	247	80
34	163	167	159	274	254	243	80
24	158	161	149	272	253	240	78
31	213	210	201	276	255	237	76
49	233	229	222	296	258	243	76
59	237	232	227	296	263	248	75
65	239	235	229	304	267	254	74
67	226	225	218	301	268	255	75
63	219	219	210	293	265	249	74
59	214	216	205	284	261	244	74
57	212	213	202	277	258	240	73
54	213	213	202	273	254	237	72
54	211	212	202	270	252	234	72
53	211	213	202	267	250	232	71
53	204	202	197	*	*	236	72
42	201	203	193	260	243	233	71
29	202	203	190	249	235	224	71
21	200	200	188	237	226	214	69
17	199	197	185	229	219	208	70
16	193	190	179	222	213	202	70
11	184	167	153	204	199	192	68
4	149	156	139	189	184	177	68
1	148	152	136	177	171	167	68
1	145	149	134	167	163	159	68
1	145	147	132	161	157	153	68
0	143	145	131	155	151	149	68

HH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C
1	16	56	-26	-26	-26	-26	-26
2	0	36	-24	-25	-26	-25	-26
3	0	56	-25	-26	-25	-26	-25
4	1	16	-25	-26	-26	-25	-26
5	1	35	-25	-25	-26	-26	-26
6	1	55	-25	-26	-26	-25	-26
7	2	15	-24	-26	-26	-25	-26
8	2	35	-25	-26	-25	-25	-25
9	*	*	-25	-24	-25	-26	-25
10	3	15	-25	-25	-26	-25	-26
11	3	35	-25	-26	-25	-25	-26
12	3	55	-27	-24	-26	-26	-25
13	4	14	-25	-26	-25	-25	-25
14	4	34	-25	-26	-25	-26	-26
15	4	54	-25	-26	-26	-25	-26
16	*	*	-26	-26	-25	-26	-26
17	5	34	-25	-26	-25	-26	-27
18	5	53	-26	-26	-25	-27	-25
19	6	13	-25	-25	-25	-26	-26
20	6	33	-25	-25	-25	-26	-26
21	6	53	-26	-25	-26	-25	-27
22	7	13	-25	-26	-26	-27	-25
23	*	30	-26	-25	-25	-27	-25
24	7	52	-25	-25	-25	-26	-26
25	8	12	-26	-26	-25	-26	-24
26	8	32	-26	-25	-25	-26	-26
27	8	51	-26	-26	-26	-26	-25
28	9	11	-26	-26	-25	-25	-26
29	9	31	-24	-26	-26	-26	-26
30	9	50	-25	-26	-26	-26	-26
31	10	10	-25	-26	-26	-26	-27
32	10	30	-25	-26	-26	-25	-27
33	10	50	-26	-25	-25	-25	-26
34	11	9	-26	-27	-25	*	*
35	11	29	-25	-26	-26	-26	-23
36	11	49	-25	-27	-25	-26	-16
37	12	8	-25	-27	-25	-27	-11
38	12	28	-26	-25	-24	-27	-9
39	12	48	-25	-25	-26	-25	-11
40	13	7	-25	-27	-25	-25	-13
41	13	27	-25	-26	-25	-25	-14
42	13	47	-25	-25	-26	-24	-16
43	14	7	-25	-26	-26	-25	-14
44	14	26	-25	-27	-25	-24	-16
45	14	46	-26	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

8-06 ENG.2 IGNIT EXCITR COUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
-26	-26	-26	-26	-25	-26	-25	-26	-25
-25	-26	-25	-26	-26	-27	-25	-26	-25
-26	-25	-26	-25	-25	-26	-26	-25	-25
-26	-26	-25	-26	-26	-26	-26	-25	-26
-25	-26	-26	-26	-26	-27	-26	-25	-26
-26	-26	-25	-26	-24	-27	-25	-26	-25
-26	-26	-25	-26	-26	-26	-26	-25	-25
-26	-25	-25	-25	-25	-26	-26	-26	-25
-24	-25	-26	-25	-26	-26	-26	-25	-25
-25	-26	-25	-26	-25	-27	-25	-25	-25
-26	-25	-25	-26	-25	-26	-26	-24	-25
-24	-26	-26	-25	-27	-26	-25	-25	-26
-26	-25	-25	-25	-26	-27	-26	-25	-25
-26	-25	-26	-26	-26	-27	-25	-25	-26
-26	-26	-25	-26	-25	-26	-27	-25	-26
-26	-25	-26	-26	-26	-27	-26	-25	-25
-26	-25	-26	-27	-26	-26	-27	-26	-25
-25	-25	-27	-25	-26	-27	-26	-27	-26
-25	-25	-26	-26	-27	-25	-27	-26	-26
-25	-25	-26	-26	-26	-26	-26	-26	-26
-25	-26	-25	-27	-26	-26	-26	-25	-26
-26	-26	-27	-25	-26	-26	-26	-27	-26
-25	-25	-27	-25	-25	-27	-25	-26	-26
-25	-25	-26	-26	-25	-26	-26	-25	-26
-26	-25	-26	-24	-25	-27	-26	-25	-27
-25	-25	-26	-26	-26	-27	-26	-25	-26
-26	-26	-26	-25	-25	-27	-26	-25	-25
-26	-25	-25	-26	-27	-26	-26	-25	-26
-26	-26	-26	-26	-26	-26	-25	-25	-27
-25	-26	-26	-26	-27	-26	-26	-25	-26
-26	-26	-26	-27	-26	-26	-27	-25	-26
-26	-26	-25	-27	-25	-26	-26	-25	-26
-25	-25	-25	-26	-27	-26	-26	-25	-26
-27	-25	*	*	*	*	*	-25	-25
-26	-26	-26	-23	-26	-27	-27	-25	-26
-27	-25	-26	-16	-25	-27	-27	-26	-27
-27	-25	-27	-11	-25	-25	-27	-27	-26
-25	-24	-27	-9	-25	-27	-26	-25	-24
-25	-26	-25	-11	-25	-26	-26	-26	-22
-27	-25	-25	-13	-25	-26	-26	-27	-22
-26	-25	-25	-14	-25	-27	-26	-26	-22
-25	-26	-24	-16	-25	-25	-25	-27	-20
-26	-26	-25	-14	-25	-27	-25	-25	-22
-27	-25	-24	-14	-25	-25	-24	-25	-21
*	*	*	*	*	-25	-24	-25	-21

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-1 ENG. FUE PUM CAS TEM DEG.
46	15	6	-24	-27	-25	-25	-16	-2
47	15	25	-25	-27	-25	-25	-16	-2
48	15	45	-26	-26	-25	-25	-17	-2
49	16	5	-25	-26	-26	-25	-17	-2
50	16	24	-26	-25	-26	-25	-17	-2
51	16	44	-26	-27	-25	-24	-16	-2
52	17	4	-25	-26	-25	-24	-16	-2
53	17	23	-25	-26	-26	-24	-17	-2
54	17	48	-26	-26	-25	-24	-17	-2
55	18	7	-25	-26	-25	-24	-18	-2
56	18	27	-25	-25	-25	-25	-18	-2
57	18	47	-25	-25	-25	-24	-18	-2
58	19	7	-25	-25	-25	-24	-18	-2
59	19	26	-25	-25	-25	-24	-17	-2
60	19	46	-25	-25	-25	-25	-19	-2
61	20	6	-25	-25	-25	-24	-18	-2
62	20	26	-24	-25	-26	-25	-18	-2
63	20	45	-25	-24	-25	-24	-17	-2
64	21	5	-25	-25	-26	-24	-17	-2
65	21	25	-25	-26	-24	-24	-18	-2
66	21	44	-25	-25	-25	-24	-17	-2
67	22	4	-24	-25	-24	-24	-19	-2
68	22	24	-25	-25	-25	-23	-17	-2
69	22	43	-25	-25	-24	-24	-18	-2
70	*	*	*	*	*	*	*	
71	23	23	-25	-25	-25	-24	-18	-2
72	23	42	-24	-24	-24	-23	-18	-2
73	24	2	-25	-25	-25	-24	-17	-2
74	24	22	-24	-25	-25	-24	-17	-2
75	24	41	-24	-24	-24	-24	-17	-2
76	25	1	-24	-25	-24	-24	-18	-2
77	25	20	-24	-24	-24	-24	-18	-2
78	25	40	-23	-24	-25	-24	-18	-2
79	26	0	-25	-25	-25	-23	-19	-2
80	26	19	-24	-24	-24	-23	-17	-2
81	26	39	-25	-25	-24	-24	-17	-2
82	26	59	-24	-24	-24	-22	-18	-2
83	27	18	-24	-24	-24	-24	-17	-2
84	27	38	-24	-25	-24	-23	-15	-2
85	27	57	-24	-24	-24	-23	-4	-2
86	28	17	-23	-24	-24	-22	3	-2
87	28	37	-23	-24	-23	-21	8	-1
88	28	56	-23	-24	-23	-21	11	-1
89	*	*	-23	-24	-23	-21	14	-1
90	29	36	-22	-23	-23	-19	16	-1
91	29	55	-22	-22	-22	-20	24	-1
92	30	15	-21	-22	-21	-17	29	-1
93	30	35	-22	-22	-22	-19	30	-1
94	30	54	-21	-21	-22	-17	35	-1
95	31	14	-21	-21	-21	-17	40	-1

8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
-27	-25	-25	-16	-25	-26	-25	-26	-21
-27	-25	-25	-16	-25	-26	-24	-25	-19
-26	-25	-25	-17	-24	-25	-23	-25	-21
-26	-26	-25	-17	-25	-25	-24	-25	-20
-25	-26	-25	-17	-24	-24	-23	-25	-20
-27	-25	-24	-16	-25	-24	-23	-25	-20
-26	-25	-24	-16	-25	-24	-23	-25	-20
-26	-26	-24	-17	-25	-25	-23	-24	-20
-26	-25	-24	-17	-25	-23	-22	-24	-20
-26	-25	-24	-18	-25	-23	-23	-23	-20
-25	-25	-25	-18	-25	-24	-23	-23	-21
-25	-25	-24	-18	-25	-23	-22	-24	-20
-25	-25	-24	-18	-25	-22	-22	-23	-20
-25	-25	-24	-17	-25	-23	-22	-23	-21
-25	-25	-25	-19	-25	-22	-22	-23	-20
-25	-25	-24	-18	-24	-24	-22	-23	-21
-25	-26	-25	-18	-24	-22	-22	-24	-20
-24	-25	-24	-17	-24	-24	-22	-23	-20
-25	-26	-24	-17	-24	-23	-22	-23	-20
-26	-24	-24	-18	-24	-22	-23	-23	-21
-25	-25	-24	-17	-24	-22	-22	-23	-20
-25	-24	-24	-19	-24	-22	-22	-23	-21
-25	-25	-23	-17	-24	-23	-22	-23	-20
-25	-24	-24	-18	-24	-22	-21	-23	-21
*	*	*	*	*	*	*	*	*
-25	-25	-24	-18	-24	-21	-22	-23	-20
-24	-24	-23	-18	-24	-22	-21	-22	-20
-25	-25	-24	-17	-23	-23	-21	-23	-20
-25	-25	-24	-17	-24	-22	-22	-22	-20
-24	-24	-24	-17	-23	-22	-22	-23	-20
-25	-24	-24	-18	-24	-22	-21	-23	-20
-24	-24	-24	-18	-23	-22	-21	-23	-21
-24	-25	-24	-18	-23	-23	-21	-22	-21
-25	-25	-23	-19	-24	-22	-21	-22	-22
-24	-24	-23	-17	-24	-21	-21	-23	-22
-25	-24	-24	-17	-24	-23	-21	-22	-22
-24	-24	-22	-18	-23	-22	-22	-22	-20
-24	-24	-24	-17	-23	-22	-21	-23	-21
-25	-24	-23	-15	-24	-23	-23	-23	-22
-24	-24	-23	-4	-23	-21	-16	*	*
-24	-24	-22	3	-20	-17	-14	-12	-18
-24	-23	-21	8	-19	-17	-14	-11	-16
-24	-23	-21	11	-18	-17	-14	-11	-15
-24	-23	-21	14	-17	-17	-12	-10	-14
-23	-23	-19	18	-16	-16	-4	-2	-12
-22	-22	-20	24	-16	-12	2	11	-8
-22	-21	-17	29	-16	-10	-0	3	-4
-22	-22	-19	30	-14	-12	1	8	-3
-21	-22	-17	35	-16	-7	4	13	0
-21	-21	-17	40	-16	-9	3	11	0

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C
96	31	34	-21	-21	-21	-18	42
97	31	53	-20	-20	-20	-18	46
98	*	*	*	-18	-21	-17	47
99	32	33	-19	-18	-20	-18	49
100	32	52	-18	-18	-20	-17	53
101	33	12	-17	-18	-20	-15	53
102	33	32	-18	-18	-20	-16	56
103	33	51	-17	-17	-20	-16	58
104	34	11	-17	-17	-19	-16	60
105	34	31	-18	-16	-19	-16	62
106	34	50	-16	-15	-18	-15	63
107	35	10	-15	-14	-18	-16	64
108	35	30	-16	-14	-17	-16	64
109	35	50	-16	-14	-18	-15	66
110	36	9	-16	-13	-17	-15	67
111	36	29	-15	-13	-17	-16	67
112	36	49	-14	-13	-18	-16	67
113	37	8	-14	-13	-16	-15	68
114	37	28	-14	-12	-17	-14	69
115	37	48	-13	-13	-16	-14	69
116	38	7	-13	-12	-17	-13	71
117	38	27	-12	-11	-16	-13	70
118	38	47	-12	-10	-15	-9	71
119	39	6	-12	-10	-15	-7	72
120	39	26	-10	-10	-15	-6	72
121	39	46	-9	-9	-14	-4	72
122	40	5	-9	-7	-14	-5	73
123	40	25	-9	-7	-14	-3	73
124	40	45	-9	-8	-13	-3	72
125	*	*	*	*	*	*	*
126	41	24	-7	-7	-13	-3	73
127	41	44	-6	-6	-12	-1	75
128	42	3	-5	*	*	*	74
129	42	23	-6	-6	-12	-2	74
130	42	43	-6	-6	-11	-2	74
131	43	2	-4	-3	-12	-1	74
132	43	22	-2	-3	-12	-0	75
133	43	42	-4	-3	-12	-2	74
134	44	1	-2	-4	-10	-2	74
135	44	21	-4	-3	-11	-2	74
136	44	41	-3	-2	-11	-2	73
137	45	0	-3	-2	-10	-1	74
138	45	20	-2	-1	-8	-0	74
139	45	40	*	*	-8	-0	74
140	45	59	-1	-2	-9	-0	74
141	46	19	-2	-1	-10	-1	73
142	46	39	-2	-0	-9	-0	73
143	46	59	0	-0	-9	-2	74
144	47	18	0	-0	-7	-3	74
145	*	36	0	-0	-8	-1	74

8-06 ENG.2 IGNIT EXCITR SHUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD TEMP DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8 11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
-21	-21	-18	42	-14	-6	-0	6	0
-20	-20	-18	46	-12	-11	0	5	0
-18	-21	-17	47	-12	-9	1	8	1
-18	-20	-18	49	-11	-8	0	8	0
-18	-20	-17	53	-12	-9	0	8	3
-18	-20	-15	53	-13	-8	1	8	2
-18	-20	-16	56	-11	-7	0	8	1
-17	-20	-16	58	-12	-7	*	*	*
-17	-19	-16	60	-11	-8	1	10	1
-16	-19	-16	62	-11	-8	2	9	2
-15	-18	-15	63	-11	-7	1	9	1
-14	-18	-16	64	-11	-6	2	9	2
-14	-17	-16	64	-10	-6	2	10	3
-14	-18	-15	66	-11	-5	2	10	3
-13	-17	-15	67	-11	-6	3	11	3
-13	-17	-16	67	-9	-6	2	9	5
-13	-18	-16	67	-10	-3	6	16	6
-13	-16	-15	68	-13	-1	9	20	6
-12	-17	-14	69	-13	-2	10	21	6
-13	-16	-14	69	-14	-0	10	21	7
-12	-17	-13	71	-14	-1	13	24	8
-11	-16	-13	70	-15	-2	15	27	9
-10	-15	-9	71	-16	0	16	29	10
-10	-15	-7	72	-16	0	11	20	10
-10	-15	-6	72	-16	0	11	20	9
-9	-14	-4	72	-16	0	11	20	9
-7	-14	-5	73	-14	0	11	21	10
-7	-14	-3	73	-16	-1	11	21	*
-8	-13	-3	72	-14	0	13	22	9
*	*	*	*	*	*	*	*	*
-7	-13	-3	73	-15	1	16	27	12
-6	-12	-1	73	-16	3	18	27	12
*	*	*	74	-16	0	18	27	13
-6	-12	-2	74	-16	4	19	29	14
-6	-11	-2	74	-16	2	19	31	14
-3	-12	-1	74	-16	6	21	35	16
-3	-12	-0	75	-16	5	20	30	16
-3	-12	-2	74	-16	3	17	26	16
-4	-10	-2	74	-15	4	16	28	14
-3	-11	-2	74	-15	4	17	28	14
-2	-11	-2	73	-16	3	19	29	14
-2	-10	-1	74	-14	4	19	30	15
-1	-8	-0	74	-14	4	19	29	14
*	-8	-0	74	-14	3	19	31	16
-2	-9	-0	74	-16	5	19	32	16
-1	-10	-1	73	-15	4	19	30	14
-0	-9	-0	73	-16	4	21	32	16
-0	-9	-2	74	-15	4	20	32	16
-0	-7	-3	74	-15	5	21	32	16
-0	-8	-1	74	-14	5	16	27	17

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C
146	47	59	0	-0	-8	-1	74
147	48	20	0	0	-8	-4	74
148	48	39	-0	0	-7	-4	73
149	49	0	-1	0	-8	-6	73
150	49	20	-1	0	-8	-6	74
151	49	40	-0	1	-8	-6	74
152	49	59	-0	1	-7	-7	73
153	*	*	-0	0	-6	-8	73
154	50	39	-1	0	-7	-8	72
155	50	59	0	0	-6	-7	73
156	51	18	-1	0	-7	-8	72
157	51	38	-0	0	-6	-9	72
158	51	58	-0	0	-5	-9	72
159	52	18	0	0	-7	-7	73
160	52	38	0	1	-6	-6	74
161	52	58	0	1	-6	-8	73
162	53	18	-1	1	-6	-6	70
163	53	39	-0	1	-6	-9	71
164	54	0	-1	0	-7	-11	69
165	54	20	-1	0	-6	-10	69
166	54	42	-1	0	-6	-11	70
167	55	1	-1	0	-6	-9	70
168	55	21	-1	0	-6	-10	71
169	55	41	-1	-0	-5	-11	71
170	56	2	-1	0	-7	-10	72
171	56	22	-1	0	-7	-4	72
172	56	42	-0	*	*	*	72
173	57	3	*	0	-1	7	70
174	57	25	0	0	-3	13	67
175	57	44	0	0	-2	13	65
176	58	4	0	1	-4	13	64
177	58	25	0	1	-3	12	64
178	58	47	0	1	-3	3	61
179	59	7	0	2	-2	-0	64
180	59	27	0	2	-1	0	64
181	59	48	1	2	-1	3	63
182	60	8	0	1	-2	7	61

8-06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
NG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
GNIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
CITR	EXCITR	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
OUNT	SKIN	CASE	CASE	CASE	STG.2	STG.3	STG.3	STG.3
TEMP	OUTBD	TEMP	TEMP	TEMP	4.30	3.00	4.30	6.00
EG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
-0	-8	-1	74	-14	5	15	28	16
0	-8	-4	74	-14	5	16	28	16
0	-7	-4	73	-12	6	16	28	16
0	-8	-6	73	-11	5	16	28	15
0	-8	-6	74	-10	2	12	19	16
1	-8	-6	74	-8	0	11	18	13
1	-7	-7	73	-7	1	9	17	12
0	-6	-8	73	-7	0	10	17	12
0	-7	-8	72	-7	0	10	16	12
0	-6	-7	73	-6	0	11	16	12
0	-7	-8	72	-8	1	12	21	12
0	-6	-9	72	-8	4	13	24	12
0	-5	-9	72	-8	5	13	24	13
0	-7	-7	73	-9	4	14	22	13
1	-6	-6	74	-6	0	0	3	11
1	-6	-8	73	-6	-2	-1	1	9
1	-6	-8	70	-3	-3	-3	0	6
1	-6	-9	71	-3	-3	-2	0	4
0	-7	-11	69	-4	-0	8	15	5
0	-6	-10	69	-6	0	9	16	7
0	-6	-11	70	-6	0	10	15	9
0	-6	-9	70	-6	1	9	15	9
0	-6	-10	71	-6	0	10	16	10
-0	-5	-11	71	-6	0	9	16	10
0	-7	-10	72	-5	-1	9	16	11
0	-7	-4	72	-5	-2	0	4	9
*	*	*	72	-3	-6	-5	-3	8
0	-1	7	70	-2	-3	-7	-3	6
0	-3	13	67	-2	-7	-4	-3	6
0	-2	13	65	-2	-7	-3	-1	5
1	-4	13	64	-2	-6	-4	-0	5
1	-3	12	64	-1	-5	-2	-1	4
1	-3	3	61	-1	-4	-3	-1	3
2	-2	-0	64	-1	-6	-9	-9	2
2	-1	0	64	0	-9	-12	-12	1
2	-1	3	63	0	-12	-11	-11	0
1	-2	7	61	0	-11	-9	-12	0

200

2

HH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 [illegible].00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-2 ENG. COMPR CS STG. 6.0 DEG.
1	16	56	-26	-25	-25	-24	-26	-26
2	0	36	-25	-25	-25	-25	-26	-26
3	0	56	-26	-25	-25	-25	-26	-26
4	1	16	-26	-26	-25	-25	-24	-25
5	1	35	-25	-25	-25	-25	-26	-25
6	1	55	-25	-25	*	*	*	*
7	2	15	-25	-25	-25	-25	-26	-25
8	2	35	-24	-25	-25	-25	-25	-25
9	*	*	-25	-25	-25	-26	-25	-26
10	3	15	-25	-25	-25	-26	-26	-25
11	3	35	-26	-25	-26	-24	-25	-25
12	3	55	-25	-25	-24	-26	-25	-26
13	4	14	-25	-24	-26	*	*	*
14	4	34	-26	-25	-27	-26	-26	-26
15	4	54	-26	-25	-25	-25	-25	-25
16	*	*	-26	-25	-25	-25	-25	-26
17	5	34	-27	-26	-25	-25	-25	-25
18	5	53	-25	-26	-25	-26	-25	-25
19	6	13	-26	-25	-25	-24	-25	-25
20	6	33	-26	-26	-26	*	*	*
21	6	53	-25	-25	-25	-25	-25	-26
22	7	13	-26	-26	-25	-24	-25	-26
23	*	30	-25	-26	-26	-26	-26	-25
24	7	52	-26	-25	-25	-25	-25	-25
25	8	12	-26	-26	-26	-25	-26	-26
26	8	32	-25	-25	-25	-25	-25	-26
27	8	51	*	*	*	*	-27	-26
28	9	11	-26	-25	-25	-26	-26	-25
29	9	31	-26	-25	-25	-26	-26	-26
30	9	50	-26	-25	-25	-25	-25	-25
31	10	10	-26	-27	-25	-25	-25	-2
32	10	30	-26	-24	-27	-26	-25	-2
33	10	50	-25	-25	-26	-25	-26	-2
34	11	9	-26	-25	-25	-25	-24	-2
35	11	29	-26	-25	-27	-25	-26	-2
36	11	49	-26	-26	-25	-26	-26	-2
37	12	8	-25	-25	-26	-25	-26	-2
38	12	28	-25	-25	-24	-24	-25	
39	12	48	-25	-26	-25	-25	-25	-2
40	13	7	-25	-26	-26	-25	-25	-2
41	13	27	-24	-26	-26	-25	-24	-2
42	13	47	-25	-26	-26	-24	-24	-2
43	14	7	-25	-25	-24	-25	-23	-2
44	14	26	-24	-25	-25	-24	-24	-2
45	14	46	-23	-26	-25	-24	-24	-2

HH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

8-16 ENG.2 COMPRS CSE STG.4 .30 4.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 GAS GN TURB CASE 8.00 DEG.C	8-24 ENG.2 GAS GN TURB CASE 12.00 DEG.C	8-25 ENG.2 POWER TURB CASE 4.00 DEG.C
-25	-25	-24	-26	-26	-26	-25	-25	-26
-25	-25	-25	-26	-26	-25	-25	-24	-25
-25	-25	-25	-26	-26	-25	-25	-24	-25
-26	-25	-25	-24	-25	-26	-25	-24	-25
-25	-25	-25	-26	-25	-25	-25	-25	-26
-25	*	*	*	*	-25	-25	-25	-26
-25	-25	-25	-26	-25	-26	-26	-24	-25
-25	-25	-25	-25	-25	-25	-24	-24	-26
-25	-25	-26	-25	-26	-25	-25	-25	-25
-25	-25	-26	-26	-25	-24	-25	-25	-25
-25	-26	-24	-25	-25	-25	-25	-24	-25
-25	-24	-26	-25	-26	-25	-26	-25	-24
-24	-26	*	*	*	*	*	*	-25
-25	-27	-26	-26	-26	-25	-26	-25	-26
-25	-25	-25	-25	-25	-25	-25	-25	-26
-25	-25	-25	-25	-26	-26	-25	-26	-26
-26	-25	-25	-25	-25	-25	-25	-25	-25
-26	-25	-26	-25	-25	-25	-25	-25	-26
-25	-25	-24	-25	-25	-26	-26	-24	-25
-26	-26	*	*	*	*	*	-24	-25
-25	-25	-25	-25	-26	-25	-25	-25	-26
-26	-25	-24	-25	-26	-25	-25	-25	-26
-26	-26	-26	-26	-25	-25	-24	-25	-25
-25	-25	-25	-25	-25	-25	-25	-25	-26
-26	-26	-25	-26	-26	-25	-25	-25	-25
-25	-25	-25	-25	-26	-26	-25	-25	-25
*	*	*	-27	-26	-25	-26	-25	-26
-25	-25	-26	-26	-25	-25	-25	-25	-25
-25	-25	-26	-26	-26	-25	-26	-25	-27
-25	-25	-25	-25	-26	-25	-26	-25	-26
-27	-25	-25	-25	-27	-25	-26	-25	-25
-24	-27	-26	-25	-26	-25	-25	-25	-26
-25	-26	-25	-26	-26	-26	-25	-25	-25
-25	-25	-25	-24	-25	-25	-26	-25	-27
-25	-27	-25	-26	-26	-26	-25	-25	-26
-26	-25	-26	-26	-25	-24	-25	-25	-26
-25	-26	-25	-26	-25	-23	-23	-24	-27
-25	-24	-24	-25	*	*	*	*	*
-26	-25	-25	-25	-25	-23	-23	-22	-25
-26	-26	-25	-25	-25	-22	-22	-22	-24
-26	-26	-25	-24	-25	-23	-22	-23	-23
-26	-26	-24	-24	-24	-22	-22	-23	-23
-25	-24	-25	-23	-24	-22	-23	-22	-23
-25	-26	-24	-24	-24	-23	-22	-21	-24
-26	-25	-24	-24	-24	-23	-23	-23	-23

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
46	15	6	-24	-25	-26	-25	-24
47	15	25	-23	-25	-25	-25	-24
48	15	45	-23	-26	-25	-25	-23
49	16	5	*	*	*	-25	-24
50	16	24	-24	-26	-25	-24	-24
51	16	44	-23	-25	-25	-25	-22
52	17	4	-23	-23	-25	-24	-24
53	17	23	-23	-24	-25	-24	-23
54	17	48	-22	-24	-24	-24	-23
55	18	7	-22	-24	-24	-24	-23
56	18	27	-23	-24	-24	-24	-22
57	18	47	-22	-24	-24	-23	-22
58	19	7	-21	-23	-23	-23	-24
59	19	26	-22	-23	-25	-23	-23
60	19	46	-22	-24	-24	-24	-23
61	20	6	-22	-23	-25	-24	-22
62	20	26	-22	-23	-24	-23	-23
63	20	45	-22	-23	-24	-24	-22
64	21	5	-22	-24	-25	-23	-23
65	21	25	-21	-23	-24	-24	-22
66	21	44	-22	-23	-23	-23	-23
67	22	4	-21	-23	-24	-24	-22
68	22	24	-21	-23	-22	-23	-23
69	22	43	-21	-24	-23	-23	-22
70	*	*	*	*	*	*	*
71	23	23	-22	-23	-24	-23	-22
72	23	42	-20	-22	-24	-24	-22
73	24	2	-21	-23	-23	-23	-22
74	24	22	-21	-23	-24	-23	-22
75	24	41	-21	-23	-24	-23	-22
76	25	1	-22	-23	-24	-23	-22
77	25	20	-21	-22	-24	-23	-22
78	25	40	-21	-24	-22	-23	-23
79	26	0	-21	-22	-24	-23	-22
80	26	19	-21	-22	-23	-22	-23
81	26	39	-22	-23	-23	-22	-22
82	26	59	-21	-24	-23	-23	-22
83	27	18	-21	-22	-23	-23	-22
84	27	38	-22	-24	-24	-23	-23
85	27	57	*	*	-16	-22	-21
86	28	17	-9	-9	-9	-17	-17
87	28	37	-7	-8	-8	-12	-14
88	28	56	-6	-8	-5	-9	-11
89	*	*	-5	-6	-4	-8	-8
90	29	36	6	1	5	-2	-4
91	29	55	21	16	22	8	6
92	30	15	21	13	17	21	20
93	30	35	20	15	19	24	21
94	30	54	27	21	26	*	*
95	31	14	27	20	25	36	33

-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	GAS GN	GAS GN	POWER
CSE	CSE	CSE	CSE	CSE	TURB	TURB	TURB	TURB
G.4	STG.4	STG.5	STG.5	STG.5	CASE	CASE	CASE	CASE
.30	6.00	3.00	4.30	6.00	4.00	8.00	12.00	4.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
-25	-26	-25	-24	-23	-23	-22	-21	-24
-25	-25	-25	-24	-24	-22	-22	-23	-24
26	-25	-25	-23	-24	-22	-22	-23	-23
*	*	-25	-24	-24	-22	-23	-21	-23
-8	-25	-24	-24	-23	-24	-22	-22	-24
25	-25	-25	-22	-22	-23	-23	-23	-23
-23	-25	-24	-24	-24	-22	-23	-23	-24
24	-25	-24	-23	-22	*	*	*	*
24	-24	-24	-23	-22	-22	-23	-22	-23
24	-24	-24	-23	-23	-22	-22	-22	-23
24	-24	-24	-22	-22	-23	-22	-23	-23
24	-24	-23	-22	-22	-23	-22	-22	-24
23	-23	-23	-24	-21	-23	-22	-22	-24
23	-25	-23	-23	-22	-23	-22	-22	-22
24	-24	-24	-23	-22	-22	-22	-21	-23
23	-25	-24	-22	-23	-22	-22	-22	-24
23	-24	-23	-23	-22	-22	-23	-23	-24
23	-24	-24	-22	-22	-22	-22	-22	-22
24	-25	-23	-23	-21	-22	-22	-22	-23
23	-24	-24	-22	-22	-21	-21	-21	-22
23	-23	-23	-23	-21	-22	-22	-22	-23
23	-24	-24	-22	-22	-22	-23	-21	-23
23	-22	-23	-23	-21	-22	-22	-22	-23
24	-23	-23	-22	-21	-23	-22	-22	-23
*	*	*	*	*	*	*	*	*
23	-24	-23	-22	-22	-21	-22	-22	-23
22	-24	-24	-23	-21	-22	-21	-22	-24
23	-23	-23	-23	-23	-22	-22	-21	-23
23	-24	-23	-22	-21	-22	-22	-22	-24
23	-24	-23	-22	-21	-22	-22	-22	-24
23	-24	-23	-22	-22	-22	-23	-22	-24
22	-24	-23	-22	-22	-22	-22	-22	-22
24	-22	-23	-23	-21	-22	-22	-21	-23
22	-24	-23	-22	-22	-23	-22	-23	-22
23	-23	-22	-23	-21	-22	-22	-21	-23
23	-23	-22	-22	*	*	*	-22	-24
24	-23	-23	-22	-22	-22	-20	-21	-23
22	-23	-23	-22	-22	-22	-22	-22	-24
24	-24	-23	-23	-22	-20	-22	-22	-22
*	-16	-22	-21	-21	0	1	0	-4
-9	-9	-17	-17	-15	51	48	48	30
-8	-8	-12	-14	-9	81	79	82	70
-8	-5	-9	-11	-8	100	100	101	107
-6	-4	-8	-8	-5	113	115	116	139
1	5	-2	-4	1	144	143	144	161
16	22	5	6	19	195	197	196	200
13	17	21	28	36	192	201	200	224
15	19	24	21	34	195	203	199	235
21	26	*	*	*	211	223	216	258
20	25	36	33	48	210	226	216	273

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
96	31	34	25	16	19	36	35
97	31	53	23	14	17	33	30
98	*	*	23	14	20	30	29
99	32	33	24	17	20	33	32
100	32	52	25	16	20	33	32
101	33	12	24	18	20	34	32
102	33	32	23	18	20	36	32
103	33	51	*	19	21	35	32
104	34	11	24	19	21	35	34
105	34	31	25	19	21	36	33
106	34	50	26	19	22	36	33
107	35	10	25	20	22	37	34
108	35	30	25	20	22	*	*
109	35	50	26	20	23	39	36
110	36	9	26	21	24	40	38
111	36	29	26	21	25	39	34
112	36	49	30	26	29	39	37
113	37	8	32	30	32	*	*
114	37	28	32	31	33	47	45
115	37	48	34	32	34	50	48
116	38	7	36	35	37	52	48
117	38	27	39	37	44	53	49
118	38	47	39	39	43	*	*
119	39	6	28	27	31	56	53
120	39	26	26	24	29	50	46
121	39	46	26	24	28	45	44
122	40	5	25	25	29	47	43
123	40	25	*	*	*	44	44
124	40	45	26	26	32	46	44
125	*	*	*	*	*	*	*
126	41	24	29	32	38	49	48
127	41	44	30	32	40	52	49
128	42	3	32	32	39	53	50
129	42	23	32	33	39	54	53
130	42	43	33	36	43	56	53
131	43	2	46	45	49	61	59
132	43	22	35	36	43	63	60
133	43	42	30	32	38	59	56
134	44	1	31	32	38	*	*
135	44	21	32	34	38	55	54
136	44	41	32	34	39	55	54
137	45	0	33	35	40	55	53
138	45	20	33	36	43	58	55
139	45	40	34	37	43	58	53
140	45	59	35	39	42	60	58
141	46	19	35	38	43	58	53
142	46	39	36	39	45	61	59
143	46	59	38	41	45	63	58
144	47	18	40	40	48	63	58
145	*	36	36	38	41	64	61

8-16 ENG.2 COMPRS CSE STG.4 6.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 GAS GN TURB CASE 8.00 DEG.C	8-24 ENG.2 GAS GN TURB CASE 12.00 DEG.C	8-25 ENG.2 POWER TURB CASE 4.00 DEG.C
16	19	36	35	49	203	214	205	273
14	17	33	30	44	193	206	193	268
14	20	30	29	46	195	205	197	264
17	20	33	32	44	198	207	199	262
16	20	33	32	45	196	207	200	260
18	20	34	32	45	198	207	201	260
18	20	36	32	46	198	207	200	260
19	21	35	32	46	198	208	201	261
19	21	35	34	46	199	208	199	258
19	21	36	33	47	198	208	201	259
19	22	36	33	47	199	208	201	260
20	22	37	34	47	200	209	202	262
20	22	*	*	*	199	209	202	260
20	23	39	36	47	199	209	203	261
21	24	40	36	48	200	210	204	260
21	25	39	34	50	199	209	203	260
26	29	39	37	49	211	221	216	267
30	32	*	*	*	*	245	239	296
31	33	47	45	58	240	255	247	322
32	34	50	48	59	241	258	250	335
35	37	52	48	63	261	274	265	346
37	44	53	49	67	276	287	278	357
39	43	*	*	*	281	294	282	365
27	31	56	53	66	281	294	281	373
24	29	50	46	58	279	291	282	375
24	28	45	44	55	279	289	279	377
25	29	47	43	54	279	292	281	379
*	*	44	44	54	282	292	283	379
26	32	46	44	54	282	295	283	379
*	*	*	*	*	*	*	*	*
32	38	49	48	59	299	310	300	399
32	40	52	49	61	301	313	303	412
32	39	53	50	62	303	313	303	416
33	39	54	53	64	302	315	303	419
36	43	56	53	64	304	315	304	420
45	49	61	59	74	309	320	308	422
36	43	63	60	72	303	316	306	421
32	38	59	56	68	292	308	294	412
32	38	*	*	66	289	304	291	402
34	38	55	54	65	290	303	291	397
34	39	55	54	66	291	305	292	395
35	40	55	53	69	292	303	294	394
36	43	58	55	69	293	306	291	396
37	43	58	53	70	291	307	295	395
39	42	60	58	72	292	306	295	*
38	43	58	53	73	294	310	296	398
39	45	61	59	73	295	305	299	397
41	45	63	58	75	296	309	298	396
40	46	63	58	76	296	311	298	398
38	41	64	61	75	274	293	279	395

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	C
146	47	59	38	37	*	60	56	
147	48	20	39	37	39	58	56	
148	48	39	39	38	39	59	56	
149	49	0	40	40	41	59	57	
150	49	20	36	30	33	60	55	
151	49	40	32	25	30	53	48	
152	49	59	32	26	30	48	42	
153	*	*	34	26	29	44	39	
154	50	39	34	26	30	43	38	
155	50	59	33	25	29	42	38	
156	51	18	35	29	34	43	39	
157	51	38	38	32	38	48	43	
158	51	58	39	34	37	51	46	
159	52	18	40	33	36	53	46	
160	52	38	19	15	15	46	46	
161	52	58	10	8	10	33	33	
162	53	18	7	6	8	23	21	
163	53	39	6	6	7	16	15	
164	54	0	26	20	26	19	17	
165	54	20	31	23	29	29	26	
166	54	42	32	24	29	36	32	
167	55	1	33	25	29	40	37	
168	55	21	33	25	29	41	38	
169	55	41	34	25	28	41	38	
170	56	2	34	25	29	43	39	
171	56	22	23	16	18	42	40	
172	56	42	8	4	3	33	34	
173	57	3	4	2	1	25	26	
174	57	25	4	1	2	19	20	
175	57	44	5	*	4	16	17	
176	58	4	6	2	5	15	15	
177	58	25	6	3	4	15	15	
178	58	47	4	2	5	15	14	
179	59	7	-1	-3	-3	11	11	
180	59	27	-7	-7	-9	6	5	
181	59	48	-7	-9	-9	1	1	
182	60	8	-6	-9	-6	-0	-1	

8-16 ENG.2 MPRS CSE STG.4 4.30 EG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 GAS GN TURB CASE 8.00 DEG.C	8-24 ENG.2 GAS GN TURB CASE 12.00 DEG.C	8-25 ENG.2 POWER TURB CASE 4.00 DEG.C
37	*	60	56	73	261	283	269	388
37	39	58	56	70	258	*	*	*
38	39	59	56	70	257	278	264	375
40	41	59	57	71	257	277	265	373
30	33	60	55	70	242	264	250	367
25	30	53	48	64	225	242	230	346
25	30	48	42	59	217	233	221	324
26	29	44	39	56	214	226	218	309
26	30	43	38	*	*	*	216	298
25	29	42	38	56	213	223	216	292
29	34	43	39	56	218	229	221	290
32	38	48	43	59	229	240	232	299
34	37	51	48	63	232	245	235	308
33	36	53	48	63	230	243	233	311
15	15	46	46	51	205	218	207	305
8	10	33	33	32	*	193	182	295
6	8	23	21	20	163	177	167	288
6	7	16	15	13	155	170	159	280
20	26	19	17	25	190	197	192	274
23	29	29	26	41	204	213	206	277
24	29	36	32	49	210	218	211	276
25	29	40	37	52	210	220	213	278
25	29	41	38	54	211	221	214	277
25	28	41	37	54	210	222	213	276
25	29	43	39	55	211	220	213	277
16	18	42	40	53	203	212	206	276
4	3	33	34	34	202	213	201	270
2	1	25	26	23	201	210	200	258
1	2	19	20	16	198	206	198	246
*	4	16	17	14	195	201	194	237
2	5	15	15	13	193	198	193	228
3	4	15	15	12	190	194	191	222
2	5	15	14	12	185	190	187	214
-3	-3	11	11	7	166	171	169	205
-7	-9	6	5	2	147	154	152	187
-9	-9	1	1	-2	142	148	145	174
-9	-6	-0	-1	-4	140	145	144	164

HH-53C S/N 68-10354
CLIMATIC LAB TEST
25 MARCH 1970
RUN NO. 6 -25 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HARNESS TEMP DEG.C
1	16	56	-26	-25	-25
2	0	36	-25	-25	-25
3	0	56	-25	-25	-26
4	1	16	-25	-24	-26
5	1	35	-25	-24	-25
6	1	55	-25	-25	-25
7	2	15	-25	-25	-26
8	2	35	-26	-25	-26
9	*	*	-26	-25	-25
10	3	15	-26	-24	-25
11	3	35	-25	-25	-25
12	3	55	-26	-25	-26
13	4	14	-26	-25	-26
14	4	34	-25	-25	-25
15	4	54	-25	-25	-25
16	*	*	-26	-25	-26
17	5	34	-25	-24	-25
18	5	53	-26	-25	-26
19	6	13	-25	-25	-25
20	6	33	-26	-25	-25
21	6	53	-26	-25	-26
22	7	13	-25	-25	-26
23	*	30	-25	-26	-25
24	7	52	-26	-25	-25
25	8	12	-26	-25	-26
26	8	32	-26	-25	-25
27	8	51	-25	-26	-27
28	9	11	-26	-25	-27
29	9	31	-26	-24	-26
30	9	50	-25	-25	-25
31	10	10	-25	-25	-26
32	10	30	-26	-24	-26
33	10	50	-24	-25	-25
34	11	9	-26	-25	-26
35	11	29	-25	-26	-26
36	11	49	-25	-26	-25
37	12	8	-25	-24	-25
38	12	28	-25	-25	-26
39	12	48	-24	-24	-25
40	13	7	-23	-23	-25
41	13	27	-24	-24	-25
42	13	47	-22	-23	-25
43	14	7	-24	-23	-25
44	14	26	-24	-23	-25
45	14	46	-24	-23	-25

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-25 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
46	15	6	-23	-23	-26
47	15	25	-24	-22	-24
48	15	45	-23	-22	-25
49	16	5	-23	-23	-25
50	16	24	-22	-23	-25
51	16	44	-23	-23	-25
52	17	4	-23	-23	-25
53	17	23	-23	-22	-24
54	17	48	-23	-23	-25
55	18	7	-23	-22	-24
56	18	27	-23	-24	-24
57	18	47	-23	-23	-24
58	19	7	-22	-23	-24
59	19	26	-23	-23	-24
60	19	46	-23	-23	-24
61	20	6	-23	-20	-24
62	20	26	-23	-22	-25
63	20	45	-22	-22	-23
64	21	5	-23	-22	-24
65	21	25	-23	-23	-25
66	21	44	-23	-23	-23
67	22	4	-24	-21	-24
68	22	24	-23	-22	-24
69	22	43	-22	-22	-24
70	*	*	*	*	*
71	23	23	-23	-23	-24
72	23	42	-22	-21	-24
73	24	2	-23	-22	-24
74	24	22	-22	-22	-23
75	24	41	-23	-22	-24
76	25	1	-23	-22	-24
77	25	20	*	*	*
78	25	40	-22	-22	-24
79	26	0	-23	-22	-23
80	26	19	-23	-22	-23
81	26	39	-23	-22	-24
82	26	59	-22	-23	-24
83	27	18	-22	-23	-23
84	27	38	-23	-22	-24
85	27	57	-16	-13	-23
86	28	17	8	12	-22
87	28	37	37	45	-21
88	28	56	67	73	-20
89	*	*	96	100	-17
90	29	36	122	127	-15
91	29	55	150	157	-11
92	30	15	172	184	-5
93	30	35	182	193	-1
94	30	54	200	212	1
95	31	14	210	229	6

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
96	31	34	217	238	10
97	31	53	218	242	13
98	*	*	216	244	16
99	32	33	215	247	19
100	32	52	214	249	22
101	33	12	214	252	26
102	33	32	213	253	29
103	33	51	214	253	30
104	34	11	213	255	32
105	34	31	215	257	33
106	34	50	214	258	34
107	35	10	215	258	34
108	35	30	216	258	37
109	35	50	216	259	38
110	36	9	216	260	39
111	36	29	218	261	40
112	36	49	218	263	42
113	37	8	231	274	43
114	37	28	244	288	44
115	37	48	258	298	45
116	38	7	269	311	47
117	38	27	285	330	48
118	38	47	297	348	49
119	39	6	310	361	51
120	39	26	315	370	54
121	39	46	317	376	55
122	40	5	318	380	56
123	40	25	318	386	56
124	40	45	320	387	60
125	*	*	*	*	*
126	41	24	325	398	62
127	41	44	334	404	64
128	42	3	338	409	64
129	42	23	342	414	68
130	42	43	342	417	67
131	43	2	345	420	69
132	43	22	347	420	71
133	43	42	346	420	71
134	44	1	341	414	73
135	44	21	335	413	73
136	44	41	332	411	73
137	45	0	330	410	73
138	45	20	328	408	73
139	45	40	331	408	76
140	45	59	*	*	*
141	46	19	331	409	75
142	46	39	327	411	73
143	46	59	328	411	75
144	47	18	330	411	74
145	*	36	327	407	73

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
146	47	59	320	394	72
147	48	20	311	382	72
148	48	39	304	371	71
149	49	0	298	365	70
150	49	20	295	357	69
151	49	40	284	340	69
152	49	59	272	325	68
153	*	*	261	311	69
154	50	39	251	303	69
155	50	59	245	296	68
156	51	18	244	292	67
157	51	38	247	298	67
158	51	58	251	298	67
159	52	18	256	299	68
160	52	38	253	296	69
161	52	58	249	291	69
162	53	18	247	286	68
163	53	39	243	281	67
164	54	0	241	276	64
165	54	20	238	275	64
166	54	42	238	273	63
167	55	1	237	273	63
168	55	21	235	274	62
169	55	41	234	274	62
170	56	2	233	274	61
171	56	22	234	273	61
172	56	42	232	265	64
173	57	3	226	254	66
174	57	25	218	243	67
175	57	44	212	235	69
176	58	4	207	229	70
177	58	25	200	223	70
178	58	47	195	217	71
179	59	7	189	209	71
180	59	27	180	195	70
181	59	48	169	182	70
182	60	8	160	173	70

RUN 15, -45°F, 13 May 1970
Soak time 24 hours

RUN 15 -45°F 13 MAY 70

Test Synopsis:

This run was chosen to present -45°F test data. Another -45°F run (run 34) is also presented later to show cooling characteristics of the second stage hydraulic system without rotor operation. The APP start was accomplished by using both start accumulators (the standard plus the additional test accumulator). Both accumulators were normally used for starts at -25°F or lower.

Pertinent information.

Engine No. 1 had -13 fuel control and no EAPS.

Engine No. 2 had -12 fuel control and EAPS.

Test parameters not connected or not presented.

1-4-Free air temperature (not connected).

1-6-Engine No. 1 fuel flow (not connected).

1-11-Engine No. 2 fuel flow (not connected).

2-18-Main wheel brake return hydraulic pressure (not connected).

2-19 through 2-26-Heater output airflow differential pressure (not presented).

Defective test parameters not presented (unless indicated otherwis

3-22-Cargo area forward waist level air temperature (erratic, but average temperature shown is good; data are presented).

4-13-Second stage hydraulic system pump outlet temperature.

7-12-Engine No. 1 compressor case temperature, 3rd stage, 3 o'cloc position.

7-13-Engine No. 1 compressor case temperature, 3rd stage, 4:30 o'clock position.

7-14-Engine No. 1 compressor case temperature, 3rd stage, 6 o'cloc position (unusable data deleted from initial portion, but remainde of data are retained).

7-18-Engine No. 1 compressor case temperature, 4th stage, 9 o'cloc position.

7-19-Engine No. 1 compressor case temperature, 5th stage, 3 o'cloc position.

7-20-Engine No. 1 compressor case temperature, 5th stage, 4:30 o'clock position.

8-18-Engine No. 2 compressor case temperature, 5th stage, 9 o'cloc position.

Event Sheet:

CTR	Event
10	APP start

NOTE:
Heat applied for 25 minutes to APP speed monitor switch to overcome cold-temperature sticking.

CTR	Event
14	Heater start, cabin select
	Comm/nav equipment - checked
39-75	Engine starters - check operation
94	All doors and ramp - closed
96	AFCS servos - checked
98	Stick trim - checked
99	EAPS (No. 2) - open
100	Rotor brake - OFF
101	Engine speed trim - checked
102	AFCS - checked
104	Second stage interlock - checked
106	Engine No. 1 - start
120	Engine No. 1 - shutdown. Rotor is turning, but rotor brake light is on indicating rotor brake may be partially applied causing a fire hazard.
164	Engine No. 1 - restart
170	Flight control and first stage interlock - checked
171	Engine No. 1 throttle - forward
175	APP - OFF
178	Engine No. 2 - start
188	Flat pitch and engine overspeed protection system - checked
194	Minimum governing microswitches - checked
195	Engine No. 1 anti-ice - ON, then OFF
195	Windshield anti-ice - ON
196	Crossfeed - checked
196	Generator dropout and pickup - checked
201-209	Operate both engines at 50-percent torque
212-220	Operate both engines at 80-percent torque
222-230	Operate both engines at 100-percent torque
233	Collective - set to flat pitch
236	Heater - OFF
238	APP - start attempt. No start; speed switch stuck.
243	Comm/nav equipment - OFF
247	Throttles - shutoff
250	End test

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
13 MAY 79
-45 DEG.F. RUN NO. 15
TAPE 096 1 FILE

CN	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE
0	0	0	0	*	0
1	0	1	0	*	0
2	0	19	0	*	0
3	0	38	0	*	0
4	0	58	0	*	0
5	1	18	0	*	0
6	1	38	0	*	0
7	1	57	0	*	0
8	2	17	0	*	0
9	2	37	0	*	0
10	2	57	0	*	0
11	3	15	0	*	0
12	3	36	0	*	0
13	3	56	0	*	0
14	4	15	0	*	0
15	4	35	0	*	0
16	4	55	0	*	0
17	5	15	0	*	0
18	5	34	0	*	0
19	5	54	0	*	0
20	6	14	0	*	0
21	6	34	0	*	0
22	6	53	0	*	0
23	7	13	0	*	0
24	7	33	0	*	0
25	7	52	0	*	0
26	8	12	0	*	0
27	8	31	0	*	0
28	8	51	0	*	0
29	9	11	0	*	0
30	*	*	*	*	*
31	9	51	0	*	0
32	10	11	0	*	0
33	*	27	0	*	0
34	10	50	0	*	0
35	11	9	0	*	0
36	11	29	0	*	0
37	11	49	0	*	0
38	12	8	0	*	0
39	12	28	0	*	0
40	12	48	13	*	0

1-03 TIME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE	1-08 ENG.1 POWER TURB SPEED PERCNT RPM	1-09 ENG.1 TURB INLET TEMP DEG.C	1-10 ENG.2 PERCNT RPM	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 PERCNT TORQUE
0	0	*	0		-18	0	*	0
1	0	*	0		-19	0	*	0
19	0	*	0		-19	0	*	0
38	0	*	0		-19	0	*	0
58	0	*	0		-18	0	*	0
18	0	*	0		-18	0	*	0
38	0	*	0		-19	0	*	0
57	0	*	0		-18	0	*	0
17	0	*	0		-19	0	*	0
37	0	*	0		-19	0	*	0
57	0	*	0		-20	0	*	0
16	0	*	0		-19	0	*	0
36	0	*	0		-20	0	*	0
56	0	*	0		-19	0	*	0
15	0	*	0		-20	0	*	0
35	0	*	0		-19	0	*	0
55	0	*	0		-19	0	*	0
15	0	*	0		-19	0	*	0
34	0	*	0		-19	0	*	0
54	0	*	0		-19	0	*	0
14	0	*	0		-20	0	*	0
34	0	*	0		-19	0	*	0
53	0	*	0		-20	0	*	0
13	0	*	0		-19	0	*	0
33	0	*	0		-19	0	*	0
52	0	*	0		-19	0	*	0
12	0	*	0		-20	0	*	0
32	0	*	0		*	*	*	*
51	0	*	0		-20	0	*	0
11	0	*	0		-19	0	*	0
*	*	*	*	*	*	*	*	0
51	0	*	0		-20	0	*	0
10	0	*	0		-19	0	*	0
27	0	*	0		-19	0	*	0
50	0	*	0		-20	0	*	0
9	0	*	0		-20	0	*	0
29	0	*	0		-19	0	*	0
49	0	*	0		-20	0	*	0
9	0	*	0		-19	0	*	0
28	0	*	0		-19	0	*	0
48	13	*	0	0	-19	8	*	0

CN	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE
41	13	8	15	*	0
42	13	27	0	*	0
43	13	47	0	*	0
44	14	7	6	*	0
45	14	26	3	*	0
46	*	*	*	*	*
47	15	6	0	*	0
48	15	25	0	*	0
49	15	45	0	*	0
50	16	5	0	*	0
51	16	24	0	*	0
52	16	44	0	*	0
53	17	4	0	*	0
54	17	23	0	*	0
55	17	43	0	*	0
56	18	3	0	*	*
57	18	22	0	*	0
58	18	42	0	*	0
59	19	2	0	*	0
60	19	21	12	*	0
61	19	41	21	*	0
62	20	1	17	*	0
63	20	20	0	*	0
64	20	40	0	*	0
65	21	0	0	*	0
66	*	*	*	*	0
67	21	39	0	*	0
68	21	59	0	*	0
69	22	18	0	*	0
70	22	38	0	*	0
71	22	58	0	*	0
72	23	17	0	*	0
73	*	*	*	*	*
74	23	57	23	*	0
75	24	16	5	*	0
76	24	36	0	*	0
77	24	56	0	*	0
78	25	15	0	*	0
79	25	35	0	*	0
80	*	*	0	*	0
81	26	14	0	*	0
82	26	34	0	*	0
83	26	54	0	*	0
84	27	13	0	*	0
85	27	33	0	*	0
86	27	53	0	*	0
87	28	13	0	*	0
88	28	32	0	*	0
89	28	52	0	*	0
90	29	12	0	*	0

03 ME C.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE	1-08 ENG.1 POWER TURB SPEED PERCNT RPM	1-09 ENG.1 TURB INLET TEMP DEG.C	1-10 ENG.2 PERCNT RPM	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 PERCNT TORQUE
0	15	*	0	0	-19	8	*	0
7	0	*	0	0	-20	0	*	0
7	0	*	0	0	-19	0	*	0
7	6	*	0	0	-19	4	*	0
6	3	*	0	0	-19	1	*	0
*	*	*	*	*	*	*	*	0
6	0	*	0	0	-16	20	*	0
5	0	*	0	0	-19	23	*	0
5	0	*	0	0	-19	14	*	0
5	0	*	0	0	-20	0	*	0
5	0	*	0	0	-19	0	*	0
4	0	*	0	0	-19	21	*	0
4	0	*	0	0	-19	25	*	0
4	0	*	0	0	-18	11	*	0
3	0	*	0	0	-19	0	*	0
3	0	*	*	*	*	*	*	*
3	0	*	0	0	-18	0	*	0
2	0	*	0	0	-19	0	*	0
2	0	*	0	0	-20	0	*	0
2	12	*	0	0	-20	0	*	0
2	21	*	0	0	-18	0	*	0
1	17	*	0	0	-19	0	*	0
1	0	*	0	0	-19	0	*	0
1	0	*	0	0	-19	0	*	0
1	0	*	0	0	-18	0	*	0
1	*	*	0	0	-19	0	*	0
1	0	*	0	0	-20	0	*	0
1	0	*	0	0	-19	0	*	0
1	0	*	0	0	-19	0	*	0
1	0	*	0	0	-19	0	*	0
1	0	*	0	0	-19	0	*	0
1	0	*	*	*	-19	0	*	0
1	23	*	0	0	-19	0	*	0
1	5	*	0	0	-19	0	*	0
1	0	*	0	0	-20	0	*	0
1	0	*	0	0	-19	0	*	0
1	0	*	0	0	-18	0	*	0
1	0	*	0	0	-19	0	*	0
1	0	*	0	0	-19	0	*	0
1	0	*	0	0	-19	0	*	0
1	0	*	0	0	-14	0	*	0
1	0	*	0	0	-19	0	*	0
1	0	*	0	0	-19	*	*	*
1	0	*	0	0	-23	0	*	0
1	0	*	0	0	-19	0	*	0
1	0	*	0	0	-21	0	*	0
1	0	*	0	0	-19	0	*	0
1	0	*	0	0	-19	0	*	0
1	0	*	0	0	-19	0	*	0

CN	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE
91	29	31	0	*	0
92	29	51	0	*	0
93	30	11	0	*	0
94	30	30	0	*	0
95	*	*	*	*	*
96	31	10	0	*	0
97	31	29	0	*	0
98	31	49	0	*	0
99	32	9	0	*	*
100	32	28	0	*	0
101	32	48	0	*	0
102	33	8	0	*	0
103	33	28	0	*	0
104	33	47	0	*	0
105	34	7	0	*	0
106	34	27	0	*	0
107	34	46	0	*	0
108	35	6	5	*	0
109	35	26	24	*	0
110	35	45	59	*	28
111	36	5	59	*	10
112	36	25	59	*	9
113	36	45	59	*	8
114	37	4	59	*	8
115	37	24	59	*	*
116	37	44	59	*	8
117	38	3	59	*	8
118	38	23	59	*	8
119	*	*	*	*	*
120	39	2	57	*	1
121	39	22	9	*	0
122	39	42	0	*	0
123	*	*	0	*	0
124	40	21	0	*	0
125	40	41	0	*	0
126	41	0	0	*	0
127	*	17	0	*	0
128	41	40	0	*	0
129	41	59	0	*	0
130	42	19	0	*	0
131	42	39	0	*	0
132	42	59	*	*	*
133	43	18	0	*	0
134	43	38	0	*	0
135	43	58	0	*	0
136	44	17	0	*	0
137	44	37	0	*	0
138	44	57	0	*	0
139	45	16	0	*	0
140	45	36	0	*	0

03 ME C.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE	1-08 ENG.1 POWER TURB SPEED PERCNT RPM	1-09 ENG.1 TURB INLET TEMP DEG.C	1-10 ENG.2 PERCNT RPM	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 PERCNT TORQUE
31	0	*	0	0	-19	0	*	0
31	0	*	0	0	-19	0	*	0
31	0	*	0	0	-19	0	*	0
30	0	*	0	0	-19	0	*	0
*	*	*	*	*	*	0	*	0
30	0	*	0	0	-23	0	*	0
29	0	*	0	0	-19	0	*	0
29	0	*	0	0	-16	0	*	0
29	0	*	*	*	*	*	*	*
28	0	*	0	0	-19	0	*	0
28	0	*	0	0	-19	0	*	0
28	0	*	0	0	-19	0	*	0
28	0	*	0	0	-21	0	*	*
27	0	*	0	0	-19	0	*	0
27	0	*	0	0	-19	0	*	0
27	0	*	0	0	-19	0	*	0
26	0	*	0	0	-18	0	*	*
26	5	*	0	0	-19	0	*	0
26	24	*	0	0	-19	0	*	0
25	59	*	28	8	251	0	*	0
25	59	*	10	17	271	*	*	*
25	59	*	9	22	275	0	*	0
25	59	*	8	23	275	0	*	0
24	59	*	8	25	276	0	*	0
24	59	*	*	*	*	*	*	*
24	59	*	8	27	278	0	*	0
23	59	*	8	27	283	0	*	0
23	59	*	8	27	276	0	*	0
*	*	*	*	*	*	0	*	0
22	57	*	1	28	273	0	*	0
22	9	*	0	0	164	0	*	0
22	0	*	0	0	103	0	*	0
21	0	*	0	0	87	0	*	0
21	0	*	0	0	82	0	*	0
21	0	*	0	0	82	0	*	0
20	0	*	0	0	91	0	*	0
20	0	*	0	0	93	0	*	0
20	0	*	0	0	100	0	*	0
19	0	*	0	0	102	0	*	0
19	0	*	0	0	102	0	*	0
19	0	*	0	0	102	0	*	0
19	*	*	*	*	*	*	*	*
18	0	*	0	0	105	0	*	0
18	0	*	0	0	105	0	*	0
18	0	*	0	0	107	0	*	0
17	0	*	0	0	107	0	*	0
17	0	*	0	0	105	0	*	0
17	0	*	0	0	107	0	*	0
16	0	*	0	0	107	0	*	0
16	0	*	0	0	102	0	*	0

CN	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1- ENG PERC TORC
141	45	56	*	*	
142	46	15	0	*	
143	46	35	0	*	
144	46	55	0	*	
145	47	14	0	*	
146	47	34	0	*	
147	47	54	0	*	
148	48	13	0	*	
149	48	33	0	*	
150	*	*	0	*	
151	49	12	0	*	
152	49	32	0	*	
153	49	52	0	*	
154	50	11	0	*	
155	50	31	*	*	
156	50	51	0	*	
157	51	10	0	*	
158	51	30	0	*	
159	51	50	0	*	
160	52	9	0	*	
161	52	29	0	*	
162	52	49	0	*	
163	53	8	0	*	
164	53	28	0	*	
165	53	47	0	*	
166	54	7	15	*	
167	54	27	58	*	
168	54	46	59	*	
169	55	6	60	*	
170	55	26	*	*	
171	55	45	75	*	
172	56	5	77	*	
173	56	25	76	*	
174	56	44	78	*	
175	*	*	*	*	
176	57	23	78	*	
177	57	43	78	*	
178	58	3	77	*	
179	58	22	79	*	
180	58	42	78	*	
181	59	1	77	*	
182	59	21	78	*	
183	59	41	78	*	
184	60	0	78	*	
185	60	20	80	*	
186	60	39	*	*	
187	60	59	78	*	
188	61	19	78	*	
189	61	38	72	*	
190	61	58	75	*	

1-03 TIME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE	1-08 ENG.1 POWER TURB SPEED PERCNT RPM	1-09 ENG.1 TURB INLET TEMP DEG.C	1-10 ENG.2 PERCNT RPM	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 PERCNT TORQUE
56	*	*	*	*	*	*	*	*
15	0	*	0	0	98	0	*	0
35	0	*	0	0	101	0	*	0
55	0	*	0	0	96	0	*	0
14	0	*	0	0	100	0	*	0
34	0	*	0	0	95	0	*	0
54	0	*	0	0	93	0	*	0
13	0	*	0	0	92	0	*	0
33	0	*	0	0	91	0	*	0
*	0	*	0	0	87	0	*	0
12	0	*	0	0	87	0	*	0
32	0	*	0	0	87	0	*	0
52	0	*	0	0	87	0	*	0
11	0	*	0	0	82	0	*	0
31	*	*	*	*	*	*	*	*
51	0	*	0	0	81	0	*	0
10	0	*	0	0	78	0	*	0
30	0	*	0	0	78	0	*	0
50	0	*	0	0	76	0	*	0
9	0	*	*	*	*	*	*	*
29	0	*	0	0	73	0	*	0
49	0	*	0	0	73	0	*	0
8	0	*	0	0	73	0	*	0
28	0	*	0	0	69	0	*	0
47	0	*	*	*	*	*	*	*
7	15	*	0	0	66	0	*	0
27	58	*	27	9	256	0	*	0
46	59	*	9	22	265	0	*	0
6	60	*	8	26	268	0	*	0
26	*	*	*	*	*	*	*	*
45	75	*	37	55	271	0	*	0
5	77	*	36	89	317	0	*	0
25	76	*	37	93	329	0	*	0
44	78	*	38	100	340	0	*	0
*	*	*	*	*	343	0	*	0
23	78	*	38	100	340	0	*	0
43	78	*	37	100	341	0	*	0
3	77	*	38	100	338	0	*	0
22	79	*	39	100	344	13	*	0
42	78	*	39	101	345	38	*	0
1	77	*	37	100	341	61	*	1
21	78	*	37	101	344	60	*	0
41	78	*	37	100	343	61	*	1
0	78	*	37	*	339	61	*	0
20	80	*	37	101	341	60	*	0
39	*	*	*	*	*	*	*	*
59	78	*	37	100	340	69	*	0
19	78	*	25	106	344	75	*	15
38	72	*	7	102	258	77	*	26
58	75	*	18	102	289	77	*	19

2

CN	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE
191	62	18	75	*	11
192	62	37	80	*	18
193	62	57	75	*	18
194	63	16	77	*	18
195	63	36	71	*	0
196	63	56	71	*	2
197	64	15	74	*	10
198	64	35	76	*	14
199	64	54	77	*	14
200	65	14	75	*	14
201	65	34	75	*	14
202	65	53	77	*	23
203	66	13	80	*	51
204	66	32	76	*	50
205	66	52	80	*	51
206	67	12	80	*	51
207	67	31	80	*	50
208	67	51	80	*	50
209	68	10	81	*	51
210	68	30	*	*	*
211	68	50	79	*	49
212	69	9	82	*	60
213	69	29	83	*	82
214	69	48	83	*	80
215	70	8	84	*	81
216	70	28	84	*	80
217	70	47	84	*	80
218	71	7	84	*	81
219	71	27	83	*	80
220	71	46	84	*	80
221	72	6	84	*	80
222	72	26	84	*	80
223	*	42	86	*	89
224	*	*	*	*	*
225	73	25	86	*	98
226	73	44	86	*	101
227	74	4	86	*	99
228	74	24	86	*	98
229	74	43	86	*	98
230	75	3	86	*	98
231	75	23	82	*	55
232	75	42	*	*	*
233	76	2	80	*	47
234	76	22	78	*	13
235	76	41	76	*	13
236	77	1	75	*	13
237	77	21	75	*	13
238	77	41	75	*	12
239	78	0	75	*	12
240	78	21	75	*	12

1-03 TIME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE	1-08 ENG.1 POWER TURB SPEED PERCNT RPM	1-09 ENG.1 TURB INLET TEMP DEG.C	1-10 ENG.2 PERCNT RPM	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 PERCNT TORQUE
18	75	*	11	100	280	77	*	24
37	80	*	18	101	289	75	*	*
57	75	*	18	100	292	75	*	17
16	77	*	18	101	292	77	*	17
36	71	*	0	95	272	79	*	47
56	71	*	2	93	246	77	*	25
15	74	*	10	99	268	77	*	24
35	76	*	14	99	283	76	*	20
54	77	*	14	99	282	76	*	20
14	75	*	14	99	283	76	*	20
34	75	*	14	99	282	76	*	19
53	77	*	23	101	301	77	*	21
13	80	*	51	102	367	79	*	45
32	76	*	50	101	359	81	*	48
52	80	*	51	101	362	75	*	51
12	80	*	51	100	358	81	*	49
31	80	*	50	99	359	80	*	49
51	80	*	50	99	362	81	*	49
10	81	*	51	101	360	81	*	49
30	*	*	*	*	*	*	*	*
50	79	*	49	10[illegible]	368	81	*	48
9	82	*	60	99	391	81	*	58
29	83	*	82	99	432	85	*	82
48	83	*	80	99	433	84	*	78
8	84	*	81	99	437	84	*	81
28	84	*	80	99	431	85	*	80
47	84	*	80	99	*	*	*	*
7	84	*	81	98	436	87	*	80
27	83	*	80	99	438	85	*	80
46	84	*	80	99	435	96	*	80
6	84	*	80	99	441	84	*	81
26	84	*	80	99	441	85	*	83
42	86	*	89	99	456	86	*	87
*	*	*	*	*	*	*	*	*
25	86	*	98	100	488	86	*	97
44	86	*	101	99	488	87	*	99
4	86	*	99	99	485	87	*	98
24	86	*	98	*	488	87	*	98
43	86	*	98	100	485	87	*	98
3	86	*	98	100	486	88	*	99
23	82	*	55	101	409	83	*	56
42	*	*	*	*	*	*	*	*
2	80	*	47	102	300	82	*	49
22	79	*	13	101	296	77	*	20
41	76	*	13	100	296	77	*	20
1	75	*	13	101	296	77	*	19
21	79	*	13	99	297	70	*	20
41	75	*	12	101	300	77	*	19
0	75	*	12	100	299	77	*	19
21	75	*	12	100	302	79	*	19

2

CN	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1- ENG PERC TORC
241	*	38	75	*	
242	79	1	80	*	
243	79	20	75	*	
244	79	40	75	*	
245	80	0	75	*	
246	80	20	61	*	
247	80	39	53	*	
248	80	59	12	*	
249	81	19	3	*	
250	81	38	0	*	
251	*	*	*	*	
252	82	18	0	*	

-03 IME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE	1-08 ENG.1 POWER TURB SPEED PERCNT RPM	1-09 ENG.1 TURB INLET TEMP DEG.C	1-10 ENG.2 PERCNT RPM	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 PERCNT TORQUE
38	75	*	13	100	301	77	*	19
1	80	*	12	*	*	*	*	*
20	75	*	12	100	299	78	*	19
40	75	*	12	101	301	77	*	19
0	75	*	12	101	300	77	*	19
20	61	*	0	69	271	78	*	30
39	53	*	0	53	280	79	*	30
59	12	*	0	10	209	15	*	0
19	3	*	0	0	137	5	*	0
38	0	*	0	0	111	0	*	0
*	*	*	0	0	110	0	*	0
18	0	*	0	0	111	*	*	*

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HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
13 MAY 70
-45 DEG.F. RUN NO. 15
TAPE 086 1 FILE

CN	1-13 ENG.2 POWER TURB SPEED PERCNT RPM	1-14 ENG.2 TURB INLET TEMP DEG.C	1-15 ROTOR PERCNT RPM	1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1- EN(PI OUTI PR(P:
1	0	-19	0	1	0	
2	1	-19	0	1	0	
3	1	-19	0	1	0	
4	0	-19	0	1	0	
5	0	-19	0	1	0	
6	0	-19	0	1	0	
7	0	-19	0	1	0	
8	1	-20	0	1	0	
9	0	-19	0	2	0	
10	0	-16	0	1	0	
11	1	-19	0	1	0	
12	1	-19	0	1	0	
13	1	-19	0	1	0	
14	1	-19	0	1	0	
15	1	-19	0	0	0	
16	0	-18	0	1	0	
17	0	-19	0	1	0	
18	1	-19	0	1	0	
19	1	-18	0	1	0	
20	0	-18	0	1	0	
21	0	-18	0	*	*	
22	0	-19	0	1	0	
23	1	-21	0	1	0	
24	*	*	*	*	*	
25	0	-19	0	1	0	
26	0	-19	0	1	0	
27	*	*	*	*	0	
28	0	-19	0	1	0	
29	0	-23	0	1	0	
30	0	-19	0	1	0	
31	0	-19	0	1	0	
32	1	-20	0	1	0	
33	0	-19	0	1	0	
34	0	-20	0	1	0	
35	1	-19	0	1	0	
36	0	-19	0	1	0	
37	0	-19	0	1	0	
38	1	-23	0	1	0	
39	0	-19	0	1	0	
40	1	-19	0	1	0	

1-15 ROTOR PERCNT RPM	1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG
0	1	0	0	0	0	1	1	2
0	1	0	1	0	0	1	0	0
0	1	0	1	0	0	1	1	1
0	1	0	1	0	0	0	1	0
0	1	0	1	0	0	0	0	1
0	1	0	1	0	0	1	1	1
0	1	0	1	0	0	1	1	0
0	1	0	0	0	0	1	0	1
0	2	0	1	0	0	1	1	2
0	1	0	1	0	0	1	1	1
0	1	0	0	0	0	1	1	1
0	1	0	0	0	0	1	27	1
0	1	0	0	0	1	1	26	0
0	1	0	1	0	1	0	26	0
0	0	0	1	0	1	1	25	*
0	1	0	0	0	0	1	27	0
0	1	0	1	0	1	1	27	0
0	1	0	2	0	*	*	*	*
0	1	0	0	0	0	1	28	1
0	1	0	1	0	0	1	28	1
0	*	*	*	*	*	*	*	*
0	1	0	1	0	1	1	30	1
0	1	0	1	0	0	1	28	1
*	*	*	*	*	*	*	29	1
0	0	0	0	0	0	1	31	1
0	0	0	0	0	1	1	29	0
*	*	0	0	0	1	1	29	0
0	1	0	1	0	1	1	28	0
0	1	0	1	0	0	1	30	1
0	1	0	1	0	0	1	29	0
0	1	0	0	0	1	0	28	0
0	1	0	1	0	1	1	28	0
0	1	0	1	0	1	0	28	0
0	1	0	1	0	1	1	28	0
0	1	0	1	0	1	1	27	1
0	1	0	1	0	0	3	30	1
0	1	0	1	0	1	1	29	0
0	1	0	1	0	1	1	25	1
0	1	0	1	0	1	1	28	1
0	1	0	1	0	1	1	*	*

CN	1-13 ENG.2 POWER TURB SPEED PERCNT RPM	1-14 ENG.2 TURB INLET TEMP DEG.C	1-15 ROTOR PERCNT RPM	1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG
41	0	-21	0	1	0	123
42	0	-19	0	1	0	10
43	*	*	*	*	*	*
44	0	-19	0	1	0	36
45	0	-19	0	1	0	56
46	0	-19	0	1	0	14
47	0	-19	0	1	0	4
48	0	-19	0	1	0	2
49	0	-19	0	1	0	1
50	1	-19	0	1	0	1
51	1	-19	0	1	0	0
52	1	-19	0	1	0	1
53	0	-19	0	1	0	1
54	1	-19	0	1	0	1
55	1	-19	0	1	0	1
56	*	*	*	1	0	0
57	1	-19	0	1	0	1
58	0	-19	0	1	0	1
59	0	-19	0	1	0	1
60	1	-19	0	1	0	120
61	0	-19	0	1	0	122
62	1	-19	0	0	0	116
63	0	-19	0	*	*	*
64	0	-21	0	0	0	2
65	0	-19	0	0	0	0
66	0	-19	0	0	0	1
67	0	-21	0	1	0	1
68	1	-19	0	0	0	2
69	1	-19	0	0	0	1
70	1	-19	0	1	0	1
71	1	-20	0	1	0	1
72	0	-20	0	0	0	1
73	0	-21	0	1	0	119
74	1	-19	0	1	0	121
75	0	-19	0	0	0	59
76	0	-19	0	0	0	3
77	1	-19	0	*	*	*
78	1	-19	0	0	0	1
79	0	-19	0	1	0	1
80	0	-19	1	0	0	1
81	1	-16	0	0	0	1
82	0	-18	0	0	0	2
83	0	-19	0	0	0	1
84	*	*	*	*	*	1
85	0	-20	0	0	0	1
86	1	-21	0	0	0	0
87	1	-19	0	0	0	1
88	1	-20	0	1	0	1
89	2	-19	0	0	0	0
91	1	-21	0	0	0	2

1-15 ROTOR PERCNT RPM	1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG
0	1	0	123	8	0	1	30	1
0	1	0	10	3	0	1	29	0
*	*	*	*	*	*	1	29	1
0	1	0	36	30	0	1	28	0
0	1	0	56	3	0	1	31	0
0	1	0	14	17	0	0	30	0
0	1	0	4	1	1	1	28	0
0	1	0	2	1	1	0	30	0
0	1	0	1	1	1	0	27	1
0	1	0	1	1	1	1	30	1
0	1	0	0	1	1	0	29	0
0	1	0	1	1	1	0	32	1
0	1	0	1	1	*	*	*	*
0	1	0	1	1	1	1	28	0
0	1	0	1	1	1	0	26	1
*	1	0	0	1	1	1	31	0
0	1	0	1	1	1	1	30	0
0	1	0	1	1	1	0	26	0
0	1	0	1	1	1	2	25	1
	1	0	120	21	0	1	25	3
0	1	0	122	20	1	0	29	1
0	0	0	116	12	0	1	30	0
0	*	*	*	*	*	*	*	*
0	0	0	2	1	2	0	30	1
0	0	0	0	1	2	1	29	0
0	0	0	1	1	2	0	30	0
0	1	0	1	1	2	1	27	2
0	0	0	2	0	2	0	27	1
0	0	0	1	1	2	1	28	0
0	0	0	1	*	*	*	*	*
0	1	0	1	1	2	1	29	0
0	0	0	1	0	2	0	27	0
0	1		119	22	0	1	30	1
0	1	0	121	17	0	0	27	0
0	0	0	59	6	0	1	30	0
0	0	0	3	1	2	1	27	0
0	*	*	*	*	*	*	*	*
0	0	0	1	1	2	0	29	0
0	1	0	1	1	2	1	27	0
1	0	0	1	1	2	1	26	1
0	0	0	1	1	2	1	29	1
0	0	0	2	1	2	0	28	1
0	0	0	1	1	2	0	27	0
*	*	*	1	1		2	27	0
0	0	0	1	1	2	0	27	0
0	0	0	0	1	2	0	27	0
0	0	0	1	1	2	0	28	0
0	1	0	1	1	2	*	*	*
0	0	0	0	1	2	1	28	1
0	0	0	2	1	2	0	27	0

CN	1-13 ENG.2 POWER TURB SPEED PERCNT RPM	1-14 ENG.2 TURB INLET TEMP DEG.C	1-15 ROTOR PERCNT RPM	1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG
91	1	-19	0	0	0	1
92	1	-19	0	1	0	2
93	0	-19	0	1	0	1
94	1	-20	0	0	0	1
95	1	-19	0	0	0	1
96	1	-19	0	0	0	1
97	1	-23	0	1	0	2
98	1	-20	0	0	0	1
99	*	*	*	2	0	0
100	1	-21	0	2	0	1
101	0	-21	0	52	49	1
102	0	-19	0	2	0	2
103	*	*	*	*	*	*
104	1	-21	0	1	0	2
105	0	-19	0	2	0	1
106	0	-19	0	1	0	1
107	*	*	*	*	*	*
108	1	-18	0	2	0	54
109	0	-19	0	22	0	122
110	1	-19	8	21	0	123
111	*	*	*	*	*	118
112	1	-19	22	21	0	112
113	1	-19	24	21	0	104
114	1	-21	24	21	0	107
115	*	*	26	21	0	117
116	0	-23	27	21	0	95
117	1	-19	28	21	0	69
118	0	-19	28	21	0	60
119	1	-19	30	21	0	52
120	0	-19	28	2	0	30
121	1	-19	12	2	0	0
122	0	-21	4	2	0	0
123	1	-19	0	2	0	0
124	1	-19	0	2	0	0
125	0	-20	0	2	0	0
126	0	-19	0	2	0	0
127	1	-19	0	2	0	0
128	0	-20	0	*	*	*
129	0	-21	0	2	0	1
130	0	-20	0	2	0	0
131	1	-19	0	2	0	0
132	*	-23	0	2	0	1
133	0	-19	0	2	0	1
134	0	-19	0	2	0	1
135	0	-19	0	2	0	1
136	0	-19	0	2	0	1
137	1	-20	0	2	0	0
138	0	-19	0	2	0	0
139	0	-19	0	2	0	1
140	1	-20	0	2	0	1

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15	1-17	1-18	1-19	1-20	1-21	1-22	1-23	1-24
ER	L.H.	R.H.	ENG.1	ENG.1	ENG.1	ENG.1	ACCESS	MAIN
NT	THROTT	THROTT	OIL	SCAV	FUEL	NOSE	GEAR	GEAR
PM	POS	POS	PUMP	PUMP	BOOST	GEAR	BOX	BOX
			OUTLET	OUTLET	PUMP	BOX	OIL	OIL
			PRESS	PRESS	OUTLET	OIL	PRESS	PRESS
	PERCNT	PERCNT	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG
	0	0	1	2	3	1	26	0
	1	0	2	1	3	1	26	0
	1	0	1	1	2	1	26	0
	0	0	1	1	3	1	27	1
	0	0	1	1	3	0	27	1
	0	0	1	1	3	1	27	0
	1	0	2	1	3	1	27	0
	0	0	1	1	3	1	27	0
*	2	0	0	1	3	1	27	0
	2	0	1	1	3	1	25	0
	52	49	1	1	3	1	26	1
	2	0	2	1	3	1	27	1
*	*	*	*	1	3	1	28	1
	1	0	2	1	3	1	25	1
	2	0	1	1	3	1	25	0
	1	0	1	1	3	1	26	0
*	*	*	*	1	3	1	26	1
	2	0	54	27	1	0	25	0
	22	0	122	17	7	1	27	0
	21	0	123	16	14	24	27	0
*	*	*	118	12	18	28	25	25
	21	0	112	11	12	27	25	28
	21	0	104	1	21	26	27	29
	21	0	107	1	8	31	25	29
	21	0	117	16	16	25	27	30
	21	0	95	20	8	24	27	29
	21	0	69	18	8	22	27	30
	21	0	60	16	16	21	26	29
	21	0	52	17	24	21	26	30
	2	0	30	12	11	19	25	28
	2	0	0	2	8	1	26	25
	2	0	0	1	9	0	24	6
	2	0	0	1	11	1	24	1
	2	0	0	0	11	1	26	1
	2	0	0	0	11	0	27	0
	2	0	0	0	11	1	26	0
	2	0	0	0	11	1	27	0
	*	*	*	*	*	*	*	*
	2	0	1	0	12	1	26	1
	2	0	0	0	11	1	25	1
	2	0	0	0	12	0	26	0
	2	0	1	0	12	1	25	1
	2	0	1	0	12	1	26	1
	2	0	1	0	12	1	25	0
	2	0	1	0	12	1	27	0
	2	0	1	0	12	1	26	1
	2	0	0	1	*	*	*	*
	2	0	0	0	12	1	25	0
	2	0	1	0	12	1	25	1
	2	0	1	0	12	1	26	1

CN	1-13 ENG.2 POWER TURB SPEED PERCNT RPM	1-14 ENG.2 TURB INLET TEMP DEG.C	1-15 ROTOR PERCNT RPM	1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG
141	*	-19	0	2	0	0
142	1	-19	0	2	0	1
143	0	-19	0	2	0	0
144	1	-20	0	2	0	1
145	1	-18	0	2	0	0
146	1	-19	0	*	*	*
147	0	-19	0	2	0	1
148	0	-19	0	2	0	1
149	1	-19	0	2	0	0
150	0	-19	0	2	0	1
151	1	-19	0	2	0	1
152	0	-19	0	3	0	1
153	1	-18	0	2	0	1
154	0	-19	0	2	0	1
155	0	-19	0	2	0	1
156	0	-19	0	2	0	1
157	0	-19	0	2	0	1
158	0	-19	0	2	0	1
159	1	-19	0	2	0	1
160	*	*	*	2	0	0
161	0	-21	0	2	0	0
162	1	-20	0	1	0	1
163	1	-19	0	1	0	1
164	0	-19	0	1	0	1
165	*	*	*	1	0	0
166	1	-19	0	1	0	20
167	1	-20	9	22	0	69
168	1	-18	22	22	0	58
169	1	-18	26	22	0	49
170	*	-19	32	34	0	52
171	0	-19	58	38	0	59
172	0	-20	90	42	0	56
173	0	-19	95	77	0	52
174	0	-20	101	88	0	48
175	0	-19	101	88	0	44
176	0	-23	101	86	0	43
177	*	-19	*	89	0	41
178	0	-19	101	88	0	40
179	1	-18	101	86	0	39
180	3	20	102	88	17	38
181	57	263	101	*	*	*
182	61	272	101	88	17	37
183	61	276	101	89	17	38
184	60	277	100	89	17	38
185	61	281	101	89	17	38
186	*	280	101	89	17	37
187	*	276	*	89	46	39
188	105	272	105	90	91	36
189	103	336	*	89	85	33
190	103	300	103	87	83	36

1-15 TOR CNT RPM	1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG
0	2	0	0	0	13	1	25	1
0	2	0	1	0	13	1	25	0
0	2	0	0	0	13	1	27	0
0	2	0	1	0	13	1	25	0
0	2	0	0	0	13	2	25	1
0	*	*	*	*	*	*	*	*
0	2	0	1	0	13	1	25	0
0	2	0	1	0	13	1	26	1
0	2	0	0	0	13	1	26	0
0	2	0	1	1	13	1	25	0
0	2	0	1	0	13	1	25	1
0	3	0	1	0	13	1	25	1
0	2	0	1	0	13	2	24	0
0	2	0	1	0	13	2	25	1
0	2	0	1	0	13	1	26	1
0	2	0	1	0	13	1	24	0
0	2	0	1	0	14	1	26	1
0	2	0	1	0	13	1	26	0
0	2	0	1	0	14	1	26	1
*	2	0	0	0	14	0	25	0
0	2	0	0	0	14	1	26	1
0	1	0	1	0	14	2	25	0
0	1	0	1	0	14	1	26	1
0	1	0	1	0	15	1	25	1
*	1	0	0	0	14	1	27	1
0	1	0	20	0	12	0	25	0
9	22	0	69	21	20	6	25	1
12	22	0	58	18	20	19	26	28
16	22	0	49	21	21	19	25	30
22	34	0	52	18	20	27	26	32
28	38	0	59	18	20	55	26	44
30	42	0	56	19	23	64	24	67
35	77	0	52	22	22	66	25	71
41	88	0	48	24	23	67	26	70
41	88	0	44	19	22	66	26	73
41	88	0	43	24	23	64	24	71
41	89	0	41	29	25	61	23	71
41	88	0	40	30	22	50	24	71
41	88	0	39	33	23	45	27	72
42	88	17	38	25	22	59	25	71
41	*	*	*	*	*	*	*	*
41	88	17	37	19	24	62	23	72
41	89	17	38	22	25	63	24	72
40	89	17	38	19	22	64	24	73
41	89	17	38	23	22	63	24	74
41	89	17	37	22	23	64	26	73
*	89	46	38	21	22	65	23	74
5	90	91	36	18	20	64	24	76
0	89	85	33	20	21	61	25	75
3	87	83	36	21	23	63	24	76

CN	1-13 ENG.2 POWER TURB SPEED PERCNT RPM	1-14 ENG.2 TURB INLET TEMP DEG.C	1-15 ROTOR PERCNT RPM	1-17 L.H. THRCTT POS PERCNT	1-18 R.H. THRCTT POS PERCNT	1-1 ENG. OI PUM OUTLE PRES PSI
191	101	304	101	82	82	34
192	*	*	*	*	*	*
193	102	309	100	84	81	36
194	101	294	102	85	81	36
195	98	325	97	57	90	30
196	94	309	93	63	64	32
197	99	311	99	81	79	35
198	99	297	101	*	*	*
199	101	299	99	83	79	36
200	101	296	100	83	79	35
201	100	309	100	83	79	36
202	102	300	102	86	81	38
203	101	362	101	86	82	41
204	*	*	*	*	*	*
205	101	364	101	83	82	40
206	100	384	100	80	77	41
207	101	365	101	80	77	41
208	101	365	100	80	78	40
209	100	369	101	80	78	41
210	101	372	100	80	78	41
211	101	372	101	80	78	41
212	101	391	100	80	78	43
213	100	437	100	80	77	44
214	101	437	100	80	78	44
215	100	442	99	80	77	44
216	100	441	99	80	77	45
217	*	*	*	80	77	45
218	100	440	100	80	77	44
219	100	443	100	80	78	45
220	100	443	99	80	77	45
221	99	447	99	80	78	46
222	101	450	100	84	80	45
223	101	460	100	83	80	48
224	101	485	100	84	80	48
225	*	495	101	84	80	48
226	101	489	100	83	80	48
227	100	488	100	83	80	48
228	101	490	*	84	80	48
229	101	493	101	83	80	48
230	101	510	100	83	80	47
231	102	441	101	84	80	42
232	*	408	*	83	80	42
233	102	406	101	83	80	43
234	101	321	101	83	79	38
235	102	316	101	84	80	39
236	101	312	*	84	79	39
237	101	319	99	84	80	38
238	101	319	101	83	80	39
239	101	319	101	83	79	39
240	101	317	101	83	80	39

1-15 ROTOR PERCNT RPM	1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG
101	82	82	34	19	24	62	23	74
*	*	*	*	*	23	64	27	75
100	84	81	36	19	22	64	23	76
102	85	81	36	19	22	64	25	74
97	57	90	30	18	21	62	25	75
93	63	64	32	20	19	65	27	71
99	81	79	35	19	22	63	23	75
101	*	*	*	*	*	*	*	*
99	83	79	36	19	21	64	26	74
100	83	79	35	18	22	65	26	74
100	83	79	36	18	21	64	25	75
102	86	81	38	21	24	65	27	77
101	86	82	41	24	24	66	26	76
*	*	*	*	*	*	64	25	76
101	83	82	40	22	24	65	24	75
100	80	77	41	20	22	66	24	76
101	80	77	41	19	22	64	26	74
100	80	78	40	19	23	65	25	74
101	80	78	41	21	24	64	25	75
100	80	78	41	16	25	65	26	73
101	80	78	41	21	26	62	27	*
100	80	78	43	24	25	64	27	74
100	80	77	44	18	24	65	26	74
100	80	78	44	17	24	65	25	73
99	80	77	44	21	24	67	26	74
99	80	77	45	22	24	65	25	73
*	80	77	45	19	22	66	24	72
100	80	77	44	18	23	65	25	71
100	80	78	45	19	23	64	25	71
99	80	77	45	18	25	64	26	69
99	80	78	46	19	24	65	25	69
100	84	80	45	18	23	65	26	70
100	83	80	48	18	25	67	26	70
100	84	80	48	18	23	67	24	70
101	84	80	48	20	*	*	*	*
100	83	80	48	22	22	65	27	69
100	83	80	48	21	23	66	25	69
*	84	80	48	17	26	60	26	70
101	83	80	48	18	25	65	25	70
100	83	80	47	18	24	63	25	70
101	84	80	42	16	22	65	25	71
*	83	80	42	18	23	63	25	71
101	83	80	43	*	*	*	*	*
101	83	79	38	16	21	64	27	72
101	84	80	39	17	23	69	27	71
*	84	79	39	15	22	68	25	71
99	84	80	38	16	24	64	27	71
101	83	80	39	15	21	68	25	71
101	83	79	39	15	21	68	25	72
101	83	80	39	21	24	67	23	71

CN	1-13 ENG.2 POWER TURB SPEED PERCNT RPM	1-14 ENG.2 TURB INLET TEMP DEG.C	1-15 ROTOR PERCNT RPM	1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG
241	101	312	101	84	79	40
242	*	*	*	84	80	39
243	101	316	100	84	79	39
244	*	317	101	83	80	39
245	101	314	100	83	80	39
246	101	348	100	26	80	27
247	100	346	100	3	77	15
248	15	209	49	3	0	0
249	3	140	32	3	0	0
250	1	120	22	3	0	0
251	1	117	14	3	0	0
252	*	*	*	*	*	0

1-15 TOR CNT RPM	1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG
101	84	79	40	16	21	69	27	71
*	84	80	39	16	21	69	25	72
100	84	79	39	15	24	*	*	*
101	83	80	39	14	24	67	25	71
100	83	80	39	16	21	67	27	70
105	26	80	27	12	18	58	30	70
100	3	77	15	9	3	29	27	70
49	3	0	0	2	0	1	8	36
32	3	0	0	1	0	0	1	13
22	3	0	0	1	0	0	0	6
14	3	0	0	0	1	1	-1	3
*	*	*	0	0	1	1	-1	1

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HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
13 MAY 70
-45 DEG.F. RUN NO. 15
TAPE 086 1 FILE

CN	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
1	0	0
2	1	0
3	1	*
4	0	0
5	0	0
6	0	*
7	0	0
8	0	0
9	1	*
10	0	0
11	1	0
12	1	*
13	1	1
14	0	1
15	*	*
16	1	1
17	1	1
18	*	*
19	1	1
20	1	1
21	*	*
22	0	0
23	0	1
24	0	1
25	0	1
26	1	1
27	0	1
28	1	0
29	1	0
30	1	0
31	1	1
32	0	1
33	1	1
34	1	1
35	0	1
36	0	1
37	1	0
38	1	1
39	1	1
40	*	*

CN	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
41	1	0
42	0	1
43	1	1
44	1	0
45	0	0
46	1	0
47	1	1
48	1	1
49	1	1
50	0	1
51	1	1
52	0	1
53	*	*
54	1	1
55	1	2
56	1	1
57	0	1
58	1	1
59	0	1
60	1	0
61	2	0
62	1	0
63	1	2
64	1	2
65	1	2
66	1	2
67	0	2
68	0	2
69	1	2
70	*	*
71	1	2
72	0	2
73	1	0
74	1	0
75	2	0
76	0	2
77	*	*
78	0	2
79	1	2
80	2	2
81	1	3
82	1	3
83	1	2
84	0	2
85	0	2
86	1	3
87	0	3
88	*	*
89	1	3
90	0	3

CN	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
91	1	3
92	1	3
93	1	3
94	1	3
95	1	3
96	1	3
97	1	3
98	1	3
99	1	3
100	1	3
101	1	3
102	1	3
103	0	3
104	0	4
105	1	4
106	1	4
107	1	4
108	1	1
109	6	6
110	26	15
111	26	15
112	25	15
113	26	15
114	27	15
115	26	16
116	26	15
117	26	15
118	26	15
119	27	15
25	6	11
120	1	8
121	1	9
123	0	11
124	1	11
125	1	12
26	2	11
127	1	11
128	*	*
129	1	11
130	0	12
131	0	12
132	1	12
133	1	12
134	1	12
135	1	12
136	0	12
137	*	*
138	1	12
139	2	12
140	2	12

CN	1-25 ENG. 1 BLEED AIR PRESS PSIG	1-26 ENG. 1 FUEL PUMP INLET PRESS PSIG
141	1	12
142	1	13
143	0	13
144	1	13
145	1	13
146	1	13
147	1	13
148	2	13
149	1	13
150	1	13
151	*	*
152	1	13
153	1	13
154	1	13
155	1	14
156	1	14
157	1	14
158	1	14
159	1	14
160	1	14
161	1	14
162	0	14
163	1	14
164	2	15
165	4	15
166	1	12
167	26	16
168	33	15
169	27	15
170	39	17
171	82	21
172	98	20
173	101	18
174	109	18
175	108	22
176	109	*
177	108	22
178	107	20
179	108	16
180	109	23
181	*	18
182	108	21
183	107	21
184	107	20
185	108	23
186	106	28
187	109	22
188	96	18
189	79	18
191	85	21

CN	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
191	79	19
192	87	20
193	85	19
194	86	21
195	52	20
196	58	21
197	73	18
198	81	20
199	81	21
[illegible]	79	20
[illegible]	79	21
[illegible]	68	18
[illegible]	124	16
[illegible]	124	23
[illegible]	121	21
[illegible]	121	19
[illegible]	122	23
[illegible]	124	22
[illegible]	120	23
[illegible]	120	23
[illegible]	*	*
[illegible]	130	15
[illegible]	145	25
[illegible]	146	14
[illegible]	148	16
[illegible]	148	29
[illegible]	147	17
[illegible]	150	25
[illegible]	149	21
[illegible]	146	18
[illegible]	148	17
222	148	25
223	161	26
224	163	21
[illegible]	*	*
[illegible]	162	29
[illegible]	163	24
[illegible]	162	25
[illegible]	164	25
23	161	25
[illegible]	123	16
[illegible]	118	23
233	*	*
234	78	22
235	78	21
236	76	21
237	76	21
238	76	17
239	76	21
240	77	21

CN	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
241	76	22
242	77	20
243	*	*
244	76	21
245	76	22
246	26	14
247	10	10
248	1	0
249	1	0
250	1	1
251	1	1
252	1	1

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
13 MAY 76
-45 DEG.F. RUN NO. 15
TAPE 086 1 FILE

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG
1	0	2	0	0	5
2	0	21	0	0	5
3	*	*	*	*	0
4	*	*	0	0	0
5	1	20	0	-10	0
6	*	*	*	*	5
7	2	0	0	0	0
8	2	19	0	-15	5
9	*	*	*	*	0
10	2	59	0	0	5
11	3	19	0	-10	0
12	*	*	*	0	10
13	3	58	0	0	0
14	4	18	0	0	5
15	*	*	0	-15	10
16	4	57	-1	-10	10
17	5	17	-1	-10	0
18	5	37	-1	-30	10
19	5	56	0	0	0
20	6	16	-1	-10	0
21	6	36	-1	0	5
22	6	56	-1	0	5
23	7	16	-2	-20	0
24	7	35	-1	-10	0
25	7	55	-1	-10	10
26	8	14	-1	-35	0
27	8	34	-1	0	0
28	8	54	-2	-15	0
29	9	14	-1	-10	0
30	9	33	-1	0	5
31	9	53	-1	-25	0
32	10	12	-1	-15	5
33	10	32	-1	-20	0
34	10	52	-1	5	10
35	11	12	-1	-25	20
36	11	31	-1	-10	10
37	11	51	*	*	*
38	12	11	-1	-5	20
39	12	31	-1	0	5
40	*	49	-1	0	*

-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCSI (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
2	0	0	5	[illegible]	5	0	6	0
21	0	0	5	[illegible]	[illegible]	10	4	2
*	*	*	0	[illegible]	0	10	2	0	
3	0	0	0	[illegible]	5	20	4	-8
20	0	-10	0	[illegible]	0	10	4	-4
*	*	*	5	[illegible]	[illegible]	15	2	-4
0	0	0	0	[illegible]	5	15	2	0
19	0	-15	5	[illegible]	5	5	6	4
*	*	*	0	[illegible]	5	10	0	0
9	0	0	5	[illegible]	0	10	0	4
29	0	-10	0	[illegible]	0	0	8	0
*	*	0	10	[illegible]	3030	2965	46	40
8	0	0	0	29	3110	3025	44	36
18	0	0	5	30	3060	3050	40	36
*	0	-15	10	32	3065	3025	44	36
7	-1	-10	10	31	3060	3060	48	26
7	-1	-10	0	30	3065	3050	40	26
7	-1	-30	10	31	3060	3035	26	36
6	0	0	0	28	3060	3040	30	36
6	-1	-10	0	31	2995	2910	22	28
6	-1	0	5	30	3010	3035	40	30
6	-1	0	5	32	3030	3020	34	28
5	-2	-20	0	32	2960	3025	32	22
5	-1	-10	0	31	3030	3005	48	34
5	-1	-10	10	31	3030	3035	36	28
4	-1	-35	0	31	3060	3015	40	30
4	-1	0	0	32	3040	3015	34	28
4	-2	-15	0	30	2960	3015	30	22
4	-1	10	0	32	3010	3010	24	26
3	-1	0	5	32	3015	3020	32	30
3	-1	-25	0	28	3035	3005	36	32
3	-1	-15	5	30	3015	3005	24	32
2	-1	-20	0	32	3005	3010	24	26
2	-1	5	10	31	2995	3015	34	*
2	-1	-25	20	32	2995	3010	34	24
1	-1	-10	10	31	2995	3035	42	30
1	*	*	*	*	*	*	*	*
1	-1	-5	20	30	2995	3005	40	30
1	-1	0	5	31	3030	3000	34	32
0	-1	0	5	31	3020	3000	28	22

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-0 1STAG HYD (AF SERV CYL. PSI
41	13	10	-1	0	15
42	13	30	-1	-5	15
43	13	49	-1	0	5
44	14	9	-1	0	5
45	14	29	0	0	20
46	14	48	0	0	5
47	15	8	0	0	0
48	15	28	0	0	10
49	15	47	-1	0	5
50	16	7	*	*	*
51	16	27	0	-20	20
52	16	46	0	0	20
53	17	6	0	20	5
54	17	26	0	0	20
55	17	45	-1	-5	10
56	18	5	-2	0	15
57	18	25	0	0	5
58	18	44	-2	-35	0
59	19	4	-2	0	5
60	19	24	*	*	*
61	19	43	-1	0	5
62	20	3	-1	0	0
63	20	23	-1	0	5
64	20	42	-1	-5	10
65	21	2	-1	5	5
66	21	22	-1	0	0
67	21	41	-1	0	5
68	22	1	-1	0	0
69	22	21	-1	0	5
70	22	40	-1	0	0
71	23	0	-1	0	0
72	23	20	-1	0	0
73	23	38	-1	0	20
74	23	59	-1	0	10
75	24	19	-1	5	10
76	24	38	-1	0	10
77	24	58	-1	0	5
78	25	18	0	0	20
79	25	37	0	0	10
80	25	57	0	0	0
81	26	17	*	*	*
82	26	36	0	0	0
83	26	56	0	-10	0
84	27	16	0	15	0
85	27	35	0	0	-10
86	27	55	0	-15	0
87	28	15	-2	0	0
88	28	35	-2	-15	0
89	28	54	-1	-15	0
90	29	14	-2	-25	10

2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCSI (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
10	-1	0	15	28	3015	3000	28	28
30	-1	-5	15	28	3010	3000	34	24
49	-1	0	5	31	2995	3015	28	30
9	-1	0	5	30	2965	3000	40	28
29	0	0	20	31	2965	3010	30	22
48	0	0	5	31	3020	3000	26	34
8	0	0	0	32	2945	2985	40	24
28	0	0	10	31	3010	3000	28	22
47	-1	0	5	29	3030	3000	34	30
7	*	*	*	*	*	*	*	*
27	0	-20	20	27	3010	2990	36	28
46	0	0	20	28	2945	3005	22	28
6	0	20	5	31	2965	2975	30	30
26	0	0	20	23	2945	2890	24	22
45	-1	-5	10	28	3060	2980	28	26
5	-2	0	15	27	2950	2960	40	32
25	0	0	5	29	3000	2965	42	36
44	-2	-35	0	29	2970	3000	26	26
4	-2	0	5	28	3020	3000	30	28
24	*	*	*	*	*	*	*	*
43	-1	0	5	28	2965	3000	40	34
3	-1	0	0	28	2960	2990	34	30
23	-1	0	5	32	2970	3005	20	24
42	-1	-5	10	28	2955	3020	26	26
2	-1	5	5	29	2965	2990	26	32
22	-1	0	0	28	2960	3000	40	22
41	-1	0	5	27	2885	*	*	*
1	-1	0	0	26	3020	2985	22	24
21	-1	0	5	27	2965	2980	34	30
40	-1	0	0	30	2960	2980	28	30
0	-1	0	0	30	2995	2965	26	30
20	-1	0	0	28	3020	2970	32	22
38	-1	0	20	31	2885	2990	26	26
59	-1	0	10	30	2995	*	*	*
19	-1	5	10	29	2955	3000	34	28
39	-1	0	10	30	2995	2965	32	28
58	-1	0	5	29	2965	2975	30	24
18	0	0	20	31	2880	2970	34	28
37	0	0	10	28	2960	2965	24	24
57	0	0	0	29	2965	3000	32	24
17	*	*	*	*	*	*	*	*
36	0	0	0	3	3020	2960	22	2
56	0	-10	0	30	2955	2970	32	2
16	0	15	0	28	2960	2965	36	2
35	0	0	-10	3	2995	2965	28	2
55	0	-15	0	26	2980	2960	36	2
15	-2	0	0	27	2960	2970	20	2
35	-2	-15	0	29	3005	2965	24	2
54	-1	-15	0	26	3010	2965	22	2
14	-2	-25	10	27	2985	3000	20	2

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP CUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG
91	29	34	-2	-20	20
92	*	*	*	*	*
93	30	13	-2	0	15
94	30	33	-1	-10	0
95	30	52	-1	-15	10
96	31	12	0	-25	0
97	31	32	-2	-20	-10
98	31	51	-2	-35	-15
99	32	11	-2	-25	0
100	32	31	-2	-20	0
101	32	50	-2	-5	15
102	33	10	-1	-10	0
103	33	30	-1	-30	0
104	33	50	-1	-25	0
105	34	9	-1	-35	0
106	34	29	-1	-10	-15
107	34	49	-2	-20	5
108	35	8	-1	-20	0
109	35	28	-1	-25	-10
110	35	48	8	2840	2800
111	36	8	40	2940	2810
112	36	27	26	2940	2805
113	36	47	34	2940	2845
114	37	7	37	2960	2845
115	37	26	34	2970	2860
116	37	46	25	2925	2855
117	38	6	40	2940	2865
118	38	25	31	2950	2865
119	38	45	41	2955	2900
120	39	5	*	*	*
121	39	24	51	2810	2755
122	39	44	2	565	565
123	40	4	1	115	135
124	*	*	*	*	30
125	40	43	0	0	15
126	41	3	0	5	5
127	41	22	0	-25	0
128	41	42	0	0	0
129	42	2	0	-20	5
130	42	21	0	-35	0
131	42	41	0	-20	10
132	43	1	0	-25	10
133	43	21	0	-10	*
134	43	40	0	-15	-10
135	44	0	0	0	0
136	44	20	0	0	0
137	44	39	0	-10	0
138	44	59	0	-10	20
139	45	19	0	-35	0
140	45	38	0	-10	0

2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCSI (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
34	-2	-20	20	27	2965	3000	34	22
*	*	*	*	*	*	*	36	20
13	-2	0	15	28	2960	2955	20	22
33	-1	-10	0	27	3015	2990	24	22
52	-1	-15	10	29	3000	3000	20	28
12	0	-25	0	*	*	*	*	*
32	-2	-20	-10	25	2950	2965	1064	1056
51	-2	-35	-15	22	2945	2970	1068	1056
11	-2	-25	0	24	3020	2935	1060	1052
31	-2	-20	0	28	3020	2955	1046	1056
50	-2	-5	15	26	3020	2955	1046	1054
10	-1	-10	0	27	2995	2925	1054	1044
30	-1	-30	0	27	2970	2955	1054	1048
50	-1	-25	0	26	2945	2990	1044	1040
9	-1	-35	0	25	2940	2990	1046	1036
29	-1	-10	-15	25	2870	2955	1040	1040
49	-2	-20	5	24	2965	2950	1048	1040
8	-1	-20	0	27	2980	2930	1044	1038
28	-1	-25	-10	30	2945	2970	1042	1034
48	8	2840	2800	27	3020	2965	1056	1040
8	40	2940	2810	26	2965	3000	1040	1040
27	26	2940	2805	25	3010	2970	1046	1036
47	34	2940	2845	26	3000	2970	1042	1030
7	37	2960	2845	26	2960	2960	1040	1036
26	34	2970	2860	25	2880	2980	1046	1040
46	25	2925	2855	26	2965	*	*	*
6	40	2940	2865	24	3020	2975	1048	1032
25	31	2950	2865	30	3010	2965	1040	1034
45	41	2955	2900	28	2955	2965	1040	1034
5	*	*	*	*	*	*	*	*
24	51	2810	2755	24	3015	2940	1044	1032
44	2	565	565	24	2955	2955	1040	1036
4	1	115	135	30	3000	2975	1044	1028
*	*	*	30	30	2870	2965	1028	1036
43	0	0	15	25	2960	2955	1046	1040
3	0	5	5	27	2880	2950	1040	1032
22	0	-25	0	24	2955	2940	1030	1028
42	0	0	0	30	2955	2955	1036	1036
2	0	-20	5	30	3000	2960	1030	1034
21	0	-35	0	29	2995	2980	1046	1030
41	0	-20	10	24	2965	2950	1034	1028
1	0	-25	10	31	2965	2965	1030	1034
21	0	-1[illegible]	*	*	*	*	*	*
40	0	-15	-10	32	2955	2955	1048	1028
0	0	0	0	31	2965	2980	1044	1032
20	0	0	0	30	3010	2955	1038	1028
39	0	-10	0	27	3020	2955	1042	1028
59	0	-10	20	31	2955	3000	1034	1036
19	0	-35	0	26	2965	2955	1038	1036
38	0	-10	0	27	2965	2935	1040	1034

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG
141	45	58	-1	-10	5
142	46	18	*	*	*
143	46	37	-1	-15	0
144	46	57	0	-35	0
145	47	17	0	-35	0
146	47	36	0	-25	-10
147	47	56	-1	-35	10
148	48	16	0	-15	0
149	48	35	0	-25	-15
150	48	55	0	0	-25
151	*	*	0	-20	-10
152	49	34	0	-35	10
153	49	54	0	-25	0
154	50	14	0	-20	-10
155	50	33	0	-25	-10
156	*	*	*	*	*
157	51	13	0	-30	5
158	51	32	0	-20	-10
159	51	52	0	-20	-15
160	52	12	0	-30	-10
161	52	31	*	*	*
162	52	51	0	-35	10
163	53	10	0	-35	-10
164	53	30	0	-35	-35
165	53	50	0	-20	-15
166	54	9	*	*	*
167	54	29	15	2805	2800
168	54	49	40	2960	15
169	55	8	26	2865	2915
170	55	28	30	2950	2950
171	*	*	*	*	*
172	56	7	44	3005	3020
173	56	27	20	2960	3010
174	56	46	14	3040	2985
175	57	6	25	2960	3025
176	*	*	*	3000	2965
177	57	45	25	3010	3025
178	58	5	22	3000	3010
179	58	25	32	3020	3010
180	58	44	25	3005	3000
181	59	4	33	3045	3000
182	59	23	35	3045	3010
183	59	43	27	3010	3020
184	60	3	21	3045	3030
185	60	22	17	3000	3025
186	60	42	30	3020	3015
187	*	*	*	*	*
188	61	21	43	3050	3040
189	61	41	27	3010	3025
190	62	0	35	3100	3010

-03 IME EC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
08	-1	-10	5	25	2960	2965	1034	1034
08	*	*	*	*	*	*	*	*
07	-1	-15	0	25	3010	2930	1034	1026
57	0	-35	0	27	2965	2950	1032	1026
07	0	-35	0	28	3010	2960	1042	1026
06	0	-25	-10	31	2870	2935	1044	1028
56	-1	-35	10	30	2960	2990	1034	1022
16	0	-15	0	23	2995	2955	1044	1026
05	0	-25	-15	30	3010	2955	1040	1022
55	0	0	-25	26	2960	2940	1026	1022
*	0	-20	-10	27	2920	2950	1026	1024
04	0	-35	10	25	2960	2960	1032	1022
54	0	-25	0	32	2960	2970	1040	1028
14	0	-20	-10	31	3010	2980	1040	1028
03	0	-25	-10	26	2955	2970	1038	1022
*	*	*	*	*	*	*	1026	1026
03	0	-30	5	31	2995	2965	1040	1028
02	0	-20	-10	29	2940	2935	1044	1028
02	0	-20	-15	26	3020	2970	1028	1026
02	0	-30	-10	29	2955	2980	1036	1020
01	*	*	*	*	*	*	*	*
01	0	-35	10	24	2995	2970	1026	1028
00	0	-35	-10	24	2995	2940	1024	1020
00	0	-35	-35	30	2955	2955	1038	1020
00	0	-20	-15	28	2960	2935	1034	1026
*	*	*	*	*	*	*	*	*
59	15	2805	2800	29	2955	2955	1032	1018
59	40	2960	15	30	2995	2980	1042	1028
58	26	2865	2915	31	2870	2980	1044	1
58	30	2950	2950	25	2995	2990	1026	1020
*	*	*	*	*	2870	2960	1026	1014
57	44	3005	3020	25	2870	2950	1030	1020
57	20	2960	3010	25	2940	2960	1028	1028
56	14	3040	2985	21	3010	2915	1030	1026
56	25	2960	3025	25	3010	2925	1028	1026
*	*	3000	2985	23	2865	2935	1026	1022
55	25	3010	3025	25	2940	2960	1040	1028
55	22	3000	3010	23	3020	2930	1034	1022
55	32	3020	3010	24	3020	2935	1032	1026
54	25	3005	3000	28	2985	2945	1030	1028
54	33	3045	3000	24	3010	2940	1034	1028
53	35	3045	3010	24	2955	2975	1036	*
53	27	3010	3020	24	3000	2950	1040	1024
53	21	3045	3030	23	2960	2935	1036	1024
52	17	3000	3025	23	2995	2965	1044	1028
52	30	3020	3015	25	3020	2990	1030	1022
*	*	*	*	*	2995	2960	1036	1024
51	43	3050	3040	30	3000	2955	1036	1024
51	27	3010	3025	28	2835	2935	1038	1024
50	35	3100	3010	25	2960	2950	1042	1028

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (FT SERVO CYL.) PSIG
191	62	20	29	2980	3050
192	62	39	27	3000	3020
193	62	59	18	*	*
194	63	19	37	3040	3025
195	63	38	48	3010	2990
196	63	58	42	2970	3010
197	64	17	22	3045	3000
198	64	37	27	3020	3005
199	64	57	32	2960	3010
200	65	16	49	3045	3005
201	65	36	49	3045	3015
202	65	55	29	3005	3000
203	66	15	26	3005	3025
204	66	35	32	3000	3025
205	66	54	*	*	*
206	67	14	25	3045	3015
207	67	34	21	2960	3020
208	67	53	48	2960	3020
209	68	13	21	3020	3005
210	68	32	29	3005	3050
211	*	*	30	3010	3020
212	69	12	25	2960	3040
213	69	31	27	3020	3010
214	69	51	21	3000	3010
215	70	10	40	3020	3020
216	70	30	36	3020	3005
217	70	50	23	2980	3030
218	*	*	*	*	3005
219	71	29	27	2980	3020
220	71	49	24	3020	3005
221	72	8	20	3005	3000
222	72	28	26	2995	3010
223	72	48	23	3000	3020
224	73	7	34	3005	3030
225	73	27	33	2945	3010
226	73	47	21	3020	3040
227	74	6	49	2960	3025
228	74	26	32	3000	3005
229	74	46	18	3020	3015
230	75	5	22	3000	3010
231	75	25	49	3045	3045
232	75	45	35	3020	3020
233	76	4	13	3000	3010
234	76	24	49	*	*
235	76	44	14	3045	2980
236	77	4	34	3045	3000
237	77	23	17	2965	2980
238	77	43	40	3020	3015
239	78	3	49	2980	3015
240	78	23	40	3020	3015

03	2-05	2-06	2-07	2-08	2-09	2-10	2-11	2-12
ME	1STAGE HYD. PUMP INLET PRESS PSIG	1STAGE HYD. PUMP OUTLET PRESS PSIG	1STAGE HYD. (AFT SERVO CYL.) PSIG	2STAGE HYD. PUMP INLET PRESS PSIG	2STAGE HYD. PUMP OUTLET PRESS PSIG	2STAGE HYD. (AFT SERVO CYL.) PSIG	2STAGE AFCS (PITCH /ROLL CHAN) PSIG	2STAGE AFCS (COLL. /YAW CHAN) PSIG
C.								
0	29	2980	3050	30	2945	2935	1040	1036
9	27	3000	3020	24	3010	2950	1034	1030
9	18	*	*	*	*	*	*	*
9	37	3040	3025	25	2940	2990	1040	1034
8	48	3010	2990	25	3005	2960	1038	1024
8	42	2970	3010	28	3005	2945	1052	1040
7	22	3045	3000	24	3000	2990	1032	1036
7	27	3020	3005	24	2945	2950	1040	1026
7	32	2960	3010	*	*	*	*	*
6	49	3045	3005	24	2945	2965	1040	1040
6	49	3045	3015	29	3010	3010	1054	1026
5	29	3005	3000	24	2880	2975	1048	1038
5	26	3005	3025	30	2880	2985	1040	1034
5	32	3000	3025	28	2965	2955	1046	1036
4	*	*	*	*	*	*	*	*
4	25	3045	3015	30	3040	2925	1044	1032
4	21	2960	3020	24	3040	2955	1032	1028
3	48	2960	3020	24	3020	2990	1042	1026
3	21	3020	3005	27	3020	2955	1054	1026
2	29	3005	3050	23	3100	2970	1048	1028
2	30	3010	3020	26	2965	2930	1050	1038
2	25	2960	3040	29	3000	2965	1046	1036
1	27	3020	3010	28	3040	3000	1048	1038
1	21	3000	3010	25	3010	2985	1042	1026
0	40	3020	3020	24	2995	3000	1048	1026
0	36	3020	3005	25	2965	2950	1034	1028
0	23	2980	3030	26	3020	2960	1026	1034
*	*	*	3005	25	3040	2920	1040	1032
9	27	2980	3020	29	2880	2965	1040	1026
9	24	3020	3005	23	3020	2955	1040	1032
8	20	3005	3000	23	2945	2970	1048	1028
8	26	2995	3010	26	2955	2955	1044	1028
8	23	3000	3020	26	2965	2910	1048	1038
7	34	3005	3030	27	2880	2995	1042	1032
7	33	2945	3010	26	2960	3000	1052	1026
7	21	3020	3040	26	*	*	*	*
6	49	2960	3025	29	2940	3010	1036	1026
6	32	3000	3005	26	2870	3000	1054	1032
5	18	3020	3015	25	2995	2930	1040	1026
5	22	3000	3010	24	2945	3005	1042	1042
5	49	3045	3045	27	3010	2990	1040	1026
5	35	3020	3020	25	2950	3000	1042	1020
4	13	3000	3010	24	2940	2975	1040	1042
4	49	*	*	*	*	*	*	*
4	14	3045	2980	31	3010	2960	1044	1032
4	34	3045	3000	29	2960	3000	1048	1034
3	17	2965	2980	29	2945	2980	1044	1032
3	40	3020	3015	32	2980	2970	1042	1036
3	49	2980	3015	31	3010	2980	1044	1032
3	40	3020	3015	24	2960	2965	1046	1036

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG
241	78	43	49	2960	3040
242	79	3	41	3020	3015
243	79	23	17	2915	3030
244	79	42	35	*	*
245	80	2	17	3045	3030
246	80	22	48	3005	3000
247	80	42	30	2960	3000
248	81	1	41	2940	3010
249	81	21	41	2880	2905
250	81	41	23	2810	2855
251	82	0	31	2750	2785
252	82	20	40	1865	1875

2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCSI (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
43	49	2960	3040	24	2965	2965	1048	1038
3	41	3020	3015	31	2960	2940	1034	1040
23	17	2915	3030	27	2965	2960	1048	1026
42	35	*	*	*	*	*	*	*
2	17	3045	3030	27	2960	2970	1042	1036
22	48	3075	3005	29	3027	2965	1046	1032
42	30	2960	3000	33	3060	2970	1050	1034
1	41	2940	3015	24	2865	2990	16	2
21	41	2880	2905	55	2850	2910	14	0
41	23	2810	2855	29	2860	2845	14	8
1	31	2750	2785	12	2790	2790	14	6
20	40	1865	1875	*	2800	2805	20	2

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
13 MAY 70
-42 DEG.F. RUN NO. 15
TAPE 086 1 FILE

CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
[illegible]	4	0	0	2	8
[illegible]	10	0	0	0	6
[illegible]	6	0	15	0	6
4	8	0	0	0	0
5	8	0	0	2	8
6	2	0	0	0	4
7	2	0	5	0	2
8	4	0	0	0	4
9	4	0	15	0	2
10	8	0	5	0	8
11	8	1	10	6	2
12	44	22	3030	2	1088
13	44	25	2990	0	1142
14	44	25	3100	0	1184
15	42	26	3040	4	1190
16	42	26	3000	2	1220
17	40	30	3060	2	1236
18	42	29	3105	0	1256
19	44	28	3055	2	1262
20	42	30	3010	0	1276
21	34	29	3060	0	1284
22	42	29	3010	0	1232
23	42	30	3100	2	1306
24	40	29	3040	0	1332
25	46	29	3055	0	1340
26	40	30	2990	6	1344
27	40	28	304[illegible]	2	1350
28	36	31	2990	4	1370
29	44	31	3020	8	1376
30	44	32	3000	8	1386
31	42	32	3010	12	1392
32	40	31	3055	0	1394
33	36	31	3005	8	1400
34	*	*	*	*	*
35	40	30	3015	2	1408
36	40	31	3040	0	1410
37	44	32	3005	2	1412
38	36	28	3010	4	1406
39	40	30	3010	10	1416
40	48	[illegible]	3010	6	1406

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CN	2-13 UTIL. HYD. AFCS2 (P/A CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 ISTAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
41	34	30	3060	6	1406
42	40	30	3015	8	1420
43	34	31	2990	6	1430
44	40	28	2935	6	1428
45	44	31	3020	4	1422
46	40	30	2960	4	1432
47	42	32	3000	*	*
48	48	32	2950	4	1432
49	34	32	3105	2	1436
50	40	32	3050	2	1442
51	40	31	2925	6	1442
52	46	32	2920	2	1448
53	48	32	2875	6	1456
54	36	29	3050	14	1448
55	38	32	2980	0	1416
56	40	29	3000	0	1426
57	42	29	3030	0	1440
58	40	30	2970	2	1458
59	30	30	3000	0	1460
60	48	32	2960	0	1450
61	50	33	2930	0	1458
62	44	30	2990	0	1454
63	40	29	3015	0	1460
64	36	32	3025	2	1460
65	36	32	2980	6	1468
66	40	29	2975	2	1458
67	*	*	*	*	*
68	36	31	2990	2	1462
69	40	28	2940	0	1462
70	40	31	3005	0	1462
71	40	31	2950	2	1462
72	38	32	3050	4	1466
73	48	31	2920	6	1460
74	*	*	*	*	*
75	40	28	3000	0	1454
76	34	30	3025	6	1460
77	36	31	2965	0	1464
78	38	31	2960	2	1462
79	34	29	3015	4	1464
80	38	31	3000	4	1458
81	*	29	3000	4	1464
82	42	32	3020	2	1462
83	38	28	3015	6	1460
84	36	31	3060	4	1460
85	40	28	3005	2	1460
86	36	30	2925	4	1406
87	34	31	3020	0	1456
88	40	31	2960	0	1464
89	36	31	2990	8	1458
90	34	28	2925	2	1460

CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 ISTAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
91	34	30	2925	4	1450
92	30	32	3000	4	1460
93	28	31	3000	0	1456
94	40	30	3005	4	1454
95	36	31	3000	2	1460
96	*	*	*	*	1366
97	38	29	3000	0	1456
98	30	32	3000	-4	1452
99	36	31	2995	-6	1452
100	32	*	*	*	*
101	34	30	2955	0	1454
102	32	30	2950	-8	1460
103	34	31	3050	0	1448
104	38	29	2935	*	*
105	34	29	3000	0	1452
106	34	30	2970	0	1452
107	32	31	3000	-4	1454
108	40	39	3000	*	*
109	40	25	2940	0	1450
110	36	33	2930	1474	1442
111	34	32	3010	1474	1456
112	40	*	*	*	*
113	44	30	3005	1484	1450
114	32	28	3005	1484	1458
115	38	29	2935	1492	1464
116	*	*	*	*	*
117	40	31	3050	1482	1462
118	34	32	2970	1486	1454
119	30	32	2910	1478	1464
120	*	31	3000	1486	1464
121	30	31	2960	1486	1464
122	34	29	2960	502	1464
123	32	32	2935	126	1460
124	36	32	3040	40	1464
125	36	32	3050	22	1460
126	30	29	3000	18	1460
127	36	27	2925	16	1454
128	26	27	2925	6	1448
129	32	31	3000	6	1456
130	30	28	3050	6	1448
131	32	34	2925	2	1448
132	30	27	2975	8	1456
133	*	*	*	2	1444
134	36	32	2935	6	1442
135	32	32	2925	2	1442
136	26	29	2990	2	1456
137	34	30	3000	6	1448
138	34	27	3020	6	1442
139	36	28	2925	2	1450
140	26	33	3000	6	1452

CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
141	34	32	2920	0	1450
142	*	30	2915	2	1442
143	36	32	3000	8	1446
144	28	31	2910	4	1444
145	34	32	3000	0	1444
146	28	27	3020	4	1444
147	34	60	*	*	*
148	28	28	3000	4	1444
149	26	32	2970	0	1442
150	26	31	3000	4	1442
151	30	32	2935	0	1440
152	34	32	2930	0	1440
153	30	31	2950	0	1444
154	38	30	2990	0	1446
155	34	28	3000	4	1438
156	28	33	3000	0	1444
157	26	30	2925	8	1448
158	22	31	2920	0	1446
159	26	32	3000	0	1444
160	34	29	2970	0	1444
161	*	30	2970	0	1448
162	26	31	2950	2	1448
163	30	31	3000	4	1442
164	28	27	2925	0	1446
165	32	29	3020	4	1448
166	32	42	2895	0	1450
167	26	31	3000	1466	1444
168	28	32	2935	28	1446
169	26	31	2970	1498	1454
170	30	28	3000	1494	1460
171	28	30	2910	1496	1460
172	24	31	3010	1500	1454
173	32	32	3010	1494	1454
174	30	31	3015	1496	1460
175	24	29	2990	1500	1456
176	28	31	3000	1566	1466
177	22	31	2930	1496	1454
178	26	32	3010	1494	1458
179	36	30	3000	1486	1460
180	28	31	2950	1488	1450
181	24	31	2935	1486	1454
182	*	*	*	*	*
183	20	28	3000	1486	1458
184	22	28	3000	1484	1462
185	26	27	2965	1484	1458
186	28	31	2960	1486	1460
187	28	29	2955	1486	1454
188	28	30	2885	1486	1460
189	24	30	3000	1488	1460
190	26	32	2935	1488	1454

CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
191	30	28	2940	1486	1450
192	26	29	2940	1482	1452
193	*	*	3005	1486	1450
194	24	31	2990	1482	1452
195	28	30	2960	1486	1448
196	24	31	2920	1484	1448
197	24	29	3005	1474	1456
198	22	27	2950	1486	1452
199	*	*	*	*	1452
[illegible]	24	30	[illegible]	1486	1446
[illegible]	24	29	2935	1488	1446
[illegible]	26	29	3000	1488	1440
203	22	31	2925	1478	1442
204	26	29	2990	1484	1444
205	28	31	3000	1474	1432
206	28	31	2960	1478	1440
207	26	29	2950	1482	1440
208	26	28	2955	1478	1448
209	22	29	3000	1484	1442
210	28	32	3010	1488	1444
211	22	30	2935	1474	1446
212	22	*	*	*	*
213	28	30	2925	1472	1444
214	26	30	3050	1478	1440
215	26	31	2905	1480	1436
216	30	29	2905	1476	1436
217	24	27	3050	1474	1426
218	20	28	3050	1482	1440
219	22	32	2935	*	*
220	22	28	2975	1468	1440
221	32	31	3030	1472	1426
222	24	34	2905	1476	1440
223	26	31	2935	1480	1442
224	20	28	2950	1484	1448
225	36	32	3005	1480	1440
226	*	*	*	*	1448
227	26	30	3000	1484	1444
228	29	31	2930	1490	1440
229	28	30	3050	1484	1442
230	24	31	2970	1366	1314
231	26	32	2955	1484	1448
232	28	31	3000	1474	1440
233	24	27	3010	1472	1436
234	*	*	3005	1484	1438
235	22	31	3010	1476	1446
236	32	30	2940	1488	1442
237	28	34	2925	1480	1442
238	22	28	2925	1474	1440
239	26	32	2940	1488	1442
240	24	30	2925	1478	1428

CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 ISTAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
241	28	29	2935	1484	1418
242	26	27	2940	1474	1424
243	24	28	2935	1484	1418
244	*	29	2905	1474	1428
245	26	28	3000	1480	1420
246	26	30	2905	1480	1424
247	26	30	2925	1474	1414
248	22	30	2940	1466	1414
249	26	35	2860	1466	1408
250	26	3	2805	1464	1408
251	26	26	2735	1462	1412
252	6	16	1340	1448	1210

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
13 MAY 70
-45 DEG.F. RUN NO. 15
TAPE 086 1 FILE

CN	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP CUT DEG.F
1	0	2	-46	-44
2	0	23	-46	-44
3	0	43	-46	-44
4	1	3	-46	-43
5	1	23	-46	-44
6	1	42	-47	-45
7	2	2	-46	-45
8	2	22	-46	-44
9	2	42	-46	-45
10	3	1	-46	-43
11	3	21	-45	-43
12	3	41	-46	-42
13	4	1	-45	-44
14	4	20	-43	-43
15	4	40	-44	-5
16	5	0	-44	79
17	5	19	-43	137
18	5	39	-38	173
19	5	59	-39	196
20	6	19	-37	210
21	6	38	-38	219
22	6	58	*	*
23	7	18	-34	230
24	7	38	-37	232
25	*	*	*	*
26	8	17	-34	238
27	8	37	-40	237
28	*	*	-39	239
29	9	16	-40	237
30	9	36	-38	238
31	9	55	-39	238
32	10	15	-40	236
33	10	35	-40	238
34	10	55	-40	236
35	11	14	-38	238
36	11	34	-40	236
37	11	54	-40	236
38	12	13	-42	238
39	12	33	-39	236
40	12	53	-42	239

3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP CUT DEG.F	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.F	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.F	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.F	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.F	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.F
2	-46	-44	-44	-45	-35	-40	-43
23	-46	-44	-44	-44	-37	-40	-43
43	-46	-44	-43	-43	-38	-40	-43
3	-46	-43	-44	-44	-39	-40	-43
23	-46	-44	-43	-45	-39	-40	-42
42	-47	-45	-44	-43	-40	-40	-43
2	-46	-45	-44	-43	-40	-41	-41
22	-46	-44	-44	-43	-40	-40	-43
42	-46	-45	-44	-44	-40	-40	-43
1	-46	-43	-44	-43	-39	-40	-43
21	-45	-43	-42	-43	-38	-40	-42
41	-46	-42	-41	-42	-37	-40	-43
1	-45	-44	-44	-41	-38	-40	-44
20	-43	-43	-44	-44	-38	-38	-43
40	-44	-5	-8	-8	26	-39	-43
0	-44	79	77	69	105	-28	-40
19	-43	137	135	123	147	-18	-25
39	-39	173	171	157	173	-8	-11
59	-39	196	194	180	*	*	*
19	-37	210	208	192	197	8	14
38	-38	219	217	204	203	14	25
58	*	*	*	*	*	*	*
18	-34	230	229	213	214	28	36
38	-37	232	231	215	216	33	42
*	*	*	*	*	*	37	46
17	-34	238	236	219	219	44	50
37	-40	237	236	219	221	46	52
*	-39	239	238	221	221	51	56
16	-40	237	236	220	222	58	58
36	-38	238	235	219	219	79	59
55	-39	238	236	219	219	69	60
15	-40	236	235	219	219	69	63
35	-40	238	235	219	221	71	65
55	-40	236	235	219	221	71	64
14	-38	238	236	218	220	75	66
34	-40	236	234	218	221	77	66
54	-40	236	234	217	222	79	69
13	-42	238	234	218	222	81	69
33	-39	238	232	217	221	83	69
53	-42	239	234	219	224	86	71

CN	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP CUT DEG.F
41	13	12	-37	240
42	13	32	-38	240
43	13	52	-40	238
44	*	*	*	*
45	14	31	-40	239
46	14	51	-35	240
47	15	10	-37	241
48	15	30	-42	243
49	15	50	-40	240
50	15	50	-40	239
51	16	29	-43	239
52	16	49	-44	241
53	17	8	-40	240
54	17	28	*	*
55	17	48	-41	238
56	18	8	-45	236
57	18	27	-45	236
58	18	47	-42	234
59	19	7	-42	236
60	19	26	-39	238
61	19	46	-42	238
62	20	6	-42	240
63	20	25	-40	239
64	*	*	*	*
65	21	5	-41	238
66	21	24	-39	237
67	21	44	-39	238
68	22	4	-40	236
69	22	23	-41	235
70	22	43	-35	237
71	*	*	*	*
72	23	22	-40	236
73	23	42	-43	238
74	24	2	-45	238
75	24	21	-41	239
76	24	41	-43	235
77	25	1	-43	234
78	*	*	*	*
79	25	40	-42	236
80	26	0	-47	212
81	26	19	-45	167
82	26	39	-40	182
83	26	59	-42	199
84	27	18	-49	212
85	27	38	-47	218
86	27	58	-42	161
87	28	17	-47	137
88	28	37	-46	166
89	*	*	*	*
90	29	16	-40	206

-03	3-05	3-06	3-07	3-08	3-09	3-10	3-11
IME	HEATER AIR TEMP INTO COMBST DEG.F	HEATER PLENUM CHMBER TEMP OUT DEG.F	HEATER MAIN DIST. DUCT LS FWD DEG.F	HEATER MAIN DIST. DUCT RS FWD DEG.F	DIST. DUCT OUTLET (CKPIT L.S.) DEG.F	DIST. DUCT OUTLET (CKPIT R.S.) DEG.F	DIST. DUCT OUTLET STA460 -470RS DEG.F
EC.							
12	-37	240	236	*	*	*	*
32	-38	240	234	219	223	87	73
52	-40	238	236	219	225	89	75
*	*	*	*	221	225	91	76
31	-40	239	236	220	226	93	79
51	-35	240	236	223	227	94	77
10	-37	241	239	223	228	95	80
30	-42	243	240	222	228	97	81
50	-40	240	237	221	226	100	81
50	-40	239	236	220	226	100	81
29	-43	239	235	218	225	99	83
49	-44	241	234	219	226	99	82
8	-40	240	236	221	226	104	83
28	*	*	*	*	*	*	*
48	-41	238	234	218	226	105	84
8	-45	236	233	217	224	107	85
27	-45	236	233	216	223	106	86
47	-42	234	231	215	224	108	85
7	-42	236	233	216	225	107	85
26	-39	238	233	218	226	108	87
46	-42	238	235	218	225	109	88
6	-42	240	235	220	227	113	87
25	-40	239	235	219	226	111	89
*	*	*	235	219	225	114	80
5	-41	238	234	216	223	113	88
24	-39	237	234	216	225	116	89
44	-39	238	234	217	223	114	91
4	-40	236	232	215	223	116	92
23	-41	235	233	213	224	119	93
43	-35	237	232	216	227	119	93
*	*	*	*	*	*	119	93
22	-40	236	231	214	223	124	92
42	-43	236	232	215	225	126	94
2	-45	238	233	218	225	128	94
21	-41	239	234	217	225	129	93
41	-43	235	232	215	223	133	97
1	-43	234	231	213	223	133	96
*	*	*	231	214	223	133	95
40	-42	236	232	214	223	133	95
0	-47	212	206	189	171	131	95
19	-45	167	163	149	153	126	90
39	-40	182	176	163	183	126	86
9	-42	199	195	180	198	129	84
18	-49	212	208	192	207	129	86
38	-47	218	215	199	206	129	88
58	-42	161	157	140	114	119	89
17	-47	137	134	122	139	119	83
37	-46	166	161	148	173	119	80
*	*	*	*	*	190	121	79
16	-40	206	205	188	206	125	81

CN	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMB. TEMP OUT DEG.F
91	29	36	-47	161
92	29	56	-49	124
93	30	15	-47	153
94	30	35	-49	117
95	30	55	-47	122
96	31	15	-47	157
97	31	34	-49	186
98	31	54	-51	133
99	32	14	-47	120
100	32	33	-49	153
101	32	53	-49	183
102	33	13	-47	184
103	33	32	-49	112
104	33	52	-49	106
105	34	12	-51	145
106	34	31	-47	177
107	34	51	-48	178
108	35	11	-49	110
109	35	31	-53	115
110	35	50	-46	155
111	36	10	-49	186
112	36	30	-50	139
113	36	49	-50	114
114	37	9	-39	151
115	37	29	-40	159
116	37	48	-46	105
117	38	8	-43	129
118	38	28	-45	167
119	38	47	-45	147
120	39	7	-42	108
121	39	27	-45	111
122	39	47	-46	155
123	40	6	-47	177
124	40	26	-47	121
125	*	*	*	*
126	41	5	-46	149
127	41	25	-45	174
128	41	45	-51	119
129	42	4	-52	95
130	42	24	-47	138
131	42	44	-52	173
132	43	3	-47	141
133	43	23	-49	101
134	43	43	-49	133
135	44	2	-50	171
136	44	22	-47	142
137	44	42	-47	97
138	45	1	-52	129
139	45	21	-47	167
140	45	41	-47	155

3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP CUT DEG.F	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.F	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.F	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.F	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.F	3-11 DIST. DUCT OUTLET STA460 -47URS DEG.F
36	-47	161	158	143	118	116	87
56	-49	124	118	108	121	111	81
16	-47	143	147	*	*	*	*
35	-49	117	115	103	87	108	77
55	-47	122	119	106	130	105	78
15	-47	157	155	140	178	109	78
34	-49	186	181	167	180	113	75
54	-51	133	131	117	95	106	77
14	-47	120	118	103	121	101	74
33	-49	153	147	134	162	106	73
53	-49	183	178	165	186	121	73
13	-47	184	181	163	156	111	77
32	-49	112	107	95	71	101	77
52	-49	106	102	91	114	98	73
12	-51	145	140	129	157	102	70
31	-47	177	175	161	184	107	71
51	-48	178	174	159	149	106	75
11	-49	110	106	93	75	96	76
30	-53	115	111	102	127	99	73
50	-46	155	151	140	169	103	69
10	-49	186	184	169	183	106	72
29	-43	139	136	121	99	99	75
49	-40	114	111	101	117	97	74
9	-39	151	147	133	161	102	71
28	-40	150	146	142	134	102	74
48	-46	105	101	91	85	94	73
8	-43	129	123	114	140	97	70
28	-45	167	163	150	174	100	69
47	-45	167	161	147	137	100	72
7	-42	100	94	86	67	93	73
27	-45	111	*	*	*	*	*
47	-46	155	147	137	162	96	68
6	-47	177	174	160	167	102	71
26	-47	121	121	106	82	95	72
*	*	*	*	*	117	91	69
5	-46	149	145	133	161	95	68
25	-45	174	17	155	163	100	69
45	-51	119	116	102	79	93	73
4	-52	99	91	82	100	89	69
24	-47	138	135	121	150	94	67
44	-52	173	167	155	178	97	68
3	-47	141	135	121	99	92	72
23	-49	101	95	84	95	87	70
43	-49	133	*	*	*	*	*
2	-50	171	166	153	161	95	69
22	-47	142	137	124	102	92	71
42	-47	97	92	83	89	86	69
1	-52	129	124	113	132	90	67
21	-47	167	162	149	159	95	68
41	-47	156	149	136	116	93	73

CN	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.F
141	46	1	-47	93
142	46	2[illegible]	-46	113
143	46	4[illegible]	*	*
144	47	0	-43	173
145	47	19	-46	115
146	47	39	-43	99
147	47	59	-42	143
148	48	18	-39	167
149	49	38	-4[illegible]	108
150	48	54	-4[illegible]	1[illegible]3
151	49	17	-43	147
152	*	*	-42	171
153	49	56	-47	117
154	5[illegible]	16	-47	86
155	50	36	-53	126
156	5[illegible]	55	-50	16[illegible]
157	*	*	*	*
158	51	35	-5[illegible]	93
159	51	54	-50	126
160	52	14	-49	1[illegible]1
161	52	34	-49	133
162	*	*	*	*
163	53	15	-52	121
164	53	33	-46	161
165	53	52	-46	135
166	54	12	-49	95
167	*	*	*	*
168	54	51	-45	167
169	55	11	-40	127
170	55	30	-37	87
171	55	50	-40	12[illegible]
172	*	*	*	*
173	56	29	-45	128
174	56	49	-46	90
175	57	9	-43	134
176	57	28	-43	151
177	57	48	-45	99
178	58	7	-43	117
179	58	27	-46	157
180	58	47	-45	152
181	59	6	-43	106
182	59	26	-43	139
183	59	45	-44	*
184	60	5	-40	127
185	60	25	-42	102
186	60	44	-40	141
187	61	4	-40	175
188	61	23	-38	153
189	61	43	-40	98
190	62	[illegible]	-39	130

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03 ME C.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.F	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.F	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.F	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.F	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.F	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.F
1	-47	93	89	79	67	86	71
20	-46	113	[illegible]	98	117	87	69
[illegible]	*	*	*	*	*	*	*
[illegible]	-43	175	[illegible]	155	146	95	70
[illegible]	-46	115	113	100	79	89	71
39	-43	99	95	87	101	87	69
59	-42	143	137	126	143	90	66
18	-39	167	163	147	140	95	69
[illegible]	-40	108	[illegible]	95	73	87	71
[illegible]	-40	103	99	90	106	86	68
17	-43	147	141	129	145	91	66
*	-42	171	169	153	148	95	67
[illegible]	-47	117	115	103	81	89	71
[illegible]	-47	86	82	74	87	84	67
08	-53	126	123	110	131	89	65
55	-50	163	16	146	157	93	67
*	*	*	*	*	111	93	71
35	-52	93	91	80	82	85	70
54	-50	126	117	107	125	87	67
14	-49	161	159	144	155	93	67
34	-49	133	127	114	93	87	69
*	*	*	*	*	*	83	69
13	-52	121	119	107	125	87	64
33	-46	161	158	144	157	95	67
32	-46	135	131	117	97	89	70
12	-49	95	91	82	92	83	69
*	*	*	*	*	*	89	66
31	-45	167	163	149	154	95	67
11	-40	127	124	111	89	87	69
30	-37	87	82	73	82	82	67
50	-40	120	123	110	129	89	65
*	*	*	157	146	156	93	65
29	-45	128	129	117	97	89	67
49	-46	90	95	85	96	86	66
9	-43	134	131	120	137	90	65
28	-43	151	150	137	127	93	66
48	-45	98	95	87	77	83	65
7	-43	117	115	105	123	87	63
27	-46	157	155	143	155	93	62
47	-45	152	150	135	115	89	66
6	-43	106	103	93	96	86	66
26	-43	139	133	122	137	90	64
45	-44	*	*	*	*	*	*
5	-40	127	128	114	91	89	67
25	-42	102	101	91	103	84	65
44	-40	141	139	126	143	92	62
4	-40	175	175	161	166	98	63
23	-38	153	153	137	114	91	67
43	-40	98	97	87	87	86	67
3	-39	130	126	115	132	87	63

2

CN	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMB'T DEG.F	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.F
191	62	22	-40	166
192	62	42	-36	134
193	63	2	-3[illegible]	106
194	*	*	*	*
195	63	41	-34	181
196	64	0	-34	145
197	64	20	-38	121
198	64	40	-35	151
199	64	59	-32	181
200	*	*	*	*
201	65	38	-35	128
202	65	58	-34	161
203	66	18	-38	102
204	66	37	-40	87
205	66	57	-37	100
206	*	*	-37	117
207	67	36	-32	97
208	67	56	-35	69
209	68	15	-31	91
210	68	35	-30	127
211	68	54	-28	134
212	69	14	-28	79
213	69	34	*	*
214	69	53	-29	137
215	70	13	-23	122
216	70	33	-24	88
217	70	52	-26	104
218	71	12	-26	123
219	71	31	-22	73
220	71	51	*	*
221	72	11	-22	121
222	72	30	-20	137
223	72	50	-20	77
224	73	10	-21	93
225	73	29	-18	132
226	73	49	-20	111
227	*	*	-18	95
228	74	28	-13	127
229	74	48	-18	81
230	75	8	-16	87
231	75	27	-15	114
232	75	47	-13	137
233	76	7	-15	75
234	76	27	-12	84
235	76	46	-13	145
236	77	6	-13	*
237	77	26	-15	113
238	77	45	-12	111
239	78	5	-1	109
240	78	26	8	107

3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.F	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.F	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.F	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.F	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.F	3-11 DIST. DUCT OUTLET STA460 -47GRS DEG.F
-40	166	166	151	157	96	65
-36	134	131	117	95	91	66
-39	106	103	93	105	87	64
*	*	*	129	146	93	62
-34	181	177	165	166	97	64
-34	145	141	128	103	93	67
-38	121	119	107	109	89	69
-35	151	148	135	149	94	66
-32	181	176	165	163	100	66
*	*	*	*	96	93	67
-35	128	125	115	127	91	66
-34	161	158	145	149	95	66
-38	102	119	109	102	91	66
-40	87	123	107	129	94	67
-37	100	148	135	149	98	67
-37	117	173	155	163	101	71
-32	97	153	133	123	99	74
-35	69	99	84	151	91	73
-31	91	129	113	136	98	69
-30	127	161	147	161	101	70
-28	134	166	151	137	99	70
-28	79	114	101	104	93	71
*	*	*	*	*	*	*
-29	137	169	151	163	97	69
-23	122	166	144	132	101	74
-24	88	127	111	122	97	74
-26	104	149	133	148	97	73
-26	123	166	148	144	105	75
-22	73	111	95	93	97	73
*	*	*	*	*	*	*
-22	121	161	144	158	101	71
-20	137	171	153	141	99	73
-20	77	111	95	99	94	74
-21	93	127	115	135	97	71
-18	132	165	149	161	102	71
-20	111	149	132	117	99	73
-18	95	132	119	128	99	73
-13	127	159	146	150	103	*
-18	81	114	101	93	95	73
-16	87	119	109	127	99	71
-15	114	156	149	156	101	69
-13	137	171	156	142	103	73
-15	75	108	95	83	95	74
-12	84	117	105	126	95	71
-13	145	166	151	163	103	68
-13	*	*	*	*	*	*
-15	113	134	121	97	95	70
-12	111	115	121	93	94	71
-1	109	111	*	*	93	67
8	107	106	99	82	91	71

CN	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.F
241	78	46	18	104
242	79	5	28	103
243	79	25	35	100
244	79	45	46	99
245	80	5	52	99
246	*	*	*	*
247	80	44	60	99
248	81	*	64	92
249	81	23	67	90
250	81	43	67	89
251	82	3	67	88
252	82	23	68	87

3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.F	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.F	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.F	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.F	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.F	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.F
46	18	104	106	98	77	89	69
5	28	103	103	96	74	87	67
25	35	100	101	95	73	86	66
45	46	99	98	93	71	86	63
5	52	99	95	91	68	85	59
*	*	*	*	*	*	*	59
44	60	99	93	87	65	81	58
4	64	92	88	85	64	80	54
23	67	90	86	84	63	79	53
43	67	89	85	83	64	79	53
3	67	88	83	81	63	76	52
23	68	87	83	81	61	75	50

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
13 MAY 70
-45 DEG.F. RUN NO. 15
TAPE 086 1 FILE

CN	3-12 DIST. DUCT OUTLET STA46C -470LS DEG.F	3-13 PILOTS HEAD LEVEL TEMP DEG.F	3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F
1	-42	-38	*	*	*	*
2	-43	-37	-45	-45	-46	-34
3	-43	-38	-45	-46	-46	-36
4	-42	-37	-46	*	*	*
5	-42	-38	-44	-46	-46	-37
6	-43	-39	-45	-46	-46	-37
7	-44	-40	-46	*	*	*
8	-43	-39	-46	-46	-46	-38
9	-43	-39	-46	-46	-46	-37
10	-41	-39	-46	*	*	*
11	-42	-39	-44	-44	-45	-34
12	-42	-38	-44	-45	-43	-34
13	-44	-36	*	*	*	*
14	-44	-40	-46	-46	-47	-37
15	-43	-40	-45	-44	-44	-37
16	*	*	*	*	*	*
17	-21	-32	-37	-25	-37	-26
18	-6	-31	-30	-19	-37	-19
19	*	*	*	*	*	*
20	25	-18	-17	-9	-29	-5
21	33	-12	-13	-5	-25	1
22	*	*	-9	1	-22	8
23	45	-7	-6	2	-24	14
24	48	-2	-3	5	-24	17
25	51	4	-2	9	-17	20
26	55	6	3	10	-15	22
27	59	9	5	12	-15	26
28	62	12	11	14	-12	30
29	63	17	20	19	-15	31
30	66	24	26	24	-8	33
31	67	25	30	24	-11	34
32	69	23	25	24	-11	37
33	69	26	23	26	-5	39
34	69	26	24	28	-4	41
35	71	31	26	31	1	43
36	73	31	27	31	3	45
37	74	33	30	33	2	47
38	75	37	31	37	7	*
39	77	38	31	38	8	51
40	77	39	32	37	11	55

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3-14	3-15	3-16	3-17	3-18	3-19	3-20	3-21	3-23
PILOTS	PILOTS	PILOTS	CO-PLT	CO-PLT	CO-PLT	CO-PLT	CARGO	CARGO
CHEST	FOOT	FLOOR	HEAD	WAIST	FOOT	FLOOR	AREA	AREA
LEVEL	LEVEL	MASS	LEVEL	LEVEL	LEVEL	MASS	FWD	FWD
TEMP	TEMP	TEMP	TEMP	TEMP	TEMP	TEMP	HEAD LEVEL	FOOT LEVEL
DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F
*	*	*	*	*	*	*	*	*
-45	-45	-46	-34	-45	-46	-46	-40	-47
-45	-46	-46	-36	-45	-45	-46	-40	-47
-46	*	*	*	*	*	*	*	613
-44	-46	-46	-37	-46	-46	-46	-41	-47
-45	-46	-46	-37	-46	-46	-46	-42	-48
-46	*	*	*	*	*	*	*	*
-46	-46	-46	-38	-46	-46	-46	-42	-47
-46	-46	-46	-37	-45	-46	-47	-41	-48
-46	*	*	*	*	*	*	*	*
-44	-44	-45	-34	-44	-45	-46	-40	-47
-44	-45	-43	-34	-44	-45	-46	-41	-47
*	*	*	*	*	*	*	*	-47
-46	-46	-47	-37	-46	-46	-47	-43	-48
-45	-44	-44	-37	-46	-37	-45	-35	-46
*	*	*	*	*	*	*	-8	-42
-37	-25	-37	-26	-18	1	-40	20	-42
-30	-19	-37	-19	-6	12	-37	33	-40
*	*	*	*	2	22	-34	49	-38
-17	-9	-29	-5	7	29	-30	66	-37
-13	-5	-25	1	16	33	-27	73	-37
-9	1	-22	8	24	41	-24	75	-37
-6	2	-24	14	26	45	-22	89	-37
-3	5	-24	17	31	48	-18	93	-37
-2	9	-17	20	33	52	-13	91	-36
3	10	-15	22	37	54	-10	95	-35
5	12	-15	26	38	56	-8	103	-35
11	14	-12	30	40	57	-6	104	-35
20	19	-15	31	42	49	-4	107	-34
26	24	-8	33	47	46	-2	106	-33
30	24	-11	34	50	60	1	110	-31
25	24	-11	37	50	66	3	111	-31
23	26	-5	39	51	67	7	111	-31
24	28	-4	41	53	68	10	113	-30
26	31	1	43	57	73	14	108	-28
27	31	3	45	59	75	14	113	-23
30	33	2	47	59	73	17	117	-19
31	37	1	*	*	*	*	*	*
31	38		51	61	78	25	113	-19
32	37	41	55	64	79	24	115	-17

CN	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.F	3-13 PILOTS HEAD LEVEL TEMP DEG.F	3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F
41	*	*	*	*	*	53
42	81	45	33	41	17	54
43	81	45	35	43	10	57
44	81	48	37	47	17	59
45	84	48	40	47	14	61
46	85	52	40	50	19	62
47	85	51	40	49	23	63
48	86	52	42	52	24	65
49	86	53	44	54	19	66
50	85	55	44	54	17	66
51	87	59	47	58	26	*
52	88	55	49	58	28	69
53	87	58	47	59	29	70
54	*	59	49	60	24	71
55	89	61	50	61	25	73
56	90	62	52	63	31	73
57	91	63	55	63	26	73
58	90	65	55	64	33	74
59	89	64	56	66	31	73
60	92	67	58	67	31	74
61	91	70	58	*	*	*
62	94	68	60	69	32	78
63	93	68	60	69	34	79
64	95	69	61	72	35	79
65	95	71	63	73	37	81
66	95	73	65	74	48	81
67	97	71	64	75	40	81
68	95	72	65	76	44	83
69	96	75	67	75	42	84
70	95	74	67	77	45	83
71	95	75	69	77	40	82
72	97	77	73	80	48	84
73	99	73	77	81	43	83
74	99	77	79	86	45	84
75	99	79	80	87	47	84
76	98	75	79	86	49	86
77	99	77	79	86	50	84
78	99	79	81	89	52	86
79	99	77	82	88	45	86
80	99	81	83	89	60	87
81	93	79	78	86	53	84
82	89	*	*	*	*	*
83	90	78	77	87	55	83
84	91	78	79	89	55	84
85	93	77	80	88	53	85
86	91	77	79	85	52	85
87	85	75	75	82	52	82
88	81	75	75	81	50	80
89	81	78	73	86	53	80
90	85	77	77	87	59	85

3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F	3-18 CO-PLT WAIST LEVEL TEMP DEG.F	3-19 CO-PLT FOOT LEVEL TEMP DEG.F	3-20 CO-PLT FLOOR MASS TEMP DEG.F	3-21 CARGO AREA FWD HEAD LEVEL DEG.F	3-23 CARGO AREA FWD FOOT LEVEL DEG.F
*	*	*	53	64	79	26	120	-16
33	41	17	54	67	81	31	116	-16
35	43	10	57	66	82	31	125	-16
37	47	17	59	70	84	32	120	-14
40	47	14	61	71	84	34	127	-13
40	50	19	62	71	84	38	127	-12
40	49	23	63	73	89	40	124	-12
42	52	24	65	75	91	40	126	-11
44	54	19	66	75	86	42	131	-8
44	54	17	66	77	87	46	130	-8
47	58	26	*	*	*	*	*	*
49	58	28	69	79	93	47	127	-6
47	59	29	70	81	93	48	133	-7
49	60	24	71	81	93	51	131	-6
50	61	25	73	82	93	52	133	-4
52	63	31	73	82	96	55	130	-3
55	63	26	73	84	93	54	134	-3
55	64	33	74	85	95	58	129	-2
56	66	31	73	85	95	57	135	-2
58	67	31	74	86	99	59	129	1
58	*	*	*	*	*	*	*	*
60	69	32	78	88	97	59	137	1
60	69	34	79	89	99	62	138	1
61	72	35	79	87	103	65	132	1
63	73	37	81	89	100	65	138	3
65	74	48	81	91	100	65	138	5
64	75	40	81	92	104	67	133	6
65	76	44	83	91	105	*	*	*
67	75	42	84	93	103	67	137	6
67	77	45	83	95	106	71	136	6
69	77	40	82	97	102	69	140	7
73	80	48	84	97	102	68	141	9
77	81	43	83	95	101	69	137	9
79	86	45	84	95	98	68	142	10
80	87	47	84	97	*	*	*	*
79	86	49	86	99	101	69	139	10
79	86	50	84	99	101	69	137	12
81	89	52	86	99	101	70	142	14
82	88	49	86	99	104	70	137	15
83	89	50	87	99	101	67	136	15
78	86	53	84	96	95	71	118	15
*	*	*	*	*	*	*	*	19
77	87	55	83	95	97	69	126	19
79	89	55	84	98	96	71	130	19
80	88	53	85	101	99	71	129	23
79	85	52	85	95	95	71	111	27
75	82	52	82	91	88	71	101	31
75	81	50	80	91	86	67	113	33
73	86	53	80	91	91	67	122	32
77	87	49	85	97	97	73	122	33

CN	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.F	3-13 PILOTS HEAD LEVEL TEMP DEG.F	3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F
91	87	76	79	87	53	86
92	83	78	77	85	58	83
93	*	*	*	*	*	81
94	78	77	76	84	60	83
95	74	77	73	81	56	79
96	73	76	75	84	57	81
97	77	73	*	*	*	*
98	76	74	77	86	62	82
99	75	73	75	83	60	79
100	73	73	73	85	63	79
101	76	74	75	87	61	81
102	79	71	79	89	62	84
103	79	73	77	81	64	81
104	73	70	74	79	61	77
105	73	69	71	79	60	77
106	73	71	73	86	67	79
107	78	69	74	87	61	82
108	78	71	76	84	60	80
109	74	67	73	82	60	78
110	72	70	73	82	69	78
111	75	71	74	86	67	80
112	77	73	73	86	69	84
113	74	69	73	81	*	*
114	73	67	73	82	65	79
115	75	69	75	84	65	81
116	74	68	74	81	67	80
117	71	*	*	*	*	*
118	71	71	73	84	71	80
119	75	71	76	86	71	82
120	75	71	74	82	73	82
121	*	*	*	*	70	78
122	70	69	71	83	70	78
123	73	67	72	83	67	81
124	74	67	71	82	73	82
125	71	68	71	80	70	79
126	68	71	71	81	72	77
127	72	71	73	87	75	81
128	73	74	73	83	73	81
129	70	71	73	79	73	77
130	69	66	70	79	67	77
131	73	71	73	83	71	79
132	75	71	74	83	71	81
133	73	69	72	79	71	77
134	*	*	*	*	74	77
135	69	69	73	81	72	78
136	74	68	75	80	67	79
137	71	71	72	77	69	76
138	68	73	73	77	73	75
139	70	73	74	82	71	77
140	75	73	74	82	71	79

3-14 LOTS IST EVEL EMP EG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F	3-18 CO-PLT WAIST LEVEL TEMP DEG.F	3-19 CO-PLT FOOT LEVEL TEMP DEG.F	3-20 CO-PLT FLOOR MASS TEMP DEG.F	3-21 CARGO AREA FWD HEAD LEVEL DEG.F	3-23 CARGO AREA FWD FOOT LEVEL DEG.F
79	87	53	86	99	93	73	108	35
77	85	58	83	91	93	73	93	38
*	*	*	81	93	87	73	105	41
76	84	60	83	9[illegible]	86	71	94	43
73	81	56	79	86	84	73	93	42
75	84	57	81	90	85	71	100	43
*	*	*	*	*	*	*	*	42
77	86	62	82	92	91	73	93	43
75	83	60	79	87	83	71	93	45
73	85	53	79	90	85	71	100	44
75	87	61	81	93	*	*	*	*
79	89	62	84	98	93	73	105	44
77	81	64	81	92	91	73	86	45
74	79	61	77	84	87	74	81	46
71	79	60	77	86	87	73	*	*
73	86	67	79	90	89	74	106	45
74	87	61	82	95	93	73	105	48
76	84	60	80	92	87	73	87	47
73	82	60	78	84	87	*	*	*
73	82	69	78	88	86	73	93	48
74	86	67	80	93	90	75	105	45
73	86	69	84	95	92	74	93	49
73	81	*	*	*	*	*	*	*
73	82	65	79	88	86	73	95	49
75	84	65	81	93	86	73	103	51
74	81	67	80	89	86	73	84	51
*	*	*	*	*	*	*	*	51
73	84	71	80	90	87	75	102	51
76	86	71	82	91	90	74	105	49
74	82	73	82	86	90	73	79	50
*	*	70	78	84	86	73	79	52
71	83	70	78	86	84	74	99	51
72	83	67	81	91	90	75	101	50
71	82	73	82	92	88	76	86	51
71	80	70	79	85	83	75	87	52
71	81	72	77	87	85	74	97	53
73	87	75	81	93	86	75	106	51
73	83	73	81	90	86	75	91	52
73	79	73	77	82	83	77	79	54
70	79	67	77	85	83	*	*	*
73	83	71	79	88	85	73	103	51
74	83	71	81	90	87	75	96	51
72	79	71	77	85	81	75	84	55
*	*	74	77	81	80	74	91	55
73	81	72	78	83	86	75	104	51
75	80	67	79	81	90	76	91	52
72	77	69	76	80	79	74	76	53
73	77	73	75	79	79	75	90	53
74	82	71	77	79	86	75	*	*
74	82	71	79	83	89	77	97	50

CN	3-12 DIST. DUCT OUTLET STA460 -47?LS DEG.F	3-13 PILOTS HEAD LEVEL TEMP DEG.F	3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F
141	73	71	73	78	68	77
142	70	73	72	78	72	77
143	*	*	74	80	72	77
144	73	71	75	81	71	79
145	73	73	75	79	75	79
146	70	74	73	77	75	76
147	68	71	71	80	71	75
148	71	71	*	*	*	*
149	71	74	73	79	73	79
150	67	69	71	76	70	77
151	67	71	71	77	71	75
152	71	75	73	82	76	78
153	73	73	73	79	74	79
154	69	70	70	75	73	76
155	66	73	71	75	75	75
156	68	75	73	80	73	76
157	72	73	73	81	75	77
158	71	73	73	76	75	77
159	69	73	73	77	71	75
160	69	73	73	79	77	76
161	72	73	73	80	71	77
162	68	71	72	75	69	77
163	69	75	72	78	73	74
164	67	71	73	79	78	77
165	71	73	73	79	75	76
166	69	72	73	75	73	75
167	66	73	73	77	74	74
168	67	77	73	83	78	77
169	71	75	73	81	75	77
170	67	76	73	76	73	75
171	66	71	71	75	70	74
172	66	71	73	79	71	75
173	69	75	75	82	74	77
174	66	71	75	77	73	76
175	65	71	74	77	73	74
176	66	75	72	79	75	73
177	66	75	71	78	73	74
178	63	78	71	75	*	*
179	65	68	75	79	69	77
180	67	76	75	80	76	78
181	66	74	71	78	74	77
182	64	71	71	78	73	71
183	*	*	*	79	73	73
184	67	76	74	81	73	75
185	63	69	74	75	77	74
186	62	74	73	77	73	73
187	64	69	74	82	73	73
188	67	76	75	82	75	75
189	67	70	74	78	*	*
190	63	75	73	78	73	73

3-14 OTS IST VEL EMP G.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F	3-18 CO-PLT WAIST LEVEL TEMP DEG.F	3-19 CO-PLT FOOT LEVEL TEMP DEG.F	3-20 CO-PLT FLOOR MASS TEMP DEG.F	3-21 CARGO AREA FWD HEAD LEVEL DEG.F	3-23 CARGO AREA FWD FOOT LEVEL DEG.F
73	78	68	77	79	84	77	74	55
72	78	72	77	76	77	74	85	53
74	80	72	77	77	84	73	98	53
75	81	71	79	83	91	77	97	52
75	79	75	79	81	88	75	86	53
73	77	75	76	79	79	74	83	56
71	80	71	75	79	86	75	91	55
*	*	*	*	*	*	*	*	54
73	79	73	79	80	87	75	82	53
71	76	70	77	79	80	75	76	56
71	77	71	75	77	84	77	88	52
73	82	76	78	81	90	75	104	52
73	79	74	79	81	87	77	89	*
70	75	73	76	79	79	77	71	55
71	75	75	75	78	83	76	86	53
73	80	73	76	77	85	75	101	53
73	81	75	77	81	91	75	93	53
73	76	75	77	77	84	78	79	56
73	77	71	75	77	79	74	84	57
73	79	77	76	81	89	76	94	55
73	80	71	77	81	87	78	87	56
72	75	69	77	79	80	78	73	56
72	78	73	74	75	80	75	87	56
73	79	78	77	81	87	77	93	56
73	79	75	76	81	89	78	89	56
73	75	73	75	77	79	77	82	56
73	77	74	74	80	85	77	84	59
73	83	78	77	82	88	77	99	58
73	81	75	77	82	86	77	93	56
73	76	73	75	76	80	75	77	56
71	75	70	74	76	83	78	81	57
73	79	71	75	80	87	77	93	56
75	82	74	77	82	86	76	93	*
75	77	73	76	76	84	75	73	56
74	77	73	74	81	79	77	86	55
72	79	75	73	82	87	77	95	54
71	78	73	74	76	86	76	81	55
71	75	*	*	*	*	*	*	*
73	79	69	7.	8.	82	77	93	54
75	80	76	73	80	92	75	96	55
71	78	74	72	74	83	77	79	54
71	78	73	71	78	85	76	35	53
*	79	73	73	83	87	77	103	52
74	81	73	75	80	87	77	85	53
74	75	77	74	77	81	79	75	53
73	77	73	73	81	81	77	89	52
74	82	73	73	79	88	81	103	51
75	82	75	77	79	91	79	98	53
74	78	*	*	*	*	*	*	*
73	78	73	73	77	85	77	84	52

CN	3-12 DIST. DUCT OUTLET STA46C -47^LS DEG.F	3-13 PILOTS HEAD LEVEL TEMP DEG.F	3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3 CO- H LE T DE
191	66	70	73	82	73	
192	67	77	75	81	73	
193	64	73	73	78	79	
194	63	73	74	81	76	
195	66	71	75	83	81	
196	69	74	77	81	73	
197	69	74	74	76	73	
198	65	69	75	82	76	
199	66	75	76	81	77	
200	70	75	77	83	75	
201	67	73	76	80	77	
202	64	71	77	83	82	
203	71	75	76	83	86	
204	69	75	75	81	78	
205	69	77	75	84	75	
206	73	80	77	87	77	
207	70	81	78	*	*	
208	73	74	77	81	73	
209	71	77	75	83	77	
210	71	79	77	82	75	
211	73	77	79	88	80	
212	72	79	78	81	83	
213	71	75	75	83	77	
214	73	78	78	85	85	
215	77	77	80	87	75	
216	75	81	78	88	78	
217	74	81	80	86	76	
218	75	77	80	84	81	
219	74	76	80	83	79	
220	*	80	79	81	78	
221	73	76	77	84	77	
222	77	77	82	90	86	
223	75	77	80	84	82	
224	74	75	78	83	79	
225	77	83	79	86	82	
226	78	77	81	87	79	
227	74	81	79	82	77	
228	*	*	*	*	*	
229	75	86	78	83	80	
230	72	77	79	86	83	
231	73	78	77	87	76	
232	76	81	79	87	8*	
233	75	83	79	86	80	
234	70	81	79	82	79	
235	69	81	79	83	86	
236	*	*	79	89	80	
237	70	77	79	83	84	
238	72	78	75	81	76	
239	67	76	73	91	78	
240	71	71	69	79	73	

3-14 LOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F	3-18 CO-PLT WAIST LEVEL TEMP DEG.F	3-19 CO-PLT FOOT LEVEL TEMP DEG.F	3-20 CO-PLT FLOOR MASS TEMP DEG.F	3-21 CARGO AREA FWD HEAD LEVEL DEG.F	3-23 CARGO AREA FWD FOOT LEVEL DEG.F
73	82	73	77	81	84	80	95	53
75	81	73	77	82	90	77	89	53
73	78	79	75	77	[illegible]	76	78	52
74	81	76	73	79	83	79	94	52
75	83	81	75	82	91	77	*	*
77	81	73	77	82	89	79	94	49
76	76	73	75	75	84	80	87	47
75	82	76	76	78	86	79	94	49
76	81	77	77	83	86	79	106	49
77	83	75	77	85	88	78	94	49
76	80	77	77	81	88	80	*	*
77	83	82	79	84	87	77	102	51
76	83	86	76	81	89	77	87	51
75	81	78	76	79	84	77	86	50
75	84	75	79	83	89	80	95	49
77	87	77	85	87	95	77	105	47
78	*	*	*	*	*	*	*	50
77	81	73	81	81	87	77	86	52
75	83	77	77	[illegible]	84	81	85	50
77	82	75	83	85	89	77	99	49
79	88	80	83	85	91	79	102	49
78	81	83	82	86	89	82	84	51
75	83	77	79	83	84	81	88	49
78	85	85	81	86	91	80	103	*
80	87	75	82	84	95	79	104	48
78	88	78	83	83	94	80	89	49
80	86	76	84	91	95	81	92	49
80	84	81	81	88	93	79	105	52
80	83	79	80	86	87	80	87	49
79	83	78	80	82	89	83	86	48
77	84	77	83	84	91	82	*	*
82	90	86	81	85	93	82	99	47
80	84	82	83	84	91	83	84	47
78	83	79	80	83	91	84	87	47
79	86	82	83	83	90	83	95	48
81	87	79	83	84	96	80	99	49
79	82	77	84	87	93	80	93	49
*	*	*	*	*	*	85	102	47
78	83	80	83	83	89	85	86	51
79	86	83	83	84	87	80	89	49
77	87	76	80	81	91	82	93	49
79	87	81	84	86	97	83	103	49
79	86	80	82	82	91	83	83	47
79	82	79	81	82	86	83	84	47
79	83	86	77	81	91	81	95	48
79	89	80	80	84	90	84	91	49
79	83	84	77	82	*	*	*	*
75	81	76	75	75	84	81	83	42
73	81	78	77	78	82	83	80	42
68	79	73	74	74	77	80	77	37

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CN	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.F	3-13 PILOTS HEAD LEVEL TEMP DEG.F	3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F
241	69	70	65	77	71	73
242	65	67	63	75	71	69
243	62	71	60	74	71	68
244	60	71	59	73	71	67
245	58	65	59	71	69	66
246	55	67	58	71	69	62
247	53	69	58	*	*	*
248	52	63	58	68	66	62
249	51	63	56	67	66	61
250	50	61	56	67	64	61
251	49	61	55	66	63	61
252	47	60	55	63	63	60

3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F	3-18 CO-PLT WAIST LEVEL TEMP DEG.F	3-19 CO-PLT FOOT LEVEL TEMP DEG.F	3-20 CO-PLT FLOOR MASS TEMP DEG.F	3-21 CARGO AREA FWD HEAD LEVEL DEG.F	3-23 CARGO AREA FWD FOOT LEVEL DEG.F
65	77	71	73	73	73	79	74	33
63	75	71	69	70	71	77	71	31
60	74	71	68	69	66	79	69	30
59	73	71	67	68	66	77	67	27
59	71	69	66	66	66	75	66	26
58	71	69	62	66	61	75	64	27
58	*	*	*	*	*	*	*	24
56	68	66	62	63	58	73	60	24
56	67	66	61	61	57	74	60	22
56	67	64	61	63	54	73	61	22
55	66	63	61	60	50	73	60	3
55	63	63	60	58	45	72	59	-2

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
13 MAY 70
-45 DEG.F. RUN NO. 15
TAPE 086 1 FILE

CN	3-24 CARGO AREA FWD FLOOR LEVEL DEG.F	3-25 CARGO AREA AFT HEAD LEVEL DEG.F	3-26 CARGO AREA AFT WAIST LEVEL DEG.F	3-27 CARGO AREA AFT FOOT LEVEL DEG.F	3-28 CARGO AREA AFT FLOOR LEVEL DEG.F
1	-47	-43	-46	-46	-46
2	-47	-43	-45	-46	-46
3	-47	-43	-45	-46	-46
4	-48	-43	-45	-46	-47
5	-47	-43	-44	-46	-46
6	-47	-43	-45	-46	-46
7	-48	-43	-45	-46	-46
8	-48	-43	-45	-46	-47
9	-47	-44	-45	-46	-46
10	-47	-43	-43	-46	-46
11	-47	-42	-43	-44	-46
12	-46	-42	-44	-45	-46
13	-49	-43	-44	-47	-47
14	-49	-43	-45	-46	-46
15	-49	-43	-44	-45	-46
16	-48	-37	-39	-43	-46
17	-46	-20	-22	-41	-47
18	-46	-2	-8	-40	-45
19	-47	13	3	-28	-46
20	-46	26	12	-20	-45
21	-46	35	20	-12	-46
22	-44	47	27	-11	-44
23	-43	51	31	-7	-45
24	-44	54	37	-3	-43
25	-43	59	40	0	-43
26	-43	62	44	4	-43
27	-44	64	47	8	-43
28	-43	67	47	13	-43
29	-42	67	49	16	-43
30	-43	71	52	14	-40
31	-41	73	56	19	-41
32	-42	73	56	19	-40
33	-40	73	57	21	-40
34	-40	73	59	24	-40
35	-40	77	*	*	*
36	-39	77	60	27	-40
37	-40	77	63	27	-38
38	*	*	*	30	-37
39	-37	82	65	32	-37
41	-36	84	66	35	-37

CN	3-24 CARGO AREA FWD FLOOR LEVEL DEG.F	3-25 CARGO AREA AFT HEAD LEVEL DEG.F	3-26 CARGO AREA AFT WAIST LEVEL DEG.F	3-27 CARGO AREA AFT FOOT LEVEL DEG.F	3-28 CARGO AREA AFT FLOOR LEVEL DEG.F
41	-36	85	66	34	-34
42	-36	84	67	36	-34
43	-34	89	69	37	-34
44	-34	89	73	37	-33
45	-34	88	71	41	-32
46	-32	88	71	45	-31
47	-31	90	75	42	-31
48	-31	90	75	42	-30
49	-31	91	76	45	-30
50	-30	93	76	43	-29
51	*	*	76	45	-27
52	-29	93	76	47	-28
53	-30	93	77	49	-28
54	-27	93	78	50	-28
55	-26	95	80	48	-26
56	-28	97	81	51	-25
57	-27	95	79	51	-25
58	-27	94	79	53	-25
59	-27	95	83	52	-23
60	-27	97	81	54	-23
61	-26	97	83	54	-22
62	-24	99	85	55	-22
63	-24	99	84	58	-22
64	-24	99	83	57	-21
65	-22	100	85	56	-19
66	-21	100	86	57	-18
67	-20	99	86	59	-18
68	*	*	*	*	*
69	-19	102	88	60	-17
70	-21	101	86	61	-16
71	-20	103	88	59	-15
72	-19	104	89	60	-15
73	-19	102	88	60	-13
74	-17	104	87	59	-14
75	*	*	*	*	-12
76	-18	103	89	61	-13
77	-16	103	89	65	-13
78	-15	104	89	64	-12
79	-15	103	90	66	-9
80	-14	103	89	65	-10
81	-15	100	87	65	-10
82	-14	94	83	64	-9
83	-13	93	82	63	-10
84	-13	93	83	60	-8
85	-13	97	85	60	-8
86	-11	95	*	*	*
87	-10	91	78	63	-7
88	-9	86	74	60	-6
89	-10	96	77	61	-5
90	-6	89	81	61	-6

CN	3-24 CARGO AREA FWD FLOOR LEVEL DEG.F	3-25 CARGO AREA AFT HEAD LEVEL DEG.F	3-26 CARGO AREA AFT WAIST LEVEL DEG.F	3-27 CARGO AREA AFT FOOT LEVEL DEG.F	3-28 CARGO AREA AFT FLOOR LEVEL DEG.F
91	-9	93	81	61	-4
92	-7	87	78	62	-4
93	-6	85	73	63	-4
94	-6	83	73	60	-2
95	-5	79	69	58	-1
96	-4	77	70	58	-1
97	-4	80	71	59	-2
98	-3	81	73	58	-1
99	-3	78	68	58	-1
100	-2	77	67	57	1
101	*	*	*	*	1
102	-3	83	73	58	1
103	-2	83	73	57	0
104	-2	78	69	58	2
105	*	*	*	*	*
106	0	76	67	56	3
107	-2	81	72	56	3
108	1	81	72	57	3
109	*	*	*	*	*
110	2	75	67	56	5
111	2	78	69	55	3
112	3	81	71	56	4
113	*	*	70	58	5
114	3	75	67	56	6
115	3	77	68	56	7
116	3	75	68	56	7
117	5	73	65	55	8
118	5	75	66	55	8
119	6	79	69	53	9
120	6	77	67	55	8
121	7	75	65	54	8
122	8	71	64	53	8
123	5	75	68	53	8
124	8	77	67	55	8
125	8	73	66	53	9
126	8	73	65	54	10
127	9	77	67	53	10
128	8	78	68	55	10
129	8	73	64	53	10
130	*	*	*	*	*
131	10	73	65	54	11
132	10	75	67	54	12
133	10	73	63	55	12
134	10	71	63	53	12
135	10	73	66	54	13
136	10	77	67	56	11
137	12	74	66	54	11
138	12	72	63	53	13
139	*	*	*	*	*
140	16	77	69	54	14

CN	3-24 CARGO AREA FWD FLOOR LEVEL DEG.F	3-25 CARGO AREA AFT HEAD LEVEL DEG.F	3-26 CARGO AREA AFT WAIST LEVEL DEG.F	3-27 CARGO AREA AFT FOOT LEVEL DEG.F	3-28 CARGO AREA AFT FLOOR LEVEL DEG.F
141	14	75	66	55	13
142	13	70	63	53	16
143	13	70	64	54	15
144	12	75	67	54	14
145	14	77	68	54	14
146	12	73	64	52	15
147	13	71	63	51	15
148	12	73	64	51	14
149	14	74	64	52	14
150	14	70	62	52	16
151	12	69	62	51	16
152	15	73	65	52	15
153	*	*	*	*	*
154	15	70	63	51	15
155	15	68	60	49	17
156	17	71	63	52	17
157	17	75	66	52	15
158	17	72	*	*	*
159	17	70	62	53	17
160	17	71	63	51	17
161	17	74	65	53	18
162	17	71	61	53	17
163	17	67	60	*	*
164	18	69	62	53	19
165	19	73	65	52	17
166	20	71	64	52	17
167	19	69	62	51	17
168	19	71	*	*	*
169	19	74	66	54	18
170	20	73	63	52	19
171	19	67	60	49	17
172	19	69	62	50	18
173	*	*	*	*	*
174	19	69	62	50	15
175	19	67	59	45	16
176	19	70	63	46	16
177	19	69	62	47	15
178	*	66	58	44	15
179	18	68	59	44	14
180	19	71	63	42	15
181	19	69	60	42	13
182	19	67	59	42	16
183	17	69	61	42	15
184	19	72	63	44	16
185	20	69	60	45	14
186	19	67	58	43	14
187	19	69	60	42	14
188	19	74	64	42	14
189	*	71	60	44	14
190	19	68	58	43	13

CN	3-24 CARGO AREA FWD FLOOR LEVEL DEG.F	3-25 CARGO AREA AFT HEAD LEVEL DEG.F	3-26 CARGO AREA AFT WAIST LEVEL DEG.F	3-27 CARGO AREA AFT FOOT LEVEL DEG.F	3-28 CARGO AREA AFT FLOOR LEVEL DEG.F
191	19	69	59	42	14
192	20	71	62	41	13
193	20	67	58	43	12
194	19	67	58	41	12
195	*	*	*	*	*
196	18	73	63	40	13
197	18	73	62	40	10
198	20	70	63	41	11
199	17	73	63	41	11
200	18	77	63	41	11
201	*	*	*	*	*
202	17	73	63	43	12
203	19	73	65	42	10
204	18	71	64	42	11
205	19	74	66	44	12
206	19	77	69	42	10
207	18	79	71	42	11
208	21	77	68	44	10
209	19	73	67	42	11
210	20	74	67	42	12
211	19	76	69	42	8
212	21	76	67	42	9
213	19	74	66	43	10
214	*	*	*	*	*
215	19	77	71	45	8
216	19	78	70	46	10
217	20	77	69	45	8
218	20	77	71	44	10
219	19	78	69	45	8
220	19	73	67	43	7
221	*	*	*	*	*
222	20	79	69	45	10
223	19	79	69	46	7
224	21	76	68	46	8
225	21	77	67	47	5
226	21	79	69	46	8
227	22	77	69	47	8
228	21	78	71	47	7
229	19	78	*	*	*
230	20	75	67	46	7
231	22	75	68	47	7
232	21	77	70	49	7
233	21	78	69	47	8
234	21	75	65	47	6
235	23	73	64	46	8
236	21	75	67	45	8
237	*	*	*	*	9
238	19	72	63	40	8
239	19	69	59	37	8
240	17	65	53	33	6

CN	3-24 CARGO AREA FWD FLOOR LEVEL DEG.F	3-25 CARGO AREA AFT HEAD LEVEL DEG.F	3-26 CARGO AREA AFT WAIST LEVEL DEG.F	3-27 CARGO AREA AFT FOOT LEVEL DEG.F	3-28 CARGO AREA AFT FLOOR LEVEL DEG.F
241	17	61	51	31	5
242	15	56	47	27	6
243	17	54	45	26	8
244	16	51	42	24	7
245	16	49	39	23	6
246	16	47	37	21	8
247	16	43	35	21	6
248	14	42	33	*	*
249	14	40	33	19	5
250	14	38	33	19	6
251	12	37	30	17	5
252	10	35	26	14	6

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
13 MAY 70
-45 DEG.F. RUN NO. 15
TAPE 086 1 FILE

CN	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4- CO- WNDS INS SURI TI DE
1	0	6	-43	-
2	0	26	-43	-
3	0	45	-43	-
4	1	5	-44	-
5	1	25	-44	-
6	1	45	-43	-
7	2	5	-44	-
8	2	24	-44	-
9	2	44	-43	-
10	3	4	-43	-
11	3	23	-43	-
12	3	43	-41	-
13	4	3	-44	-
14	4	23	-43	-
15	4	42	-44	-
16	5	2	-41	-
17	5	22	-40	-
18	5	42	-37	-
19	6	1	-36	-
20	6	21	-34	-
21	6	41	-30	-
22	7	1	-30	-
23	7	20	-25	-
24	7	40	-25	-
25	8	0	-25	-
26	8	19	-23	-
27	8	39	-20	-
28	8	59	-21	-
29	9	18	-20	-
30		38	-18	
31	9	58	-15	
32	10	18	*	
33	10	37	-13	
34	10	57	-13	
35	*	*	*	
36	11	36	-11	
37	11	56	-10	
38	12	16	-8	
39	12	35	-7	
40	12	55	-5	

03 ME C.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
5	-43	-42	-45	-40	-46	-47	-44
8	-43	-42	-44	-40	-46	-47	-45
5	-43	-43	-45	-40	-46	-47	-46
5	-44	-43	-45	-42	-45	-48	-46
5	-44	-43	-45	-42	-46	-49	-46
5	-43	-43	-45	-42	-45	-49	-45
5	-44	-43	-45	-41	-45	-48	-46
4	-44	-43	-44	-40	-46	-49	-47
4	-43	-42	-45	-42	-46	-49	-46
4	-43	-43	-45	-41	-45	-49	-46
3	-43	-42	-43	-41	-44	-47	-46
3	-41	-43	-45	-40	-44	-47	-46
3	-44	-41	-41	-43	-46	-49	-46
3	-43	-44	-43	-40	-46	-47	-46
2	-44	-43	-43	-40	-46	-49	-46
2	-41	-41	-41	-41	-46	-49	-46
2	-40	-40	-42	-37	-45	-47	-44
2	-37	-35	-46	-36	-46	-49	-45
1	-36	-34	-46	-33	-44	-47	-46
1	-34	-33	-41	-32	-46	-47	-46
1	-30	-29	-40	-31	-45	-47	-46
1	-30	-20	-41	-24	-46	-47	-46
0	-25	-18	-36	-20	-43	-47	-45
0	-25	-16	-36	-15	-44	-47	-45
0	-25	-18	-40	-17	-44	-47	-45
9	-23	-18	-39	-16	-44	-47	-44
9	-20	-15	-32	-17	-43	-46	-43
9	-21	-13	-33	-16	-43	-46	-44
8	-20	-11	-30	-12	-43	-46	-44
8	-18	-8	-32	-11	-43	-47	-44
8	-15	-6	-29	-9	-43	-46	-43
8	*	*	*	*	*	*	*
7	-13	-6	-30	-8	-42	-46	-42
7	-13	-6	-30	-4	-42	-45	-42
*	*	*	-34	-3	-41	-46	-45
6	-11	-4	-30	-1	-42	-45	-43
6	-10	-2	-27	-1	-41	-45	-42
6	-8	1	-28	0	-41	-46	-42
5	-7	3	-31	1	-40	-46	-42
5	-5	2	-24	4	-40	-44	-40

CN	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-0 CO-PL WNDSH INSID SURF TEM DEG.
41	13	15	-6	2
42	13	35	-6	3
43	13	54	-3	5
44	14	14	-2	8
45	14	34	-1	8
46	14	53	-1	8
47	15	13	1	12
48	*	*	*	*
49	15	52	4	11
50	16	12	4	14
51	16	32	5	14
52	16	51	5	17
53	17	11	7	18
54	17	31	7	19
55	17	50	10	19
56	18	10	9	21
57	18	30	10	22
58	*	*	*	*
59	19	9	11	24
60	19	29	12	25
61	19	48	12	24
62	20	8	14	23
63	20	28	15	24
64	20	47	17	31
65	21	7	16	31
66	21	27	21	41
67	21	46	17	31
68	22	6	24	31
69	22	26	22	31
70	22	45	26	42
71	23	5	31	41
72	23	25	38	51
73	23	44	46	61
74	24	4	49	6
75	24	24	55	61
76	24	43	57	6
77	25	3	53	6
78	25	23	53	6
79	25	42	60	7
80	26	2	59	7
81	26	22	59	7
82	26	41	59	7
83	27	1	60	6
84	27	21	61	7
85	27	40	63	7
86	*	*	*	7
87	28	20	61	6
88	28	39	55	6
89	28	59	55	6
90	29	19	53	6

-03 IME EC.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
15	-6	2	-22	4	-40	-43	-40
35	-6	3	-28	5	-40	-44	-40
54	-3	5	-22	4	-40	-43	-40
14	-2	8	-23	7	-40	-43	-40
34	-1	8	-20	9	-38	-43	-40
53	-1	8	-24	12	-38	-41	-40
13	1	12	-18	12	-39	-42	-37
*	*	*	*	*	*	-41	-39
52	4	11	-16	14	-37	-41	-38
12	4	14	-15	14	-36	-40	-37
32	5	14	-16	19	-36	-41	-37
51	5	17	-14	18	-38	-40	-37
11	7	18	-13	17	-37	-40	-37
31	7	19	-12	18	-37	-40	-37
50	10	19	-11	20	-37	-40	-36
10	9	21	-17	23	-37	-39	-35
30	10	22	-16	22	-37	-40	-37
*	*	*	*	*	*	*	-35
9	11	24	-13	24	-37	-38	-35
29	12	25	-13	24	-35	-37	-34
48	12	24	-12	24	-35	-37	-34
8	14	27	-6	24	-35	-38	-34
28	15	26	-6	27	-36	-36	-32
47	17	30	-10	27	-35	-37	-32
7	16	31	-1	30	*	*	*
27	21	40	-3	31	-34	-35	-31
46	17	33	-2	26	-32	-36	-31
6	24	37	-1	31	-32	-33	-29
26	22	38	-3	41	-32	-32	-30
45	26	42	3	33	-32	-34	-29
5	31	49	-3	35	-31	-34	-29
25	38	53	-2	36	-31	-32	*
44	46	60	3	40	-31	-31	-30
4	49	65	5	40	-31	-32	-26
24	55	69	7	42	-30	-31	-28
43	57	68	8	42	-29	-31	-26
3	53	67	7	49	-29	-29	-26
23	53	67	9	48	-28	-29	-26
42	60	71	*	*	*	*	*
2	59	73	9	47	-28	-30	-29
22	59	70	6	47	-26	-28	-26
41	59	71	9	46	-28	-28	-25
1	60	69	10	48	-25	-28	-25
21	61	70	8	49	-25	-28	-24
40	63	71	11	50	-25	-27	-23
*	*	71	12	47	-25	-28	-24
20	61	68	17	47	-24	-26	-22
39	55	68	13	46	-25	-28	-23
59	55	69	13	48	-24	-26	-22
19	53	68	*	*	*	*	*

CN	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F
91	29	39	54	69
92	29	58	51	66
93	30	18	52	68
94	30	38	50	67
95	30	57	50	64
96	31	17	47	64
97	31	37	51	65
98	31	56	53	67
99	32	16	51	63
100	32	36	52	64
101	32	55	51	65
102	33	15	47	67
103	33	35	47	66
104	33	54	45	62
105	34	14	44	63
106	34	34	44	66
107	34	54	49	64
108	35	13	46	65
109	35	33	43	64
110	35	53	43	61
111	36	12	44	62
112	36	32	42	63
113	36	52	43	63
114	37	12	42	62
115	37	31	43	63
116	37	51	42	61
117	38	11	41	61
118	38	30	40	62
119	38	50	41	65
12?	39	10	39	64
121	39	29	40	62
122	39	49	40	62
123	40	9	42	63
124	40	28	40	62
125	40	48	40	63
126	*	*	*	*
127	41	27	39	66
129	41	47	40	64
129	42	7	39	63
130	42	26	37	61
131	42	46	40	63
132	43	6	40	63
133	43	25	44	61
134	43	45	69	64
135	44	5	80	68
136	44	25	77	68
137	44	44	69	64
138	45	4	75	67
139	45	24	83	70
140	45	43	83	73

TIME SEC.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
39	54	69	19	49	-24	-25	-20
58	51	66	15	51	-24	-24	-21
18	52	68	17	49	-22	-25	-20
38	50	67	19	49	-22	-24	-18
57	50	64	24	48	-22	-23	-18
17	47	64	17	50	-22	-23	-18
37	51	65	18	51	-22	-23	-18
56	53	67	17	49	-20	-23	-16
16	51	63	21	49	-20	-22	-16
36	52	64	20	49	-21	-22	-17
55	51	65	24	49	-20	-22	-16
15	47	67	24	51	-20	-22	-15
35	47	66	24	50	-20	-22	-16
54	45	62	23	51	-20	-21	-15
14	44	63	24	49	-20	-20	-14
34	44	66	31	49	-19	-22	-12
54	49	64	33	52	-19	-20	-13
13	46	65	33	50	-18	-20	-13
33	43	64	33	51	-18	-20	-13
53	43	61	31	51	-18	-18	-11
12	44	62	30	52	-18	-16	-11
32	42	63	26	55	-15	-13	-11
52	43	63	28	51	-11	-6	-10
12	42	62	28	51	-6	0	-11
31	43	63	28	52	-4	3	-11
51	42	61	28	53	-2	5	-13
11	41	61	28	51	0	7	-13
30	40	62	25	52	1	9	-15
50	41	65	31	52	1	9	-14
10	39	64	26	53	3	11	-15
29	40	62	31	51	8	11	-17
49	40	62	33	51	9	*	*
9	42	63	33	52	10	8	-15
28	40	62	29	53	9	4	-15
48	40	63	34	51	9	3	-15
*	*	*	*	*	*	*	-15
27	39	66	31	53	7	2	-13
47	40	64	34	53	7	1	-13
7	39	63	32	52	8	1	-12
26	37	61	31	53	5	1	-13
46	40	63	36	53	6	1	-11
6	40	63	36	54	6	0	-12
25	44	61	37	53	6	1	-11
45	69	64	45	54	5	-1	-11
5	80	68	50	*	*	*	*
25	77	68	50	58	5	1	-11
44	69	64	50	57	6	2	-11
4	75	67	55	56	5	1	-9
24	83	70	56	60	5	3	-10
43	83	73	62	59	6	3	-8

CN	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4 CO- WND INS SUR T DE
141	44	3	70	
142	46	23	75	
143	46	42	83	
144	*	*	*	
145	47	22	75	
146	47	41	74	
147	48	1	81	
148	48	21	83	
149	48	40	73	
150	49	0	73	
151	49	20	81	
152	49	39	88	
153	*	56	78	
154	50	19	69	
155	50	38	77	
156	50	58	87	
157	51	17	82	
158	*	*	*	
159	51	57	77	
160	52	16	83	
161	52	36	80	
162	52	56	69	
163	*	*	*	
164	53	35	85	
165	53	55	79	
166	54	14	73	
167	54	34	81	
168	*	*	*	
169	55	13	79	
170	55	33	73	
171	55	53	79	
172	56	12	86	
173	*	29	81	
174	56	51	75	
175	57	11	79	
176	57	31	86	
177	57	50	77	
178	58	10	79	
179	58	29	81	
180	58	49	86	
181	59	9	77	
182	59	28	83	
183	59	48	86	
184	*	*	*	
185	60	27	76	
186	60	47	79	
187	61	6	90	
188	61	26	86	
189	61	46	73	
190	62	5	82	

4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
70	66	55	59	6	1	-8
75	67	60	57	5	3	-8
83	71	63	59	5	3	-8
*	*	*	*	*	*	*
75	71	59	59	6	2	-8
74	67	64	59	5	3	-8
81	69	60	60	5	3	-8
83	73	59	62	5	4	-8
73	71	62	60	5	3	-7
73	67	59	59	5	3	-8
81	69	60	60	5	4	-8
88	73	67	60	6	4	-8
78	71	66	61	5	3	-8
69	66	59	61	6	3	-8
77	70	60	59	4	3	-7
87	73	67	62	6	5	-7
82	74	62	61	5	3	-7
*	71	62	60	6	3	-6
77	67	66	63	5	3	-4
83	74	63	60	5	4	-6
80	70	67	63	5	3	-4
69	67	61	61	5	3	-4
*	*	*	60	6	4	-3
85	73	63	62	5	4	-3
79	73	65	61	5	5	-4
73	67	67	63	5	3	-1
81	68	67	62	8	10	1
*	73	65	65	10	13	-3
79	73	66	62	13	17	-2
73	69	66	60	12	18	-2
79	67	68	63	15	24	-4
86	73	70	67	16	27	-6
81	73	66	65	14	29	-8
75	69	62	61	15	33	-12
79	72	69	66	15	36	-14
86	70	64	61	18	43	-16
77	69	67	59	20	43	-20
79	65	65	57	21	44	-20
81	74	65	60	21	-22	*
86	69	69	59	22	47	-24
77	66	65	61	23	48	-23
83	68	63	60	22	53	-25
86	74	71	59	24	58	-27
*	*	*	*	*	59	-26
76	65	65	61	25	59	-26
79	71	71	60	26	60	-26
90	71	71	62	26	64	-26
86	71	66	59	27	66	-26
73	67	73	63	28	67	-27
82	71	66	60	28	*	*

2

CN	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-0 CO-PL WNDSH INSID SURF TEM DEG.
191	62	25	85	7
192	62	44	81	7
193	63	4	74	7
194	63	24	86	6
195	63	43	93	7
196	64	3	83	7
197	64	22	83	6
198	64	42	83	7
199	65	2	90	8
200	65	21	87	7
201	65	41	87	8
202	66	0	89	8
203	66	20	86	9
204	50	0	87	8
205	66	59	87	10
206	67	19	96	9
207	67	38	89	10
208	67	58	87	
209	68	18	86	9
210	68	37	90	9
211	68	57	99	9
212	69	16	83	9
213	69	36	87	9
214	69	56	99	9
215	70	15	100	10
216	70	35	87	9
217	70	55	95	10
218	71	14	93	9
219	71	34	87	9
220	71	53	94	9
221	72	13	101	8
222	72	33	96	10
223	72	52	93	9
224	73	12	91	10
225	73	32	100	9
226	73	51	93	9
227	74	11	91	9
228	74	31	93	9
229	*	*	*	8
230	75	10	88	9
231	75	30	99	9
232	75	50	99	9
233	76	9	88	9
234	76	29	91	9
235	76	49	95	9
236	77	8	94	10
237	77	28	86	9
238	77	48	*	
239	78	9	95	
240	78	28	94	9

03 ME C.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
25	85	75	71	64	30	67	-26
4	81	71	68	65	31	69	-28
4	74	79	69	73	31	67	-28
4	86	64	70	45	33	68	-24
3	93	76	68	56	32	69	-25
3	83	75	71	60	36	71	-25
2	83	67	74	71	39	71	-25
2	83	77	74	63	38	71	-25
2	90	83	77	66	38	73	-25
1	87	77	78	73	40	73	-25
1	87	87	73	59	40	72	-23
0	89	89	75	59	40	74	-24
0	86	93	79	58	39	73	-25
0	87	86	75	61	39	73	-25
9	87	105	77	63	38	69	-27
9	96	99	80	61	35	68	-28
8	89	104	79	53	33	64	-25
8	87	*	*	*	*	*	*
8	86	97	80	64	31	61	-28
7	90	99	83	76	35	65	-28
7	99	92	87	69	33	62	-28
6	83	93	87	67	33	65	-20
6	87	96	87	74	32	63	-25
6	99	91	89	59	31	64	-25
5	100	100	84	53	31	66	-23
5	87	95	89	72	29	67	-25
5	95	102	83	65	31	67	-26
4	93	99	87	77	31	65	-25
4	87	95	86	66	31	66	-24
3	94	96	83	57	31	66	-24
3	101	87	87	76	31	67	-25
3	96	101	81	61	*	*	*
2	93	96	83	58	33	69	-20
2	91	102	80	57	35	67	-19
2	100	95	85	65	33	68	-21
1	93	99	85	75	33	69	-20
1	91	95	78	60	33	69	-20
1	93	99	82	73	35	70	-18
*	*	84	85	69	36	70	-17
0	88	97	81	65	39	67	-18
0	99	93	79	75	41	69	-16
0	99	95	83	66	40	70	-18
9	88	95	87	63	40	69	-15
9	91	93	86	62	40	73	-15
9	95	99	88	65	39	73	-14
8	94	100	86	69	41	75	-13
8	86	93	90	66	43	77	-12
8	*	*	*	*	*	*	*
9	95	*	*	*	*	*	*
8	94	91	87	55	46	82	-11

CN	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F
241	78	48	93	89
242	79	8	86	93
243	79	28	85	93
244	79	47	89	86
245	80	7	89	83
246	80	27	85	82
247	80	47	82	83
248	*	*	*	*
249	81	26	79	79
250	81	46	77	78
251	82	5	75	77
252	82	25	74	76

3 E	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
	93	89	89	53	48	81	-11
	86	93	87	59	49	81	-9
	85	93	89	56	52	82	-10
	89	86	89	51	53	83	-11
	89	83	86	49	54	86	-6
	85	82	85	51	56	86	-7
	82	83	81	49	57	84	-7
	*	*	79	48	59	78	-8
	79	79	77	47	58	74	*
	77	78	76	46	58	71	-7
	75	77	75	44	58	69	-7
	74	76	73	44	60	68	-5

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
13 MAY 70
-45 DEG.F. RUN NO. 15
TAPE 086 1 FILE

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F
0	-47	*	-45	-47	-47	-47
1	-48		-45	-45	-46	-47
2	-47		-45	-46	-46	-47
3	-47		-45	-46	-46	-47
4	-49		-46	-47	-46	-47
5	-47		-46	-46	-46	-48
6	-48		-44	-47	-47	-47
7	-47		-46	-47	-47	-47
8	-49		-45	-47	-46	-46
9	-49		-45	-46	-46	-46
10	-49		-46	-47	-47	-47
11	-48		-45	-46	-46	-46
12	-37		-43	-45	-45	-47
13	-28		-32	-47	-46	-47
14	-22		-27	-48	-44	-46
15	-20		-11	-47	-46	-47
16	-16		-4	-47	-43	-47
17	-15		3	-47	-45	-47
18	-13		12	-47	-44	-46
19	-10		19	-46	-41	-45
20	4		30	-45	-40	-42
21	3		31	-47	-40	-17
22	14		38	-45	-40	-7
23	12		40	-46	-38	-2
24	11		46	-45	-37	4
25	13		49	-45	-37	7
26	19		53	-45	-35	*
27	29		58	-44	-34	11
28	35		60	-46	-32	12
29	*		*	*	*	*
30	47		67	-44	-32	16
31	51		69	-44	-30	18
32	*		73	-43	-30	18
33	56		76	-45	-28	21
34	60		78	-43	-28	23
35	61		80	-42	-26	24
36	63		82	-42	-25	27
37	67		85	-42	-23	29
38	68		88	-41	-22	31
39	69		89	-42	-21	33
40	73		91	-40	-21	34

-14 AGE YD. AFT SVO YL. .F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
5	-47	-47	-47	-48	-46	-45	-45	-47
5	-45	-46	-47	-49	-47	-46	-46	-47
5	-46	-46	-47	-47	-47	-46	-45	-47
5	-46	-46	-47	-47	-47	-46	-46	-47
6	-47	-46	-47	-49	-47	-46	-45	-49
6	-46	-46	-48	-48	-45	-46	-46	-47
4	-47	-47	-47	-49	-49	-46	-45	-48
6	-47	-47	-47	-49	-49	-46	-46	-47
5	-47	-46	-46	-48	-47	-46	-46	-47
5	-46	-46	-48	-49	-47	-46	-46	-48
6	-47	-47	-47	-49	-48	-45	-45	-48
5	-46	-46	-46	-47	-47	-44	-45	-49
3	-45	-45	-47	-34	-49	-46	-45	-47
2	-47	-46	-47	-30	-49	-44	-46	-49
7	-48	-44	-46	-25	-47	-47	-46	-48
1	-47	-46	-47	-22	-46	-46	-45	-47
4	-47	-43	-47	-19	-49	-46	-46	-47
3	-47	-45	-47	-16	-47	-45	-46	-47
2	-47	-44	-46	-14	-47	-45	-45	-46
9	-46	-41	-45	-13	-49	-46	-46	-47
0	-45	-40	-42	-11	-47	-45	-46	-46
1	-47	-40	-17	-10	-47	-45	-44	-45
8	-45	-40	-7	-4	-47	-46	-46	-44
0	-46	-38	-2	-4	-47	-44	-45	*
6	-45	-37	4	-1	-46	-46	-46	-44
9	-45	-37	7	4	-46	-46	-44	-43
3	-45	-35	*	*	*	*	*	*
8	-44	-34	11	12	-46	-45	-43	-40
0	-46	-32	12	14	-46	-45	-44	-40
*	*	*	*	*	*	*	-44	-38
7	-44	-32	16	23	-44	-46	-45	-38
9	-44	-30	18	26	-45	-44	-44	-35
3	-43	-30	18	27	-43	-44	-44	-35
5	-45	-28	21	31	-43	-45	-43	-34
8	-43	-28	23	32	-43	-45	-45	-32
0	-42	-26	24	34	-43	-46	-46	-31
2	-42	-25	27	36	-43	-43	-44	-31
5	-42	-22	29	39	-43	-45	-42	-28
8	-41	-22	31	41	-41	-46	-44	-26
9	-42	-21	33	42	-41	-47	-45	-26
A	-40	-21	34	40	-39	-44	-44	-6

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F
41	73	*	93	-40	-19	43
42	73		95	-39	-18	44
43	77		97	-40	-18	44
44	79		97	-38	-16	43
45	80		*	*	*	*
46	83		101	-37	-13	49
47	84		104	-37	-12	55
48	86		104	-36	-13	64
49	87		105	-36	-9	67
50	90		106	-32	-10	69
51	91		109	-34	-8	69
52	91		109	-34	-8	75
53	93		109	-32	-6	81
54	93		112	-34	-4	83
55	83		103	-32	-4	*
56	85		103	-31	-3	83
57	86		103	-31	-2	83
58	87		102	-31	-2	82
59	90		106	-31	0	81
60	93		107	-30	1	82
61	97		111	-28	3	86
62	98		111	-28	3	89
63	100		113	-28	4	89
64	102		115	-28	6	90
65	*		*	*	*	*
66	105		118	-25	7	89
67	106		120	-25	8	89
68	106		121	-24	8	88
69	108		123	-23	10	88
70	110		123	-22	12	87
71	111		125	-22	12	87
72	*		*	*	*	*
73	113		128	-21	14	87
74	114		128	-20	15	91
75	115		129	-21	14	93
76	116		131	-18	16	94
77	116		131	-18	15	95
78	118		131	-18	17	95
79	*		*	*	*	93
80	121		134	-17	19	93
81	121		135	-16	19	93
82	123		135	-15	20	93
83	121		136	-15	21	92
84	123		136	-15	21	91
85	125		136	-15	23	91
86	115		134	-13	22	91
87	113		128	-11	24	90
88	115		130	-11	24	90
89	119		131	-12	24	89
90	*		*	*	25	89

4-14 TAGE HYD. AFT ERVO CYL. EG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
93	-40	-19	43	44	-40	-46	-44	-13
95	-39	-18	44	46	-39	-46	-45	-19
97	-40	-18	44	49	-39	-45	-44	-19
97	-38	-16	43	51	-38	-44	-44	3
*	*	*	*	*	*	*	*	-11
101	-37	-13	49	56	-38	-44	-41	7
104	-37	-12	55	56	-37	-45	-43	17
104	-36	-13	64	59	-37	-45	-43	21
105	-36	-9	67	65	-36	-44	-41	5
106	-32	-10	69	65	-35	-43	-42	3
109	-34	-8	69	75	-36	-44	-42	20
109	-34	-8	75	71	-34	-44	-43	29
109	-32	-6	81	77	-32	-44	-43	28
112	-34	-4	83	77	-34	-44	-41	17
103	-32	-4	*	*	*	*	*	*
103	-31	-3	83	84	-31	-43	-40	16
103	-31	-2	83	86	-29	-43	-40	17
102	-31	-2	82	88	-31	-43	-37	19
106	-31	0	81	91	-30	-43	-40	23
107	-30	1	82	89	-28	-44	-40	42
111	-28	3	86	89	-29	-43	-39	49
111	-28	3	89	89	-28	-44	-37	34
113	-28	4	89	91	-27	-42	-37	31
115	-28	6	90	94	-27	-43	-34	31
*	*	*	*	*	-27	-43	-37	31
118	-25	7	89	97	-25	-41	-34	31
120	-25	8	89	98	-25	-43	-34	32
121	-24	8	88	99	-23	-42	-34	32
123	-23	10	88	98	-25	-41	-32	32
123	-22	12	87	99	-22	-42	-32	33
125	-22	12	87	101	-22	-41	-32	34
*	*	*	*	*	*	-41	-32	36
128	-21	14	87	98	-21	-43	-31	54
128	-20	15	91	99	-20	-40	-32	51
129	-21	14	93	98	-20	-40	-29	44
131	-18	16	94	100	-18	-43	-31	42
131	-18	15	95	102	-18	-41	-32	41
131	-18	17	95	104	-18	-41	-32	44
*	*	*	93	104	-17	-42	-31	44
134	-17	19	93	105	-17	-41	-30	44
135	-16	19	93	106	-17	-42	-30	46
135	-15	20	93	106	-17	-40	-30	47
136	-15	21	92	107	-15	-41	-31	47
136	-15	21	91	107	-15	-42	-28	47
136	-15	23	91	107	-14	-40	-28	49
134	-13	22	91	107	-13	-41	-29	48
128	-11	24	90	107	-12	-41	-28	49
130	-11	24	90	106	-12	-41	-25	49
131	-12	24	89	106	-11	-40	-25	50
*	*	25	89	106	-12	-41	-25	51

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F
91	123	*	135	-11	25	88
92	124		136	-9	26	88
93	126		136	-8	26	88
94	127		137	*	*	*
95	127		141	-7	27	89
96	111		125	12	46	88
97	107		121	26	55	87
98	102		119	26	60	85
99	97		118	32	63	84
100	94		115	42	71	84
101	93		113	50	73	84
102	92		111	58	76	84
103	93		109	66	79	84
104	90		109	67	79	85
105	91		108	73	81	83
106	90		107	77	83	83
107	91		109	81	83	83
108	90		107	83	86	81
109	90		107	85	85	86
110	91		109	89	87	88
111	89		108	91	87	88
112	91		107	91	87	89
113	90		106	94	87	89
114	90		105	95	87	89
115	90		106	97	87	89
116	89		104	97	87	88
117	90		103	98	89	88
118	89		104	97	*	*
119	90		102	99	88	88
120	90		103	99	89	88
121	91		103	100	89	88
122	*		*	*	*	*
123	91		108	101	88	86
124	93		108	103	90	86
125	94		109	101	88	85
126	95		108	103	91	86
127	96		110	104	91	86
128	97		111	105	91	85
129	98		111	106	93	85
130	99		112	106	91	85
131	99		115	107	92	84
132	99		115	107	93	84
133	101		115	109	93	84
134	101		115	110	94	84
135	*		*	*	*	85
136	103		117	111	95	84
137	103		117	111	95	84
138	105		119	113	96	85
139	105		119	113	96	85
140	106		120	115	101	85

4-14 AGE TD. FT VD VL. .F	4-15 2STAGE AFCS (CCLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
5	-11	25	88	106	-10	-42	-24	51
6	-9	26	88	106	-9	-41	-24	53
6	-8	26	88	106	-9	-41	-24	52
7	*	*	*	*	*	*	*	*
1	-7	27	89	107	-8	-39	-20	54
5	12	46	88	109	-7	-40	1	55
1	26	55	87	107	-8	-40	6	54
9	26	60	85	104	-6	-39	*	*
8	32	63	84	104	-6	-38	-6	56
5	42	71	84	105	-5	-40	-6	56
3	50	73	84	104	-4	-40	-5	56
2	58	76	84	104	-3	-39	1	56
9	66	79	84	103	-2	-39	-4	58
9	67	79	85	104	-2	-37	-4	56
8	73	81	83	102	-2	-38	-4	56
7	77	83	83	103	1	-38	-4	58
9	81	83	83	103	1	-37	-4	59
7	83	86	81	99	2	-37	-5	66
7	85	85	86	97	3	-37	-4	69
9	69	87	88	98	3	-38	-4	61
8	91	87	88	100	5	-37	-6	59
7	91	87	89	102	5	-37	-5	60
6	94	87	89	103	5	-37	-5	60
5	95	87	89	103	8	-8	*	*
6	97	87	89	103	8	-37	-6	57
4	97	87	88	105	7	-34	-8	56
3	98	89	88	106	10	-34	-7	55
4	97	*	*	*	*	*	*	*
2	99	88	88	105	12	-34	-8	55
3	99	89	88	104	11	-31	-10	54
3	100	89	88	103	13	-32	-11	54
*	*	*	*	*	*	-31	-11	55
8	101	88	86	103	12	-31	-9	56
8	103	90	86	105	13	-32	-11	54
9	101	88	85	104	15	-30	-11	55
8	103	91	86	104	15	-29	-11	55
0	104	91	86	105	16	-29	-9	55
1	105	91	85	105	17	-30	-9	56
1	106	93	85	104	18	-29	-9	56
2	106	91	85	103	17	-30	-9	55
3	107	92	84	103	18	-31	-10	*
5	107	93	84	103	19	-31	-10	56
5	109	93	84	105	19	-30	-8	55
5	110	94	84	105	19	-30	-7	56
*	*	*	85	103	19	-29	-6	56
7	111	95	84	103	20	-31	-7	56
7	111	95	84	104	21	-29	-4	55
8	113	96	85	103	22	-28	-4	56
9	113	96	85	104	24	-28	-4	56
0	115	101	85	104	24	-28	-4	*

2

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F
141	107	*	118	115	99	85
142	108		120	115	99	84
143	108		121	117	99	84
144	*		121	116	99	84
145	110		122	117	99	84
146	111		123	119	100	84
147	111		122	118	100	84
148	113		123	119	100	84
149	33		*	*	*	*
150	114		124	122	102	84
151	115		125	119	103	85
152	113		126	122	101	84
153	114		126	121	104	84
154	117		126	123	103	84
155	116		127	123	103	85
156	116		128	124	103	84
157	117		128	125	105	84
158	119		128	127	105	84
159	117		129	126	107	84
160	119		129	126	106	84
161	119		131	127	106	85
162	121		131	127	109	84
163	120		131	128	109	86
164	122		131	128	109	85
165	122		131	129	109	85
166	120		133	129	109	83
167	122		133	130	110	84
168	121		134	131	113	85
169	122		129	127	108	86
170	121		131	129	109	85
171	119		130	131	109	84
172	119		126	129	109	83
173	117		119	126	103	82
174	113		116	127	104	79
175	111		112	125	107	79
176	109		109	122	100	79
177	107		109	119	97	78
178	104		107	117	99	77
179	*		*	*	*	*
180	101		103	114	95	82
181	99		101	113	95	81
182	99		99	111	97	81
183	99		101	110	92	82
184	99		99	107	86	80
185	97		97	107	86	77
186	95		99	107	89	77
187	95		98	105	87	76
188	95		97	104	85	75
189	95		95	102	87	75
190	*		*	*	*	*

4-14 STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
118	115	99	85	104	24	-28	-4	56
120	115	99	84	103	25	-28	-2	57
121	117	99	84	103	25	-25	-4	57
121	116	99	84	102	27	-29	-3	57
121	117	99	84	103	26	-29	-4	56
123	119	100	84	103	26	-25	0	57
122	118	100	84	103	26	-28	-2	57
123	119	100	84	103	26	-28	-2	57
*	*	*	*	*	*	*	*	*
124	122	102	84	102	28	-27	-2	57
125	119	103	85	103	28	-27	-1	56
126	122	101	84	103	30	-26	0	58
126	121	104	84	103	30	-25	-1	58
126	123	103	84	103	31	-28	2	*
127	123	103	85	101	31	-27	1	56
128	124	103	84	103	33	-26	1	58
128	125	105	84	102	32	-26	0	56
128	127	105	84	103	32	-25	3	59
129	126	107	84	103	33	-25	3	59
129	126	106	84	102	35	-25	1	57
131	127	106	85	103	35	-25	3	58
131	127	109	84	102	35	-25	3	58
131	128	109	86	103	36	-25	4	60
131	128	109	85	104	36	-24	4	60
131	129	109	85	103	40	-25	3	60
133	129	109	83	101	38	-25	3	69
133	130	110	84	97	39	-23	6	65
134	131	113	85	101	36	-24	5	61
129	127	108	86	103	38	-25	3	66
131	129	109	85	101	38	-25	1	59
130	131	109	84	102	40	-24	2	56
126	129	109	83	101	41	-25	-1	56
119	126	103	82	100	40	-27	-2	54
116	127	104	79	99	*	*	*	*
112	125	107	79	99	40	-25	-6	50
109	122	100	79	97	42	-24	-8	49
109	119	97	78	96	41	-24	-8	47
107	117	99	77	95	41	-24	-10	44
*	*	*	*	*	564	-22	-13	57
103	114	95	82	84	41	-22	-11	60
101	113	95	81	89	42	-20	-9	47
99	111	87	81	91	43	-20	-13	46
101	110	92	82	91	41	-20	-13	43
99	107	86	80	93	40	-20	-13	42
97	107	86	77	93	41	-19	-13	39
99	107	89	77	91	40	-19	-14	38
98	105	87	76	91	40	-18	-14	38
97	104	85	75	91	40	-18	-15	37
95	102	87	75	90	40	-17	-14	36
*	*	*	*	*	41	-16	-15	34

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F
191	93	*	95	101	86	73
192	91		94	99	81	73
193	91		93	99	81	72
194	91		93	99	80	71
195	91		94	99	85	71
196	89		*	*	*	*
197	88		93	97	79	69
198	89		93	97	79	69
199	88		91	95	80	69
200	88		92	95	77	68
201	89		91	95	79	68
202	89		*	*	*	*
203	86		93	94	80	67
204	87		90	93	79	66
205	88		89	93	77	65
206	87		87	93	73	65
207	85		86	91	71	64
208	*		*	93	69	63
209	85		85	88	70	63
210	84		89	90	71	63
211	84		85	90	73	61
212	85		87	88	71	61
213	84		87	90	73	61
214	84		89	88	73	60
215	*		*	*	*	*
216	85		83	88	72	59
217	84		87	90	73	59
218	82		86	88	71	58
219	81		86	89	69	58
220	83		87	88	70	57
221	82		87	89	73	58
222	*		*	*	*	*
223	82		87	87	67	56
224	81		87	89	67	57
225	81		87	89	71	56
226	82		87	89	75	57
227	83		86	89	69	56
228	83		87	88	69	56
229	83		88	88	73	56
230	81		*	*	*	*
231	81		87	86	73	56
232	81		87	87	73	55
233	81		90	86	69	55
234	81		89	86	73	55
235	83		91	87	69	56
236	84		91	89	71	57
237	85		93	87	73	56
238	*		93	88	73	57
239	*		*	91	75	56
240	89		97	89	75	35

4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
101	86	73	89	40	-18	-14	33
99	81	73	88	40	-15	-13	31
99	81	72	87	41	-14	-14	31
99	80	71	88	40	-13	-13	31
99	85	71	87	38	-15	-13	31
*	*	*	*	*	*	*	*
97	79	69	85	39	-14	-14	29
97	79	69	85	38	-15	-13	31
95	80	69	85	40	-13	-15	28
95	77	68	83	41	-11	-13	28
95	79	68	82	40	-12	-13	27
*	*	*	*	*	*	*	*
94	80	67	83	41	-11	-11	28
93	79	66	80	38	-13	-11	28
93	77	65	80	38	-14	-10	26
93	73	65	77	39	-13	-11	26
91	71	64	77	38	-13	-13	26
93	69	63	75	39	-13	-11	26
88	70	63	75	38	-12	-10	26
90	71	63	73	39	-11	-13	28
90	73	61	73	38	-11	-14	27
88	71	61	73	38	-13	-12	28
90	73	61	70	37	-13	-13	25
88	73	60	69	38	-13	-10	26
*	*	*	*	*	*	-11	27
88	72	59	68	38	-13	-11	26
90	73	59	67	37	-11	-11	26
88	71	58	66	37	-11	-12	25
89	69	58	66	37	-12	-11	25
88	70	57	65	38	-11	-11	24
89	73	58	65	38	-9	-5	23
*	*	*	65	38	-11	-9	23
87	67	56	66	38	-9	-8	25
89	67	57	66	38	-8	-10	24
89	71	56	66	37	-8	-11	23
89	75	57	65	37	-9	-10	24
89	69	56	63	37	-8	-7	24
88	69	56	63	35	-6	-8	24
88	73	56	64	38	-6	-7	24
*	*	*	*	*	*	*	*
86	73	56	66	39	-6	-4	24
87	73	55	64	41	-5	-4	24
86	69	55	64	37	-4	-3	25
86	73	55	65	39	-4	-2	26
87	69	56	66	38	-3	-3	26
89	71	57	64	40	-1	-2	26
87	73	58	67	39	1	-1	26
89	73	57	67	40	1	2	25
91	75	58	69	40	3	3	28
89	75	35	64	40	*	*	*

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F
241	88	*	97	89	77	35
242	87		96	89	76	34
243	89		99	91	77	36
244	88		99	91	77	40
245	90		99	93	80	39
246	91		100	94	79	40
247	90		99	94	79	40
248	89		97	91	73	41
249	*		*	*	*	*
250	89		93	91	67	44
251	89		93	90	69	45
252	89		91	89	68	47

4-14 STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
97	89	77	35	56	40	2	3	28
96	89	76	34	56	40	3	2	27
99	91	77	36	56	39	3	3	29
99	91	77	40	57	40	2	4	29
99	93	80	39	57	41	5	6	30
100	94	79	40	56	40	3	5	29
99	94	79	40	54	40	4	5	29
97	91	73	41	56	42	3	5	28
*	*	*	*	*	*	3	5	29
93	91	67	44	51	41	3	5	28
93	90	65	45	52	41	4	5	29
91	89	63	47	50	42	6	6	30

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CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
1	-48	-47	-47
2	-48	-47	-47
3	-48	-48	-48
4	-47	-47	-49
5	-48	-48	-48
6	-48	-48	-49
7	-48	-49	-49
8	-47	-47	-48
9	-49	-48	-49
10	-49	-49	-49
11	-48	-48	-49
12	-47	-39	-40
13	-49	-23	-20
14	-48	-3	-13
15	-47	8	1
16	-48	17	5
17	-47	24	11
18	-46	28	19
19	-46	33	25
21	-46	35	17
21	-45	39	2
22	-43	43	4
23	*	*	*
24	-44	50	10
25	-41	54	19
26	*	*	*
27	-38	59	43
28	-38	60	41
29	-37	63	44
30	-36	66	45
31	-34	68	48
32	-32	70	52
33	-31	72	57
34	-29	74	60
35	-30	76	61
36	-26	78	60
37	-27	79	60
38	-24	83	51
39	-22	83	42
40	-15	85	54

CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
41	-19	85	43
42	*	*	*
43	-15	83	51
44	-3	93	64
45	-8	88	36
46	4	100	71
47	-2	121	87
48	0	133	92
49	0	123	101
50	-1	113	96
51	29	127	90
52	18	153	103
53	16	161	115
54	16	139	102
55	*	*	*
56	17	123	93
57	20	120	100
58	21	118	99
59	52	122	93
60	41	153	107
61	36	166	113
62	35	153	109
63	35	139	106
64	37	133	100
65	38	131	95
66	38	129	104
67	39	130	105
68	38	129	105
69	40	129	104
70	41	129	105
71	42	127	104
72	64	131	99
73	60	169	111
74	54	174	126
75	52	153	113
76	53	146	114
77	52	140	101
78	53	136	99
79	55	135	96
80	54	135	110
81	57	135	111
82	57	135	109
83	*	*	*
84	59	133	107
85	57	133	108
86	59	133	103
87	60	131	105
88	60	131	106
89	60	131	106
90	60	131	105

CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
91	63	131	105
92	62	130	105
93	61	131	105
94	*	*	106
95	63	131	101
96	67	129	89
97	67	123	90
98	*	*	*
99	66	125	93
100	66	127	94
101	64	126	95
102	66	127	*
103	68	126	93
104	66	126	94
105	66	126	96
106	66	126	93
107	66	126	91
108	79	148	100
109	73	159	108
110	71	147	*
111	69	138	97
112	68	133	98
113	69	130	95
114	*	*	*
115	68	128	103
116	68	128	103
117	67	129	104
118	*	*	*
119	66	128	104
120	65	129	104
121	67	129	104
122	67	128	101
123	67	129	95
124	66	129	90
125	66	128	80
126	66	128	81
127	65	130	77
128	66	130	74
129	66	130	73
130	64	130	75
131	*	*	*
132	64	129	73
133	64	128	75
134	63	128	75
135	63	129	75
136	63	129	77
137	65	130	77
138	63	128	76
139	62	129	73
140	*	*	*

CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
141	62	129	73
142	63	129	75
143	63	129	77
144	64	129	74
145	63	128	75
146	63	129	75
147	63	129	75
148	63	129	74
149	63	128	75
150	63	128	77
151	63	127	80
152	62	127	78
153	62	127	77
154	*	*	*
155	63	129	77
156	62	127	76
157	63	128	77
158	63	128	76
159	62	128	*
160	64	129	74
161	63	129	77
162	63	129	75
163	64	128	75
164	63	129	73
165	65	129	73
166	73	145	97
167	67	137	98
168	67	129	91
169	*	*	*
170	65	127	74
171	63	125	83
172	62	123	86
173	61	123	87
174	*	*	*
175	58	121	96
176	57	122	95
177	56	121	95
178	67	121	91
179	63	145	97
180	57	147	101
181	55	129	98
182	55	123	90
183	54	119	71
184	53	117	63
185	54	116	*
186	51	115	54
187	52	115	56
188	50	115	58
189	49	115	57
190	48	113	60

CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
191	47	113	53
192	48	113	59
193	47	113	57
194	47	111	50
195	47	111	40
196	47	111	40
197	46	109	46
198	45	109	40
199	45	109	47
200	45	108	47
201	43	109	51
202	42	108	53
203	42	109	51
204	41	106	36
205	40	104	35
206	39	104	31
207	36	103	33
208	36	103	30
209	35	100	31
210	31	101	35
211	31	100	31
212	31	99	31
213	29	99	32
214	28	97	34
215	27	99	38
216	25	97	35
217	25	97	35
218	25	94	42
219	25	97	46
221	24	95	43
222	24	96	44
223	24	95	49
223	24	97	47
224	22	95	48
225	22	94	47
226	21	93	47
227	22	94	48
228	21	95	49
229	21	94	49
230	22	94	52
231	23	93	47
232	23	93	49
233	22	95	48
234	24	96	49
235	22	97	50
236	24	97	49
237	24	99	48
238	24	97	48
239	28	101	51
240	*	*	*

CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
241	26	99	49
"	26	95	47
24.	26	95	50
244	31	95	52
245	34	93	51
246	30	93	54
247	31	91	56
248	31	86	59
249	33	81	66
250	35	*	*
251	36	73	58
252	35	68	60

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CN		5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-0 ENG. CI CCCLE INLE OI DEG.
0	0	0	0	-43	-44
1	1	0	8	-44	-44
2	2	0	28	*	*
3	3	0	48	-44	-44
4	4	1	8	-43	-44
5	5	1	27	-44	*
6	6	1	47	-44	-44
7	7	2	7	-44	-44
8	8	2	27	*	*
9	9	2	46	-44	-44
10	10	3	6	-43	-44
11	11	3	26	*	*
12	12	3	46	-43	-44
13	13	4	5	-44	-43
14	14	*	*	*	*
15	15	4	45	-43	-44
16	16	5	4	-44	-44
17	*	*	*	*	*
18	18	5	44	-44	-44
19	19	6	4	-44	-44
20	*	*	*	*	*
21	21	6	43	-44	-44
22	22	7	3	-43	-44
23	*	*	20	-43	-44
24	24	7	42	-44	-44
25	--	8	2	-43	-44
26	26	8	22	-43	-43
27	27	8	41	-43	-44
28	28	9	1	-43	-44
29	29	9	21	-43	-43
30	30	9	40	-43	-44
31	31	10	0	-43	-44
32	32	10	20	-43	-44
33	33	10	40	-43	-43
34	34	10	59	-44	-44
35	35	11	19	-44	-43
36	36	11	39	-44	-44
37	37	11	58	-43	-44
38	38	12	19	-43	-43
39	39	12	38	*	*
40	40	12	57	-43	-44

-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL CCOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP FUEL INLET DEG.F	5-09 ENG.1 N.G.B. OIL COOLER OUTLET DEG.C	5-10 ENG.1 N.G.B. OIL COOLER INLET DEG.C	5-11 ENG.2 N.G.B. OIL COOLER OUTLET DEG.C
0	-43	-44	-42	-46	-43	-44	-44
8	-44	-44	-43	-46	-44	-44	-45
28	*	*	*	*	*	*	*
48	-44	-44	-43	-46	-44	-44	-45
8	-43	-44	-43	-46	-44	-44	-45
27	-44	*	*	*	*	*	*
47	-44	-44	-42	-47	-43	-44	-44
7	-44	-44	-43	-47	-43	-44	-44
27	*	*	*	*	*	*	*
46	-44	-44	-42	-46	-44	-45	-45
6	-43	-44	-43	-47	-44	-44	-44
26	*	*	*	*	*	*	*
46	-43	-44	-43	-46	-44	-44	-44
5	-44	-43	-42	-47	-44	-44	-45
*	*	*	*	*	*	*	*
45	-43	-44	-42	-46	-44	-44	-45
4	-44	-44	-43	-47	-44	-45	-44
*	*	*	*	*	*	-45	-45
44	-44	-44	-43	-46	-44	-44	-45
4	-44	-44	-42	-46	-43	-44	-45
*	*	*	-43	-46	-44	-44	-45
43	-44	-44	-43	-46	-44	-45	-45
3	-43	-44	-42	-46	-44	-45	-44
20	-43	-44	-42	-46	-43	-44	-45
42	-44	-44	-42	-46	-44	-44	-45
2	-43	-44	-42	-46	-43	-43	-45
22	-43	-43	-42	-46	-43	-43	-44
41	-43	-44	-42	-45	-43	-44	-44
1	-43	-44	-42	-46	-43	-44	-44
21	-43	-43	-43	-47	-44	-44	-43
40	-43	-44	-42	-47	-43	-44	-44
0	-43	-44	-43	-46	-44	-44	-44
20	-43	-44	-43	-46	-44	-44	-44
40	-43	-43	-43	-47	-44	-43	-44
59	-44	-44	-43	-45	-43	-43	-44
19	-44	-43	-42	-46	-44	-43	-43
39	-44	-44	-42	-47	-43	-43	-44
58	-43	-44	-42	-47	-43	-43	-44
18	-43	-43	-42	-46	-43	-43	-43
38	*	*	*	*	*	*	*
57	-43	-44	-43	-46	-43	-43	-44

CN	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK I/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C
41	13	17	-43	-41
42	*	*	-43	-40
43	13	57	-43	-41
44	14	16	-43	-40
45	14	36	-42	-39
46	14	56	-42	-38
47	15	15	-43	-38
48	15	35	-43	-39
49	15	55	-42	-38
50	16	14	-43	-39
51	16	34	-43	-39
52	*	*	*	*
53	17	13	-42	-39
54	17	33	-43	-39
55	17	53	-43	-39
56	18	12	-42	-39
57	18	32	-42	-39
58	18	52	-43	-38
59	19	11	-43	-39
60	19	31	-43	-37
61	19	51	-43	-38
62	*	*	*	*
63	20	30	-42	-31
64	20	50	-42	-32
65	21	9	-43	-33
66	21	29	-42	-34
67	21	49	-43	-33
68	22	8	-42	-34
69	*	*	*	*
70	22	48	-42	-33
71	23	7	-41	-33
72	23	27	-41	-32
73	23	47	-43	-31
74	24	6	-43	-29
75	24	26	-42	-27
76	*	*	*	*
77	25	5	-43	-28
78	25	25	-42	-28
79	25	45	-43	-29
80	26	4	-42	-29
81	26	24	-42	-29
82	26	44	-42	-29
83	*	1	-42	-29
84	27	23	-42	-29
85	27	43	-41	-29
86	28	2	-41	-29
87	28	22	-42	*
88	28	42	-41	-29
89	29	1	-42	-29
90	29	21	-41	-28

5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL CEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP FUEL INLET DEG.F	5-09 ENG.1 N.G.B. OIL COOLER OUTLET DEG.C	5-10 ENG.1 N.G.B. OIL COOLER INLET DEG.C	5-11 ENG.2 N.G.B. OIL COOLER OUTLET DEG.C
-43	-41	-43	-46	-44	-44	-43
-43	-40	-43	-46	-43	-43	-44
-43	-41	-43	-46	-44	-43	-43
-43	-40	-41	-46	-43	-43	-44
-42	-39	-41	-45	-43	-43	-43
-42	-38	-41	-47	-43	-42	-44
-43	-38	-41	-43	-43	-43	-44
-43	-39	-40	-45	-43	-43	-44
-42	-38	-41	-45	-43	-43	-43
-43	-39	-40	-46	-43	-42	-43
-43	-39	-41	-44	-43	-43	-43
*	*	*	*	*	*	-44
-42	-39	-41	-45	-43	-43	-43
-43	-39	-41	-46	-43	-42	-44
-43	-39	-40	-44	-43	-43	-44
-42	-39	-40	-44	-42	-42	-43
-42	-39	-41	-46	-43	-43	-43
-43	-38	-40	-44	-43	-42	-44
-43	-39	-41	-44	-43	-42	-43
-43	-37	-40	-45	-42	-43	-43
-43	-33	-36	-45	-42	-41	-43
*	*	-32	-45	-42	-43	-44
-42	-31	-32	-45	-41	-42	-43
-42	-32	-32	-43	-42	-41	-43
-43	-33	-33	-45	-42	-42	-43
-42	-34	-33	-44	-41	-41	-43
-43	-33	-34	-45	-41	-42	-42
-42	-34	-33	-44	-41	-42	-43
*	*	*	*	*	*	*
-42	-33	-34	-45	-41	-42	-41
-41	-33	-34	-43	-42	-41	-43
-41	-32	-34	-41	-42	-41	-42
-43	-31	-32	-43	-41	-42	-41
-43	-29	-29	-42	-41	-41	-41
-42	-27	-29	-43	-41	-41	-42
*	*	*	*	*	-41	-41
-43	-28	-29	-42	-41	-41	-42
-42	-28	-29	-43	-41	-41	-41
-43	-29	-30	-42	-41	-42	-42
-42	-29	-30	-42	-41	-41	-41
-42	-29	-30	-43	-41	-42	-41
-42	-29	-31	-43	-41	-41	-41
-42	-29	-31	-41	-41	-41	-41
-42	-29	-31	-40	-40	-41	-41
-41	-29	-31	-43	-40	-41	-40
-41	-29	-32	-42	-40	-41	-41
-42	*	*	*	*	*	*
-41	-29	-32	-42	-40	-41	-41
-42	-29	-33	-41	-40	-41	-41
-41	-28	-32	-41	-40	-41	-40

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CN	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C
91	29	41	-42	-29
92	30	1	-42	-29
93	30	20	-42	-28
94	30	40	-42	-29
95	31	0	-43	-28
96	31	19	-42	-29
97	31	39	-42	-29
98	31	59	-42	-29
99	32	19	-41	-29
100	32	38	-42	-29
101	32	58	-42	-28
102	*	*	*	-29
103	33	37	-41	-28
104	33	57	-41	-29
105	34	16	-42	-28
106	*	*	*	-28
107	34	56	-43	-28
108	35	16	-42	-28
109	35	35	-41	-25
110	*	*	-41	-16
111	36	15	-41	-10
112	36	34	-39	-5
113	36	54	-36	0
114	37	14	-31	3
115	37	34	-21	8
116	37	53	-8	11
117	38	13	2	15
118	38	33	7	19
119	38	52	10	23
120	39	12	13	24
121	39	32	16	22
122	39	51	17	20
123	40	11	17	18
124	40	31	17	17
125	40	50	18	16
126	41	10	17	14
127	41	30	*	*
128	41	49	17	13
129	42	9	18	12
130	42	29	17	11
131	*	46	18	10
132	43	8	18	9
133	43	28	18	9
134	43	47	19	8
135	44	7	18	8
136	44	27	17	7
137	44	47	17	7
138	45	6	16	6
139	45	26	16	5
140	*	43	15	5

-03 IME EC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP FUEL INLET DEG.F	5-09 ENG.1 N.G.B. OIL COOLER OUTLET DEG.C	5-10 ENG.1 N.G.B. OIL COOLER INLET DEG.C	5-11 ENG.2 N.G.B. OIL COOLER OUTLET DEG.C
41	-42	-29	-32	-40	-40	-41	-40
1	-42	-29	-32	-41	-40	-41	-40
20	-42	-28	-33	-40	-40	-41	-40
40	-42	-29	-32	-40	-39	-41	-40
0	-43	-28	-32	-40	-40	-40	-39
19	-42	-29	-32	-40	-38	-40	-39
39	-42	-29	-32	-38	-40	-40	-39
59	-42	-29	-32	-40	-39	-41	-40
18	-41	-29	-33	-40	-39	-40	-39
38	-42	-29	-32	-40	-39	-40	-39
58	-42	-28	-33	-40	-40	-40	-39
*	*	-29	-32	-40	-39	-40	-39
37	-41	-28	-33	-38	-39	-40	-39
57	-41	-29	-33	-38	-39	-40	-40
16	-42	-28	-33	-40	-39	-40	-39
*	*	-28	-33	-40	-39	-40	-39
56	-43	-28	-32	-39	-38	-40	-39
16	-42	-28	-33	-39	-39	-40	-39
35	-41	-25	-28	-38	-38	-40	-40
*	-41	-16	-18	-37	-41	-41	-39
15	-41	-10	-12	-35	-41	-41	-40
34	-39	-5	-6	-29	-40	-41	-39
54	-36	0	-.	-25	-37	-39	-39
14	-31	3	[illegible]	-25	-27	-32	-39
34	-21	8	8	-24	-22	-28	-39
53	-8	11	11	-25	-22	-26	-39
13	2	15	16	-26	-16	-21	-39
33	7	19	19	-26	-13	-17	-39
52	10	23	21	-28	-9	-14	-39
12	13	24	23	-28	-8	-11	-39
32	16	22	22	-28	-8	-14	-39
51	17	20	19	-30	-9	-15	-38
11	17	18	19	-29	-12	-15	-38
31	17	17	19	-30	-12	-15	-37
50	16	16	18	-29	-13	-15	-39
10	17	14	17	-29	-13	-14	-39
30	*	*	*	*	*	*	*
49	17	13	16	-28	-15	-15	-38
9	18	12	16	-29	-15	-15	-38
29	17	11	15	-29	-15	-15	-39
48	18	10	15	-30	-15	-15	-39
8	18	9	14	-29	-16	-14	-39
28	18	9	14	-31	-17	-15	-39
47	19	8	14	-30	-17	-15	-39
7	18	8	13	-30	-17	-15	-39
27	17	7	13	-30	*	*	*
47	17	7	13	-28	-18	-16	-39
6	16	6	13	-29	-18	-15	-39
26	16	5	13	-28	-19	-15	-39
43	15	5	12	-28	-18	-14	-38

CN	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-0 ENG. OI COOLE INLE OI DEG.
141	46	5	14	5
142	46	25	14	5
143	46	45	14	4
144	47	4	13	3
145	47	24	*	*
146	47	44	12	2
147	48	3	12	0
148	48	23	12	0
149	48	43	11	0
150	49	2	11	0
151	49	22	10	0
152	49	42	10	-1
153	50	1	10	-1
154	50	21	10	-2
155	50	40	9	-2
156	51	0	10	-1
157	51	20	9	-1
158	51	39	9	-1
159	*	*	10	-1
160	52	19	8	-1
161	52	38	9	-1
162	52	58	9	-1
163	53	18	9	-1
164	*	*	*	-
165	53	57	8	-
166	54	17	9	
167	54	36	10	1
168	54	56	10	1
169	*	*	14	2
170	55	35	17	2
171	55	55	20	3
172	56	14	23	3
173	56	34	29	4
174	56	54	34	4
175	57	13	37	5
176	57	33	42	5
177	57	52	46	6
178	58	12	50	6
179	58	32	53	6
180	58	51	56	6
181	59	11	57	7
182	59	31	56	7
183	59	50	58	7
184	60	10	58	7
185	*	*	58	7
186	60	49	57	7
187	61	9	57	7
188	61	28	57	7
189	61	48	57	7
190	62	7	57	7

03 ME	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP FUEL INLET DEG.F	5-09 N.G.B. OIL COOLER OUTLET DEG.C	5-10 N.G.B. OIL COOLER INLET DEG.C	5-11 ENG.2 N.G.B. OIL COOLER OUTLET DEG.C
C.							
5	14	5	13	-28	-19	-15	-38
25	14	5	12	-28	-19	-15	-37
45	14	4	12	-27	-19	-16	-38
4	13	3	12	-27	-20	-16	-37
24	*	*	*	*	*	*	*
44	12	2	11	-28	-21	-15	-39
3	12	0	10	-29	-21	-16	-39
23	12	0	10	-26	-21	-15	-39
43	11	0	10	-28	-21	-16	-38
2	11	0	10	-28	-21	-16	-38
22	10	0	9	-29	-21	-17	-38
42	10	-1	10	-29	-21	-16	-39
1	10	-1	10	-28	-22	-16	-38
21	10	-2	9	-28	-21	-17	-38
40	9	-2	8	-28	-22	-17	-39
0	10	-3	8	-26	-22	-16	-39
20	9	-3	9	-28	-22	-17	-39
39	9	-3	8	-28	-22	-17	-38
*	10	-4	8	-28	-22	-17	-39
19	8	-4	8	-27	-22	-17	-38
38	9	-4	8	-28	-22	-17	-38
58	9	-5	8	-27	-22	-17	-39
18	9	-5	7	-28	-23	-17	-38
*	*	-5	7	-27	-23	-17	-38
57	8	-5	7	-27	-23	-17	-37
17	9	-5	7	-27	-24	-17	-37
36	10	13	14	-25	-17	-17	-38
56	10	19	19	-23	-15	-15	-37
*	14	24	23	-21	-10	-12	-38
35	17	27	27	-17	-7	-8	-38
55	20	32	32	-19	0	-2	-38
14	23	37	38	-25	13	10	-38
34	29	46	43	-29	24	23	-36
54	34	49	47	-31	36	34	-38
13	37	54	51	-32	44	44	-38
33	42	57	55	-34	51	51	-38
52	46	61	58	-34	56	57	-38
12	50	64	60	-35	61	61	-37
32	53	66	61	-35	58	67	-36
51	56	69	*	*	*	*	*
11	57	70	58	-35	61	74	-40
31	56	71	58	-35	64	77	-35
50	58	72	59	-37	66	78	-19
10	58	72	57	-34	64	80	-3
*	58	72	58	-34	66	82	7
29	57	73	58	-34	66	83	13
9	57	72	59	-36	67	84	18
28	57	73	59	-35	67	85	30
48	57	72	57	-35	66	85	41
7	57	71	59	-34	67	85	50

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CN	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C
191	62	27	*	*
192	62	47	56	71
193	63	6	57	70
194	63	26	56	70
195	63	45	57	71
196	64	5	55	69
197	64	25	55	70
198	64	44	56	69
199	65	4	55	69
200	65	23	56	69
201	65	43	54	69
202	66	3	54	69
203	66	22	*	*
204	66	42	56	72
205	67	1	56	72
206	67	21	55	72
207	67	41	54	71
208	68	0	54	71
209	*	*	*	71
210	68	38	53	71
211	68	59	53	71
212	69	19	53	72
213	69	38	53	72
214	69	58	52	73
215	70	18	52	74
216	*	*	*	*
217	70	57	52	74
218	71	17	51	73
219	71	36	51	73
220	71	56	51	73
221	72	15	50	74
222	72	35	50	73
223	*	*	*	*
224	73	14	51	73
225	73	34	50	74
226	73	54	50	74
227	74	13	50	74
228	74	33	50	74
229	74	53	51	74
230	75	12	50	75
231	*	*	*	*
232	75	32	51	72
233	76	12	51	71
234	76	31	50	70
235	76	51	50	69
236	77	11	49	68
237	77	30	49	67
238	77	50	49	67
239	78	11	49	67
240	78	31	49	66

03 ME	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP FUEL INLET DEG.F	5-09 ENG.1 N.G.B. OIL COOLER OUTLET DEG.C	5-10 ENG.1 N.G.B. OIL COOLER INLET DEG.C	5-11 ENG.2 N.G.B. OIL COOLER OUTLET DEG.C
	*	*	*	*	*	*	*
	56	71	56	-34	66	84	52
	57	70	57	-33	65	85	54
	56	70	56	-32	65	85	52
	57	71	57	-32	65	85	53
	55	69	57	-33	64	82	53
	55	70	*	*	*	*	*
	56	69	55	-31	65	82	53
	55	69	56	-31	64	83	54
	56	69	54	-20	64	83	53
	54	69	57	-15	65	83	53
	54	69	57	-20	66	83	54
	*	*	*	*	*	*	*
	56	72	56	-30	67	86	55
	56	72	55	-32	66	87	55
	55	72	54	-33	65	87	55
	54	71	55	-34	66	87	55
	54	71	53	-34	65	86	54
	*	71	52	-34	64	87	55
	53	71	54	-33	67	86	55
	53	71	54	-34	68	87	55
	53	72	53	-34	66	88	55
	53	72	53	-34	66	90	54
	52	73	53	-34	66	90	56
	52	74	53	-34	67	90	56
	*	*	*	*	*	*	57
	52	74	52	-37	67	90	57
	51	73	51	-36	67	91	57
	51	73	51	-36	67	91	56
	51	73	51	-36	66	90	58
	50	74	51	-35	65	90	59
	50	73	52	-35	64	91	58
	*	*	50	-34	65	91	58
	51	73	51	-34	66	92	59
	50	74	51	-36	66	92	59
	50	74	50	-34	66	93	60
	50	74	51	-36	67	93	59
	50	74	52	-36	67	93	59
	51	74	51	-34	67	94	60
	50	75	50	-34	66	95	60
	*	*	*	-34	66	93	60
	51	72	51	-32	66	92	59
	51	71	50	-31	64	91	59
	50	70	50	-31	64	90	58
	50	69	49	-26	62	87	57
	49	68	49	-26	63	87	57
	49	67	49	-27	63	86	57
	49	67	48	-28	62	84	56
	49	67	49	-25	62	85	57
	49	66	49	-24	63	84	56

2

CN	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C
241	78	50	*	*
242	79	10	48	66
243	79	30	47	65
244	79	50	47	66
245	80	9	49	65
246	80	29	47	64
247	80	49	47	62
248	81	9	46	59
249	81	28	46	58
251	*	*	47	56
251	82	8	47	54
252	82	27	47	53

-C3 TIME EC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP FUEL INLET DEG.F	5-09 ENG.1 N.G.B. OIL COOLER OUTLET DEG.C	5-10 ENG.1 N.G.B. OIL COOLER INLET DEG.C	5-11 ENG.2 N.G.B. OIL COOLER OUTLET DEG.C
50	*	*	*	*	*	*	*
10	48	66	48	-27	60	83	56
30	47	65	48	-25	60	82	57
50	47	66	49	-27	61	82	56
9	49	65	49	-26	62	82	56
29	47	64	47	-26	60	81	55
49	47	62	49	-22	62	77	57
9	46	59	53	-21	64	74	60
28	46	58	53	-20	63	73	61
*	47	56	51	-20	60	72	58
8	47	54	*	*	*	*	*
27	47	53	51	-18	57	70	56

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
13 MAY 70
-45 DEG.F. RUN NO. 15
TAPE 086 1 FILE

CN	5-12 ENG.2 N.G.B. OIL COOLER INLET DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET DEG.C	5-17 MAIN G.BOX OIL COOLER OUTLET DEG.C
1	-44	-45	-43	-43	-43	-43
*	-45	-45	-43	-43	-43	-44
2	*	*	-43	-42	-44	-43
3	-45	-45	-43	-43	-43	-44
4	-45	-46	-43	-43	-44	-44
5	*	*	*	-42	-44	-44
6	-45	-45	-44	-43	-44	-44
7	-45	-46	-44	-43	-44	-43
8	*	*	*	-43	-43	-43
9	-45	-45	-44	-43	-44	-43
10	-45	-45	-43	-43	-43	-44
11	*	*	-43	-43	-43	-44
12	-45	-45	-43	-43	-45	-44
13	-45	-45	-43	-43	-44	-43
14	*	-46	-44	-43	-44	-43
15	-45	-45	-44	-42	-44	-44
16	-45	-45	-44	-42	-44	-44
17	-45	-46	-44	-41	-44	-44
18	-45	-45	-43	-40	-44	-44
19	-45	-45	-43	-37	-43	-43
20	-45	-45	-43	-35	-43	-44
21	-45	-45	-43	-32	-44	-43
22	-44	-45	-43	-28	-43	-43
23	-44	-45	-43	-24	-43	-43
24	-45	-45	-43	-21	-43	-43
25	-44	-45	-44	-19	-43	-44
26	-45	-45	-43	-20	-43	-43
27	-45	-45	-43	-15	-43	-43
28	-44	-45	-44	-11	-43	-43
29	-45	-45	-44	-7	-43	-44
30	-44	-45	-43	-4	-44	-43
31	-44	-45	-44	-2	-43	-43
32	-45	-44	-43	0	-43	-44
33	-44	-46	-43	2	-43	-43
34	-45	-45	-43	4	-43	-43
35	-44	-45	-43	5	-43	-43
36	-44	*	*	*	*	*
37	-45	-46	-43	7	-44	-43
38	-44	-44	-43	8	-43	-43
39	*	-44	-43	10	-43	-43
40	-43	-45	-43	11	-43	-44

-14	5-15	5-16	5-17	5-18	5-19	5-20	5-21	5-22
.2	ACCESS	MAIN	MAIN	INTER.	TAIL	GEN.	FUEL	ELECT.
IL	GEAR	G.BOX	G.BOX	GEAR	GEAR	MASS	TEMP.	COMPRT
ER	BOX	OIL	OIL	BOX	BOX	TEMP	TO	NO.1
ET	OIL	COOLER	COOLER	OIL	OIL		COMBST	TEMP
IL	TEMP	INLET	OUTLET	TEMP	TEMP		HEATER	
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.F	DEG.F	DEG.F
3	-43	-43	-43	-43	-43	-46	-49	-47
3	-43	-43	-44	-43	-43	-46	-49	-47
3	-42	-44	-43	-43	-43	-47	-47	-48
3	-43	-43	-44	-43	-43	-47	-48	-47
3	-43	-44	-44	-43	-43	-47	-47	-47
*	-42	-44	-44	-44	-43	-47	-49	-47
4	-43	-44	-44	-44	-43	-47	-49	-47
4	-43	-44	-43	-44	-43	-49	-48	-49
*	-43	-43	-43	-44	-43	-48	-49	-48
4	-43	-44	-43	-43	-43	-47	-49	-48
3	-43	-43	-44	-43	-43	-47	-48	-47
3	-43	-43	-44	-42	-43	-46	-47	-47
3	-43	-45	-44	-43	-42	-46	-46	-47
3	-43	-44	-43	-43	-43	-46	-46	-47
4	-43	-44	-43	-42	-43	-46	-46	-47
4	-42	-44	-44	-43	-43	-46	-47	-47
4	-42	-44	-44	-43	-43	-46	-46	-47
4	-41	-44	-44	-43	-43	-45	-36	-46
3	-40	-44	-44	-43	-43	-43	-32	-46
3	-37	-43	-43	-43	-43	-43	-28	-45
3	-35	-43	-44	-43	-43	-42	-38	-44
3	-32	-44	-43	-43	-43	-40	-32	-43
3	-28	-43	-43	-43	-43	-38	-26	-42
3	-24	-43	-43	-43	-43	-37	-21	-41
3	-21	-43	-43	-42	-42	-34	-22	-40
3	-19	-43	-44	-42	-43	-34	-25	-40
3	-20	-43	-43	-43	-42	-33	-14	-39
3	-15	-43	-43	-43	-42	-32	-13	-37
3	-11	-43	-43	-43	-43	-30	-8	-38
3	-7	-43	-44	-43	-43	-28	-11	-38
3	-4	-44	-43	-43	-43	-26	-11	-37
3	-2	-43	-43	-43	-43	-24	-11	-38
3	0	-43	-44	-43	-43	-22	-15	-36
3	2	-43	-43	-43	-43	-20	*	*
3	4	-43	-43	-43	-43	-19	2	-34
3	5	-43	-43	-42	-43	-15	-7	-32
3	*	*	*	*	*	*	*	*
3	7	-44	-43	-42	-43	-13	0	-30
3	8	-43	-43	-43	-43	-11	-8	-29
3	10	-43	-43	-43	-42	-8	-4	-28
3	11	-43	-44	-42	-42	-8	-6	-27

CN	5-12 ENG.2 N.G.B. OIL COOLER INLET DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET DEG.C	5-17 MAIN G.BOX OIL COOLER OUTLET DEG.C
41	-44	-43	-44	12	-43	-44
42	-43	-43	-43	14	-43	-44
43	-44	-43	-44	15	-43	-43
44	-44	-41	-43	16	-43	-43
45	-44	-41	-43	18	-43	-43
46	-43	-39	-43	19	-43	-43
47	-43	-34	-41	20	-43	-43
48	-43	-29	-36	21	-42	-43
49	-43	-27	-33	*	*	*
50	-44	-27	-31	23	-43	-43
51	-44	-29	-32	25	-43	-43
52	-43	-24	-31	25	-43	-42
53	-44	-22	-27	26	-43	-43
54	-43	-22	-26	28	-43	-43
55	-43	-23	-26	28	-43	-43
56	-43	-24	-26	29	-43	-43
57	-42	-25	-27	29	-43	-43
58	-43	-26	-27	31	-42	-43
59	-43	-26	-28	*	*	*
60	-43	-26	-29	33	-43	-42
61	-43	-26	-29	33	-43	-42
62	-43	-26	-30	34	-42	-40
63	-44	-26	-29	34	-43	-41
64	-43	-26	-31	35	-43	-41
65	-42	-27	-31	35	-43	-41
66	-43	-27	-33	37	-42	-41
67	-43	-26	-32	37	-43	-41
68	-42	-26	-33	37	-43	-41
69	-43	-26	-32	39	-42	-40
70	-43	-26	-33	38	-43	-40
71	-43	-27	-33	39	-42	-39
72	-42	-26	-33	41	-42	-39
73	-43	-26	-33	41	-42	-39
74	-43	-25	-33	41	-43	-40
75	-42	-26	-34	42	-42	-39
76	-43	-27	-34	42	-43	-39
77	-43	-26	-34	44	-43	-39
78	-43	-26	-34	43	-43	-39
79	-42	-26	-34	43	-42	-39
80	-43	-26	-34	45	-42	*
81	-42	-27	-34	44	-42	-38
82	-41	-27	-34	45	-42	-37
83	-41	-27	-34	44	-42	-37
84	-43	-26	-35	46	-42	-37
85	-42	-27	-35	46	-41	-37
86	-43	-27	-34	47	-42	-36
87	*	*	*	47	-41	-36
88	-42	-27	-35	47	-41	-36
89	-42	-27	-35	47	-41	-36
90	-42	-27	-35	48	-41	-36

14	5-15	5-16	5-17	5-18	5-19	5-20	5-21	5-22
.2	ACCESS	MAIN	MAIN	INTER.	TAIL	GEN.	FUEL	ELECT.
IL	GEAR	G.BOX	G.BOX	GEAR	GEAR	MASS	TEMP.	COMPRT
ER	BOX	OIL	OIL	BOX	BOX	TEMP	TO	NO.1
ET	OIL	COOLER	COOLER	OIL	OIL		COMBST	TEMP
IL	TEMP	INLET	OUTLET	TEMP	TEMP		HEATER	
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.F	DEG.F	DEG.F
	12	-43	-44	-43	-43	-6	0	-27
	14	-43	-44	-42	-42	-4	-3	-25
	15	-43	-43	-43	-43	-2	10	-25
	16	-43	-43	-43	-43	0	10	-23
	18	-43	-43	-42	-42	2	3	-23
	19	-43	-43	-42	-43	4	5	-21
	20	-43	-43	-42	-42	5	1	-20
	21	-42	-43	-41	-42	7	3	-19
	*	*	*	*	*	*	*	*
	23	-43	-43	-42	-42	10	16	-18
	25	-43	-43	-42	-42	12	5	-18
	25	-43	-42	-42	-43	16	5	-16
	26	-43	-43	-43	-42	15	5	-15
	28	-43	-43	-42	-42	17	10	-15
	28	-43	-43	-42	-42	19	15	-13
	29	-43	-43	-42	-42	20	10	-13
	29	-43	-43	-41	-42	21	8	-13
	31	-42	-43	-42	-42	23	8	-11
	*	*	*	*	*	*	*	*
	33	-43	-42	-42	-42	26	14	-11
	33	-43	-42	-42	-42	27	10	-10
	34	-42	-40	-42	-42	28	8	-8
	34	-43	-41	-42	-42	31	8	-8
	35	-43	-41	-41	-41	31	19	-6
	35	-43	-41	-41	-41	33	8	-6
	37	-42	-41	-42	-42	34	*	*
	37	-43	-41	-42	-42	35	23	-5
	37	-43	-41	-41	-42	37	18	-4
	39	-42	-40	-41	-42	38	23	-2
	38	-43	-40	-42	-43	39	22	-2
	39	-42	-39	-41	-42	40	25	-1
	41	-42	-39	-41	-41	41	17	1
	41	-42	-39	-41	-41	44	21	*
	41	-43	-40	-41	-41	43	17	1
	42	-42	-39	-42	-42	45	27	1
	42	-43	-39	-42	-41	47	21	2
	44	-43	-39	-41	-43	47	20	2
	43	-43	-39	-42	-42	48	25	2
	43	-42	-39	-42	-42	49	18	3
	45	-42	*	*	*	*	*	*
	44	-42	-38	-41	-41	51	25	4
	45	-42	-37	-41	-41	52	26	5
	46	-42	-37	-42	-42	52	31	5
	46	-42	-37	-42	-41	54	30	5
	46	-41	-37	-42	-41	56	21	8
	47	-42	-36	-41	-42	57	31	7
	47	-41	-36	-41	-42	57	31	8
	47	-41	-36	-42	-42	58	22	8
	47	-41	-36	-42	-41	59	31	8
	46	-41	-36	-42	-42	59	31	17

2

FA	5-12 ENG.2 N.G.B. OIL COOLER INLET DEG.C	5-13 ENG.2 OIL CCOLER INLET OIL DEG C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET DEG.C	5-17 MAIN G.BOX OIL COOLER OUTLET DEG.C
91	-42	-26	-35	*	*	*
92	-41	-27	-34	49	-41	-36
93	-42	-27	-35	50	-41	-36
94	-41	-27	-35	50	-40	-35
95	-41	-28	-34	50	-40	-35
96	-41	-27	-35	51	-40	-35
97	-42	-26	-35	51	-40	-35
98	-41	-27	-35	51	-40	-34
99	-41	-28	-34	51	-40	-34
100	-41	-27	-35	52	-40	-34
101	-42	-28	-35	52	-40	-33
102	-42	-28	-34	53	-39	-34
103	-40	-28	-33	52	-40	-34
104	-41	-27	-34	52	-40	-34
105	-41	-27	-35	53	-40	-34
106	-41	-28	-35	52	-40	-33
107	-42	-28	-35	53	-40	-33
108	-41	-28	-35	53	-40	-33
109	-41	-28	-35	53	-39	-33
110	-42	-29	-34	54	-39	-36
111	-41	-28	-34	54	-39	-38
112	-41	-27	-34	53	-39	-39
113	-41	-27	-34	53	-39	-38
114	-41	-29	-35	54	-38	-38
115	-41	-28	-34	54	-38	-38
116	-41	-28	-34	54	-38	-36
117	-40	-28	-34	54	-37	-37
118	-41	-28	-34	55	-37	-37
119	-41	-28	-34	54	-37	-36
120	-41	-28	-34	54	-36	-36
121	-40	-28	-34	54	-36	-37
122	-41	-28	-34	54	-35	-36
123	-41	*	*	*	*	*
124	-41	-29	-35	55	-34	-36
125	-40	-28	-34	55	-35	-36
126	-41	-28	-34	56	-35	-35
127	*	*	-34	56	-35	-36
128	-41	-28	-34	56	-35	-35
129	-41	-28	-35	56	-35	-34
130	-41	-27	-34	56	-35	-35
131	-41	-28	-34	56	-35	-35
132	-41	-28	-34	57	-34	-35
133	-41	-29	-34	57	-35	-35
134	-41	-29	-34	57	-34	-35
135	-41	-29	-35	57	-35	-35
136	*	*	*	*	*	*
137	-40	-27	-34	57	-35	-34
138	-40	-28	-34	57	-34	-35
139	-40	-29	-34	57	-34	-34
140	-41	-28	-34	58	-34	-34

5-14 G.2 OIL LER LET CIL G.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET DEG.C	5-17 MAIN G.BOX OIL COOLER CUTLET DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN. MASS TEMP DEG.F	5-21 FUEL TEMP. TO COMBST HEATER DEG.F	5-22 ELECT. COMPRT NO.1 TEMP DEG.F
35	*	*	*	*	*	*	*	*
34	49	-41	-36	-40	-42	60	31	21
3-	50	-41	-36	-39	-41	60	31	24
35	50	-40	-35	-39	-41	61	31	25
34	50	-40	-35	-39	-41	64	29	*
35	51	-40	-35	-39	-41	64	24	28
35	51	-40	-35	-37	-41	64	31	30
35	51	-40	-34	-38	-41	67	26	30
34	52	-40	-34	-37	-41	66	24	31
35	52	-40	-34	-36	-42	67	23	31
35	52	-40	-33	-36	-41	67	22	32
34	53	-39	-34	-36	-42	68	19	33
35	52	-40	-34	-36	-41	70	29	35
34	52	-40	-34	-36	-41	67	31	35
35	53	-40	-34	-35	-41	86	31	36
35	52	-40	-33	-35	-42	75	33	37
35	53	-40	-33	-35	-41	79	29	38
35	53	-40	-33	-34	-41	70	29	38
35	53	-39	-33	-34	-4.	72	31	39
34	54	-39	-36	-34	-41	71	22	40
34	54	-39	-38	-34	-41	70	24	40
34	53	-39	-39	-34	-39	68	31	40
34	53	-39	-38	-34	-38	68	31	40
35	54	-38	-38	-34	-35	66	31	41
34	54	-38	-38	-33	-31	66	32	42
34	54	-39	-36	-35	-28	67	35	43
34	54	-37	-37	-34	-25	65	31	42
34	55	-37	-37	-33	-23	67	29	44
34	54	-37	-36	-34	-21	*	*	*
34	54	-36	-36	-34	-19	67	24	44
34	54	-36	-37	-34	-19	68	36	45
34	54	-35	-36	-32	-18	69	34	45
*	*	*	*	*	*	*	*	45
35	55	-34	-36	-32	-19	72	30	46
34	55	-35	-36	-32	-20	73	34	46
34	56	-35	-35	-30	-20	*	24	47
34	56	-35	-36	-31	-21	74	22	47
34	55	-35	-35	-30	-21	79	28	48
35	56	-35	-34	-30	-22	82	34	47
34	56	-35	-35	-31	-22	75	36	47
34	56	-35	-35	-29	-23	89	24	47
34	57	-34	-35	-29	-22	81	21	47
34	57	-35	-35	-28	-24	82	27	49
34	57	-34	-35	-28	-24	79	27	49
35	57	-35	-35	-28	-24	*	24	51
*	*	*	*	-28	-25	.	31	52
34	57	-35	-34	-28	-25	79	31	51
34	57	-34	-35	-28	-25	81	33	53
34	57	-34	-34	-28	-25	80	34	53
34	58	-34	-34	-27	-26	82	24	53

CN	5-12 ENG.2 N.G.B. OIL COOLER INLET DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET DEG.C	5-17 MAIN G.BOX OIL COOLER OUTLET DEG.C
141	-40	-28	-34	58	-34	-34
142	-39	-29	-34	58	-34	-34
143	-40	-29	-34	59	-34	-34
144	-40	-29	-34	59	-34	-34
145	*	-29	-34	59	-34	-34
146	-40	-29	-34	59	-34	-34
147	-41	-28	-34	59	-34	-34
148	-40	-29	-34	59	-34	-34
149	-40	-29	-34	60	-34	-34
150	-41	*	*	*	*	*
151	-40	-29	-34	59	-34	-34
152	-40	-28	-34	60	-34	-34
153	-40	-29	-34	60	-34	-34
154	-40	-29	-34	60	-34	-34
155	-39	-28	-34	60	-33	-33
156	-41	-30	-34	60	-34	-33
157	-41	-29	-33	60	-34	-34
158	-40	-29	-34	60	-34	-34
159	-40	-29	-34	61	-34	-34
160	-39	-29	-34	60	-34	-34
161	-41	-28	-33	61	-34	-33
162	-40	-29	-33	61	-34	-33
163	-41	-29	-33	61	-34	-34
164	-39	-29	-34	61	-33	-33
165	-40	-29	-34	61	-33	-34
166	-40	-29	-34	61	-34	-34
167	-39	-28	-34	61	-31	-30
169	-39	-29	-34	61	-28	-29
169	-40	-29	-33	61	-28	-29
170	-40	-29	-34	61	-27	-27
171	-40	-30	-33	61	-26	-26
172	-40	-29	-34	59	-25	-24
173	-40	-29	-34	58	-20	-21
174	-40	-30	-34	57	-14	-14
175	-39	-30	-34	*	*	*
176	-39	-30	-34	56	-4	-5
177	-40	-29	-34	55	0	-2
178	-40	-29	-34	55	2	1
179	-40	-26	-32	54	5	4
180	*	*	*	*	8	6
181	-39	-10	-15	53	10	8
182	-38	-4	-8	53	13	10
183	-24	0	-1	51	15	13
184	-12	3	2	51	17	15
185	-1	11	8	51	19	18
186	4	13	12	50	21	19
187	13	19	19	50	23	22
188	23	25	23	50	24	23
189	36	30	32	50	26	24
190	45	36	34	49	27	26

14	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET DEG.C	5-17 MAIN G.BOX OIL COOLER OUTLET DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN. MASS TEMP DEG.F	5-21 FUEL TEMP. TO COMBST HEATER DEG.F	5-22 ELECT. COMPRT NO.1 TEMP DEG.F
	58	-34	-34	-26	-25	85	31	*
	58	-34	-34	-26	-26	83	29	54
	59	-34	-34	-26	-26	80	31	54
	59	-34	-34	-25	-26	*	20	55
	59	-34	-34	-25	-27	83	20	55
	59	-34	-34	-25	-27	83	31	54
	59	-34	-34	-24	-27	83	31	54
	59	-34	-34	-24	-27	84	31	56
	60	-34	-34	-23	-28	85	23	56
	*	*	*	*	*	*	*	56
	59	-34	-34	-23	-28	85	33	57
	60	-34	-34	-23	-28	85	31	57
	60	-34	-34	-23	-28	84	20	58
	60	-34	-34	-24	-28	84	36	57
	60	-33	-33	-22	-28	*	*	*
	60	-34	-33	-22	-28	86	22	59
	60	-34	-34	-23	-28	86	33	59
	60	-34	-34	-22	-29	87	22	57
	61	-34	-34	-22	-29	85	31	58
	60	-34	-34	-22	-28	87	31	*
	61	-34	-33	-22	-29	87	26	59
	61	-34	-33	-22	-29	87	31	58
	61	-34	-34	-22	-29	87	31	60
	61	-33	-33	-22	-30	89	33	60
	61	-33	-34	-22	-29	88	31	*
	61	-34	-34	-21	-28	88	31	59
	61	-31	-30	-22	-29	88	31	60
	61	-28	-29	-22	-29	87	33	60
	61	-28	-29	-24	-28	86	22	60
	61	-27	-27	-24	-26	*	*	*
	61	-26	-26	-24	-26	80	25	60
	59	-25	-24	-26	-14	76	31	61
	58	-20	-21	-27	-9	75	21	59
	57	-14	-14	-27	-6	72	33	60
	*	*	*	*	*	*	*	*
	56	-4	-5	-28	1	69	25	60
	55	0	-2	-28	3	*	31	60
	55	2	1	-28	3	65	31	60
	54	5	4	-29	4	67	26	62
	*	8	6	-29	5	64	30	62
	53	10	8	-28	5	64	24	60
	53	13	10	-27	5	64	34	59
	51	15	13	-26	6	63	23	61
	51	17	15	-24	6	*	23	60
	51	19	18	-23	6	*	27	59
	50	21	19	-22	*	*	*	*
	50	23	22	-21	6	*	22	62
	50	24	23	-19	6	*	30	60
	50	26	24	-18	6	66	31	61
	49	27	26	-17	7	59	31	61

2

CN	5-12 ENG.2 N.G.B. OIL COOLER INLET DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET OEG.C	5-17 MAIN G.BOX OIL COOLER OUTLET DEG.C
191	*	41	40	49	29	27
192	60	46	44	47	30	28
193	64	49	46	47	32	29
194	68	52	49	46	32	31
195	69	55	51	46	34	31
196	71	57	53	46	35	33
197	*	*	*	*	36	33
198	74	62	57	46	37	34
199	73	63	59	45	38	36
200	75	65	60	45	39	36
201	75	66	61	43	40	38
202	76	68	62	43	41	39
203	*	*	64	43	43	40
204	78	71	67	43	44	41
205	79	73	68	41	45	42
206	80	75	67	41	46	42
207	79	77	67	40	47	43
208	80	77	67	40	48	44
209	81	77	69	39	49	45
210	81	78	68	39	*	*
211	82	79	67	38	51	46
212	82	78	67	38	52	47
213	82	80	66	38	53	49
214	83	80	66	37	54	50
215	84	80	65	37	55	50
216	83	80	64	36	57	50
217	85	79	64	36	59	51
218	86	79	64	35	60	51
219	85	81	64	34	60	51
220	81	80	64	35	61	51
221	87	80	64	34	62	53
222	86	81	64	34	63	53
223	88	81	66	35	65	54
224	87	82	66	*	*	*
225	86	83	66	33	67	55
226	88	84	65	33	70	54
227	89	83	66	33	71	54
228	90	83	66	33	72	54
229	90	84	66	33	73	55
230	87	84	66	33	74	54
231	90	83	66	31	76	55
232	90	83	67	*	*	*
233	89	82	66	33	75	56
234	88	82	64	33	75	55
235	86	80	64	33	74	55
236	83	79	64	32	74	56
237	83	79	64	33	73	54
238	82	78	64	34	73	55
239	83	78	64	34	73	56
240	82	78	65	34	72	56

-14	5-15	5-16	5-17	5-18	5-19	5-20	5-21	5-22
.2	ACCESS	MAIN	MAIN	INTER.	TAIL	GEN.	FUEL	ELECT.
IL	GEAR	G.BOX	G.BOX	GEAR	GEAR	MASS	TEMP.	COMPRT
ER	BOX	OIL	OIL	BOX	BOX	TEMP	TO	NO.1
ET	OIL	COOLER	COOLER	OIL	OIL		COMBST	TEMP
IL	TEMP	INLET	OUTLET	TEMP	TEMP		HEATER	
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.F	DEG.F	DEG.F
0	49	29	27	-15	6	63	32	61
4	47	30	28	-14	8	60	29	63
6	47	32	29	-13	8	*	35	62
9	46	32	31	-12	7	60	24	61
1	46	34	31	-11	8	60	33	62
3	46	35	33	-13	7	*	45	60
*	*	36	33	-10	7	58	26	60
7	46	37	34	-8	8	58	29	61
9	45	38	36	-8	8	59	37	63
0	45	39	36	-7	8	59	31	62
1	43	40	38	-7	9	*	31	62
2	43	41	39	-6	8	58	31	63
4	43	43	40	-5	8	86	21	63
7	43	44	41	-4	9	57	29	63
8	41	45	42	-4	7	54	27	65
7	41	46	42	-4	7	53	13	64
7	40	47	43	-3	7	50	17	64
7	40	48	44	-4	8	51	22	64
9	39	49	45	-4	8	52	29	64
8	39	*	*	*	*	*	*	*
7	38	51	46	-3	9	49	26	66
7	38	52	47	-3	9	51	17	65
6	38	53	49	-3	10	50	19	63
6	37	54	50	-3	10	49	15	64
5	37	55	50	-2	10	49	24	65
4	36	57	50	-2	10	48	20	65
4	36	59	51	-4	10	*	*	*
4	35	60	51	-4	10	45	19	65
4	34	60	51	-3	10	48	24	65
4	35	61	51	-3	10	47	22	64
4	34	62	53	-3	11	48	21	66
4	34	63	53	-4	12	47	12	64
6	35	65	54	-3	12	45	21	63
6	*	*	*	*	*	*	*	*
6	33	67	55	-2	12	47	19	63
5	33	70	54	-3	12	46	25	64
6	33	71	54	-3	12	45	20	65
6	33	72	54	-3	13	47	26	64
6	33	73	55	-2	13	47	21	63
6	33	74	54	-3	13	45	31	63
6	31	76	55	-2	14	47	19	64
7	*	*	*	*	*	*	*	*
6	33	75	56	-2	15	47	17	64
4	33	75	55	-1	14	47	31	65
4	33	74	55	-1	15	47	21	64
4	32	74	56	-2	15	49	29	65
4	33	73	54	-0	15	49	25	63
4	34	73	55	-1	12	50	22	56
4	34	73	56	-1	11	53	22	56
5	34	72	56	-1	11	53	23	52

CN	5-12 ENG.2 N.G.B. OIL COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET DEG.C	5-17 MAI G.BO OI COOLE OUTLE DEG.
241	*	77	63	33	72	55
242	82	77	64	32	71	*
243	82	77	63	33	71	55
244	81	76	63	32	71	55
245	81	77	62	34	71	56
246	80	77	63	33	70	56
247	81	77	66	32	71	56
248	78	74	69	29	70	56
249	76	70	69	27	69	56
250	74	70	67	26	69	54
251	*	*	67	23	68	55
252	72	66	66	21	68	56

5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET DEG.C	5-17 MAIN G.BOX OIL COOLER OUTLET DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN. MASS TEMP DEG.F	5-21 FUEL TEMP. TO COMBST HEATER DEG.F	5-22 ELECT. COMPRT NO.1 TEMP DEG.F
33	72	55	1	12	53	21	49
32	71	*	*	*	*	*	*
33	71	55	3	13	51	22	46
32	71	55	2	15	52	22	46
34	71	56	3	14	54	22	43
33	70	56	2	14	53	22	41
32	71	56	3	16	55	23	42
29	70	56	6	16	53	24	42
27	69	56	8	16	54	23	41
26	69	54	9	15	57	24	41
23	68	55	9	15	58	24	42
21	68	56	*	*	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
13 MAY 70
-45 DEG.F. RUN NO. 15
TAPE 086 1 FILE

CN	S-23 ELECT. COMPRT NO.2 TEMP DEG.F	S-24 ELECT. COMPRT NO.3 TEMP DEG.F	S-25 ELECT. COMPRT NO.4 TEMP DEG.F	S-26 ELECT. COMPRT NO.5 TEMP DEG.F	S-27 ELECT. COMPRT NO.6 TEMP DEG.F	S-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.F
0	-47	-47	-47	-47	-47	-44
1	-49	-49	-48	-49	-48	-44
2	-49	-49	-47	-48	-48	-43
3	-47	-48	-47	-48	-48	-45
4	-48	-49	-48	-48	-47	-44
5	-49	-49	-48	-48	-47	-43
6	-48	-49	-48	-48	-47	-44
7	-48	-49	-48	-49	-47	-43
8	-49	-49	-49	-49	-48	-45
9	-49	-49	-48	-49	-48	-43
10	-48	-48	-47	-48	-46	-43
11	-47	-49	-47	-47	-47	-43
12	-47	-47	-47	-47	-47	-43
13	-49	-49	-48	-49	-47	-44
14	-48	-49	-47	-48	-49	-43
15	-49	-49	-47	-47	-49	-44
16	-49	-49	-46	-49	-47	-44
17	-47	-49	-47	-48	-46	-46
18	-48	-49	-47	-49	-46	-44
19	-48	-49	-46	-49	-46	-43
20	-49	-49	-46	-47	-45	-45
21	-49	-48	-45	-46	-46	-45
22	-47	-47	-46	-46	-46	-43
23	-47	-48	-46	-47	-46	-45
24	-47	-47	-44	-47	-43	-44
25	-47	-49	-44	-48	-44	-43
26	-47	-47	-44	-46	-43	-43
27	-47	-46	-43	-46	-42	-44
28	-48	-47	-44	-46	-43	-44
29	-47	-47	-44	-46	-41	-44
30	-47	-47	-43	-46	-42	*
31	-47	-47	-42	-45	-42	-43
32	-47	-47	-42	-45	-41	-43
33	*	*	*	*	*	*
34	-46	-46	-41	-45	-41	-43
35	-46	-46	-40	-45	-40	-43
36	-46	-46	-42	-44	-40	-44
37	-46	-46	-42	-44	-40	-44
38	-46	-47	-40	-44	-39	-43
39	-46	-46	-40	-43	-39	-43
40	-46	-45	-41	-44	-38	-43

CN	5-23 ELECT. COMPRT NO.2 TEMP DEG.F	5-24 ELECT. COMPRT NO.3 TEMP DEG.F	5-25 ELECT. COMPRT NO.4 TEMP DEG.F	5-26 ELECT. COMPRT NO.5 TEMP DEG.F	5-27 ELECT. COMPRT NO.6 TEMP DEG.F	5- L.MA FU CE 1/3L TE DEG
41	-46	-46	-40	-43	-37	-4
42	-45	-46	-39	-43	-37	-4
43	-46	-45	-37	-43	-38	-4
44	-44	-44	-39	-42	-37	-4
45	-45	-45	-37	-42	-37	-4
46	-43	-45	-38	*	*	
47	-44	-44	-36	-41	-36	-4
48	-43	-44	-37	-41	-36	-4
49	*	-45	-35	-40	-34	-4
50	-43	-43	-34	-40	-34	-4
51	-43	-43	-35	-40	-34	-4
52	-42	-43	-34	-40	-34	-4
53	-42	-44	-36	-40	-32	-4
54	-43	-44	-34	-40	-32	-4
55	-42	-44	-34	-40	-32	-4
56	-43	-43	-33	-39	-31	-4
57	-42	-43	-32	-38	-32	-4
58	-42	-43	-32	-38	-31	-4
59	*	-43	-32	-38	-30	-4
60	-41	-43	-32	-38	-29	-4
61	-41	-41	-31	-37	-30	-4
62	-40	-42	-31	-38	-30	-4
63	-41	-42	-31	-37	-28	-4
64	-40	-42	-31	-37	-28	-4
65	-40	-40	-29	-37	-28	-4
66	*	*	*	*	*	
67	-40	-40	-29	-37	-27	-4
68	-39	-41	-28	-35	-28	-4
69	-39	-40	-28	-35	-26	-4
70	-38	-40	-28	-35	-25	-4
71	-37	-39	-27	-35	-25	-4
72	-38	-40	-27	-34	-23	-4
73	*	*	*	*	*	
74	-37	-38	-28	-34	-26	-4
75	-36	-37	-29	-34	-22	-4
76	-36	-38	-28	-34	-25	-4
77	-37	-38	-26	-34	-22	-4
78	-37	-37	-26	-34	-25	-4
79	-37	-38	-25	-33	-24	-4
80	*	*	*	-33	-25	-4
81	-35	-37	-23	-32	-22	-4
82	-35	-37	-24	-31	-23	-4
83	-34	-37	-23	-32	-21	-4
84	-34	-36	-23	-32	-22	-4
85	-34	-37	-22	-30	-22	-4
86	-34	-36	-21	-31	-22	-4
87	-34	-37	-21	-31	-21	-4
88	-34	-36	-21	-30	-20	-4
89	-32	-35	-22	-29	-20	-4
90	-28	-23	-10	-26	-2	-4

CN	S-23 ELECT. COMPRT NO.2 TEMP DEG.F	S-24 ELECT. COMPRT NO.3 TEMP DEG.F	S-25 ELECT. COMPRT NO.4 TEMP DEG.F	S-26 ELECT. COMPRT NO.5 TEMP DEG.F	S-27 ELECT. COMPRT NO.6 TEMP DEG.F	S-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.F
91	*	-17	0	-24	9	-43
92	-20	-12	3	-20	12	-42
93	-15	-9	8	-19	17	-42
94	-12	-6	11	-17	20	-43
95	*	*	*	*	*	*
96	-8	-3	17	-15	25	-42
97	-7	-2	20	-14	28	-41
99	-6	-1	21	-13	29	-42
99	-5	0	25	-12	*	*
[illegible]	-3	1	26	-9	31	-42
[illegible]	-2	2	27	-8	32	-42
102	0	4	29	-8	38	-42
[illegible]	1	6	29	-7	35	-42
[illegible]	2	8	30	-7	37	-43
[illegible]	3	9	31	-6	37	-43
[illegible]	5	9	33	-6	40	-43
[illegible]	5	9	35	-5	40	-43
[illegible]	6	11	33	-3	41	-43
[illegible]	6	11	33	-3	41	-41
[illegible]	7	12	36	-2	41	-42
111	8	12	37	0	42	-43
112	9	14	37	0	43	-42
113	10	14	37	0	43	-43
[illegible]	10	15	39	0	44	-43
[illegible]	12	15	*	*	*	*
116	12	17	41	2	47	-41
117	13	18	40	2	47	-42
118	12	18	42	3	48	-42
[illegible]	*	*	*	*	*	*
[illegible]	13	19	42	3	49	-43
[illegible]	16	19	42	5	48	-42
[illegible]	16	19	43	5	49	-43
[illegible]	17	21	44	5	50	-42
124	17	21	44	5	51	-42
125	17	21	45	7	49	-42
126	17	22	46	6	53	-43
127	17	23	47	8	50	-43
[illegible]	19	24	46	8	51	-42
[illegible]	19	23	46	9	50	-43
130	19	24	47	8	52	-42
131	20	24	48	10	54	-42
[illegible]	*	*	*	*	*	*
133	19	24	47	10	51	-42
[illegible]	20	25	47	11	55	-42
[illegible]	21	25	49	12	56	-42
[illegible]	21	25	49	11	54	-41
137	21	26	49	10	53	-42
138	22	25	51	11	53	-41
139	23	26	50	11	56	-42
[illegible]	23	27	51	13	56	-42

CN	5-23 ELECT. COMPRT NO.2 TEMP DEG.F	5-24 ELECT. COMPRT NO.3 TEMP DEG.F	5-25 ELECT. COMPRT NO.4 TEMP DEG.F	5-26 ELECT. COMPRT NO.5 TEMP DEG.F	5-27 ELECT. COMPRT NO.6 TEMP DEG.F	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.F
141	*	*	*	*	*	*
142	24	27	51	15	54	-41
143	24	29	51	14	57	-41
144	24	28	52	14	59	-42
145	24	29	51	15	59	-42
146	25	30	50	14	55	-42
147	25	31	52	15	56	-42
148	26	30	51	14	57	-43
149	25	31	52	15	59	-42
150	26	31	51	17	56	-43
151	26	31	51	17	56	-43
152	26	32	53	17	59	-41
153	26	31	52	17	59	-42
154	26	31	51	17	57	-41
155	*	*	*	*	*	*
156	28	31	54	19	57	-42
157	27	32	55	18	59	-41
158	28	32	54	20	59	-42
159	28	33	53	19	59	-42
160	*	*	*	*	*	*
161	29	33	56	20	60	-42
162	29	34	53	21	59	-41
163	30	34	55	19	59	-41
164	31	33	56	20	60	-41
165	*	*	*	*	*	*
166	31	34	54	21	59	-42
167	31	34	56	20	60	-41
168	31	35	56	19	62	-42
169	31	33	56	20	60	-42
170	*	*	*	*	*	*
171	32	35	56	21	59	-42
172	33	35	57	20	61	-42
173	31	35	56	21	62	-42
174	31	35	55	21	61	-42
175	*	34	56	22	63	-42
176	34	37	57	21	63	-42
177	33	35	56	22	62	-42
178	33	35	55	22	62	-42
179	33	35	57	23	62	-42
180	33	34	57	22	62	-42
181	35	35	56	22	64	-42
182	34	35	56	23	63	-42
183	35	35	58	24	63	-42
184	35	35	56	24	63	-42
185	35	36	56	23	63	-42
186	*	*	*	*	*	-41
187	34	36	59	24	63	-41
188	35	35	59	24	65	-42
189	35	35	56	26	65	-42
190	36	37	56	26	64	-42

CN	5-23 ELECT. COMPRT NO.2 TEMP DEG.F	5-24 ELECT. COMPRT NO.3 TEMP DEG.F	5-25 ELECT. COMPRT NO.4 TEMP DEG.F	5-26 ELECT. COMPRT NO.5 TEMP DEG.F	5-27 ELECT. COMPRT NO.6 TEMP DEG.F	5-2 L.MAI FUE CEL 1/3LV TEM DEG.
191	35	37	59	26	64	-42
192	36	36	*	*	*	*
193	36	35	56	26	64	-42
194	36	35	57	26	63	-43
195	37	36	60	25	64	-41
196	36	38	56	26	62	-40
197	37	37	56	24	66	-41
198	36	36	57	26	64	*
199	36	35	58	26	65	-4
200	35	36	58	26	65	-4
201	36	37	59	27	63	-4
202	36	35	57	27	67	-4
203	38	37	59	26	65	-4
204	37	38	*	*	*	*
205	38	39	52	27	63	-4
206	37	39	53	28	66	-4
207	40	41	52	27	66	-4
208	38	38	53	26	64	-4
209	36	39	53	26	66	-4
210	*	*	52	27	65	-4
211	38	38	51	25	65	-4
212	38	39	51	25	65	-4
213	39	41	50	26	64	-4
214	38	39	50	26	66	-4
215	39	40	49	26	67	-4
216	38	40	51	26	67	-4
217	*	*	*	*	*	
218	37	40	51	24	65	-4
219	37	40	52	25	65	-4
220	38	40	50	27	64	-4
221	37	40	50	26	67	-4
222	38	41	48	24	66	-4
223	37	41	49	26	64	-4
224	*	40	51	25	65	-4
225	37	40	49	26	65	-4
226	37	40	51	25	64	-4
227	36	40	51	24	67	-4
228	35	41	51	25	67	-4
229	36	40	49	28	66	-4
230	36	40	50	27	66	-4
231	37	39	51	27	67	-4
232	*	40	52	28	65	-4
233	37	39	53	26	65	-4
234	37	39	56	27	63	-4
235	38	39	55	27	59	-4
236	39	40	58	26	60	-4
237	38	39	55	28	60	-4
238	35	35	47	31	56	-4
239	33	34	46	31	53	-4
240	31	31	44	31	52	-4

CN	5-23 ELECT. COMPRT NO.2 TEMP DEG.F	5-24 ELECT. COMPRT NO.3 TEMP DEG.F	5-25 ELECT. COMPRT NO.4 TEMP DEG.F	5-26 ELECT. COMPRT NO.5 TEMP DEG.F	5-27 ELECT. COMPRT NO.6 TEMP DEG.F	5-29 L.MAIN FUEL CELL 1/3LVL TEMP DEG.F
241	31	29	41	31	50	-42
242	*	*	*	31	48	-42
243	28	29	39	31	48	-42
244	28	28	39	31	47	-41
245	28	27	37	31	44	-41
246	26	26	37	30	42	-41
247	26	24	35	30	42	-41
248	26	24	37	29	40	-43
249	24	23	37	26	38	-42
250	23	21	37	25	34	-42
251	23	19	36	24	33	-42
252	*	*	*	*	33	-42

HH-53C LOW SPEED - CLIMATIC
HANGAR (ECLIN A.F.B.)
13 MAY 70
-45 DEG.F. RUN NO. 15
TAPE 286 1 FILE

CN	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F
1	0	33	-47
2	0	41	-47
3	0	50	-47
4	1	1	-47
5	1	17	-47
6	1	50	-48
7	2	9	-47
8	2	29	-47
9	2	49	-47
10	3	9	-47
11	3	28	-46
12	3	48	-46
13	4	8	-47
14	4	27	-47
15	4	47	-49
16	5	7	-47
17	5	27	-47
18	5	46	-47
19	6	6	-47
20	6	24	-48
21	6	46	-48
22	7	5	-47
23	7	25	-46
24	7	45	-46
25	8	4	-46
26	8	24	-47
27	8	44	*
28	9	3	-47
29	9	23	-47
30	*	*	*
31	10	1	-46
32	10	22	-47
33	10	42	-46
34	11	2	-46
35	11	21	-45
36	11	41	-45
37	12	1	-46
38	12	20	-47
39	12	40	-47
40	13		-46

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6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F	6-07 ENG.1 BOOST PUMP OUTPUT TEMP DEG.F	6-08 ENG.1 BLEED AIR TEMP DEG.F	6-09 ENG.1 LORD ISOL. MOUNT AFT IN DEG.F	6-10 ENG.1 LORD ISOL. MOUNT AFTOUT DEG.F	6-11 ENG.2 LORD ISOL. MOUNT AFT IN DEG.F
-47	-49	-47	-41	-46	-47	-48
-47	-49	-47	-42	-47	-46	-49
-47	-49	-47	-42	-47	-47	-49
-47	-50	-47	-42	-47	-47	-48
-47	-49	-48	-42	-47	-47	-49
-48	-49	-47	-42	-47	-48	-49
-47	-49	-46	-42	-46	-48	-48
-47	-49	-48	-43	-48	-47	-49
-47	-50	-47	-42	-48	-46	-49
-47	-49	-48	-42	-46	-47	-47
-46	-49	-47	-41	-46	-47	-47
-46	-49	-46	-43	-46	-47	-48
-47	-49	-47	-43	-47	-49	-49
-47	-49	-47	-42	-48	-48	-47
-49	-49	-47	-43	-48	-48	-47
-47	-49	-48	-42	-47	-49	-49
-47	-49	-47	-43	-48	-48	-49
-47	-50	-47	-42	-48	-49	-49
-47	-49	-47	-42	-47	-47	-49
-48	-49	-47	-41	-47	-47	-49
-48	-49	-48	-41	-47	-47	-49
-47	-49	-47	-40	-47	-47	-47
-46	-48	-49	-43	-47	-47	-49
-46	-49	-46	-42	-47	*	*
-46	-49	-47	-41	-47	-48	-47
-47	-49	-46	-41	-46	-47	-49
*	*	*	*	*	*	*
-47	-49	-47	-42	-47	-47	-49
-47	-49	-47	-42	-47	-47	-47
*	*	-48	-43	-46	-48	-48
-46	-49	-47	-43	-47	-47	-47
-47	-50	-47	-43	-47	-48	-47
-46	-49	-47	-41	-47	-47	-49
-46	-49	-47	-43	-47	-47	-47
-45	-49	-47	-41	-47	-47	-48
-46	-47	-46	-43	-47	-47	-48
-46	-48	-46	-43	-46	-47	-47
-47	-49	-46	-43	-47	-47	-47
-47	-47	-46	-41	-47	-47	-47
-46	-47	-46	-41	-46	-46	-47

CN	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F
41	13	20	-44	-47
42	13	39	-46	-47
43	13	59	-45	-47
44	14	19	-46	-48
45	14	38	-45	-47
46	*	*	*	*
47	15	18	-45	-49
48	15	37	-44	-47
49	15	57	-46	-46
50	16	17	-43	-45
51	16	36	-44	-44
52	16	56	-45	-45
53	17	16	-44	-44
54	17	35	-43	-43
55	17	55	-43	-43
56	*	*	*	*
57	18	34	-43	-41
58	18	54	-43	-42
59	19	14	-42	-40
60	19	33	-41	-40
61	19	53	-40	-42
62	20	13	-40	-42
63	20	32	-38	-40
64	20	52	-39	-40
65	21	12	-39	-40
66	21	31	-37	-39
67	21	51	-36	-37
68	22	11	-36	-37
69	22	30	-34	-38
70	22	50	-35	-37
71	23	10	-34	-38
72	23	29	-34	-35
73	23	49	-32	-37
74	24	9	-31	-36
75	24	28	-31	-37
76	24	48	-31	-35
77	25	8	-31	-37
78	25	27	-31	-37
79	25	47	-31	-37
80	26	7	-30	-34
81	26	26	-29	-37
82	26	46	-29	-37
83	27	6	-29	-37
84	*	*	*	*
85	27	45	-28	-34
86	28	5	-29	-36
87	28	24	-28	-34
88	28	44	-28	-34
89	29	4	-28	-35
90	29	24	-27	-34

03 ME EC.	6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F	6-07 ENG.1 BOOST PUMP OUTPUT TEMP DEG.F	6-08 ENG.1 BLEED AIR TEMP DEG.F	6-09 ENG.1 LORD ISOL. MOUNT AFT IN DEG.F	6-10 ENG.1 LORD ISOL. MOUNT AFTOUT DEG.F	6-11 ENG.2 LORD ISOL. MOUNT AFT IN DEG.F
20	-44	-47	-47	-40	-46	-46	-47
9	-46	-47	-46	-40	-46	-47	-46
9	-45	-47	-46	*	*	*	*
9	-46	-48	-46	-40	-46	-46	-47
8	-45	-47	-46	-40	-44	-46	-47
*	*	*	-45	-39	-46	-46	-46
8	-45	-49	-45	-38	-46	-46	-47
7	-44	-47	-46	-40	-46	-46	-46
7	-45	-46	-44	-40	-45	-45	-47
7	-43	-45	-45	-40	-46	-45	-46
5	-44	-44	-45	-40	-46	-46	-46
6	-45	-45	-45	-40	-46	-46	-46
6	-44	-44	-46	-40	-46	-46	-47
5	-43	-43	-45	-39	-46	-46	-46
5	-43	-43	-45	-38	-46	-46	-46
*	*	*	*	*	*	-45	-46
4	-43	-41	-45	-39	-45	-46	-46
4	-43	-43	-44	-38	-46	-46	-46
4	-43	-40	-43	-38	-45	-45	-46
3	-41	-40	-44	-39	-44	-44	-46
3	-40	-42	-43	-38	-45	-43	-46
3	-40	-42	-42	-38	-45	-45	-46
2	-38	-40	-43	-39	-45	*	*
2	-39	-40	-42	-37	-45	-45	-45
2	-39	-40	-42	-38	-45	-45	-45
1	-37	-39	-42	-37	-46	-45	-45
:	-36	-37	-43	-38	-44	-45	-44
1	-36	-37	-42	-37	-45	-44	-45
0	-34	-38	-41	-37	-44	-44	-43
0	-35	-37	-40	-36	-43	-43	-45
0	-34	-38	-42	-36	-45	-43	-44
9	-34	-35	-40	-37	-44	-42	-44
9	-32	-37	-40	-37	-44	-43	-43
9	-31	-36	-39	-36	-45	-42	-45
8	-31	-37	-38	-35	-43	-43	-44
8	-31	-35	-40	-35	-43	-43	-45
8	-31	-37	-39	-34	-43	-43	*
7	-31	-37	-40	-34	-43	-41	-44
7	-31	-37	-40	-35	-44	-43	-43
7	-30	-34	-38	-35	-43	-43	-44
6	-29	-37	-40	-35	-44	-43	-43
6	-29	-37	-40	-35	-43	-42	-43
6	-29	-37	-39	-34	-43	-41	-43
*	*	*	*	*	*	*	*
5	-28	-34	-39	-34	-43	-43	-43
5	-29	-36	-37	-34	-43	-43	-43
4	-29	-34	-39	-34	-43	-43	-43
4	-28	-34	-37	-34	-43	-42	-43
4	-28	-35	-38	-34	-42	-41	-43
4	-27	-34	-36	-34	-43	-42	-43

CN	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F
91	29	43	-28	-36
92	30	3	-27	-34
93	30	23	-28	-34
94	30	42	-27	-34
95	31	2	-25	-34
96	31	22	-27	-33
97	31	41	-26	-34
98	32	1	-26	-34
99	*	*	*	*
100	32	40	-27	-33
101	33	0	-26	-34
102	33	20	-26	-32
103	*	*	*	*
104	33	59	-25	-34
105	34	19	-25	-32
106	34	39	-25	-32
107	*	*	*	*
108	35	18	-26	-31
109	35	38	-25	-31
110	35	57	-22	-31
111	*	*	*	*
112	36	37	-17	-34
113	36	57	-15	-34
114	37	16	-13	-34
115	*	*	-10	-32
116	37	56	-9	-31
117	38	15	-8	-31
118	38	35	-6	-32
119	38	55	-5	-32
120	39	14	-6	-33
121	39	34	-6	-32
122	39	54	-5	-31
123	40	13	-6	-31
124	40	33	-6	-32
125	40	53	-6	-31
126	41	12	-6	-33
127	41	32	-6	-32
128	41	52	-4	*
129	42	11	-4	-32
130	42	31	-4	-32
131	42	51	-5	-32
132	*	8	-3	-33
133	43	30	-6	-32
134	43	50	-5	-31
135	44	10	-4	-32
136	44	29	-5	-31
137	44	49	-4	-33
138	45	9	-2	-31
139	45	28	-3	-31
141	45	48	-4	-32

C3 ME C.	6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F	6-07 ENG.1 BOOST PUMP OUTPUT TEMP DEG.F	6-08 ENG.1 BLEED AIR TEMP DEG.F	6-09 ENG.1 LORD ISOL. MOUNT AFT IN DEG.F	6-10 ENG.1 LORD ISOL. MOUNT AFTOUT DEG.F	6-11 ENG.2 LORD ISOL. MOUNT AFT IN DEG.F
3	-28	-36	-37	-33	-43	-40	-43
3	-27	-34	-37	-31	-42	-41	-43
3	-28	-34	-34	-31	-42	-41	-43
2	-27	-34	-36	-31	-41	-40	-42
2	-25	-34	-36	-31	-42	-40	-42
2	-27	-33	-36	-31	-40	-40	-42
1	-26	-34	-37	-31	-42	-40	-42
1	-26	-34	-37	-32	-42	-40	-43
*	*	*	*	-31	-42	-40	-43
0	-27	-33	-35	-32	-41	-40	-43
0	-26	-34	-37	-32	-41	-40	-41
0	-26	-32	-35	-32	-41	-40	-42
*	*	*	*	*	*	*	-43
9	-25	-34	-34	-31	-40	-39	-43
9	-25	-32	-35	-31	-41	-39	-43
9	-25	-32	-36	-31	-40	-40	-41
*	*	*	*	*	61d	-40	-41
8	-26	-31	-33	-30	-40	-39	-41
8	-25	-31	-27	-31	-40	-39	-42
7	-22	-31	-12	-29	-40	-39	-42
*	*	*	*	*	-40	-38	-41
7	-17	-34	-18	-28	-40	-38	-40
7	-15	-34	-20	-29	-39	-38	-40
6	-13	-34	-25	-28	-40	-39	-40
*	-10	-32	-27	-28	-39	-38	-40
6	-9	-31	-26	-29	-38	-38	-40
5	-8	-31	-28	-26	-38	-38	-39
5	-6	-32	-29	-28	-38	-38	-40
5	-5	-32	-31	-27	-39	-37	-39
4	-6	-33	-31	-26	-37	-37	-40
4	-6	-32	-30	-27	-37	-37	-40
4	-5	-31	-31	-25	-38	-37	-40
3	-6	-31	-32	-26	-37	-37	-40
3	-6	-32	-31	-25	-38	-37	-40
3	-6	-31	-31	-23	-37	-37	-39
2	-6	-33	-31	-24	-37	-37	-40
2	-6	-32	-31	-22	-37	-37	-39
2	-4	*	*	*	*	*	*
1	-4	-32	-31	-21	-37	-36	-40
1	-4	-32	-29	-21	-35	-36	-40
1	-5	-32	-29	-18	-37	-36	-39
0	-3	-33	-29	-18	-36	-36	-39
0	-6	-32	-28	-16	-36	-36	-39
0	-5	-31	-28	-16	-36	-35	-39
0	-4	-32	-29	-15	-36	-36	-39
9	-5	-31	-27	-15	-35	-35	-38
9	-4	-33	-27	-13	*	*	*
9	-2	-31	-28	-15	-35	-34	-40
8	-3	-31	-27	-13	-34	-34	-39
8	-4	-32	-26	-12	-34	-34	-38

2

CN	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F
141	46	8	-2	-31
142	46	27	-2	-31
143	46	47	-3	-31
144	47	7	-4	-32
145	47	26	-2	-32
146	1699	*	*	*
147	48	6	-4	-32
148	48	25	-5	-31
149	48	45	-4	-31
151	49	5	-4	-33
151	49	24	-4	-31
152	49	44	-3	-31
153	50	4	-2	-32
154	50	23	-6	-31
155	50	43	-4	-31
156	51	3	-4	-32
157	51	22	-4	-31
158	51	42	-3	-31
159	52	2	-4	-32
160	*	19	-4	-31
161	52	41	-4	-32
162	53	0	-4	-32
163	53	20	-4	-31
164	53	40	-3	-30
165	53	59	-4	-32
166	54	19	-3	-31
167	54	39	1	-31
168	54	58	2	-32
169	55	18	2	-31
170	55	38	4	-31
171	55	57	5	-31
172	56	17	3	-30
173	56	36	0	-31
174	56	56	-2	-31
175	57	16	-5	-29
176	57	35	-6	-31
177	57	55	-6	-30
178	58	15	-7	-31
179	58	34	-6	-31
180	58	54	-6	-27
181	*	*	*	*
182	59	33	-6	-16
183	59	53	-7	-13
184	60	12	-6	-13
185	60	32	-6	-5
186	60	51	-6	-6
187	61	11	-7	-4
188	61	31	-4	-5
189	61	50	-3	-6
190	62	10	-4	-4

6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F	6-07 ENG.1 BOOST PUMP OUTPUT TEMP DEG.F	6-08 ENG.1 BLEED AIR TEMP DEG.F	6-09 ENG.1 LORD ISOL. MOUNT AFT IN DEG.F	6-10 ENG.1 LORD ISOL. MOUNT AFTOUT DEG.F	6-11 ENG.2 LORD ISOL. MOUNT AFT IN DEG.F
8	-2	-31	-26	-12	-34	-34	-38
27	-2	-31	-26	-9	-34	-34	-39
47	-3	-31	-26	-11	-34	-33	-39
7	-4	-32	-25	-1[illegible]	-33	-34	-37
26	-2	-32	-26	-9	-33	-34	-38
*	*	*	*	*	*	*	*
6	-4	-32	-27	-8	-32	-34	-38
25	-5	-31	-25	-8	-34	-34	-38
45	-4	-31	-25	-7	-33	-34	-38
5	-4	-33	-25	-6	-32	-33	-37
24	-4	-31	-26	-4	-32	-32	-38
44	-3	-31	-25	-5	-32	-32	-39
4	-2	-32	-24	-5	-32	-33	-39
23	-6	-31	-24	-5	-31	-32	-37
43	-4	-31	-24	-4	-31	-32	-38
3	-4	-32	-23	-3	-31	-32	-37
22	-4	-31	-23	-3	-32	-31	-37
42	-3	-31	-22	-2	-32	-31	-37
2	-4	-32	-23	-3	-29	-31	-38
19	-4	-31	-24	-1	-30	-31	-37
41	-4	-32	-22	-2	-31	-32	-37
0	-4	-32	-22	-2	-31	-31	-37
20	-4	-31	-22	1	-30	-31	-37
40	-3	-30	-22	0	-28	-30	-37
59	-4	-32	-22	0	-29	-31	-37
19	-3	-31	-18	1	-29	-30	-37
39	1	-31	-7	3	-29	-30	-36
58	2	-32	-9	1	-28	-31	-37
18	2	-31	-13	1	-29	-30	-37
38	4	-31	-18	1	-28	-28	-37
57	5	-31	-28	1	-28	-29	-36
17	3	-30	-32	-1	-28	-28	-37
36	0	-31	-35	1	-27	-30	-37
56	-2	-31	-35	-1	-27	-29	-37
16	-5	-29	-37	-2	-28	-29	-37
35	-6	-31	-37	-2	-28	-30	*
55	-6	-30	-37	-2	-28	-30	-37
15	-7	-31	-37	-2	-28	-29	-36
34	-6	-31	-37	1	-28	-29	-37
54	-6	-27	-36	-2	-26	-29	-36
*	*	*	*	*	*	*	-35
33	-6	-16	-35	-3	-27	-28	-35
53	-7	-13	-36	-2	-27	-28	-34
12	-6	-13	-36	-1	-26	-28	-34
32	-6	-5	-37	-1	-27	-28	-34
51	-6	-6	-37	0	-27	-28	-34
11	-7	-4	-37	1	-25	-28	-34
31	-4	-5	-37	2	-27	-27	-32
50	-3	-6	-34	1	-26	-28	-34
10	-4	-4	-36	1	-25	-27	-32

CN	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG. 1 FUEL CONTRL OUTPUT TEMP DEG. F	6- ENG FU CONT CUTP TE DEG
191	62	29	-2	-
192	*	*	-2	-
193	63	9	-2	-
194	63	28	-3	-
195	63	48	1	-
196	64	7	1	-
197	64	27	1	-
198	*	*	*	
199	65	6	1	-
200	65	26	2	
201	65	45	6	
202	66	6	5	
203	66	25	1	
204	*	*	-2	-
205	67	4	-3	-
206	67	24	-4	-
207	67	43	-4	-
208	68	3	-4	-
209	68	22	-4	-
210	68	42	-6	-
211	69	2	-5	-
212	69	21	-6	-
213	69	41	-8	-1
214	70	0	-6	-1
215	70	20	-9	-1
216	70	40	-8	-1
217	70	59	-8	-1
218	71	19	-10	-1
219	71	39	-8	-1
220	71	58	-8	-1
221	72	18	-8	-1
222	72	38	-8	-
223	72	57	-10	-1
224	73	17	-11	-1
225	*	*	*	
226	73	56	-10	-1
227	74	16	-8	-1
228	74	34	-8	-1
229	74	55	-6	-1
230	75	15	-10	-1
231	75	35	-4	-
232	75	54	-4	-
233	*	*	*	
234	76	14	1	-
235	76	33	2	
236	77	13	3	
237	77	33	7	
238	77	53	5	
239	78	13	9	
240	78	33	9	

6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F	6-07 ENG.1 BOOST PUMP OUTPUT TEMP DEG.F	6-08 ENG.1 BLEED AIR TEMP DEG.F	6-09 ENG.1 LORD ISOL. MOUNT AFT IN DEG.F	6-10 ENG.1 LORD ISOL. MOUNT AFTOUT DEG.F	6-11 ENG.2 LORD ISOL. MOUNT AFT IN DEG.F
29	-2	-6	-34	1	-25	-28	-31
*	-2	-4	-32	3	-25	-28	-31
9	-2	-5	-32	2	-25	-27	-31
28	-3	-3	-36	2	-25	-26	-31
48	1	-3	-34	3	-25	-26	-31
7	1	-4	-34	5	-24	-26	-31
27	1	-3	-34	5	-24	-27	-29
*	*	*	*	*	-25	-26	-30
6	1	-1	-2	6	-23	-25	-28
26	2	3	-15	6	-23	-25	-28
45	6	3	-23	4	-23	-25	-28
5	5	5	-29	5	-24	-25	-30
25	1	0	-33	5	-23	-25	-28
*	-2	-2	-36	3	-23	-24	-27
4	-3	-5	-37	5	-22	-25	-28
24	-4	-2	-36	1	-22	-24	-27
43	-4	-4	-34	5	-22	-22	-27
3	-4	-2	-34	4	-22	-22	-25
22	-4	-2	-34	5	-22	-22	-26
42	-6	-3	-35	5	-22	-22	-25
2	-5	-3	*	*	*	*	*
21	-6	-6	-36	10	-22	-21	-25
41	-8	-10	-38	9	-20	-20	-25
0	-6	-14	-37	9	-21	-20	-24
20	-9	-11	-37	10	-21	-20	-23
40	-8	-13	-37	10	-21	-18	-23
59	-8	-13	-37	8	-20	-18	-22
19	-10	-11	-37	5	*	*	*
39	-8	-13	-39	6	-20	-18	-22
58	-8	-12	-36	8	-20	-18	-22
18	-8	-12	-37	10	-18	-18	-21
38	-8	-9	-36	10	-18	-15	-21
57	-10	-11	-37	13	-18	-15	-20
17	-11	-12	-36	12	-18	-15	-20
*	*	*	*	*	*	*	*
56	-10	-13	-35	14	-17	-13	-19
16	-8	-14	-34	15	-17	-13	-18
34	-8	-14	-34	17	-16	-13	-18
55	-6	-13	-35	19	-15	-11	-18
15	-10	-11	-36	17	-16	-11	-16
35	-4	-8	-34	19	-15	-11	-17
54	-4	-6	-34	20	-14	-10	-18
*	*	*	*	*	*	-10	-17
34	1	-1	-31	23	-13	-9	-17
53	2	3	-31	23	-13	-8	-16
13	3	1	-31	24	-14	-8	-15
33	7	2	-30	23	-13	-8	-14
53	5	6	-31	24	-13	-6	-13
13	9	8	-31	24	-13	-6	-15
33	9	6	-29	23	-12	-6	-13

CN	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F
241	78	53	9	5
242	79	13	9	5
243	*	*	*	*
244	79	52	10	6
245	80	12	10	9
[illegible]	80	32	12	8
247	80	51	13	6
248	81	11	12	5
249	81	31	12	8
250	81	50	14	8
251	82	10	15	8
252	82	30	16	9

6-03 TIME SEC.	6-05 ENG.1 FUEL CONTPL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F	6-07 ENG.1 BOOST PUMP OUTPUT TEMP DEG F	6-08 ENG.1 BLEED AIR TEMP DEG.F	6-09 ENG.1 LORD ISOL. MOUNT AFT IN DEG.F	6-10 ENG.1 LORD ISOL. MOUNT AFTOUT DEG.F	6-11 ENG.2 LORD ISOL. MOUNT AFT IN DEG.F
53	9	5	-31	25	-12	-6	-13
13	9	5	-31	26	-12	-6	-14
*	*	*	*	*	*	-6	-13
52	10	6	-31	27	-11	-6	-12
12	10	9	-3[illegible]	3[illegible]	-11	-5	-11
32	12	8	-30	22	-11	-5	-11
51	13	6	-27	27	-9	-5	-12
11	12	5	-[illegible]	1[illegible]	-10	-5	-11
31	12	9	-[illegible]	33	-9	-5	-11
5[illegible]	14	8	-25	35	-9	-4	-11
1[illegible]	15	8	-23	28	-8	-4	-10
30	16	9	-22	2[illegible]	-8	-3	-11

HH-[illegible]C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
[illegible] MAY 70
[illegible]45 DEG.F. RUN NO. 15
TAP [illegible]86 1 FILE

CN	6-12 ENG.2 LOBO INLET SOL. MOUNT AFTOUT DEG.F	6-13 ENG.2 INLET LIP SURF. NO.1 DEG.F	6-14 ENG.2 INLET LIP SURF. NO.2 DEG.F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F
[illegible]	-45	-43	-45	-45	-46	-47
[illegible]	-45	-[illegible]	-45	-45	-47	-47
[illegible]	-45	-44	-45	-46	-46	-47
[illegible]	-45	-43	-45	-45	-47	-47
[illegible]	-45	-44	-45	-46	-47	-47
[illegible]	-45	-44	-45	-45	-46	-47
[illegible]	-45	-44	-45	-46	-46	-47
[illegible]	-46	-44	-45	-45	-47	-47
[illegible]	-47	-44	-46	-46	-46	-47
[illegible]	-46	-44	-44	-46	-46	-47
10	-48	-43	-44	-43	-44	-46
11	-47	-43	-43	-52	-46	-45
12	-47	-45	-45	-49	-44	-47
13	-46	-44	-46	-43	-47	-51
14	-46	-44	-44	-43	-45	-47
15	-50	-43	-45	-43	-44	-47
16	-49	-44	-44	-49	-43	-47
17	-46	-44	-46	-47	-49	-49
18	-46	-43	-45	-41	-47	-45
19	-45	-45	-44	-42	-47	-49
20	-44	-41	*	*	*	*
21	-46	-42	-43	-40	-43	-45
22	-46	-42	-43	-39	-44	-45
23	*	*	*	*	*	*
24	-43	-41	-43	-43	-43	-41
25	-45	-43	-42	-43	-40	-45
26	*	*	*	-43	-42	-38
27	-44	-40	-42	-39	-39	-40
28	-43	-38	-42	-40	-39	-4
29	-47	-37	-43	-40	-37	-43
30	-48	-38	-43	-37	-43	-39
31	-46	-38	-43	-40	-40	-37
32	-48	-37	-41	-37	-37	-39
33	-48	-36	-41	-37	-37	-37
34	-49	-37	-38	-37	-37	-37
35	-48	-36	-37	-40	-39	-34
36	-47	-35	-38	-34	-38	-37
37	-47	-36	-37	-39	-35	-35
38	-46	-35	-37	-34	-37	-34
39	-47	-35	-39	-37	-47	-32

6-14 ENG.1 INLET LIP SURF. NO.2 DEG.F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F	6-18 ENG.1 INLET LIP SURF. NO.6 DEG.F	6-19 ENG.1 INLET LIP SURF. NO.7 DEG.F	6-20 ENG.1 INLET LIP SURF. NO.8 DEG.F	6-21 ENG.1 COMPRT NO.1 TEMP DEG.F	6-22 ENG.1 COMPRT NO.2 TEMP DEG.F
-45	-46	-46	-47	-47	-47	-47	-44	-49
-45	-45	-47	-47	-47	-47	-47	-44	-49
-45	-46	-46	-47	-47	-48	-47	-45	-49
-46	-46	-47	-47	-48	-47	-47	-45	-49
-45	-46	-47	-47	-48	-47	-46	-45	-50
-45	-46	-46	-47	-47	-47	-49	-45	-49
-45	-46	-46	-47	-49	-48	-49	-44	-50
-45	-45	-47	-47	-48	-48	-47	-45	-49
-45	-46	-46	-47	-47	-48	-47	-45	-49
-44	-46	-46	-47	-47	-46	-47	-44	-49
-44	-43	-44	-46	-48	-47	-47	-44	-49
-43	-52	-46	-45	-44	-47	-46	-45	-49
-45	-49	-44	-47	-43	-47	-48	-44	-49
-46	-43	-47	-51	-43	-43	-47	-45	-49
-44	-43	-45	-47	-52	-43	-47	-45	*
-45	-43	-44	-47	-43	-43	-46	-45	-49
-46	-49	-43	-47	-52	-43	-47	-44	-49
-44	-47	-49	-45	*	*	*	*	*
-45	-41	-47	-45	-40	-47	-46	-44	-49
-44	-42	-47	-49	-42	-47	-46	-44	-48
*	*	*	*	*	*	*	*	*
-43	-40	-43	-41	-40	-40	-45	-43	-47
-43	-39	-44	-45	-41	-40	-43	-43	-47
*	*	*	*	*	*	-41	-43	-46
-43	-40	-43	-41	-41	-36	-42	-43	-46
-42	-40	-40	-45	-38	-40	-40	-43	-46
*	-40	-42	-38	-41	-37	-39	-42	-45
-41	-39	-39	-40	-37	-35	-40	-42	-44
-41	-40	-39	-40	-37	-34	-38	-43	-44
-40	-40	-37	-40	-34	-40	-37	-42	-44
-40	-37	-40	-39	-40	-35	-37	-41	-45
-40	-40	-40	-37	-41	-36	-37	-40	-43
-40	-37	-37	-39	-32	-40	-36	-40	-43
-40	-37	-37	-37	-32	-32	-36	-40	-43
-38	-37	-37	-37	-34	-29	-34	-40	-42
-37	-40	-39	-34	-37	-31	-36	-40	-41
-38	-34	-38	-37	-29	-34	-34	-39	-41
-37	-39	-35	-35	-29	-32	-32	-40	-41
-37	-34	-37	-34	-29	-32	-32	-40	-40
-38	-37	-37	-32	-28	*	*	*	*

CN	6-12 ENG.2 LOWD ISOL. MOUNT AFTOUT DEG.F	6-13 ENG.1 INLET LIP SURF. NO.1 DEG.F	6-14 ENG.1 INLET LIP SURF. NO.2 DEG.F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F
41	-47	-35	-37	-39	-33	-34
42	-47	-34	-37	-34	-37	-34
43	*	*	*	*	*	*
44	-47	-34	-35	-33	-32	-31
45	-47	-34	-36	-31	-32	-32
46	-46	-33	-36	-31	-31	-31
47	-47	-32	-34	-32	-32	-30
48	-47	-31	-35	-34	-33	-31
49	-47	-31	-34	-33	-30	-28
50	-47	-31	-34	-32	-30	-28
51	-47	-31	-33	-34	-32	-26
52	-47	-31	-34	-34	-31	-28
53	-46	-31	-32	-29	*	*
54	-47	-30	-31	-31	-29	-26
55	-47	-30	-31	-31	-30	-25
56	-47	-28	-32	-29	-30	-24
57	-46	-28	-31	-28	-27	-25
58	-46	-28	-31	-28	-28	-23
59	-46	-29	-31	-29	-27	-23
60	-46	-31	-31	-30	-32	-27
61	-46	-32	-32	-31	-31	-27
62	-46	-31	-32	-31	-31	-25
63	*	*	*	*	*	*
64	-46	-29	-31	-29	-30	-25
65	-46	-30	-31	-29	-30	-24
66	-46	-29	-31	-28	-26	-25
67	-46	-28	-31	-28	-25	-2
68	-46	-28	-29	-28	-26	-1
69	-45	-27	-29	-28	-25	-2
70	-45	*	*	*	*	*
71	-45	-26	-28	-26	-25	-21
72	-44	-27	-28	-25	-24	-22
73	-45	-30	-28	-26	-28	-23
74	-44	-29	-29	-27	-28	-22
75	-44	-29	-28	-26	-27	-22
76	-44	-28	-28	-26	-25	-22
77	*	*	*	*	*	*
78	-44	-27	-28	-25	-26	-21
79	-44	-25	-28	-25	-25	-20
80	-43	-26	-26	-25	-23	-20
81	-44	-25	-27	-24	-25	-20
82	-44	-25	-26	-24	-25	-20
83	-43	-25	-26	-23	-23	-20
84	-43	-25	-26	-24	-24	-20
85	-44	-25	-26	-24	-23	-19
86	-44	-24	-24	-23	-23	-19
87	-44	-25	-25	-23	-22	-19
88	-25	*	*	*	*	*
89	-43	-25	-25	-23	-22	-18
90	-41	-23	-25	-23	-24	-18

6-14	6-15	6-16	6-17	6-18	6-19	6-20	6-21	6-22
NG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NLET	INLET	INLET	INLET	INLET	INLET	INLET	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	LIP	LIP	NO.1	NO.2
URF.	SURF.	SURF.	SURF.	SURF.	SURF.	SURF.	TEMP	TEMP
NO.	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8		
EG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F
-37	-39	-33	-34	-28	-29	-32	-39	-41
-37	-34	-37	-34	-29	-32	-30	-37	-40
*	*	*	*	-29	-28	-30	-38	-40
-35	-33	-32	-31	-32	-28	-30	-37	-40
-36	-31	-32	-32	-26	-31	-29	-37	-38
-36	-31	-31	-31	-31	-28	-28	-36	-38
-34	-32	-32	-30	-30	-28	-27	-37	-37
-35	-34	-33	-31	-29	-26	-28	-35	-38
-34	-33	-30	-28	-27	-22	-25	-34	-37
-34	-32	-30	-28	-27	-24	-25	-34	-37
-33	-34	-32	-26	-23	-22	-25	-34	-37
-34	-34	-31	-28	-27	-22	-24	-34	-37
-32	-29	*	*	*	*	*	*	*
-31	-31	-29	-26	-23	-22	-22	-33	-37
-31	-31	-30	-25	-25	-20	-23	-32	-36
-32	-29	-30	-24	-25	-22	-22	-32	-35
-31	-28	-27	-25	-24	-20	-22	-31	-34
-31	-28	-28	-23	-23	-24	-22	-31	-36
-31	-29	-27	-23	-23	-20	-22	-31	-36
-31	-30	-32	-27	-25	-22	-25	-31	-37
-32	-31	-31	-27	-23	-22	-28	-32	-35
-32	-31	-31	-25	-25	-24	-25	-30	-36
*	*	*	*	*	-19	-25	-30	-34
-31	-29	-30	-25	-23	-23	-22	-30	-34
-31	-29	-30	-24	-25	-20	-22	-28	-32
-31	-28	-26	-25	-24	-20	-20	-27	-31
-31	-28	-25	-22	-23	-20	-22	-27	-31
-29	-28	-26	-23	-22	-17	-20	-27	-30
-29	-28	-25	-22	-21	-17	-20	-26	-31
*	*	*	*	*	*	*	*	*
-28	-26	-25	-21	-17	-18	-17	-25	-30
-28	-25	-24	-22	-18	-15	-18	-25	-31
-28	-26	-28	-23	-21	-17	-20	-25	-31
-29	-27	-28	-22	-22	-19	-20	-25	-31
-28	-26	-27	-22	-23	-18	-20	-24	-29
-28	-26	-25	-22	-21	-15	-21	-24	-30
*	*	*	*	*	*	-20	-24	-29
-28	-25	-26	-21	-19	-18	-18	-24	-29
-28	-25	-25	-20	-20	-15	-18	-22	-29
-26	-25	-23	-20	-18	-15	-18	-22	-29
-27	-24	-25	-20	-18	-14	-17	-22	-29
-26	-24	-25	-20	-18	-15	-17	-22	-28
-26	-23	-23	-20	-18	-14	-17	-22	-31
-26	-24	-24	-20	-17	-15	-16	-22	-31
-26	-24	-23	-19	-18	-15	-18	-22	-29
-26	-23	-23	-19	-17	-15	-18	-21	-29
-25	-23	-22	-19	-18	-13	-18	-21	-29
*	*	*	*	*	*	*	*	*
-25	-23	-22	-18	-16	-13	-18	-20	-29
-25	-23	-24	-18	-15	-14	-18	-20	-30

CN	6-12 ENG.2 LORD ISOL. MOUNT AFTOUT DEG.F	6-13 ENG.1 INLET LIP SURF. NO.1 DEG.F	6-14 ENG.1 INLET LIP SURF. NO.2 DEG.F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F
91	-43	-24	-25	-24	-24	-19
92	-43	-25	-25	-23	-22	-20
93	-42	-24	-25	-22	-25	-20
94	-43	-23	-23	-23	-24	-19
95	-42	-23	-25	-24	-22	-20
96	-43	-22	-25	-23	-25	-20
97	-42	-24	-24	-23	-24	-19
98	-42	-24	-25	-24	-25	-20
99	-42	-24	-25	-25	-24	-20
100	-42	-23	-25	-25	-24	-20
101	-42	-23	-25	-24	-23	-20
102	-41	-24	-25	-25	-23	-20
103	-42	-23	-25	-23	-25	-20
104	-43	-24	-25	-24	-24	-20
105	-41	-24	-24	-24	-23	-20
106	-42	-24	-25	-25	-23	-22
107	-41	-24	-25	-25	-25	-20
108	-41	-28	-27	-26	-26	-24
109	-41	-34	-31	-29	-31	-28
110	-42	-35	-32	-32	-34	-31
111	-42	-36	-32	-32	-37	-34
112	-42	-37	-34	-36	-38	-36
113	-42	-40	-35	-37	-42	-38
114	-41	-40	-36	-38	-41	-38
115	-41	-41	-37	-40	-42	-40
116	-40	-40	-37	-40	-43	-40
117	-40	-40	-37	-40	-42	-41
118	-40	-40	-38	-40	-43	-40
119	-40	-40	-39	-40	-43	-40
120	-40	-40	-38	-40	-43	-40
121	-40	-38	-39	-40	-41	-40
122	-40	-40	-38	-40	-42	-38
123	-40	-37	-37	-39	-43	-38
124	-41	-37	-37	-38	*	*
125	-40	-33	-35	-36	-39	-37
126	-41	-32	-33	-35	-38	-36
127	-40	-30	-32	-34	-37	-36
128	*	*	*	*	-35	-34
129	-40	-27	-31	-31	-35	-33
130	-40	-24	-31	-31	-34	-32
131	-41	-23	-29	-29	-34	-31
132	-40	-22	-28	-28	-34	-31
133	-40	-20	-27	-28	-32	-31
134	-40	-19	-28	-27	-32	-31
135	-40	-18	-25	-26	-32	-31
136	-42	-18	-25	-26	-31	-29
137	*	*	*	*	*	*
138	-40	-16	-24	-26	-30	-29
139	-38	-15	-23	-25	-30	-28
140	-40	-15	-23	-25	-31	-31

6-14 ENG.1 INLET LIP SURF. NO.2 DEG.F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F	6-18 ENG.1 INLET LIP SURF. NO.6 DEG.F	6-19 ENG.1 INLET LIP SURF. NO.7 DEG.F	6-20 ENG.1 INLET LIP SURF. NO.8 DEG.F	6-21 ENG.1 COMPRT NO.1 TEMP DEG.F	6-22 ENG.1 COMPRT NO.2 TEMP DEG.F
25	-24	-24	-19	-17	-15	-17	-20	-31
25	-23	-22	-20	-18	-13	-16	-20	-31
25	-22	-25	-20	-17	-14	-15	-20	-31
23	-23	-24	-19	-15	-13	-17	-20	-31
25	-24	-22	-20	-17	-1[illegible]	-16	-19	-31
25	-23	-25	-20	-15	-13	-16	-20	-31
24	-23	-24	-19	-18	-[illegible]4	-16	-20	-30
25	-24	-25	-20	-18	-15	-17	-20	-31
25	-25	-24	-20	-18	-15	-17	-[illegible]0	-31
25	-25	-24	-20	-18	-13	-18	-20	-31
25	-24	-23	-20	-18	-15	-17	-21	-32
25	-25	-23	-20	-18	-15	-17	-20	-31
25	-23	-25	-20	-18	-18	-18	-21	-32
25	-24	-24	-20	-19	-15	-16	-21	-29
24	-24	-23	-20	-20	-16	-17	-20	-31
25	-25	-23	-22	-20	-16	-17	-20	-32
25	-25	-25	-20	-20	-15	-16	-20	-33
27	-26	-26	-24	-22	-18	-20	-21	-34
31	-29	-31	-28	-27	-25	-26	-25	-34
32	-32	-34	-31	-30	-28	-34	-30	-35
32	-32	-37	-34	-34	-32	-34	-31	-37
34	-36	-38	-36	-37	-34	-35	-31	-37
35	-37	-42	-38	-38	-37	-37	-32	-37
36	-38	-41	-38	-40	-37	-39	-32	-37
37	-40	-42	-40	-40	-36	-40	-31	-37
37	-40	-43	-40	-40	-37	-40	-32	-37
37	-40	-42	-41	-40	-37	-38	-31	-37
38	-40	-43	-40	-40	-37	-40	-31	-38
39	-40	-43	-40	-40	-37	-39	-32	-38
38	-40	-43	-40	-41	-36	-39	-28	-37
39	-40	-41	-40	-39	-34	-38	-28	-37
38	-40	-42	-38	-37	-34	-35	-30	-37
37	-39	-43	-38	-36	-32	-35	-11	-35
37	-38	*	*	*	*	*	*	*
35	-36	-39	-37	-34	-31	-33	12	-34
33	-35	-38	-36	-35	-31	-32	19	-35
32	-34	-37	-36	-34	-28	-31	19	-34
*	*	-35	-34	-34	-31	-31	21	-34
31	-31	-35	-33	-31	-31	-30	23	-34
31	-31	-34	-32	-31	-29	-31	23	-34
29	-29	-34	-31	-29	-28	-30	22	-34
28	-28	-34	-31	-29	-25	-29	23	-34
27	-28	-32	-31	-30	-27	-28	22	-33
28	-27	-32	-31	-30	-25	-28	22	-34
25	-26	-32	-31	-29	-27	-27	21	-34
25	-26	-31	-29	-28	-25	-28	21	-34
*	*	*	*	*	-27	-27	19	-34
24	-26	-30	-29	-28	-26	-26	19	-34
23	-25	-30	-28	-27	-25	-25	20	-34
22	-25	-31	-31	-27	-24	-28	19	-36

CN	6-12 ENG.2 LORD ISOL. MOUNT AFTOUT DEG.F	6-13 ENG.1 INLET LIP SURF. NO.1 DEG.F	6-14 ENG.1 INLET LIP SURF. NO.2 DEG.F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F
141	-40	-15	-21	-27	-30	-28
142	-40	-14	-22	-25	-31	-31
143	-39	-14	-22	-23	-31	-31
144	-40	-14	-22	-25	-32	-31
145	-40	-15	-21	-26	-31	-31
146	*	-13	-21	-25	-31	-31
147	-40	-13	-20	-27	-31	-31
148	-40	-13	-21	-25	-33	-31
149	-39	-13	-20	-23	-32	-32
150	-40	-13	-20	-25	-33	-31
151	-40	*	*	*	*	*
152	-38	-11	-20	-24	-31	-31
153	-40	-11	-20	-23	-30	-32
154	-40	-12	-18	-24	-31	-29
155	-40	-13	-18	-25	-29	-29
156	-39	-12	-16	-22	-29	-31
157	-39	-11	-16	-22	-28	-28
158	-39	-11	-16	-22	-28	-28
159	-39	-11	-16	-20	-28	-28
160	-39	-11	-16	-22	-28	-28
161	-40	-11	-16	-20	-29	-29
162	-39	-11	-15	-21	-28	-28
163	-39	-11	-15	-22	-29	-28
164	-38	-11	-15	-22	-27	-28
165	-39	-11	-17	-21	-28	-28
166	-39	-18	-20	-25	-31	-30
167	-38	-29	-27	-31	-35	-34
168	-37	-29	-27	-32	-37	-36
169	-38	-31	-29	-32	-38	-36
170	-38	-36	-29	-31	-38	-36
171	-39	-38	-30	-40	-43	*
172	-38	-38	-34	-40	-43	-42
173	-40	-42	-37	-42	-46	-44
174	-38	-42	-38	-43	-43	-44
175	-39	-39	-35	-41	-41	-42
176	*	*	*	*	*	*
177	-39	-40	-38	-42	-44	-43
178	-39	-40	-37	-43	-44	-43
179	-38	-40	-39	-45	-43	-42
180	-38	-40	-37	-40	-42	-43
181	-38	-37	-36	-39	-42	-40
182	-38	-35	-33	-37	-39	-40
183	-37	-35	-34	-39	-40	-40
184	-39	-34	-30	-37	-37	-38
185	-38	-35	-34	-38	-40	-40
186	-37	-34	-34	-37	-38	-40
187	-33	*	*	*	*	*
188	-37	-34	-34	-38	-38	-40
189	-37	-34	-35	-37	-38	-40
190	-37	-35	-37	-37	-39	-40

14 .1 ET IP F. .2 .F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F	6-18 ENG.1 INLET LIP SURF. NO.6 DEG.F	6-19 ENG.1 INLET LIP SURF. NO.7 DEG.F	6-20 ENG.1 INLET LIP SURF. NO.8 DEG.F	6-21 ENG.1 COMPRT NO.1 TEMP DEG.F	6-22 ENG.1 COMPRT NO.2 TEMP DEG.F
1	-27	-30	-28	-29	-26	-27	17	-37
12	-25	-31	-31	-27	-25	-28	17	-40
12	-23	-31	-31	-28	-27	-28	17	-38
12	-25	-32	-31	-26	-25	-29	16	-40
11	-26	-31	-31	-29	-26	-30	15	-40
10	-25	-31	-31	-26	-30	-30	14	-40
10	-27	-31	-31	-30	-28	-29	14	-40
10	-25	-33	-31	-28	-29	-31	15	-40
10	-23	-32	-32	-30	-27	-31	14	-40
10	-25	-33	-31	-28	-28	-29	14	-40
9	*	*	*	*	*	*	*	-41
9	-24	-31	-31	-30	-27	-28	14	-39
9	-23	-30	-32	-31	-26	-28	16	-36
8	-24	-31	-29	-27	-26	-29	17	-35
8	-25	-29	-29	-30	-28	-28	15	-36
8	-22	-29	-31	-29	*	*	*	*
8	-22	-28	-28	-29	-28	-29	15	-36
8	-22	-28	-28	-29	-29	-27	15	-37
8	-20	-28	-28	-26	-26	-27	14	-35
8	-22	-28	-28	-27	-29	-26	14	-35
8	-20	-29	-29	-29	-23	-27	*	*
8	-21	-28	-28	-27	-24	-26	14	-34
8	-22	-29	-28	-29	-24	-27	13	-36
7	-22	-27	-28	-27	-24	-25	13	-34
7	-21	-28	-28	-26	-29	-29	10	-35
7	-29	-31	-30	-32	-29	*	*	*
7	-31	-35	-34	-35	-35	-36	1	-37
7	-32	-37	-36	-37	-31	-35	-3	-35
7	-32	-38	-36	-35	-32	-35	-11	-32
6	-31	-38	-36	-37	-31	-34	-14	-31
6	-40	-43	*	*	*	*	*	*
6	-40	-43	-42	-40	-40	-35	-16	-31
6	-42	-46	-44	-44	-38	-35	-18	-31
6	-43	-43	-44	-41	-40	-35	-16	-30
6	-41	-41	-42	-43	-36	-34	-18	-29
6	*	*	*	*	*	*	-17	-31
6	-42	-44	-43	-43	-40	-36	-16	-31
6	-43	-44	-43	-45	-37	-37	-16	-30
6	-45	-43	-42	-40	-40	-37	-15	-30
6	-40	-42	-43	-39	-40	-36	-14	-29
6	-39	-42	-40	-40	-37	-34	-13	-26
6	-37	-39	-40	-40	-34	-34	-12	-27
6	-39	-40	-40	-37	-37	-34	-11	-27
6	-37	-37	-38	-39	-37	-32	-9	-26
6	-38	-40	-40	-37	-37	-34	-8	-26
6	-37	-38	-40	-38	-38	-32	-7	-24
6	*	*	*	*	*	*	*	*
6	-38	-38	-40	-37	-34	-31	-7	-23
6	-37	-38	-40	-35	-35	-31	-6	-23
6	-37	-39	-40	-39	-34	-32	-6	-25

CN	6-12 ENG.2 LORD ISOL. MOUNT AFTOUT DEG.F	6-13 ENG.1 INLET LIP SURF. NO.1 DEG.F	6-14 ENG.1 INLET LIP SURF. NO.2 DEG.F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F
191	-37	-34	-34	-39	-37	-38
192	-35	-33	-34	-35	-40	-38
193	-37	-31	-31	-34	-37	-38
194	-36	-32	-31	-35	-37	-38
195	-36	-31	-32	-35	-40	-37
196	-34	-31	-31	-36	-39	-37
197	-34	-30	-28	-37	-36	-37
198	-35	-30	-30	-33	-35	-37
199	-34	-29	-30	-34	-34	-37
200	-34	-28	-25	-32	-37	-36
201	-33	-25	-26	-32	-34	-34
202	-32	-34	-35	-39	-37	-37
203	-31	-37	-34	-39	-37	-37
204	-32	-36	-35	-37	-37	-37
205	-31	-34	-34	-35	-39	*
206	-30	-34	-33	-34	-34	-34
207	-29	-31	-32	-34	-34	-34
208	-28	-31	-31	-31	-33	-34
209	-29	-29	-31	-33	-33	-35
210	-28	-29	-31	-31	-32	-31
211	*	*	*	*	-31	-31
212	-26	-28	-28	-30	-30	-31
213	-26	-28	-29	-28	-29	-28
214	-26	-25	-25	-28	-31	-29
215	-25	-25	-25	-27	-28	-26
216	-25	-25	-25	-25	-28	-23
217	-24	-25	-24	-28	-26	-26
218	*	*	*	*	*	*
219	-22	-22	-24	-25	-24	-27
220	-22	-21	-20	-24	-25	-22
221	-21	-21	-22	-25	-23	-23
222	-20	-20	-22	-23	-23	-22
223	-20	-21	-21	-21	-22	-22
224	-20	-20	-22	-20	-22	-22
225	-20	-20	-18	-22	-21	-22
226	-19	-18	-20	-20	-20	-20
227	-18	-18	-18	-22	-20	-20
228	-18	-17	-18	-19	-18	-19
229	-18	-17	-18	-18	-20	-19
230	-15	-15	-15	-18	-20	-18
231	-15	-15	-17	-17	-15	-18
232	-15	-15	-16	-20	-17	-18
233	-15	-13	-13	-15	-16	-18
234	-15	-10	-4	-13	*	*
235	-14	-11	-2	-13	-15	-13
236	-14	-7	-2	-13	-13	-15
237	-12	-6	-2	-13	-13	-15
238	-11	-7	1	-11	-13	-13
239	-11	-8	3	-13	-14	-11
240	-11	-8	0	-13	-15	-14

6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F	6-18 ENG.1 INLET LIP SURF. NO.6 DEG.F	6-19 ENG.1 INLET LIP SURF. NO.7 DEG.F	6-20 ENG.1 INLET LIP SURF. NO.8 DEG.F	6-21 ENG.1 COMPRT NO.1 TEMP DEG.F	6-22 ENG.1 COMPRT NO.2 TEMP DEG.F
-39	-37	-38	-35	-34	-31	-6	-22
-35	-40	-38	-35	-31	-32	-5	-22
-34	-37	-38	-37	*	*	*	*
-35	-37	-38	-35	-33	-32	-4	-22
-35	-40	-37	-34	-32	-30	-4	-22
-36	-39	-37	-35	-32	-31	-3	-22
-37	-36	-37	-34	-31	-31	-2	-20
-33	-35	-37	-34	-31	-30	-1	-20
-34	-34	-37	-33	-29	-29	-2	*
-32	-37	-36	-34	-32	-31	-1	-20
-32	-34	-34	-34	-30	-28	1	-20
-39	-37	-37	-34	-31	-32	-10	-19
-39	-37	-37	-37	-31	-31	-11	-20
-37	-37	-37	-35	-32	-31	-11	-22
-35	-39	*	*	*	*	*	*
-31	-34	-34	-32	-31	-27	-11	-16
-34	-34	-34	-31	-27	-27	-15	-11
-31	-33	-34	-31	-26	-25	-10	-13
-33	-33	-35	-30	-27	-27	-7	-11
-31	-32	-31	-28	-27	-23	-6	-16
*	-31	-31	-28	-25	-22	-8	-11
-30	-30	-31	-26	-26	-24	-6	-13
-28	-29	-28	-27	-26	-22	-5	-12
-28	-31	-29	-27	-25	-24	-6	-10
-27	-28	-26	-25	-24	-22	-3	-9
-25	-28	-23	-24	-22	-21	-7	-8
-26	-26	-26	-24	-25	-21	-1	-6
*	*	*	*	-22	-21	-2	-4
-25	-24	-27	-24	-23	-19	3	-6
-24	-25	-22	-24	-19	-20	-2	0
-25	-23	-23	-21	-18	-19	-2	-1
-23	-23	-22	-21	-15	-18	0	0
-21	-22	-22	-22	-20	-15	1	0
-20	-22	-22	-20	-17	-16	3	0
-22	-21	-22	-21	-17	-17	2	1
-20	-20	-20	-19	*	*	*	*
-22	-20	-20	-20	-17	-15	4	1
-19	-18	-19	-20	-17	-14	6	6
-18	-20	-19	-18	-12	-13	6	3
-18	-20	-18	-18	-13	-13	8	6
-17	-15	-18	-16	-15	-12	11	5
-20	-17	-18	-16	-15	-13	13	6
-15	-16	-18	-15	-12	-9	19	8
-13	*	*	*	*	*	*	*
-13	-15	-13	-14	-10	-11	22	11
-13	-13	-15	-12	-11	-11	23	10
-13	-13	-15	-13	-11	-10	21	10
-11	-13	-13	-12	-7	-9	21	12
-13	-14	-11	-13	-8	-11	23	8
-13	-15	-14	-14	-10	-12	21	8

CN	6-12 ENG.2 LORD ISOL. MOUNT AFTOUT DEG.F	6-13 ENG.1 INLET LIP SURF. NO.1 DEG.F	6-14 ENG.1 INLET LIP SURF. NO.2 DEG.F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F
241	-11	-9	3	-13	-16	-16
242	-10	-8	3	-14	-16	-17
243	-10	-8	3	-13	-15	-15
244	-10	-8	1	*	*	*
245	-10	-8	3	-14	-16	-15
246	-10	-7	5	-13	-15	-16
247	-8	-4	1	-11	-15	-15
248	-8	-3	1	-11	-15	-15
249	-8	0	3	-9	-13	-15
251	-8	3	5	-4	-11	-13
251	-7	10	8	1	-5	-10
252	-7	14	10	8	0	-6

6-14 ENG.1 INLET LIP SURF. NO.2 DEG.F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F	6-18 ENG.1 INLET LIP SURF. NO.6 DEG.F	6-19 ENG.1 INLET LIP SURF. NO.7 DEG.F	6-20 ENG.1 INLET LIP SURF. NO.8 DEG.F	6-21 ENG.1 COMPRT NO.1 TEMP DEG.F	6-22 ENG.1 COMPRT NO.2 TEMP DEG.F
3	-13	-16	-16	-13	-11	-11	19	7
3	-14	-16	-17	-15	-11	-11	21	9
3	-13	-15	-15	-15	-11	-13	21	7
1	*	*	*	*	*	*	*	*
3	-14	-16	-15	-15	-11	-13	19	8
5	-13	-15	-16	-15	-13	-12	19	6
1	-11	-15	-15	-15	-10	-11	20	4
1	-11	-15	-15	-15	-12	-10	38	-4
3	-9	-13	-15	-15	-11	-11	69	-5
5	-4	-11	-13	-13	-11	-11	91	1
8	1	-5	-10	-11	-8	-8	101	22
10	8	0	-6	-9	-6	-6	105	25

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CN	6-23 ENG.1 COMPRT NO.3 TEMP DEG.F	6-24 ENG.1 COMPRT NO.4 TEMP DEG.F	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.F	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.F	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.F	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.F
1	-43	-47	-47	-47	-47	-49
2	-43	-47	-47	-47	-49	-49
3	-44	*	*	*	*	*
4	-44	-48	-47	-47	-49	-49
5	-43	-48	-47	-47	-49	-49
6	-44	*	*	*	*	*
7	-44	-48	-47	-47	-50	-49
8	-44	-49	-48	-47	-50	-50
9	-44	*	*	*	*	*
10	-43	-47	-47	-47	-49	-49
11	-43	-46	-46	-46	-49	-49
12	*	*	*	*	*	*
13	-45	-47	-47	-47	-49	-49
14	-44	-48	-48	-47	-49	-50
15	*	*	*	*	*	*
16	-45	-48	-47	-47	-49	-49
17	-44	-47	-48	-48	-50	-49
18	*	*	*	*	*	-49
19	-41	-46	-47	-47	-49	-49
20	-43	-47	-46	-47	-50	-50
21	*	-46	-46	-48	-49	-50
22	-41	-47	-47	-47	-47	-49
23	-41	-46	-46	-46	-49	-49
24	-40	-46	-48	-48	-49	-47
25	-41	-46	-46	-47	-49	-47
26	-40	-45	-47	-47	-49	-49
27	-40	-45	-46	-46	-49	-48
28	-41	-46	-46	-46	-47	-49
29	-40	-46	-47	-47	-49	-49
30	-40	-44	-47	-46	-49	-49
31	-40	-45	-47	-47	-47	-48
32	-40	-45	-47	-46	-49	-49
33	-40	-44	-47	-47	-47	-49
34	-39	-44	-46	-46	-49	-49
35	-40	-43	-46	-46	-47	-46
36	-40	-44	-47	-46	-47	-47
37	-39	-43	-46	-47	-48	-49
38	-40	-43	-46	-46	-47	-47
39	-39	-43	-46	-46	-49	-49
40	*	*	*	*	*	-49

CN	6-23 ENG.1 COMPRT NO.3 TEMP DEG.F	6-24 ENG.1 COMPRT NO.4 TEMP DEG.F	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.F	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.F	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.F	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.F
41	-38	-41	-36	-44	-42	-47
42	-40	-40	-31	-43	-39	-46
43	-40	-40	-29	-42	-39	-48
44	-39	-40	-22	-41	-33	-46
45	-38	-40	-15	-39	-28	-45
46	-38	-38	-13	-37	-19	-44
47	-37	-39	-12	-37	14	-42
48	-37	-40	-9	-37	55	-37
49	-35	-38	-8	-37	70	-31
50	-35	-37	-8	-36	70	-28
51	-36	-37	-9	-36	74	-24
52	-35	-37	-10	-35	99	-20
53	*	*	-8	-34	122	-16
54	-36	-36	-8	-37	123	-12
55	-34	-37	-11	-35	120	-9
56	-34	-35	-8	-34	119	-7
57	-34	-35	-9	-34	117	-6
58	-33	-34	-9	-34	115	-4
59	-34	-36	-8	-34	113	-1
60	-32	-36	14	-33	*	*
61	-32	-36	67	-30	110	1
62	-31	-35	89	-26	107	-2
63	-31	-34	91	-24	105	0
64	-30	-32	91	-20	103	1
65	-29	-31	89	-20	103	1
66	-28	-31	87	-17	99	3
67	-28	-31	87	-16	99	1
68	-28	-28	85	-17	97	2
69	-28	-29	85	-15	95	2
70	-26	-29	83	-13	93	3
71	-26	-28	81	-12	91	1
72	-25	-29	80	-12	91	4
73	-25	-28	100	-11	88	3
74	-25	-28	125	-8	87	3
75	-25	-27	128	-6	84	3
76	-24	-27	127	-4	84	3
77	-24	-25	125	-2	83	1
78	-24	-26	123	-1	79	2
79	-23	-26	120	0	77	1
80	-24	-26	119	1	77	2
81	-24	-25	117	2	*	*
82	-22	-25	114	3	75	2
83	-24	-24	113	2	73	1
84	-22	-25	110	3	73	1
85	-22	-26	109	4	70	1
86	-22	-25	106	3	69	0
87	-22	-25	105	6	68	0
88	-23	-25	103	4	67	1
89	-22	-24	101	5	66	0
90	-22	-23	99	5	64	0

CN	6-23 ENG.1 COMPRT NO.3 TEMP DEG.F	6-24 ENG.1 COMPRT NO.4 TEMP DEG.F	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.F	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.F	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.F	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.F
91	-22	-25	98	5	63	0
92	*	*	*	*	*	*
93	-22	-25	95	4	60	0
94	-22	-26	93	5	60	0
95	-22	-26	93	5	58	1
96	-21	-25	91	5	57	-2
97	-22	-26	88	5	56	-2
98	-22	-27	87	5	55	-2
99	-22	-28	85	4	53	-2
100	-22	-29	83	5	53	-2
101	-22	-28	82	5	52	-2
102	-22	-28	82	5	51	-4
103	-22	-28	79	3	49	-3
104	-23	-29	77	5	48	-4
105	-22	-29	75	4	47	-2
106	-22	-28	77	3	47	-3
107	-22	-27	75	3	45	-4
108	-22	-28	81	3	45	-4
109	-25	-28	107	4	43	-4
110	-29	-29	119	8	43	-4
111	-28	-30	125	12	42	-6
112	-26	-31	117	15	40	-4
113	-23	-32	115	19	41	-4
114	-21	-33	113	23	40	-4
115	-18	-32	111	26	46	-5
116	-22	-32	110	31	36	-5
117	-22	-32	108	33	37	-6
118	-23	-31	106	36	34	-6
119	-23	-32	104	43	35	-6
120	-19	*	*	*	*	*
121	-16	-29	101	45	31	-5
122	-22	-29	100	44	31	-6
123	11	-25	99	46	31	-8
124	*	*	*	46	29	-8
125	42	-20	98	45	31	-7
126	48	-18	95	44	29	-8
127	50	-18	97	44	28	-8
128	49	-16	94	43	28	-8
129	49	-15	93	42	26	-8
130	49	-15	93	42	26	-8
131	48	-15	90	42	26	-10
132	48	-15	88	42	25	-8
133	47	-13	*	*	*	*
134	47	-13	86	40	22	-10
135	44	-14	86	42	24	-10
136	45	-13	86	40	22	-11
137	43	-15	84	39	22	-11
138	41	-15	84	40	21	-9
139	41	-15	83	39	19	-9
140	40	-15	82	38	20	-11

CN	6-23 ENG.1 COMPRT NO.3 TEMP DEG F	6-24 ENG.1 COMPRT NO.4 TEMP DEG.F	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.F	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.F	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.F	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.F
141	38	-16	82	37	19	-11
142	*	*	*	*	*	*
143	36	-18	80	36	17	-9
144	37	-19	77	37	17	-11
145	35	-18	77	35	17	-12
146	35	-20	77	35	16	-11
147	35	-20	74	33	17	-11
148	35	-20	75	34	14	-12
149	35	-20	73	34	14	-12
150	33	-19	73	33	14	-13
151	34	-20	73	33	13	-11
152	34	-20	71	32	13	-13
153	34	-18	70	33	13	-12
154	33	-18	69	31	10	-13
155	33	-18	68	31	12	-13
156	*	*	*	*	*	-13
157	32	-18	66	31	10	-13
158	33	-17	67	30	10	-14
159	31	-17	66	30	9	-14
160	31	-18	66	29	8	-12
161	*	*	*	*	*	*
162	30	-18	63	28	9	-15
163	29	-18	63	28	7	-14
164	28	-18	63	28	7	-13
165	24	-20	62	27	6	-15
166	*	*	*	*	*	*
167	9	-22	88	29	6	-13
168	6	-27	90	33	5	-15
169	2	-27	91	37	6	-15
170	-8	-25	88	40	5	-13
171	*	*	*	43	5	-14
172	-16	-28	79	48	4	-17
173	-20	-28	79	51	1	-15
174	-18	-28	77	56	3	-16
175	-16	-28	76	60	3	-16
176	-17	-27	73	66	2	-15
177	-17	-26	71	69	1	-15
178	-16	-28	69	74	1	-19
179	-16	-28	68	78	22	-17
180	-15	-27	66	83	64	-11
181	-13	-24	67	86	74	-9
182	-12	-24	66	*	*	*
183	-11	-25	64	90	71	3
184	-11	-23	63	93	69	8
195	-11	-23	61	94	67	13
186	-10	-25	62	95	66	17
187	-9	-25	61	97	60	22
188	-8	-23	58	99	56	28
189	-8	-23	59	98	56	31
190	-9	-25	58	99	52	39

CN	6-23 ENG.1 COMPRT NO.3 TEMP DEG.F	6-24 ENG.1 COMPRT NO.4 TEMP DEG.F	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.F	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.F	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.F	6- ENG ACCE G.B (F F TE DEG
191	-10	-22	58	99	52	4
192	-6	-22	57	99	50	4
193	*	*	*	*	*	
194	-6	-23	55	101	47	5
195	-4	-22	55	101	48	6
196	-4	-23	56	100	46	6
197	-4	-22	55	102	44	7
198	-3	-20	56	101	43	7
199	*	*	*	*	*	
200	-2	-19	53	101	42	8
201	-2	-20	53	101	42	8
202	-11	-22	53	101	42	8
203	-11	-20	50	94	34	7
204	-11	-18	48	93	33	7
205	*	*	*	93	32	7
206	-11	-15	49	91	31	7
207	-13	-15	49	94	31	8
208	-8	-13	49	93	31	8
209	-7	-13	48	95	29	8
210	-7	-12	47	94	31	8
211	-8	-12	47	93	29	8
212	-6	-11	45	*	*	
213	-6	-9	46	93	28	8
214	-4	-9	45	93	30	8
215	-4	-6	47	91	29	8
216	-4	-6	43	93	27	8
217	-1	-6	43	93	27	8
218	0	-6	42	93	28	8
219	3	-4	44	27	*	
220	1	-2	44	93	27	8
221	2	-2	42	93	28	8
222	4	-2	42	93	28	8
223	3	-2	42	89	28	8
224	4	-1	42	91	27	8
225	5	0	42	93	26	8
226	*	*	*	*	*	
227	7	1	41	91	29	8
228	8	2	42	91	28	8
229	9	2	42	93	28	8
230	11	5	40	93	28	9
231	12	5	40	94	27	9
232	13	4	42	94	30	9
233	17	9	44	95	31	10
234	*	9	42	99	31	10
235	20	10	44	99	31	11
236	21	7	44	99	33	11
237	20	5	44	101	35	11
238	21	5	45	102	33	11
239	20	5	45	101	34	11
240	20	4	47	99	35	11

CN	6-23 ENG.1 COMPRT NO.3 TEMP DEG.F	6-24 ENG.1 COMPRT NO.4 TEMP DEG.F	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.F	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.F	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.F	6- ENG ACCE G.B (F F TE DEG
241	18	3	44	99	34	11
242	21	3	45	99	35	11
243	20	3	46	101	36	11
244	*	2	46	101	36	11
245	19	3	45	101	36	
246	21	3	46	103	36	11
247	33	3	47	103	38	11
248	77	2	47	103	40	11
249	105	7	47	101	40	11
250	137	25	48	100	40	11
251	143	51	49	99	40	11
252	142	58	52	99	42	1(

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CN	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C
1	0	13	-40	-41	-40
2	0	33	-40	-39	-41
3	*	*	-41	-41	-41
4	1	12	-41	-40	-41
5	1	32	-41	-40	-41
6	*	*	-41	-41	-41
7	2	12	-41	-41	-41
8	2	31	-41	-41	-42
9	*	*	-41	-41	-41
10	3	11	-39	-40	-41
11	3	31	-41	-40	-40
12	*	*	-40	-41	-41
13	4	10	-41	-41	-41
14	4	30	-41	-41	-41
15	4	49	-41	-41	-41
16	5	9	-40	-41	-40
17	5	29	-41	-41	-41
18	5	49	-40	-40	-41
19	6	8	-41	-41	-41
20	6	28	-41	-41	-41
21	6	48	-41	-41	-41
22	7	8	-41	-40	-41
23	7	27	-41	-41	-40
24	7	47	-41	-41	-41
25	8	7	-40	-39	-41
26	8	26	-40	-40	-40
27	8	46	-41	-41	-40
28	9	6	-41	-41	-41
29	9	25	-41	-40	-40
30	9	45	-39	-41	-39
31	10	5	-40	-40	-41
32	10	25	-40	-40	-40
33	10	44	-41	-41	-41
34	11	4	-41	-41	-40
35	11	24	-41	-40	-41
36	11	43	-40	-40	-40
37	*	*	*	*	*
38	12	23	-39	-41	-41
39	12	42	-40	-40	-41
40	13	2	-40	-40	-40

7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COM- PRESS CASING TEMP DEG.C	7-12 ENG.1 COM- PRESS CASING TEMP DEG.C
13	-40	-41	-40	-41	-41	-41	-42	*
33	-40	-39	-41	-41	-41	-41	-42	
*	-41	-41	-41	-41	-41	-42	-42	
12	-41	-40	-41	-41	-41	-41	-41	
32	-41	-40	-41	-41	-41	-42	-41	
*	-41	-41	-41	-41	-41	-41	-42	
12	-41	-41	-41	-41	-41	-41	-42	
31	-41	-41	-42	-41	-41	-41	-41	
*	-41	-41	-41	-41	-41	-41	-42	
11	-39	-40	-41	-41	-41	-42	-42	
31	-41	-40	-40	-41	-40	-40	-41	
*	-40	-41	-41	-41	-41	-41	-42	
10	-41	-41	-41	-41	-41	-42	-42	
30	-41	-41	-41	-41	-41	-43	-41	
49	-41	-41	-41	-41	-41	-42	-42	
9	-40	-41	-40	-41	-42	-41	-42	
29	-41	-41	-41	-41	-41	-41	-42	
49	-40	-40	-41	-41	-42	-42	-42	
8	-41	-41	-41	-41	-41	-41	-42	
28	-41	-41	-41	-41	-41	-41	-41	
48	-41	-41	-41	-42	-41	-41	-41	
6	-41	-40	-41	-40	-41	-42	-42	
27	-41	-41	-40	-41	-41	-41	-41	
47	-41	-41	-41	-41	-41	-42	-41	
7	-40	-39	-41	-40	-39	-42	-41	
27	-40	-40	-40	-39	-41	-41	-41	
46	-41	-41	-40	-40	-41	-41	-41	
6	-41	-41	-41	-41	-41	-41	-41	
25	-41	-40	-40	-40	-41	-41	-41	
45	-39	-41	-39	-41	-41	-41	-41	
5	-40	-40	-41	-39	-41	-42	-41	
25	-40	-40	-40	-40	-41	-41	-42	
44	-41	-41	-41	-41	-41	-41	-41	
4	-41	-41	-40	-40	*	*	*	
24	-41	-40	-41	-41	-41	-41	-41	
43	-40	-40	-40	-40	-41	-41	-41	
*	*	*	*	*	-42	-41	-41	
23	-39	-41	-41	-39	-41	-41	-42	
42	-40	-40	-41	-39	-41	-41	-41	
2	-40	-40	-40	-40	-37	-41	-40	

CN	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-0 ENG. IGNI EXCI SKI TEM DEG.
41	13	22	-39	-40	-4
42	13	42	-39	-40	-3
43	14	1	-40	-40	-4
44	14	21	-39	-41	-4
45	14	41	-39	-38	-3
46	15	0	-39	-40	-3
47	15	20	-39	-39	-3
48	15	40	-39	-39	-4
49	15	59	-38	-39	-3
50	*	*	*	*	
51	16	39	-39	-40	-3
52	16	58	-39	-39	-3
53	17	18	-37	-39	-3
54	17	38	-39	-39	-3
55	17	57	-37	-39	-3
56	18	17	-39	-39	-3
57	18	37	-37	-38	-3
58	18	56	-39	-39	-3
59	19	16	-38	-38	-3
60	*	*	*	*	
61	19	55	-38	-39	-3
62	20	15	-37	-38	-3
63	20	35	-38	-39	-3
64	20	54	-37	-38	-3
65	21	14	-36	-38	-3
66	21	34	-38	-38	-3
67	21	53	*	*	
68	22	13	-37	-38	-3
69	22	33	-37	-38	-3
70	22	52	-37	-37	-3
71	23	12	-37	-37	-3
72	23	32	-36	-37	-3
73	23	51	-36	-37	-3
74	24	11	*	*	
75	24	31	-35	-37	-3
76	24	50	-35	-37	-3
77	25	10	-35	-36	-3
78	25	30	-36	-37	-3
79	25	49	-36	-36	-3
80	26	9	-36	-36	-3
81	*	*	*	641	-3
82	26	48	-36	-36	-3
83	27	8	-36	-36	-3
84	27	28	-35	-36	-3
85	27	47	-36	-36	-3
86	28	7	-35	-36	-3
87	28	27	-35	-36	-3
88	28	46	-35	-36	-3
89	29	6	-36	-36	-3
90	29	26	-35	-35	-3

7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COM-PRESS CASING TEMP DEG.C	7-12 ENG.1 COM-PRESS CASING TEMP DEG.C
22	-39	-40	-41	-40	-30	-41	-40	*
42	-39	-40	-39	-39	-31	-41	-40	
1	-40	-40	-40	-40	-32	-41	-39	
21	-39	-41	-40	-39	-30	-40	-39	
41	-39	-38	-38	-38	-29	-40	-39	
0	-39	-40	-39	-39	-30	-39	-38	
20	-39	-39	-39	-39	-30	-41	-38	
40	-39	-39	-40	-39	-31	-40	-39	
59	-38	-39	-38	-39	-32	-40	-39	
*	*	*	*	*	-33	-41	-38	
39	-39	-40	-39	-38	-33	-40	-38	
58	-39	-39	-39	-38	-33	-40	-39	
18	-37	-39	-39	-39	-33	-39	-39	
38	-39	-39	-39	-39	-33	-40	-37	
57	-37	-39	-39	-38	-33	-40	-38	
17	-39	-39	-39	-39	-33	-41	-38	
37	-37	-38	-39	-38	-34	-40	-38	
56	-39	-39	-39	-38	-33	-38	-37	
16	-38	-38	-39	-37	-35	-40	-38	
*	*	*	*	-37	-26	-39	-36	
55	-38	-39	-37	-38	-19	-39	-36	
15	-37	-38	-37	-38	-18	-38	-37	
35	-38	-39	-38	-37	-21	-39	-36	
54	-37	-38	-38	-37	-22	-38	-36	
14	-36	-38	-38	-37	-24	-39	-36	
34	-38	-38	-38	-37	-24	-38	-36	
53	*	*	*	*	*	*	*	
13	-37	-38	-37	-37	-24	-38	-35	
33	-37	-38	-37	-36	-25	-37	-35	
52	-37	-37	-37	-36	-26	-38	-35	
12	-37	-37	-37	-36	-25	-37	-33	
32	-36	-37	-37	-37	-26	-38	-33	
51	-36	-37	-36	-36	-20	-37	-35	
11	*	*	*	*	*	*	*	
31	-35	-37	-37	-36	-16	-37	-33	
50	-35	-37	-37	-35	-18	-37	-33	
10	-35	-36	-36	-35	-19	-37	-33	
30	-36	-37	-37	-35	-19	-37	-33	
49	-36	-36	-35	-34	-20	-37	-33	
9	-36	-36	-36	-34	-20	-37	-32	
*	*	641	-36	-33	-20	-36	-32	
48	-36	-36	-35	-33	-20	-37	-31	
8	-36	-36	-35	-33	-21	-37	-32	
28	-35	-36	-35	-33	-21	-37	-31	
47	-36	-36	-36	-32	-21	-37	-31	
7	-35	-36	-35	-33	-21	-37	-31	
27	-35	-36	-35	32	-21	-37	-31	
46	-35	-36	-35	-32	-20	-36	-30	
6	-36	-36	-35	-31	-21	-36	-30	
26	-35	-35	-35	-32	-22	-37	-30	

2

CN	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MCUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7- ENG IGN EXCI SK TE DEG.
91	29	46	-35	-36	-3
92	*	3	-34	-35	-3
93	30	25	-34	-35	-3
94	30	45	-34	-35	-3
95	31	4	-34	-35	-3
96	*	*	*	*	
97	31	44	-33	-35	-3
98	32	3	-33	-35	-3
99	32	23	-33	-35	-3
100	32	43	-34	*	
101	33	2	-35	-35	-3
102	33	22	-33	-35	-3
103	33	42	-34	-36	-3
104	34	1	-34	-35	-3
105	34	21	-34	-34	-3
106	34	41	-33	-34	-3
107	35	1	-33	-35	-3
108	35	20	-32	-33	*
109	35	40	-32	-34	-3
110	36	0	-32	-33	-3
111	36	19	-33	-33	-3
112	36	39	*	*	*
113	36	59	-32	-33	-3
114	37	19	-32	-33	-3
115	37	38	-31	-32	-3
116	*	*	*	*	*
117	38	18	-31	-32	-3
118	38	37	-31	-32	-3
119	38	57	-31	-32	-3
120	*	*	-32	-31	-3
121	39	36	-31	-30	-3
122	39	56	-31	-32	-3
123	40	16	-30	-31	-3
124	40	35	-30	-31	-3
125	40	55	-30	-31	-3
126	41	15	-30	-31	-3
127	41	34	-30	-30	-3
128	41	54	-30	-30	-3
129	42	14	-29	-30	-3
130	42	33	-27	-30	-3
131	42	53	-29	-30	-3
132	43	13	-29	-30	-2
133	*	*	*	-30	-3
134	43	32	-28	-29	-2
135	44	12	-28	-29	-2
136	44	32	-29	-30	-2
137	44	51	-27	-29	-2
138	45	11	-29	-29	-3
139	45	31	-28	-30	-3
140	45	50	-27	-28	-2

7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MCUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COM- PRESS CASING TEMP DEG.C	7-12 ENG.1 COM- PRESS CASING TEMP DEG.C
46	-35	-36	-35	-32	-22	-37	-30	*
3	-34	-35	-35	-31	-21	-37	-29	
25	-34	-35	-35	-32	-21	-37	-29	
45	-34	-35	-35	-31	-21	-36	-29	
4	-34	-35	-35	-31	-21	-37	-28	
*	*	*	*	*	*	-36	-29	
44	-33	-35	-35	-31	-22	-36	-27	
3	-33	-35	-35	-31	-21	-36	-27	
23	-33	-35	-36	-30	-21	-36	-27	
43	-34	*	*	*	*	*	*	
2	-35	-35	-35	-31	-21	-35	-28	
22	-33	-35	-35	-30	-21	-36	-28	
42	-34	-36	-35	-30	-21	-36	-27	
1	-34	-35	-35	*	*	*	*	
21	-34	-34	-35	-30	-22	-37	-27	
41	-33	-34	-35	-30	-22	-36	-27	
1	-33	-35	-33	-30	-21	-36	-26	
20	-32	-33	*	*	*	*	*	
40	-32	-34	-34	-35	-11	-34	-29	
0	-32	-33	-33	-36	-1	-32	-25	
19	-33	-33	-33	-36	3	-30	-24	
39	*	*	*	*	*	*	*	
59	-32	-33	-33	-36	10	-26	-24	
19	-32	-33	-32	-36	11	-24	-23	
38	-31	-32	-33	-37	13	-23	-25	
*	*	*	*	*	*	-21	-24	
19	-31	-32	-32	-36	16	-21	-24	
37	-31	-32	-31	-36	20	-20	-23	
57	-31	-32	-32	-37	21	-20	-24	
*	-32	-31	-32	-35	22	-19	-28	
36	-31	-30	-31	-32	21	-20	-30	
56	-31	-32	-32	-29	19	-20	-31	
16	-30	-31	-31	-27	17	-21	-30	
35	-30	-31	-31	-26	15	-20	-31	
55	-30	-31	-31	-25	15	-20	-31	
15	-30	-31	-31	-25	13	-20	-29	
34	-30	-30	-30	-25	12	-21	-29	
54	-30	-30	-31	-25	12	-20	-29	
14	-29	-30	-30	-24	*	*	*	
33	-27	-30	-30	-24	11	-21	-29	
53	-29	-30	-30	-23	11	-20	-28	
13	-29	-30	-29	-23	10	-20	-28	
*	*	-30	-30	-23	10	-21	-27	
52	-28	-29	-29	-23	9	-21	-26	
12	-28	-29	-29	-23	9	-21	-27	
32	-29	-30	-29	-23	7	-21	-26	
51	-27	-29	-29	-22	7	-21	-26	
11	-29	-29	-30	-21	7	-21	*	
31	-28	-30	-30	-22	7	-21	-26	
50	-27	-28	-29	-21	7	-20	-25	

2

CN	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C
141	46	10	-26	-29	-29
142	*	27	-27	-29	-29
143	46	49	-27	-28	-29
144	47	9	-27	-28	-29
145	47	29	-27	-28	-29
146	47	48	-26	-28	-30
147	48	8	*	*	*
148	48	28	-26	-28	-29
149	48	47	-26	-28	-29
150	49	7	-26	-28	-28
151	49	27	-26	-26	-29
152	49	46	-26	-27	-28
153	50	6	-26	-27	-28
154	50	26	-26	-27	-28
155	50	45	-26	-28	-28
156	51	5	-26	-28	-28
157	51	25	-26	-28	-27
158	51	44	-26	-27	-28
159	52	4	-25	-27	-27
160	52	23	-26	-26	-27
161	52	43	-25	-26	-27
162	53	3	-26	-26	-27
163	53	22	-26	-26	-26
164	53	42	-25	-26	-27
165	54	2	-26	-26	-26
166	54	21	-25	-26	-26
167	54	41	-25	-26	-26
168	55	1	-25	-26	-26
169	55	20	-25	-25	-26
170	55	40	-24	-25	-26
171	56	0	-24	-25	-26
172	56	19	-25	-24	-26
173	56	39	-24	-25	-26
174	56	58	-23	-25	-26
175	57	18	-23	-25	-24
176	57	38	-21	-23	-26
177	57	57	-21	-25	-25
178	58	17	-21	-24	-24
179	58	36	-20	-24	-25
180	58	56	-20	-23	-25
181	59	16	-19	-24	-24
182	*	*	*	*	-24
183	59	55	-19	-23	-24
184	60	14	-19	-23	-23
185	60	34	-18	-23	-23
186	60	54	-17	-22	-23
187	61	13	-19	-21	-23
188	61	33	-18	-21	-23
189	61	53	-17	-21	-23
190	62	12	-15	-20	-23

7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COM- PRESS CASING TEMP DEG.C	7-12 ENG.1 COM- PRESS CASING TEMP DEG.C
10	-26	-29	-29	-21	5	-20	-25	*
27	-27	-29	-29	-21	5	-20	-25	
49	-27	-28	-29	-21	5	-21	-25	
9	-27	-28	-29	-21	5	-21	-25	
29	-27	-28	-29	-21	3	-20	-25	
48	-26	-28	-30	-21	4	-20	-24	
8	*	*	*	*	*	*	*	
28	-26	-28	-29	-20	3	-21	-24	
47	-26	-28	-29	-21	3	-20	-24	
7	-26	-28	-28	-20	3	-21	-24	
27	-26	-26	-29	-21	2	-21	-23	
46	-26	-27	-28	-21	2	-21	-24	
6	-26	-27	-28	-21	1	-20	-24	
26	-26	-27	-28	-20	1	-21	-24	
45	-26	-28	-28	-20	1	-20	-24	
5	-26	-28	-28	-20	0	-20	-24	
25	-26	-28	-27	-20	1	-21	-24	
44	-26	-27	-28	-20	1	-20	-22	
4	-25	-27	-27	-20	0	-20	-23	
23	-26	-26	-27	-20	0	-21	-23	
43	-25	-26	-27	-20	0	-20	-23	
3	-26	-26	-27	-20	0	-21	-23	
22	-26	-26	-26	-20	0	-20	-23	
42	-25	-26	-27	-19	-2	-21	-22	
2	-26	-26	-26	-20	-2	-21	-23	
21	-25	-26	-26	-30	2	-21	-26	
41	-25	-26	-26	-34	11	-19	-26	
1	-25	-26	-26	-34	18	-18	-25	
20	-25	-25	-26	-33	22	-15	-23	
40	-24	-25	-26	-35	25	-15	-23	
0	-24	-25	-26	-35	28	-15	-14	
19	-25	-24	-26	-36	31	-18	-12	
39	-24	-25	-26	-36	37	-20	-8	
58	-23	-25	-26	-36	39	-23	-6	
18	-23	-25	-24	-35	43	-24	-6	
38	-21	-23	-26	-36	46	-24	-7	
57	-21	-25	-25	*	*	*	*	
17	-21	-24	-24	-35	52	-24	-6	
36	-20	-24	-25	-35	54	-25	-5	
56	-20	-23	-25	-35	57	-25	-4	
16	-19	-24	-24	-35	58	-25	-3	
*	*	*	-24	-33	60	-24	-4	
55	-19	-23	-24	-34	59	-26	-5	
14	-19	-23	-23	-33	60	-25	-3	
34	-18	-23	-23	-33	60	-25	-3	
54	-17	-22	-23	-33	61	-25	-3	
13	-19	-21	-23	-33	62	-25	-2	
33	-18	-21	-23	*	*	*	*	
53	-17	-21	-23	-33	61	-21	-10	
12	-15	-20	-23	-33	59	-23	-7	

CN	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MCUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7- EN IGI EXC SI TI DE
191	62	32	-17	-20	-2
192	62	51	-16	-20	-2
193	63	11	-16	-19	-2
194	63	31	-16	-20	-2
195	63	50	-15	-19	-2
196	64	10	-17	-19	-2
197	64	29	-15	-19	-2
198	64	49	-15	-19	-2
199	65	9	-15	-19	-2
200	65	28	-15	-19	-2
201	65	48	-15	-18	-2
202	66	7	-15	-19	-2
203	66	27	-15	-18	-1
204	66	47	-15	-18	-2
205	67	6	-13	-18	-1
206	67	26	-14	-17	-2
207	67	45	-12	-17	-1
208	68	5	-13	-16	-1
209	68	25	-12	-15	-1
210	68	44	-13	-17	-1
211	69	4	-12	-17	-1
212	*	*	*	*	-1
213	69	43	-12	-15	-1
214	70	3	-10	-14	-1
215	70	22	-10	-15	-1
216	70	42	-10	-13	-1
217	71	2	-9	-14	-1
218	71	21	-8	-12	-1
219	*	*	*	*	
220	72	0	-7	-12	-1
221	72	20	-7	-12	-1
222	72	40	-7	-11	-1
223	72	59	-7	-12	-1
224	73	19	-5	-10	-1
225	73	39	-5	-10	-1
226	73	58	-5	-10	-1
227	74	18	-4	-9	
228	74	38	-2	-8	-1
229	74	57	-3	-10	-1
230	75	17	-2	-8	-
231	75	37	-3	-7	-1
232	75	57	-1	-7	-
233	76	16	-2	-7	-
234	76	36	-1	-7	-
235	*	*	*	*	
236	77	15	0	-5	-
237	77	35	0	-5	-
238	77	55	0	-5	-
239	78	16	1	-5	-
240	78	35	0	-5	-

03 HE EC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COM- PRESS CASING TEMP DEG.C	7-12 ENG.1 COM- PRESS CASING TEMP DEG.C
02	-17	-20	-21	-32	60	-15	-9	*
01	-16	-20	-21	-33	60	218	-7	
1	-16	-19	-21	-32	60	218	-7	
01	-16	-20	-21	-32	59	666	-5	
00	-15	-19	-21	-32	60	619	-13	
0	-17	-19	-20	-30	59	220	-12	
59	-15	-19	-21	-31	59	*	-10	
59	-15	-19	-20	-32	60	*	-8	
9	-15	-19	-20	-31	59	274	-7	
58	-15	-19	-20	-31	59	219	-8	
58	-15	-18	-20	-31	59	*	-8	
7	-15	-19	-20	-32	60	*	-4	
57	-15	-18	-19	-32	60	79	-3	
57	-15	-18	-20	-31	60	-21	-2	
6	-13	-18	-19	-31	60	-21	0	
56	-14	-17	-20	-31	*	*	*	
55	-12	-17	-18	-30	60	*	0	
5	-13	-16	-17	-30	60	*	0	
55	-12	-15	-18	-30	60	*	1	
54	-13	-17	-17	-28	60	*	1	
4	-12	-17	-17	-29	59	*	3	
*	*	*	-17	-28	61	*	3	
53	-12	-15	-17	-26	61	*	3	
3	-10	-14	-15	-26	61	*	3	
52	-10	-15	-14	-25	61	-26	4	
52	-10	-13	-14	-24	62	-28	3	
2	-9	-14	-15	-24	61	-28	5	
51	-8	-12	-15	-25	63	-26	5	
*	*	*	*	-24	62	-27	3	
50	-7	-12	-13	-24	63	-27	6	
50	-7	-12	-13	-24	63	-26	5	
50	-7	-11	-12	-24	62	-27	5	
49	-7	-12	-13	-23	63	-27	7	
49	-5	-10	-12	-24	61	-27	6	
49	-5	-10	-12	-23	62	-27	7	
48	-5	-10	-13	-21	62	-28	7	
48	-4	-9	*	*	*	*	*	
48	-2	-8	-10	-21	63	-28	7	
47	-3	-10	-10	-21	62	-28	9	
47	-2	-8	-9	-21	64	-29	7	
47	-3	-7	-10	-20	64	-25	6	
47	-1	-7	-9	-21	62	-25	7	
46	-2	-7	-8	-20	62	-22	2	
46	-1	-7	-7	-19	60	-21	3	
*	*	*	*	*	*	*	*	
45	0	-5	-6	-19	61	-19	5	
45	0	-5	-5	-19	59	-19	5	
45	0	-5	-6	-19	59	-19	4	
46	1	-5	-5	-18	59	-17	5	
45	0	-5	-6	-19	59	-15	5	

2

CN	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C
241	78	55	0	-5	-6
242	79	15	1	-5	-5
243	79	35	1	-4	-6
244	79	54	1	-3	-5
245	*	*	*	*	*
246	80	34	1	-3	-4
247	80	54	1	-3	-5
248	81	13	1	-4	-6
249	81	33	1	-3	-5
250	81	53	1	-3	-4
251	82	12	2	-2	1
252	82	32	3	0	4

3 E	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COM- PRESS CASING TEMP DEG.C	7-12 ENG.1 COM- PRESS CASING TEMP DEG.C
	0	-5	-6	-19	53	-17	4	*
	1	-5	-5	-20	57	-16	4	
	1	-4	-6	-19	58	-17	5	
	1	-3	-5	-20	59	-17	4	
	*	*	*	*	59	-15	5	
	1	-3	-4	-19	59	-14	-5	
	1	-3	-5	-17	58	-12	-9	
	1	-4	-6	-14	55	-11	-14	
	1	-3	-5	-9	53	-12	-13	
	1	-3	-4	-5	52	-12	-12	
	2	-2	1	-2	51	-12	-10	
	3	0	4	3	50	-10	-9	

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
13 MAY 70
-45 DEG.F. RUN NO. 15
TAPE 086 1 FILE

CN	7-13 ENG.1 COM-PRESS CASING TEMP DEG.C	7-14 ENG.1 COM-PRESS CASING TEMP DEG.C	7-15 ENG.1 COM-PRESS CASING TEMP DEG.C	7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	E P CA D
1	*	*	-41	-41	-41	
2			-40	-39	-41	
3			-40	-41	-41	
4			-41	-41	-41	
5			-41	-41	-41	
6			-41	-41	-42	
7			-41	-41	-41	
8			-41	-41	-42	
9			-41	-40	-42	
10			-39	-41	-41	
11			-41	-41	-41	
12			-41	-41	-41	
13			-41	-41	-41	
14			-41	-41	-41	
15			-41	-41	-42	
16			-40	-40	-41	
17			-41	-41	-42	
18			-41	-41	-41	
19			-41	-41	-41	
20			-41	-41	-42	
21			-41	-41	-41	
22			-41	-40	-39	
23			-41	-41	-41	
24			-39	-39	-41	
25			-40	-40	-41	
26			-41	-40	-41	
27			-40	-41	-42	
28			-40	-42	-41	
29			-41	-41	-41	
30			-41	-41	-41	
31			-41	*	*	
32			-41	-41	-40	
33			-41	-41	-41	
34			*	*	*	
35			-41	-41	-41	
36			-40	-40	-41	
37			-40	-39	-41	
38			-41	-40	-41	
39			-41	-41	-41	
40			-41	-39	-41	

5	7-16	7-17	7-21	7-22	7-23	7-24	7-25	7-26
1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
-	COM-	COM-	COM-	GAS	GAS	GAS	POWER	POWER
S	PRESS	PRESS	PRESS	GEN.	GEN.	GEN.	TURB.	TURB.
&	CASING	CASING	CASING	TURB.	TURB.	TURB.	CASING	CASING
P	TEMP	TEMP	TEMP	CASING	CASING	CASING	TEMP	TEMP
C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
	-41	-41	-42	-4[illegible]	-40	-40	-40	-41
	-39	-41	-41	-4[illegible]	-40	-40	-40	-39
	-41	-41	-41	-41	-41	-40	-40	-41
	-41	-41	-41	-4[illegible]	-40	-39	-41	-40
	-41	-41	-42	-40	-41	-39	-41	-40
	-41	-41	-41	-40	-40	-39	-41	-41
	-41	-41	-41	-41	-40	-40	-41	-41
	-41	-42	-41	-41	-41	-41	-41	-41
	-40	-42	-41	-41	-40	-41	-41	-41
	-41	-41	-41	-39	-39	-39	-39	-41
	-41	-41	-41	-39	-40	-39	-40	-41
	-41	-41	-41	-39	-41	-39	-39	-41
	-41	-41	-41	-41	-41	-41	-40	-41
	-41	-41	-41	-41	-40	-39	-41	-41
	-41	-42	-41	-41	-41	-39	-40	-41
	-40	-41	-41	-41	-41	-40	-41	-41
	-41	-42	-41	-41	-40	-40	-41	-41
	-41	-41	-42	-41	-40	-39	-39	-40
	-41	-41	-42	-41	-41	-40	-40	-41
	-41	-42	-41	-41	-41	-40	-41	-41
	-41	-41	-41	-40	-40	-40	-41	-41
	-40	-39	-41	-41	-40	-39	-41	-40
	-41	-41	-41	-41	-41	-40	-41	-41
	-39	-41	-41	-41	-40	-39	-39	-40
	-40	-41	-42	-41	-41	-40	-40	-41
	-40	-41	-41	-40	-40	-41	-41	-40
	-41	-42	-40	-40	-39	-39	-41	-41
	-42	-41	-41	-40	*	*	*	*
	-41	-41	-41	-41	-41	-40	-41	-41
	-41	-41	-41	-4[illegible]	-41	-39	-41	-41
	*	*	*	*	*	*	*	-41
	-41	-40	-41	-41	-41	-39	-40	-41
	-41	-41	-40	-41	-41	-39	-41	-41
	*	*	-39	-41	-41	-39	-41	-41
	-41	-41	-40	-40	-39	-39	-40	-41
	-40	-41	-41	-41	-41	-38	-38	-41
	-39	-41	-41	-40	-40	-39	-40	-41
	-40	-41	-41	-41	-41	-40	-39	-40
	-41	-41	-41	-40	-40	-40	-40	-41
	-39	-41	-40	-39	-40	-38	-40	-40

CN	7-13 ENG.1 COM-PRESS CASING TEMP DEG.C	7-14 ENG.1 COM-PRESS CASING TEMP DEG.C	7-15 ENG.1 COM-PRESS CASING TEMP DEG.C	7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7-2 ENG. COM PRES CASIN TEM DEG.
41	*	*	-39	-38	-41	-39
42			-39	-38	-39	-40
43			-39	-39	-39	-39
44			-39	-38	-39	-39
45			-38	-38	-38	-39
46			-39	-39	-38	-38
47			*	*	*	*
48			-38	-38	-37	-36
49			-38	-38	-37	-38
50			-39	-37	-38	-37
51			-39	-38	-38	-38
52			-38	-38	-37	-37
53			-37	-38	-37	-39
54			-39	-38	-37	-37
55			-39	-39	-37	-38
56			-39	-37	-37	-37
57			*	*	*	*
58			-39	-38	-36	-37
59			-38	-37	-37	-37
60			-38	-37	-36	-36
61			-36	-36	-34	-37
62			-37	-36	-31	-37
63			-37	-35	-31	-37
64			-36	-35	-31	-37
65			-36	-36	-30	-37
66			-37	-36	-29	-37
67			-36	-36	-29	-37
68			-36	-35	-28	-37
69			-36	-35	-28	-37
70			-36	-34	-27	-37
71			-36	-33	-27	-37
72			-36	-34	-26	-37
73			-35	-33	-27	-37
74			-35	-33	-27	-37
75			-34	-33	-26	-37
76			-35	-34	-26	-37
77			-35	-33	-26	-37
78		*	-35	-33	-26	-37
79		-28	-35	-33	-24	-37
80		-26	-35	-33	-24	-37
81		-27	-35	-32	-24	-37
82		-27	-35	-32	-24	-27
83		-26	-35	-32	-23	-37
84		-27	-34	-32	-23	-27
85		*	*	*	*	-27
86		-26	-35	-31	-23	-27
87		-26	-33	-31	-23	-27
88		-25	-33	-31	-22	-27
89		-26	-35	-31	-23	-27
90		-25	-34	-31	-22	-27

-15 .1 M- ESS ING MP .C	7-16 ENG.1 COM- PRESS CASING TEMP DEG.C	7-17 ENG.1 COM- PRESS CASING TEMP DEG.C	7-21 ENG.1 COM- PRESS CASING TEMP DEG.C	7-22 ENG.1 GAS GEN. TURB. CASING DEG.C	7-23 ENG.1 GAS GEN. TURB. CASING DEG.C	7-24 ENG.1 GAS GEN. TURB. CASING DEG.C	7-25 ENG.1 POWER TURB. CASING TEMP DEG.C	7-26 ENG.1 POWER TURB. CASING TEMP DEG.C
9	-38	-41	-39	-40	-39	-39	-39	-41
9	-38	-39	-40	-41	-40	-39	-39	-40
9	-39	-39	-39	-39	-39	-39	-40	-40
9	-38	-39	-39	-39	-39	*	*	*
8	-38	-38	-39	-39	-39	-39	-39	-39
9	-39	-38	-38	-39	-40	-38	-38	-40
*	*	*	*	*	-39	-38	-39	-39
8	-38	-37	-38	-39	-38	-37	-38	-40
8	-38	-37	-38	-39	-39	-38	-38	-39
9	-37	-38	-37	-39	-39	-38	-39	-39
9	-38	-38	-38	-39	-39	-38	-38	-39
8	-38	-37	-37	-39	-39	-38	-39	-39
7	-38	-37	-39	-39	-39	-37	-38	-38
9	-38	-37	-37	-40	-39	-39	-39	-39
9	-39	-37	-38	-39	-39	-38	-38	-39
9	-37	-37	-37	-39	-39	-38	-39	-39
*	*	*	*	*	*	*	-37	-39
9	-38	-36	-37	-39	-40	-38	-38	-39
8	-37	-37	-37	-39	-38	-39	-37	-39
8	-37	-36	-36	-37	-38	-37	-38	-38
6	-36	-34	-35	-36	-37	-35	-37	-38
7	-36	-31	-35	-37	-37	-36	-37	-39
7	-35	-31	-35	-37	-37	-35	-37	-37
6	-35	-31	-34	-37	*	*	*	*
6	-36	-30	-33	-36	-36	-35	-36	-37
7	-36	-29	-33	-37	-37	-36	-36	-37
6	-36	-29	-32	-36	-37	-35	-35	-37
6	-35	-28	-33	-36	-37	-35	-36	-37
6	-35	-28	-32	-35	-37	-35	-35	-37
6	-34	-27	-32	-36	-36	-35	-36	-37
6	-33	-27	-31	-37	-36	-35	*	*
6	-34	-26	-31	-36	-36	-35	-35	-36
6	-33	-27	-32	-36	-35	-32	-34	-36
5	-33	-27	-30	-34	-33	-33	-34	-35
4	-33	-26	-31	-33	-35	-33	-34	-36
5	-34	-26	-31	-35	-35	-32	-33	-35
5	-33	-26	-31	-33	-34	-33	-34	-34
5	-33	-26	-30	*	*	*	*	*
5	-33	-24	-30	-34	-35	-33	-33	-35
5	-33	-24	-30	-33	-34	-32	-33	-35
5	-32	-24	-30	-33	-33	-32	-33	-35
5	-32	-24	-29	-34	-35	-32	-33	-34
5	-32	-23	-30	-34	-34	-32	-32	-35
4	-32	-23	-29	-33	-35	-32	-33	-34
4	*	*	-29	-33	-35	-32	-33	-35
5	-31	-23	-29	-33	-35	-32	-33	-35
5	-31	-23	-29	-33	-35	-32	-33	-35
5	-31	-22	-28	-32	-34	-33	-33	-35
5	-31	-23	-28	-33	*	*	*	*
4	-31	-22	-27	-33	-33	-33	-33	-34

CN	7-13 ENG.1 COM-PRESS CASING TEMP DEG.C	7-14 ENG.1 COM-PRESS CASING TEMP DEG.C	7-15 ENG.1 COM-PRESS CASING TEMP DEG.C	7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7- ENG CO PRE CASI TE DEG
91	*	-25	-35	-31	-21	-2
92		-24	-33	-30	-21	-2
93		-25	-33	-31	-21	-2
94		-24	-33	-31	-21	-2
95		-24	-33	-30	-21	-2
96		-24	-33	-31	-22	-2
97		-25	-33	-30	-21	-2
98		-24	-33	-30	-22	-2
99		-24	-33	-29	-21	-2
100		*	*	-30	-21	-2
101		-24	-32	-30	-21	-2
102		-24	-33	-30	-21	-2
103		-24	-33	-30	-22	-2
104		*	*	*	*	-2
105		-23	-33	-30	-21	-2
106		-24	-32	-29	-22	-2
107		-23	-32	-29	-21	-2
108		*	*	*	-22	-2
109		-26	-30	-29	-23	-2
110		-24	-25	-22	-22	-2
111		-23	-21	-19	-20	-1
112		*	-20	-18	-19	-1
113		-23	-20	-17	-18	-1
114		-24	-19	-17	-18	-1
115		-23	-19	-17	-19	-1
116		-24	-19	-17	-19	-1
117		-23	-18	-17	-18	-1
118		-24	-18	-17	-17	-1
119		-24	-18	-18	-18	-1
120		-26	-21	-19	-19	-1
121		-27	-24	-23	-20	-1
122		-27	-25	-25	-20	-1
123		-26	-26	-25	-20	-1
124		-26	-24	-25	-19	-1
125		-25	-25	-26	-19	
126		-25	-26	-24	-19	-
127		-25	-25	-25	-18	-
128		-25	-26	-26	-18	-
129		*	*	*	*	-
130		-23	-24	-25	-18	-
131		-23	-25	-25	-17	-
132		-23	-25	-24	-18	-
133		-24	-25	-25	-18	-
134		-23	-26	-25	-17	-
135		-22	-26	-25	-18	-
136		-22	-26	-24	-17	-
137		-21	-25	-25	-17	-
138		*	*	*	*	-
139		-21	-25	-24	-17	-
140		-21	-26	-24	-18	-

7-15 ENG.1 COM-PRESS SING TEMP EG.C	7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7-21 ENG.1 COM-PRESS CASING TEMP DEG.C	7-22 ENG.1 GAS GEN. TURB. CASING DEG.C	7-23 ENG.1 GAS GEN. TURB. CASING DEG.C	7-24 ENG.1 GAS GEN. TURB. CASING DEG.C	7-25 ENG.1 POWER TURB. CASING TEMP DEG.C	7-26 ENG.1 POWER TURB. CASING TEMP DEG.C
-35	-31	-21	-27	-33	-33	-32	-33	-34
-33	-30	-21	-27	-33	-34	-32	-33	-33
-33	-31	-21	-26	-33	-34	-32	-33	-34
-33	-31	-21	-27	-33	-33	-32	-32	-34
-33	-30	-21	-26	-32	-33	-32	-32	-33
-33	-31	-22	-27	-33	-33	-32	-32	-34
-33	-30	-21	-26	-33	-33	-31	-32	-33
-33	-30	-22	-26	-33	-34	-32	-32	-33
-33	-29	-21	-27	-32	-34	-32	-32	-33
*	-30	-21	-27	-32	-33	-32	-33	-33
-32	-30	-21	-27	-33	-34	-32	-32	-33
-33	-30	-21	-26	-33	-33	-32	-32	-34
-33	-30	-22	-26	-32	-34	-32	-32	-33
*	*	*	-26	-33	-34	-32	-32	-34
-33	-30	-21	-26	-33	-33	-32	-33	-34
-32	-29	-22	-26	-33	-34	-32	-32	-34
-32	-29	-21	-26	-32	-33	-32	-32	-34
*	*	-22	-26	-32	-33	-32	-32	-33
-30	-29	-23	-27	-13	-15	-16	-21	-26
-25	-22	-22	-23	35	30	32	15	0
-21	-19	-20	-19	65	59	63	51	28
-20	-18	-19	-17	82	75	82	86	57
-20	-17	-18	-14	90	86	92	116	83
-19	-17	-18	-13	94	92	95	139	107
-19	-17	-19	-13	98	94	99	158	127
-19	-17	-19	-12	99	98	101	174	144
-18	-17	-18	-12	101	100	104	186	156
-18	-17	-17	-11	102	100	105	196	167
-18	-18	-18	-12	103	101	105	203	175
-21	-19	-19	-12	104	104	104	204	179
-24	-23	-20	-15	106	108	105	196	174
-25	-25	-20	-18	106	110	106	188	167
-26	-25	-20	-19	107	110	106	180	163
-24	-25	-19	-20	108	109	105	173	159
-25	-26	-19	*	*	*	*	*	*
-26	-24	-19	-19	106	106	102	160	152
-25	-25	-18	-19	105	105	102	155	149
-26	-26	-18	-19	105	104	100	150	145
*	*	*	-20	103	103	99	146	142
-24	-25	-18	-19	103	103	99	142	138
-25	-25	-17	-19	101	101	97	138	136
-25	-24	-18	-19	100	100	96	135	133
-25	-25	-18	-18	100	99	95	131	129
-26	-25	-17	-19	99	98	94	127	127
-26	-25	-18	-19	98	97	94	124	124
-26	-24	-17	-17	96	96	93	121	121
-25	-25	-17	-18	95	95	92	118	119
*	*	*	-17	95	95	92	115	116
-25	-24	-17	-18	93	94	91	113	114
-26	-24	-18	-17	93	92	90	111	112

CN	7-13 ENG.1 COM-PRESS CASING TEMP DEG.C	7-14 ENG.1 COM-PRESS CASING TEMP DEG.C	7-15 ENG.1 COM-PRESS CASING TEMP DEG.C	7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7-21 ENG.1 COM-PRESS CASING TEMP DEG.C
141	*	-21	-24	-24	-18	-17
142		-20	-24	-23	-18	-18
143		-20	-25	-24	-18	-17
144		-21	-24	-24	-18	-17
145		-21	-24	-24	-18	-18
146		-21	-24	-24	-18	-17
147		-20	-24	-23	-18	-18
148		-20	-24	-24	-18	-17
149		-20	-24	-24	-18	-17
150		-20	-25	-23	-18	-18
151		-20	-24	-22	-19	-17
152		*	*	*	*	*
153		-20	-24	-23	-18	-18
154		-19	-24	-23	-18	-18
155		-20	-24	-23	-17	-18
156		-20	-24	-23	-17	-18
157		-19	-23	-23	-17	*
158		-20	-23	-23	-17	-18
159		-19	-23	-22	-18	-18
160		-20	-23	-21	-18	-18
161		-20	-23	-21	-18	-18
162		-19	-24	-21	-17	*
163		-19	-23	-22	-17	-18
164		-19	-24	-22	-18	-17
165		-19	-22	-21	-18	-18
166		-23	-25	-24	-19	-18
167		-23	-23	-21	-19	*
168		-23	-20	-19	-19	-17
169		-22	-19	-17	-18	-15
170		-19	-15	-13	-17	-12
171		-7	-5	-5	-10	-4
172		-2	*	*	*	*
173		1	4	5	-3	23
174		3	6	6	-2	31
175		6	10	9	2	37
176		5	10	10	3	42
177		*	*	*	5	43
178		5	12	11	5	45
179		6	13	12	6	45
180		5	14	12	6	45
181		6	14	13	7	47
182		7	15	13	9	47
183		6	15	14	8	48
184		8	15	15	8	48
185		7	15	12	10	49
186		7	15	13	8	48
187		8	15	14	9	48
188		*	*	*	*	46
189		2	7	5	5	35
190		2	7	6	4	31

7-15 ENG.1 COM-PRESS CASING TEMP DEG.C	7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7-21 ENG.1 CCM-PRESS CASING TEMP DEG.C	7-22 ENG.1 GAS GEN. TURB. CASING DEG.C	7-23 ENG.1 GAS GEN. TURB. CASING DEG.C	7-24 ENG.1 GAS GEN. TURB. CASING DEG.C	7-25 ENG.1 POWER TURB. CASING TEMP DEG.C	7-26 ENG.1 POWER TURB. CASING TEMP DEG.C
-24	-24	-18	-17	91	91	90	108	109
-24	-23	-18	-18	91	91	90	106	107
-25	-24	-18	-17	90	*	*	*	*
-24	-24	-18	-17	89	89	88	100	101
-24	-24	-18	-18	89	88	87	99	99
-24	-24	-18	-17	87	87	87	96	97
-24	-23	-18	-18	86	86	86	94	94
-24	-24	-18	-17	85	85	85	93	93
-24	-24	-18	-17	85	85	85	90	90
-25	-23	-18	-18	83	83	84	89	89
-24	-22	-19	-17	83	82	84	87	87
*	*	*	*	82	81	83	84	85
-24	-23	-18	-18	81	81	82	83	83
-24	-23	-18	-18	79	80	82	81	81
-24	-23	-17	-18	79	79	81	79	79
-24	-23	-17	-18	78	78	80	77	78
-23	-23	-17	*	*	*	*	*	*
-23	-23	-17	-18	77	76	80	74	74
-23	-22	-18	-18	76	76	79	73	73
-23	-21	-18	-18	75	75	79	71	72
-23	-21	-18	-18	74	74	77	70	69
-24	-21	-17	*	*	*	*	*	*
-23	-22	-17	-18	73	73	77	66	67
-24	-22	-18	-17	73	72	76	65	65
-22	-21	-18	-18	73	71	76	65	62
-25	-24	-19	-18	59	59	65	65	62
-23	-21	-19	*	*	*	*	*	*
-20	-19	-19	-17	81	79	84	114	91
-19	-17	-18	-15	93	90	94	140	110
-15	-13	-17	-12	112	109	112	163	128
-5	-5	-10	-4	165	161	163	191	150
*	*	*	*	*	*	187	218	169
4	5	-3	23	204	198	202	242	187
6	6	-2	31	208	203	207	263	204
10	9	2	37	212	208	211	278	218
10	10	3	42	212	209	212	287	230
*	*	5	43	211	209	212	295	238
12	11	5	45	213	210	214	300	246
13	12	6	45	214	212	215	304	252
14	12	6	45	213	212	215	308	257
14	13	7	47	214	213	215	310	260
15	13	9	47	216	216	216	311	263
15	14	8	48	*	*	*	*	*
15	15	8	48	217	217	217	314	266
15	12	10	49	215	214	217	316	268
15	13	8	48	214	215	216	315	269
15	14	9	48	218	218	220	318	270
*	*	*	45	195	197	197	310	267
7	5	5	35	187	188	187	292	257
7	6	4	31	190	189	191	281	251

CN	7-13 ENG.1 COM-PRESS CASING TEMP DEG.C	7-14 ENG.1 COM-PRESS CASING TEMP DEG.C	7-15 ENG.1 COM-PRESS CASING TEMP DEG.C	7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7- ENG COM PRE CASI TE DEG
191	*	1	7	4	4	3
192		2	7	5	4	3
193		2	8	6	5	3
194		*	*	*	*	
195		-3	3	4	4	3
196		0	2	2	0	2
197		1	3	3	1	2
198		2	5	3	3	2
199		2	7	5	3	2
200		3	*	*	*	
201		3	6	6	4	2
202		6	12	9	5	3
203		6	7	6	4	3
204		6	6	5	6	3
205		7	5	4	5	2
206		*	*	*	*	2
207		7	7	5	6	2
208		10	6	5	9	2
209		9	7	6	8	3
210		11	8	8	9	3
211		11	11	10	10	3
212		13	13	11	11	3
213		17	14	13	*	
214		16	13	13	15	3
215		17	12	11	15	3
216		17	12	12	15	3
217		17	11	12	15	3
218		17	13	13	15	3
219		18	11	13	16	3
220		20	15	15	*	
221		20	15	16	17	3
222		20	15	16	18	3
223		24	16	18	20	4
224		25	17	20	22	4
225		25	17	20	21	4
226		25	18	20	24	4
227		*	*	*	23	4
228		26	18	22	24	4
229		29	20	24	23	4
230		25	17	20	24	4
231		20	13	14	20	3
232		19	16	13	19	3
233		11	9	10	17	3
234		7	10	7	11	2
235		8	11	9	11	2
236		12	13	11	*	
237		14	15	13	15	3
238		15	15	13	15	3
239		15	16	15	16	3
240		16	16	15	16	3

7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7-21 ENG.1 COM-PRESS CASING TEMP DEG.C	7-22 ENG.1 GAS GEN. TURB. CASING DEG.C	7-23 ENG.1 GAS GEN. TURB. CASING DEG.C	7-24 ENG.1 GAS GEN. TURB. CASING DEG.C	7-25 ENG.1 POWER TURB. CASING TEMP DEG.C	7-26 ENG.1 POWER TURB. CASING TEMP DEG.C
4	4	30	187	186	187	273	245
5	4	30	190	189	191	270	240
6	5	31	192	191	193	267	237
*	*	*	*	*	200	268	237
4	4	35	177	177	178	266	234
2	0	24	169	170	170	258	229
3	1	21	179	180	179	253	227
3	3	25	185	183	184	252	224
5	3	26	186	185	186	251	223
*	*	*	*	*	*	250	223
6	4	28	188	187	188	251	223
9	5	32	205	200	202	257	226
6	4	33	201	198	205	275	234
5	6	30	195	193	196	287	240
4	5	28	190	188	191	290	244
*	*	27	193	189	193	295	247
5	6	27	197	192	194	297	249
5	9	28	202	198	201	299	252
6	8	30	204	203	206	303	255
8	9	30	210	207	209	306	256
10	10	31	217	214	216	309	258
11	11	33	233	226	229	319	264
13	*	*	*	*	*	*	*
13	15	36	237	228	233	345	279
11	15	36	237	221	227	353	285
12	15	36	235	222	228	358	287
12	15	36	233	222	226	359	289
13	15	35	237	226	231	361	291
13	16	35	237	224	231	362	292
15	*	*	*	*	*	*	295
16	17	39	246	236	239	368	296
16	18	38	246	235	240	371	297
18	20	40	263	249	249	380	302
20	22	40	264	252	251	390	310
20	21	43	266	248	251	398	314
20	24	41	263	246	248	404	317
*	23	42	265	248	248	405	320
22	24	42	266	251	*	*	*
24	23	43	268	255	255	408	323
20	24	42	255	242	247	406	322
14	20	39	225	223	227	388	317
13	19	35	224	224	224	369	307
10	17	34	207	206	209	353	298
7	11	27	197	198	195	331	286
9	11	27	200	199	197	314	275
11	*	*	*	*	*	303	266
13	15	33	203	202	199	296	259
13	15	35	203	202	200	290	254
15	16	37	203	203	199	286	250
15	16	39	204	202	199	282	247

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CN	7-13 ENG.1 COM-PRESS CASING TEMP DEG.C	7-14 ENG.1 COM-PRESS CASING TEMP DEG.C	7-15 ENG.1 COM-PRESS CASING TEMP DEG.C	7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7-21 ENG.1 COM-PRESS CASING TEMP DEG.C
241	*	16	16	16	18	40
242		15	16	15	18	40
243		16	18	17	18	42
244		16	18	17	19	43
245		16	19	16	20	43
246		*	*	*	*	*
247		-4	1	3	6	28
248		-8	-2	-3	1	15
249		-8	-4	-5	-2	8
250		-7	-4	-5	-2	6
251		-5	-3	-4	-3	6
252		-4	0	-2	0	6

7-15 ENG.1 COM-PRESS CASING TEMP DEG.C	7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7-21 ENG.1 COM-PRESS CASING TEMP DEG.C	7-22 ENG.1 GAS GEN. TURB. CASING DEG.C	7-23 ENG.1 GAS GEN. TURB. CASING DEG.C	7-24 ENG.1 GAS GEN. TURB. CASING DEG.C	7-25 ENG.1 POWER TURB. CASING TEMP DEG.C	7-26 ENG.1 POWER TURB. CASING TEMP DEG.C
16	16	18	40	204	202	199	280	244
16	15	18	40	203	202	198	278	241
18	17	18	42	203	204	199	277	241
18	17	19	43	203	203	198	276	239
19	18	20	43	203	201	197	277	239
*	*	*	*	179	177	177	273	237
1	3	6	28	169	169	164	270	*
-2	-3	1	15	171	174	163	261	232
-4	-5	-2	8	174	175	162	250	225
-4	-5	-2	6	173	173	162	240	218
-3	-4	-3	6	173	173	161	231	212
0	-2	0	6	173	170	161	225	208

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CN	7-27 ENG.1 POWER TURB. CASING TEMP DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
1	-39	-41
2	-39	-41
3	-39	-41
4	-39	-41
5	-39	-41
6	-40	-41
7	-40	-41
8	-40	-41
9	-40	-41
10	-39	-41
11	-39	-41
12	-39	-41
13	-40	-41
14	-40	-42
15	-40	-41
16	-39	-41
17	-40	-41
18	-39	-41
19	-39	-41
20	-40	-41
21	-40	-42
22	-39	-41
23	-40	-41
24	-39	-42
25	-39	-41
26	-39	-41
27	-39	-41
28	*	*
29	-39	-41
30	-39	-40
31	-40	-41
32	-39	-41
33	-39	-41
34	-40	-41
35	-40	-41
36	-40	-40
37	-39	-41
38	-39	-40
39	-39	-39
40	-37	-40

CN	7-27 ENG.1 POWER TURB. CASING TEMP DEG.C	7-28 ENG.1 T5 HARNESS TEMP DEG.C
41	-39	-41
42	-39	-39
43	-38	-40
44	*	*
45	-38	-40
46	-39	-39
47	-39	-39
48	-37	-39
49	-37	-39
50	-38	-39
51	-39	-39
52	-37	-39
53	-37	-39
54	-37	-39
55	-37	-38
56	-38	-39
57	-37	-38
58	-37	-39
59	-37	-38
60	-37	-38
61	-37	-38
62	-36	-38
63	-36	-37
64	*	*
66	-36	-37
65	-36	-37
67	-35	-37
68	-35	-37
69	-36	-37
70	-35	-37
71	*	*
72	-36	-37
73	-33	-37
74	-34	-37
75	-33	-36
76	-34	-36
77	-33	-35
78	*	*
79	-33	-36
80	-33	-36
81	-33	-36
82	-33	-35
83	-32	-35
84	-32	-36
85	-32	-35
86	-32	-35
87	-32	-35
88	-32	-35
89	*	*
90	-32	-35

CN	7-27 ENG.1 POWER TURB. CASING TEMP DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
91	-32	-33
92	-32	-33
93	-32	-33
94	-31	-34
95	-32	-33
96	-32	-33
97	-32	-33
98	-32	-33
99	-31	-33
100	-32	-33
101	-31	-32
102	-31	-32
103	-31	-32
104	-31	-32
105	-31	-32
106	-31	-32
107	-31	-32
108	-31	-31
109	-22	-32
110	10	-30
111	43	-30
112	74	-28
113	98	-28
114	115	-26
115	130	-25
116	143	-22
117	155	-21
118	164	-19
119	172	-17
120	175	-15
121	168	*
122	159	-14
123	155	-12
124	150	-10
125	*	-8
126	145	-6
127	142	-5
128	140	-5
129	139	-4
130	136	-3
131	135	0
132	132	0
133	131	0
134	*	*
135	128	1
136	127	1
137	125	3
138	123	3
139	123	4
140	121	4

CN	7-27 ENG.1 POWER TURB. CASING TEMP DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
141	120	5
142	119	4
143	*	*
144	116	5
145	114	5
146	113	5
147	112	5
148	110	5
149	110	5
150	109	6
151	107	5
152	106	5
153	104	5
154	103	6
155	103	6
156	101	5
157	100	5
158	100	6
159	98	6
160	98	6
161	96	6
162	*	6
163	95	6
164	94	5
165	93	5
166	91	5
167	*	4
168	120	4
169	137	4
170	151	4
171	161	7
172	176	9
173	191	11
174	204	15
175	217	20
176	224	22
177	232	27
178	237	29
179	241	32
180	245	35
181	247	38
182	249	40
183	*	*
184	252	44
185	253	47
186	253	49
187	256	50
188	254	51
189	244	52
190	237	52

CN	7-27 ENG.1 POWER TURB. CASING TEMP DEG.C	7-28 ENG.1 T5 HARNESS TEMP DEG.C
191	232	52
192	231	52
193	230	53
194	229	54
195	230	53
196	223	53
197	219	53
198	219	53
199	219	53
200	221	52
201	221	52
202	219	52
203	229	52
204	231	52
205	233	52
206	232	51
207	233	50
208	234	50
209	236	50
210	238	49
211	243	50
212	252	49
213	262	52
214	270	53
215	273	54
216	277	54
217	278	53
218	280	54
219	284	54
220	285	53
221	286	53
222	290	54
223	293	55
224	300	55
225	304	56
226	307	56
227	309	57
228	*	*
229	312	59
230	313	59
231	305	58
232	290	57
233	277	56
234	262	57
235	253	57
236	244	59
237	239	59
238	235	58
239	233	59
240	231	59

CN	7-27 ENG.1 POWER TURB. CASING TEMP DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
241	229	60
242	228	61
243	230	61
244	227	63
245	226	63
246	228	62
247	*	*
248	224	60
249	215	62
250	208	63
251	203	63
252	200	64

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CN	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	E I EX D
1	0	15	-41	-42	
2	0	35	-41	-42	
3	0	55	-42	-42	
4	1	15	-42	-42	
5	1	34	-42	-42	
6	1	54	-42	-42	
7	2	14	-42	-42	
8	2	34	-42	-42	
9	2	53	-42	-42	
10	3	13	-41	-42	
11	3	33	-41	-42	
12	3	53	-41	-42	
13	4	12	-43	-42	
14	4	32	-42	-42	
15	4	52	-41	-42	
16	5	12	-42	-42	
17	5	31	-41	-42	
18	5	51	-42	-42	
19	6	11	-42	-42	
20	6	30	-41	-42	
21	6	50	-42	-42	
22	7	10	*	*	
23	7	30	-42	-42	
24	7	49	-42	-42	
25	*	*	*	*	
26	8	29	-41	-42	
27	8	48	-41	-42	
28	*	*	*	*	
29	9	28	-42	-42	
30	9	47	-41	-41	
31	10	7	-42	-42	
32	10	27	-42	-42	
33	10	47	-41	-41	
34	11	6	-41	-42	
35	11	26	-41	-42	
36	11	46	-41	-42	
37	12	5	-42	-42	
38	12	25	-41	-42	
39	12	45	-41	-41	
40	13	4	-41	-41	

-03	8-05	8-06	8-07	8-08	8-09	8-10	8-11	8-12
IME	ENG.2 IGNIT EXCITR SKIN TEMP	ENG.2 IGNIT EXCITR MOUNT TEMP	ENG.2 IGNIT EXCITR SKIN TEMP	ENG.2 FUEL CONTRL TEMP	ENG.2 LUBE PUMP TEMP	ENG.2 FUEL PUMP TEMP	ENG.2 COM-PRESS CASING TEMP	ENG.2 COM-PRESS CASING TEMP
EC.	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
5	-41	-42	-41	-41	-43	-43	-42	-42
5	-41	-42	-41	-41	-42	-42	-42	-42
5	-42	-42	-39	-42	-42	-42	-41	-43
5	-42	-42	-42	-42	-43	-42	-42	-42
4	-42	-42	-42	-41	-43	-42	-42	-42
4	-42	-42	-42	-42	-42	-42	-43	-42
4	-42	-42	-41	-42	-42	-42	-42	-42
4	-42	-42	-42	-41	-42	-43	-42	-42
3	-42	-42	-41	-41	-42	-43	-42	-42
3	-41	-42	-41	-41	-42	-42	-42	-41
3	-41	-42	-42	-41	-42	-42	-42	-42
3	-41	-42	-41	-41	-42	-42	-42	-42
2	-43	-42	-42	-41	-43	-42	-42	-42
2	-42	-42	-42	-42	-43	-42	-43	-42
2	-41	-42	-42	-42	-42	-43	-42	-42
2	-42	-42	-42	-41	-43	-42	-42	*
1	-41	-42	-41	-41	-42	-43	-42	-41
1	-42	-42	-41	-42	-43	-43	-41	-42
1	-42	-42	-42	*	*	*	*	*
0	-41	-42	-41	-41	-42	-43	-43	-42
0	-42	-42	-41	-41	-42	-42	-43	-41
0	*	*	*	*	*	*	*	*
0	-42	-42	-42	-41	-43	-42	-42	-42
9	-42	-42	-41	-41	-42	-42	-43	-41
*	*	*	*	*	*	*	*	*
9	-41	-42	-42	-42	-42	-43	-42	-42
8	-41	-42	-42	-42	-42	-42	-42	-42
*	*	*	-42	-41	-41	-42	-42	-42
8	-42	-42	-41	-41	-42	-42	-42	-41
7	-41	-41	-41	-42	-42	-41	-42	-42
7	-42	-42	-42	-41	-43	-42	-42	-41
7	-42	-42	-42	-41	-43	-42	-43	-41
7	-41	-41	-42	-41	-43	-42	-41	-41
6	-41	-42	-42	-41	-43	-41	-42	-41
6	-41	-42	-42	-41	-42	-42	-42	-42
6	-41	-42	-41	-41	-42	-42	-41	-41
5	-42	-42	-41	-41	-42	-42	-41	-42
5	-41	-42	-41	-41	-42	-43	-41	-41
5	-41	-41	-41	-39	-42	-41	-41	-41
4	-41	-41	-41	-39	-39	-41	-41	-38

2

CN	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8- ENG IGN EXCI SK TE DEG
41	13	24	-41	*	
42	13	44	-41	-41	-4
43	14	4	-41	-41	-4
44	*	*	*	-41	-4
45	14	43	-40	-41	-4
46	15	3	-39	-41	-4
47	15	22	-41	-41	-4
48	15	42	-40	-41	-4
49	16	2	-40	-41	-4
50	16	21	-41	-41	-4
51	16	41	-38	-41	-4
52	17	1	-39	-39	-4
53	17	20	-39	-39	-4
54	*	*	*	*	
55	18	0	-38	-39	-4
56	18	19	-38	-39	-4
57	18	39	-38	-39	-4
58	18	59	-37	-38	-4
59	19	18	-38	-38	-4
60	19	38	-38	-39	-4
61	19	58	-39	-39	-4
62	20	17	-38	-38	-4
63	20	37	-37	-38	-4
64	*	37	-37	-39	-4
65	21	16	-37	-38	-4
66	21	36	-37	-38	-4
67	21	56	-37	-39	-4
68	22	15	-37	-37	-4
69	22	35	-36	-37	-4
70	22	55	-37	-37	-4
71	*	*	*	*	
72	23	34	-37	-37	-4
73	23	54	-37	-37	-4
74	24	13	-36	-36	-4
75	24	33	-37	-37	-4
76	24	53	-37	-37	-4
77	25	12	-37	-37	-4
78	25	32	-36	-36	-4
79	25	52	-37	-37	-4
80	26	11	-37	-36	-4
81	26	31	-35	-37	-4
82	26	51	-36	-37	-4
83	27	10	-36	-37	-4
84	27	30	-37	-36	-4
85	27	50	-36	-36	-4
86	28	9	-37	-37	-4
87	28	29	-37	-37	-4
88	28	49	-36	-37	-4
89	*	8	-36	-36	-4
90	29	28	-36	-36	-4

-03 IME EC.	8-05 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C	8-08 ENG.2 FUEL CONTRL TEMP DEG.C	8-09 ENG.2 LUBE PUMP TEMP DEG.C	8-10 ENG.2 FUEL PUMP TEMP DEG.C	8-11 ENG.2 COM-PRESS CASING TEMP DEG.C	8-12 ENG.2 COM-PRESS CASING TEMP DEG.C
24	-41	*	*	*	*	*	*	*
44	-41	-41	-40	-41	-37	-42	-37	-37
4	-41	-41	-41	-41	-37	-41	-37	-37
*	*	-41	-41	-38	-32	-42	-36	-32
43	-40	-41	-40	-40	-33	-42	-33	-33
3	-39	-41	-40	-35	-28	-41	-32	-29
22	-41	-41	-40	-31	-21	-41	-30	-27
42	-40	-41	-41	-29	-16	-41	-30	-25
2	-40	-41	-41	-32	-19	-39	-27	-21
21	-41	-41	-40	-33	-21	-40	-28	-23
41	-38	-41	-39	-31	-20	-40	-25	-22
1	-39	-39	-40	-30	-14	-41	-24	-23
20	-39	-39	-39	-30	-13	-39	-23	-21
*	*	*	*	*	*	-38	-23	-20
0	-38	-39	-39	-31	-17	-39	-21	-19
29	-38	-39	-39	-32	-19	-39	-23	-19
39	-38	-39	-38	-32	-19	-39	-21	-20
59	-37	-38	-38	-32	-19	-38	-22	-20
18	-38	-38	-37	-32	-20	-39	-23	-19
38	-38	-39	-38	-31	-21	-39	-22	-19
58	-39	-39	-38	-32	-21	-38	-22	*
17	-38	-38	-38	-32	-21	-38	-21	-19
37	-37	-38	-38	-32	-21	-38	-23	-19
57	-37	-39	-38	-32	-22	-39	-23	-19
16	-37	-38	-37	-33	-21	-39	-21	-19
36	-37	-38	-37	-31	-22	-39	-21	-18
56	-37	-39	-37	-32	-21	-39	-21	-19
15	-37	-37	-37	-32	-22	-39	-21	-19
35	-36	-37	-37	-32	-21	-38	-21	-19
55	-37	-37	-37	-31	-22	-38	-21	-18
*	*	*	*	*	*	*	*	*
14	-37	-37	-37	-31	-22	-37	-21	-18
34	-37	-37	-36	-32	-22	-38	-21	-19
13	-36	-36	-37	-32	-23	-38	-22	-19
33	-37	-37	-36	-32	-22	-37	-21	-19
53	-37	-37	-37	-31	-23	-37	-21	-19
12	-37	-37	-37	-32	-23	-39	-22	-19
32	-36	-36	-37	-31	-23	-38	-21	-19
52	-37	-37	-36	-32	-24	-37	-22	-19
11	-37	-36	-37	-32	-23	-37	-22	-19
31	-35	-37	-37	-32	-22	-38	-21	-19
1	-36	-37	-37	-31	*	*	*	*
10	-36	-37	-36	-32	-23	-38	-21	-19
30	-37	-36	-36	-31	-23	-37	-23	-19
50	-36	-36	-36	-32	-23	-38	-22	-19
9	-37	-37	-36	-31	-24	-37	-22	-19
29	-37	-37	-36	-32	-23	-37	-22	-20
49	-36	-37	-36	-31	-23	-37	-23	-19
8	-36	-36	-37	-31	-23	-37	-23	-20
28	-36	-36	-36	-32	-23	-37	-23	-20

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CN	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-0 ENG. IGNI EXCITI SKI TEM DEG.
91	29	48	-36	-36	-36
92	30	8	-36	-36	-36
93	*	*	*	*	*
94	30	47	-36	-36	-37
95	31	7	-36	-35	-37
96	31	26	-36	-36	-36
97	31	46	-36	-35	-36
98	32	6	-35	-36	-36
99	32	25	-36	-36	-36
100	32	45	-35	-36	-36
101	33	5	-36	-36	-36
102	33	24	-36	-35	-36
103	33	44	-36	-35	-37
104	34	4	-36	-36	-37
105	34	24	-36	-35	-37
106	34	43	-36	-35	-36
107	35	3	-35	-35	-36
108	35	23	-36	-36	-36
109	35	42	-36	-36	-37
110	36	2	-35	-35	-36
111	36	22	-36	-36	-36
112	36	41	-35	-36	-36
113	37	1	-35	-35	-36
114	37	21	-36	-34	-36
115	37	41	-35	-36	-37
116	38	0	-34	-35	-36
117	38	20	*	*	*
118	38	40	-35	-34	-35
119	38	59	-36	-34	-35
120	39	19	-34	-33	-36
121	*	*	*	*	*
122	39	58	-35	-35	-36
123	40	18	-36	-34	-36
124	40	38	-34	-36	-36
125	40	57	-35	-35	-34
126	41	17	-34	-35	-36
127	41	37	-35	-35	-36
128	41	56	-35	-35	-36
129	42	16	-35	-36	-36
130	42	36	-35	-35	-36
131	42	55	-36	-33	-36
132	43	15	-35	-35	-35
133	43	35	-36	-35	-33
134	*	*	*	*	-36
135	44	14	-35	-35	-36
136	44	34	-35	-35	-36
137	44	54	-35	-35	-35
138	45	13	-36	-35	-36
139	45	33	-35	-34	-35
140	45	53	-33	-34	-35

8-05 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C	8-08 ENG.2 FUEL CONTRL TEMP DEG.C	8-09 ENG.2 LUBE PUMP TEMP DEG.C	8-10 ENG.2 FUEL PUMP TEMP DEG.C	8-11 ENG.2 COM-PRESS CASING TEMP DEG.C	8-12 ENG.2 COM-PRESS CASING TEMP DEG.C
-36	-36	-36	-31	-23	-37	-21	-20
-36	-36	-36	-32	-23	-37	-22	-20
*	*	*	*	*	*	-23	-20
-36	-36	-37	-31	-23	-37	-21	-19
-36	-35	-37	-31	-23	-36	-23	-20
-36	-36	-36	-32	-24	-37	-22	-20
-36	-35	-36	*	*	*	*	*
-35	-36	-36	-31	-23	-37	-23	-20
-36	-36	-36	-32	-24	-37	-22	-21
-35	-36	-36	-32	-22	-37	-22	-21
-36	-36	-36	-32	-23	-36	-23	-21
-36	-35	-36	-32	-23	-37	-24	-21
-36	-35	-37	-31	-23	-37	-23	-21
-36	-36	-37	-31	-24	-37	-24	-20
-36	-35	-37	-31	-23	-36	-24	-21
-36	-35	-36	-31	-23	-36	-24	-21
-35	-35	-36	-31	-23	-37	-24	-21
-36	-36	-36	-31	-24	-37	-25	-23
-36	-36	-37	-31	-24	-37	-24	-23
-35	-35	-36	-31	-23	-36	-25	-21
-36	-36	-36	-31	-24	-37	-25	-23
-35	-36	-36	-31	-23	-37	-24	-23
-35	-35	-36	-31	-24	*	*	*
-36	-34	-36	-31	-24	-36	-25	-22
-35	-36	-37	-31	-24	-36	-25	-24
-34	-35	-36	-31	-25	-36	-25	-22
*	*	*	*	*	*	*	*
-35	-34	-35	-31	-23	-36	-25	-24
-36	-34	-35	-31	-24	-36	-25	-25
-34	-33	-36	-30	-24	-36	-26	-24
*	*	*	*	*	*	*	*
-35	-35	-36	-30	-24	-35	-27	-24
-36	-34	-36	-31	-25	-36	-26	-25
-34	-36	-36	-32	-24	-36	-26	-25
-35	-35	-34	-31	-24	-37	-26	-25
-34	-35	-36	-31	-23	-36	-26	-26
-35	-35	-36	-31	-24	-36	-27	-25
-35	-35	-36	-30	-25	-36	-26	-25
-35	-36	-36	-31	-24	-36	-27	-25
-35	-35	-36	-30	-24	-36	-26	*
-36	-33	-36	-31	-25	-36	-27	-26
-35	-35	-35	-31	-25	-36	-28	-26
-36	-35	-33	-31	-25	-37	-28	-26
*	*	-36	-31	-25	-36	-27	-26
-35	-35	-36	-31	-25	-36	-28	-26
-35	-35	-36	-30	-25	-36	-28	-25
-35	-35	-35	-31	-25	-36	-28	-26
-36	-35	-36	-31	-25	-35	-29	-26
-35	-34	-35	-31	-25	-35	-28	*
-33	-34	-35	-30	-25	-35	-28	-27

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CN	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	E
141	46	12	-33	-33	
142	46	32	-35	-34	
143	*	*	*	*	
144	47	11	-35	-35	
145	47	31	-34	-35	
146	47	51	-35	-34	
147	48	10	-33	-35	
148	48	30	*	*	
149	48	50	-35	-34	
150	49	9	-34	-35	
151	49	29	-35	-35	
152	49	47	-34	-35	
153	50	8	-33	-34	
154	50	28	-35	-35	
155	50	44	-35	-34	
156	51	7	-35	-34	
157	51	27	-35	-35	
158	51	46	-33	-35	
159	52	6	-34	-35	
160	52	26	-34	-35	
161	52	45	-33	-35	
162	53	5	-35	-35	
163	53	25	-34	-35	
164	53	44	-35	-35	
165	54	4	-35	-34	
166	54	24	-35	-35	
167	54	43	-34	-35	
168	55	3	-35	-34	
169	55	22	-34	-34	
170	55	42	-33	-34	
171	56	2	-35	-35	
172	56	21	-33	-35	
173	56	41	-33	-36	
174	57	1	-35	-35	
175	57	20	-33	-35	
176	57	40	-35	-35	
177	57	59	-33	-35	
178	58	19	*	*	
179	58	39	-32	-35	
180	58	58	-33	-35	
181	59	18	-33	-34	
182	59	38	-33	-33	
183	*	37	-33	-33	
184	60	17	-33	-33	
185	60	36	-32	-33	
186	60	56	-33	-33	
187	61	16	-33	-32	
188	61	35	-32	-33	
189	*	*	*	*	
190	62	14	-30	-31	

-03 IME EC.	8-05 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C	8-08 ENG.2 FUEL CONTRL TEMP DEG.C	8-09 ENG.2 LUBE PUMP TEMP DEG.C	8-10 ENG.2 FUEL PUMP TEMP DEG.C	8-11 ENG.2 COM- PRESS CASING TEMP DEG.C	8-12 ENG.2 COM- PRESS CASING TEMP DEG.C
12	-33	-33	-35	-30	-25	-35	-28	-26
32	-35	-34	-36	-31	-25	-34	-27	-27
*	*	*	-36	-31	-25	-35	-29	-27
11	-35	-35	-34	-31	-26	-36	-29	-27
31	-34	-35	-35	-31	-25	-36	-29	-27
51	-35	-34	-35	-31	-25	-35	-29	-27
10	-33	-35	-36	-31	-25	-35	-29	-28
30	*	*	*	*	*	*	*	*
50	-35	-34	-35	-31	-25	-33	-29	-28
9	-34	-35	-35	-31	-25	-35	-29	-28
29	-35	-35	-35	-31	-26	-34	-30	-28
49	-34	-35	-35	-30	-25	-35	-30	-28
8	-33	-34	-36	-31	-25	-34	-30	-29
28	-35	-35	-35	-32	-26	-35	-30	-27
44	-35	-34	-36	-31	-26	-35	-30	-28
7	-35	-34	-35	-32	-25	-34	-30	-29
27	-35	-35	-35	-31	-26	-35	-30	-28
46	-33	-35	-35	-31	-26	-36	-29	-29
6	-34	-35	-35	-31	-26	-35	-30	-29
26	-34	-35	-36	-31	-26	-35	-30	-29
45	-33	-35	-35	-32	-26	-35	-30	-30
5	-35	-35	-35	-31	-26	-35	-30	-29
25	-34	-35	-35	-31	-25	-34	-30	-29
44	-35	-35	-36	-31	-26	-35	-30	-30
4	-35	-34	-36	-31	-26	-35	-30	-30
24	-35	-35	-35	-31	-24	-35	-30	-30
43	-34	-35	-35	-31	-26	-35	-31	-29
3	-35	-34	-35	-31	-26	-34	-31	-30
22	-34	-34	-35	-31	-25	-35	-31	-29
42	-33	-34	-35	-31	-26	-33	-31	-30
2	-35	-35	-35	-31	-26	-35	-30	-30
21	-33	-35	-35	-31	-26	-34	-31	-30
41	-33	-36	-35	-32	-26	-35	-31	*
1	-35	-35	-35	-32	-27	-35	-31	-30
20	-33	-35	-36	-31	-26	-35	-31	-30
40	-35	-35	-36	-31	-26	-35	-31	-30
59	-35	-35	-35	-31	-26	-35	-31	-31
*	*	*	*	*	*	*	*	*
19	-32	-35	-33	-33	-18	-33	-33	-33
38	-33	-35	-34	-33	-9	-31	-32	-27
58	-33	-34	-36	-33	2	-30	-30	-24
18	-33	-33	-35	-32	6	-28	-30	-25
37	-33	-33	-35	-32	10	-26	-30	-25
57	-33	-33	-34	-32	12	-24	-28	-24
16	-32	-33	-34	-31	13	-23	-29	-25
36	-33	-33	-34	-32	15	-21	-27	-24
56	-33	-32	-32	-31	20	-20	-28	-13
15	-32	-33	-33	-30	23	-24	-23	-6
*	*	*	*	*	*	*	*	*
34	-30	-31	-31	-29	31	-23	-24	-9

CN	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C
191	62	34	-30	-31	-32
192	62	54	-30	-30	-32
193	63	13	-30	-30	-31
194	63	33	-30	-29	-30
195	63	52	-27	-29	-30
196	64	12	-29	-27	-30
197	64	32	-28	-26	-[illegible]
198	64	51	-28	-26	-29
199	65	11	-26	-26	-27
200	65	30	-25	-26	-27
201	65	50	-26	-25	-26
202	66	10	-24	-25	-27
203	66	29	-25	-24	-27
204	66	49	-24	-24	-27
205	67	8	-24	-23	-27
206	67	28	-24	-22	-26
207	*	*	*	*	*
208	68	7	-23	-23	-24
209	68	27	-24	-23	-24
210	68	46	-22	-21	-25
211	69	6	-23	-20	-24
212	69	26	-23	-20	-24
213	69	45	-20	-19	-23
214	70	5	-20	-19	-24
215	70	25	-20	-18	-23
216	70	44	-20	-17	-21
217	71	4	-19	-17	-20
218	71	23	-19	-15	-21
219	71	43	-18	-16	-20
220	72	3	-18	-13	-19
221	72	22	-18	*	*
222	72	42	-17	-14	-20
223	73	2	-17	-13	-19
224	73	21	-17	-13	-18
225	73	41	-15	-14	-19
226	74	1	-15	-[illegible]	-17
227	74	20	-14	-12	-18
228	*	*	*	-11	-15
229	75	0	-15	-10	-18
230	75	19	-13	-10	-17
231	75	39	-13	-9	-15
232	75	59	-12	-9	-15
233	76	19	-12	-9	-14
234	76	38	-12	-8	-15
235	76	58	-11	-7	-15
236	77	18	-9	-6	-15
237	*	*	*	*	*
238	77	57	-9	-6	-14
239	78	18	-8	-6	-13
240	78	38	-9	-6	-14

8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C	8-08 ENG.2 FUEL CONTRL TEMP DEG.C	8-09 ENG.2 LUBE PUMP TEMP DEG.C	8-10 ENG.2 FUEL PUMP TEMP DEG.C	8-11 ENG.2 COM- PRESS CASING TEMP DEG.C	8-12 ENG.2 COM- PRESS CASING TEMP DEG.C
34	-30	-31	-32	-30	36	-24	-23	-8
54	-30	-30	-32	-29	39	-24	-23	-8
13	-30	-30	-31	-27	40	-24	-23	-7
33	-30	-29	-30	-28	43	-22	-20	-8
52	-27	-29	-30	*	*	*	*	*
12	-29	-27	-30	-26	49	-23	-20	-5
32	-28	-26	-29	-26	50	-23	-19	-5
51	-28	-26	-29	-26	52	-23	-20	-5
11	-26	-26	-27	-26	54	-23	-20	-5
30	-25	-26	-27	-26	55	-20	-18	-5
50	-26	-25	-26	*	*	*	*	*
10	-24	-25	-27	-26	57	-19	-14	-4
29	-25	-24	-27	-25	59	-20	-15	-4
49	-24	-24	-27	-25	61	-23	-14	-2
8	-24	-23	-27	-25	62	-25	-13	-2
28	-24	-22	-26	-25	63	-24	-13	-2
*	*	*	*	*	*	-24	-13	-1
7	-23	-23	-24	-23	64	-23	-13	0
27	-24	-23	-24	-24	64	-23	-13	0
46	-22	-21	-25	-22	66	-24	-10	0
6	-23	-20	-24	-20	65	-23	-11	1
26	-23	-20	-24	-20	66	-26	-10	2
45	-20	-19	-23	-21	67	-25	-8	2
5	-20	-19	-24	*	*	*	*	*
25	-20	-19	-23	-19	68	-28	-7	3
44	-20	-17	-21	-19	67	-28	-7	2
4	-19	-17	-20	-18	68	-27	-9	2
23	-19	-15	-21	-19	67	-29	-6	5
43	-18	-16	-20	-17	68	-27	-5	2
3	-18	-13	-19	-14	67	-27	-7	3
22	-18	*	*	*	*	*	*	*
42	-17	-14	-20	-14	68	-27	-6	5
2	-17	-13	-19	-14	68	-29	-5	5
21	-17	-13	-18	-15	69	-27	-3	5
41	-15	-12	-19	-13	70	-29	-2	5
1	-15	-12	-17	-13	69	-29	-4	5
20	-14	-12	-18	-14	71	-27	-1	6
*	*	-11	-15	-12	71	-29	-4	6
0	-15	-10	-18	-9	70	-29	*	*
19	-13	-10	-17	-4	71	-28	0	7
39	-13	-9	-15	-9	70	-26	-3	5
59	-12	-9	-15	-9	71	-26	-2	7
19	-12	-9	-14	-9	71	-25	-4	4
38	-12	-8	-15	-9	70	-23	-5	2
58	-11	-7	-15	-10	69	-23	-5	3
18	-9	-6	-15	-12	69	-21	-4	6
*	*	*	*	*	*	-20	-4	6
57	-9	-6	-14	-15	69	-21	-6	5
18	-8	-6	-13	-15	69	-19	-5	7
38	-9	-6	-14	-15	68	-19	-5	6

2

CN	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8- ENG IGN EXCI SK TE DEG
241	78	57	-9	-5	-1
242	79	17	-9	-5	-1
243	79	37	-8	-6	-1
244	79	57	-7	-6	-1
245	80	16	-8	-5	-1
246	80	36	-9	-4	-1
247	*	*	*	*	
248	81	16	-8	-4	-1
249	81	35	-7	-3	-1
250	81	55	-8	-4	-1
251	82	15	-7	-5	-1
252	82	34	-5	-2	-1

8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN TEMP DEG.C	8-08 ENG.2 FUEL CONTRL TEMP DEG.C	8-09 ENG.2 LUBE PUMP TEMP DEG.C	8-10 ENG.2 FUEL PUMP TEMP DEG.C	8-11 ENG.2 COM-PRESS CASING TEMP DEG.C	8-12 ENG.2 COM-PRESS CASING TEMP DEG.C
57	-9	-5	-13	-13	67	-19	-3	6
17	-9	-5	-14	-13	68	-19	-5	6
37	-8	-6	-12	-12	68	-19	-5	7
57	-7	-6	-12	-13	68	-19	-6	5
16	-8	-5	-13	-12	67	-19	-5	6
36	-9	-4	-12	-11	67	-20	-5	10
*	*	*	*	*	*	*	*	*
16	-8	-4	-13	3	67	*	*	*
35	-7	-3	-11	3	65	-16	-11	-10
55	-8	-4	-12	8	63	-15	-12	-8
15	-7	-5	-12	10	61	-15	-11	-7
34	-5	-2	-11	10	60	-14	-10	-7

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
13 MAY 70
-45 DEG.F. RUN NO. 15
TAPE 086 1 FILE

CN	8-13 ENG.2 COM-PRESS CASING TEMP DEG.C	8-14 ENG.2 COM-PRESS CASING TEMP DEG.C	8-15 ENG.2 COM-PRESS CASING TEMP DEG.C	8-16 ENG.2 COM-PRESS CASING TEMP DEG.C	8-17 ENG.2 COM-PRESS CASING TEMP DEG.C	8-18 ENG.2 COM-PRESS CASING TEMP DEG.C
1	0	*	*	*	*	*
2	0	-41	-41	-42	-41	
3	0	-42	-41	-42	-42	
4	0	-41	*	*	*	
5	0	-41	-42	-42	-43	
6	0	-42	-42	-42	-42	
7	0	-42	*	*	*	
8	0	-41	-42	-41	-41	
9	0	-42	-41	-41	-42	
10	0	-41	*	*	*	
11	0	-41	-42	-41	-41	
12	0	-42	-42	-41	-40	
13	0	*	*	*	*	
14	0	-41	-42	-42	-42	
15	0	-42	-42	-42	-41	
16	*	*	*	*	*	
17	0	-41	-42	-42	-41	
18	0	-42	-41	-41	-42	
19	*	*	*	*	*	
20	0	-43	-42	-41	-42	
21	0	-42	-42	-42	-41	
22	0	-42	-41	-42	-41	
23	0	-42	-42	-41	-41	
24	0	-41	-43	-42	-42	
25	*	*	*	*	*	
26	0	-42	-41	-42	-41	
27	0	-42	-41	-42	-42	
28	0	-42	-42	-41	-41	
29	0	-41	-42	-41	-42	
30	0	-41	-41	-41	-42	
31	0	-42	-42	-41	-41	
32	0	-42	-42	-40	-42	
33	0	-42	-42	-41	-41	
34	0	-42	-42	-41	-42	
35	0	-41	-42	-41	-41	
36	0	-41	-41	-41	-41	
37	0	-41	-41	-42	-42	
38	0	-42	-41	*	*	
39	0	-41	-41	-39	-41	
40	0	-41	-39	-39	-40	

8-15	8-16	8-17	8-18	8-19	8-20	8-21	8-22	8-23
NG.2 CM-	ENG.2 COM-	ENG.2 COM-	ENG.2 COM-	ENG.2 COM-	ENG.2 COM-	ENG.2 COM-	ENG.2 GAS	ENG.2 GAS
ESS	PRESS	PRESS	PRESS	PRESS	PRESS	PRESS	GEN.	GEN.
ING	CASING	CASING	CASING	CASING	CASING	CASING	TURB.	TURB.
EMP	TEMP	TEMP	TEMP	TEMP	TEMP	TEMP	CASING	CASING
..C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
*	*	*	*	*	*	*	*	*
41	-42	-41		-41	-42	-41	-42	-41
41	-42	-42		-41	-42	-42	-42	-41
*	*	*		*	*	*	*	*
42	-42	-43		-42	-42	-43	-41	-42
42	-42	-42		-42	-41	-41	-41	-41
*	*	*		*	*	*	*	*
42	-41	-41		-42	-41	-42	-42	-41
41	-41	-42		-41	-42	-42	-42	-41
*	*	*		*	*	*	*	*
42	-41	-41		-42	-41	-42	-41	-42
42	-41	-40		-39	-41	-41	-41	-42
*	*	*		*	*	*	*	-42
42	-42	-42		-41	-42	-42	-41	-42
42	2	-41		-43	-42	-42	-42	-41
*	*	*		*	*	-42	-42	-42
42	-42	-41		-41	-41	-42	-41	-42
41	-41	-42		-41	-43	-42	-42	-41
*	*	*		-41	-42	-42	-42	-42
42	-41	-42		-42	-42	-42	-41	-42
42	-42	-41		-41	-43	-42	-41	-41
41	-42	-41		-43	-41	-42	-41	-41
42	-41	-41		-42	-42	-42	-42	-41
43	-42	-42		-41	-42	-42	-42	-41
*	*	*		*	*	*	*	*
41	-42	-41		-42	-42	-42	-41	-41
41	-42	-42		-42	-41	-42	-42	-42
42	-41	-41		-41	-41	-42	-41	-41
42	-41	-42		-41	-41	-43	-41	-41
41	-41	-42		-41	-42	-42	-42	-41
42	-41	-41		-41	-41	-42	-42	-42
42	-43	-42		-42	-41	-41	-42	-41
42	-41	-41		-42	-41	-42	-41	-42
42	-41	-42		-42	-41	-42	-41	-42
42	-41	-41		-41	-41	-42	-42	-41
41	-41	-41		-41	-41	-42	-42	-42
41	-42	-42		-41	-41	-41	-41	-41
41	*	*		*	*	*	*	*
41	-39	-41		-41	-41	-42	-41	-42
39	-39	-40		-41	-40	-41	-42	-41

CN	8-13 ENG.2 COM-PRESS CASING TEMP DEG.C	8-14 ENG.2 COM-PRESS CASING TEMP DEG.C	8-15 ENG.2 COM-PRESS CASING TEMP DEG.C	8-16 ENG.2 COM-PRESS CASING TEMP DEG.C	8-17 ENG.2 COM-PRESS CASING TEMP DEG.C	8 EN C PR CAS T DE
41	*	*	-37	-37	-37	
42	0	-39	-37	-37	-37	
43	0	-38	-37	-37	-38	
44	0	-38	-34	-35	-33	
45	0	-37	-33	-34	-34	
46	0	-35	-31	-32	-31	
47	0	-32	-27	-29	-30	
48	0	-30	-23	-27	-27	
49	0	-26	-21	-26	-25	
50	0	-26	-21	-25	-26	
51	0	-25	*	*	*	
52	0	-23	-20	-24	-24	
53	0	-21	-18	-23	-23	
54	0	-20	-18	-23	-23	
55	0	-20	-18	-23	-22	
56	0	-19	-18	-23	-24	
57	0	-19	-18	-23	-23	
58	0	-19	-19	-23	-23	
59	0	-19	-18	-22	-22	
60	0	-19	-19	-22	-24	
61	*	*	*	*	*	
62	0	-19	-17	-21	-22	
63	0	-19	-18	-22	-24	
64	0	-19	-19	-22	-24	
65	0	-20	-18	-21	-22	
66	0	-19	-18	-22	-24	
67	0	-19	-18	-21	-22	
68	0	-20	-18	*	*	
69	0	-19	-18	-21	-23	
70	0	-19	-19	-21	-23	
71	*	*	*	*	*	
72	0	-18	-19	-22	-23	
73	0	-19	-18	-22	-22	
74	0	-19	-18	-21	-23	
75	0	-20	*	*	*	
76	0	-19	-18	-21	-23	
77	0	-19	-17	-21	-23	
78	0	-19	-19	-21	-23	
79	0	-19	-19	-21	-24	
80	0	-19	-19	-21	-23	
81	0	-19	-18	-21	-22	
82	*	*	*	*	*	
83	0	-20	-18	-22	-22	
84	0	-19	-19	-21	-22	
85	0	-19	-19	-21	-22	
86	0	-20	-19	-21	-22	
87	0	-19	-19	-22	-24	
88	0	-20	-19	-22	-23	
89	0	-21	-18	-22	-22	
90	0	-20	-19	-23	-23	

8-15 ENG.2 COM-PRESS ING TEMP EG.C	8-16 ENG.2 COM-PRESS CASING TEMP DEG.C	8-17 ENG.2 COM-PRESS CASING TEMP DEG.C	8-18 ENG.2 COM-PRESS CASING TEMP DEG.C	8-19 ENG.2 COM-PRESS CASING TEMP DEG.C	8-20 ENG.2 COM-PRESS CASING TEMP DEG.C	8-21 ENG.2 COM-PRESS CASING TEMP DEG.C	8-22 ENG.2 GAS GEN. TURB. CASING DEG.C	8-23 ENG.2 GAS GEN. TURB. CASING DEG.C
-37	-37	-37	*	-39	-39	-39	-41	-41
-37	-37	-37		-39	-38	-39	-41	-41
-37	-37	-38		-38	-38	-38	-41	-41
-34	-35	-33		-38	-37	-37	-41	-41
-33	-34	-34		-37	-35	-35	-40	-40
-31	-32	-31		-35	-33	-32	-39	-40
-27	-29	-30		-34	-33	-31	-36	-37
-23	-27	-27		-31	-31	-26	-33	-32
-21	-26	-25		-29	-28	-23	-32	-31
-21	-25	-26		-27	-26	-22	-32	-31
*	*	*		*	*	*	*	*
-20	-24	-24		-25	-22	-20	-27	-27
-16	-23	-23		-24	-23	-18	-24	-24
-18	-23	-23		-24	-22	-18	-25	-25
-18	-23	-22		-23	-21	-17	-24	-25
-18	-23	-24		-22	-20	-15	-25	-24
-18	-23	-23		-23	-20	-17	-25	-25
-19	-23	-23		-23	-20	-17	-25	-25
-18	-22	-22		-23	-19	-17	-25	-24
-19	-22	-24		-23	-20	-17	-24	-24
*	*	*		*	*	-17	-24	-24
-17	-21	-22		-22	-20	-17	-25	-24
-18	-22	-24		-24	-19	-17	-24	-24
-19	-22	-24		-23	-19	-17	-24	-24
-18	-21	-22		-23	-19	-17	-23	-24
-18	-22	-24		-23	-19	-17	-24	-24
-18	-21	-22		-23	-20	-17	-24	-23
-18	*	*		*	*	*	*	*
-18	-21	-23		-22	-20	-17	-24	-23
-19	-21	-23		-23	-20	-17	-24	-24
*	*	*		*	*	*	*	*
-19	-22	-23		-24	-19	-17	-25	-23
-18	-22	-22		-23	-19	-17	-24	-23
-18	-21	-23		-24	-19	-17	-24	-23
*	*	*		*	*	*	*	*
-18	-21	-23		-23	-20	-17	-24	-24
-17	-21	-23		-23	-20	-17	-24	-23
-19	-21	-23		-23	-20	-18	-24	-23
-20	-21	-24		-22	-20	-17	-23	-23
-19	-21	-23		-24	-21	-17	-23	-23
-18	-21	-22		-23	-21	-17	-24	-23
*	*	*		-22	-20	-18	-23	-24
-18	-22	-22		-23	-21	-18	-24	-24
-19	-21	-22		-23	-20	-19	-25	-23
-19	-21	-22		-22	-21	-18	-24	-23
-19	-21	-22		-24	-20	*	*	*
-19	-22	-24		-23	-21	-19	-24	-23
-19	-22	-23		-23	-20	-19	-23	-24
-18	-22	-22		-23	-21	-19	-25	-24
-19	-23	-23		-23	-21	-19	-24	-23

2

CN	8-13 ENG.2 COM-PRESS CASING TEMP DEG.C	8-14 ENG.2 COM-PRESS CASING TEMP DEG.C	8-15 ENG.2 COM-PRESS CASING TEMP DEG.C	8-16 ENG.2 COM-PRESS CASING TEMP DEG.C	8-17 ENG.2 COM-PRESS CASING TEMP DEG.C
91	0	-21	-19	-22	-23
92	0	-20	-19	-23	-23
93	0	-21	-19	-22	-23
94	0	-20	-19	-23	-23
95	0	-20	-20	-21	-23
96	0	-21	-19	-21	-23
97	*	*	*	*	-23
98	0	-22	-20	-22	-23
99	0	-22	-20	-22	-23
100	0	-21	-20	-23	-23
101	*	*	*	*	*
102	0	-22	-21	-23	-23
103	0	-22	-20	-23	-23
104	0	-22	-21	-23	-23
105	0	*	*	*	*
106	0	-22	-21	-23	-24
107	0	-21	-20	-23	-25
108	0	-23	-21	-23	-24
109	*	*	*	*	*
110	0	-22	-21	-24	-23
111	0	-23	-21	-23	-23
112	0	-23	-22	-23	-23
113	*	*	*	*	*
114	0	-23	-22	-22	-24
115	0	-24	-22	-24	-24
116	0	-23	-23	-24	-24
117	*	*	-23	-23	-23
118	0	-23	-23	-24	-24
119	0	-23	-23	-23	-24
120	0	-25	-23	-24	-24
121	*	-24	-22	-24	-25
122	0	-25	-23	-24	-25
123	0	-24	-23	-24	-24
124	0	-25	-24	-24	-25
125	0	-25	-23	-25	-25
126	0	-24	-23	-25	-25
127	0	-25	-23	-25	-24
128	0	-24	-24	-24	-24
129	0	-26	-24	-25	-25
130	*	*	*	*	*
131	0	-25	-24	-26	-25
132	0	-25	-24	-26	-25
133	0	-26	-24	-25	-25
134	0	-26	-25	-25	-24
135	0	-26	-24	-26	-25
136	0	-26	-26	-25	-24
137	0	-26	-25	-26	-25
138	0	-26	-24	-26	-26
139	*	*	*	*	*
140	0	-26	-25	-25	-25

15 8-16 ENG.2 COM- PRESS CASING TEMP DEG.C	8-17 ENG.2 COM- PRESS CASING TEMP DEG.C	8-18 ENG.2 COM- PRESS CASING TEMP DEG.C	8-19 ENG.2 COM- PRESS CASING TEMP DEG.C	8-20 ENG.2 COM- PRESS CASING TEMP DEG.C	8-21 ENG.2 COM- PRESS CASING TEMP DEG.C	8-22 ENG.2 GAS GEN. TURB. CASING DEG.C	8-23 ENG.2 GAS GEN. TURB. CASING DEG.C
-22	-23	*	-24	-21	-19	-24	-24
-23	-23		-23	-21	-19	-25	-23
-22	-23		-23	-21	-19	-24	-24
-23	-23		-23	-21	-19	-24	-24
-21	-23		-24	-21	-19	-23	-24
-21	-23		-24	-21	-19	-24	-24
*	-23		-24	-21	-20	-24	-24
-22	-23		-24	-21	-20	-25	-24
-22	-23		-24	-22	-20	-24	-24
-23	-23		-24	-21	-19	-24	-24
*	*		*	*	*	-25	-25
-23	-23		-25	-21	-20	-24	-25
-23	-23		-24	-22	-21	-25	-25
-23	-23		-24	-23	-20	-24	-24
*	*		*	*	*	*	*
-23	-24		-24	-23	-20	-25	-24
-23	-25		-25	-22	-21	-25	-25
-23	-24		-23	-23	-21	-25	-25
*	*		*	*	*	-26	-25
-24	-23		-24	-23	-21	-25	-26
-23	-23		-24	-23	-21	-26	-26
-23	-23		-24	-22	-21	-25	-25
*	*		-25	-22	-21	-25	-25
-22	-24		-23	-23	-21	-25	-25
-24	-24		-24	-23	-21	-25	-25
-24	-24		-25	-23	-21	-24	-24
-23	-23		-23	-22	-21	-26	-25
-24	-24		-24	-23	-21	-25	-24
-23	-24		-24	-23	-23	-25	-25
-24	-24		-24	-23	-21	-25	-25
-24	-25		-23	-23	-23	-25	-25
-24	-25		-24	-25	-23	-26	-25
-24	-24		-25	-25	-23	-26	-26
-24	-25		-24	-23	-23	-26	-25
-25	-25		-24	-24	-22	-26	-25
-25	-25		-25	-24	-23	-25	*
-25	-24		-24	-24	-23	-26	-26
-24	-24		-25	-24	-23	-26	-26
-25	-25		-24	-24	-24	-26	-26
*	*		*	*	-24	-26	-26
-26	-25		-24	-24	-25	-26	-25
-26	-25		-25	-24	-24	-26	-26
-25	-25		-25	-24	-24	-26	-26
-25	-24		-25	-25	-23	-26	-26
-26	-25		-24	-24	-24	-26	-26
-25	-24		-26	-25	-24	-26	-26
-26	-25		-25	-24	-24	-26	-26
-26	-26		-24	-25	-24	-26	-25
*	*		*	*	*	-26	-26
-25	-25		-25	-24	-23	-26	-26

CN	8-13 ENG.2 COM-PRESS CASING TEMP DEG.C	8-14 ENG.2 COM-PRESS CASING TEMP DEG.C	8-15 ENG.2 COM-PRESS CASING TEMP DEG.C	8-16 ENG.2 COM-PRESS CASING TEMP DEG.C	8-17 ENG.2 COM-PRESS CASING TEMP DEG.C	8- EN CO PR CAS TI DE
141	0	-26	-25	-26	-26	
142	0	-25	-26	-25	-25	
143	0	-26	-25	-26	-26	
144	0	-27	-25	-25	-26	
145	0	-26	-26	-26	-26	
146	0	-26	-26	-26	-26	
147	0	-27	-26	-26	-26	
148	*	-27	-26	-26	-26	
149	0	-27	-24	-27	-26	
150	0	-26	-26	-26	-26	
151	0	-26	-26	-26	-26	
152	0	-27	-26	-26	-26	
153	*	*	*	*	*	
154	0	-28	-26	-26	-26	
155	0	-27	-26	-28	-26	
156	0	-27	-26	-26	-26	
157	0	-28	-26	-28	-26	
158	0	-28	-26	*	*	
159	0	-28	-26	-26	-26	
160	0	-28	-26	-26	-26	
161	0	-28	-26	-27	-26	
162	0	-29	-26	-28	-26	
163	0	-28	-26	-26	*	
164	0	-26	-26	-28	-26	
165	0	-28	-27	-27	-26	
166	0	-29	-27	-27	-26	
167	0	-29	-26	-28	-27	
168	0	-28	-27	*	*	
169	0	-29	-28	-29	-27	
170	0	-28	-27	-28	-27	
171	0	-29	-28	-28	-27	
172	0	-29	-29	-29	-27	
173	*	*	*	*	*	
174	0	-29	-28	-29	-28	
175	0	-29	-29	-30	-29	
176	0	-29	-29	-29	-29	
177	0	-30	-29	-29	-28	
178	*	-29	-29	-30	-29	
179	0	-29	-31	-31	-31	
180	0	-28	-25	-24	-24	
181	0	-27	-19	-20	-18	
182	0	-26	-18	-19	-17	
183	0	-26	-17	-19	-17	
184	0	-25	-17	-18	-15	
185	0	-25	-15	-18	-16	
186	0	-24	-15	-18	-14	
187	0	-20	-5	-9	-5	
188	0	-18	5	0	3	
189	0	-14	9	2	7	
190	0	-12	10	3	7	

8-15 ENG.2 COM-PRESS CASING TEMP DEG.C	8-16 ENG.2 COM-PRESS CASING TEMP DEG.C	8-17 ENG.2 COM-PRESS CASING TEMP DEG.C	8-18 ENG.2 COM-PRESS CASING TEMP DEG.C	8-19 ENG.2 COM-PRESS CASING TEMP DEG.C	8-20 ENG.2 COM-PRESS CASING TEMP DEG.C	8-21 ENG.2 COM-PRESS CASING TEMP DEG.C	8-22 ENG.2 GAS GEN. TURB. CASING DEG.C	8-23 ENG.2 GAS GEN. TURB. CASING DEG.C
-25	-26	-26	*	-25	-24	-24	-26	-26
-26	-25	-25		-24	-25	-25	-26	-26
-25	-26	-26		-25	-25	-25	-27	-26
-25	-25	-26		-25	-26	-24	-28	-26
-26	-26	-26		-25	-24	-25	-27	-26
-26	-26	-26		-23	-25	-24	-26	-27
-26	-26	-26		-26	-24	-24	-27	-26
-26	-26	-26		-26	-26	-25	-27	-26
-24	-27	-26		-25	-25	-26	-28	-26
-26	-26	-26		-25	-26	-24	-27	-26
-26	-26	-26		-25	-25	-24	-27	-27
-26	-26	-26		-25	-26	-25	-27	-27
*	*	*		*	*	*	-27	-28
-26	-26	-26		-26	-26	-25	-27	-26
-26	-28	-26		-26	-26	-25	-27	-28
-26	-26	-26		-25	-26	-26	-28	-28
-26	-28	-26		-26	-26	-25	-28	-28
-26	*	*		*	*	*	*	*
-26	-26	-26		-25	-24	-25	-28	-27
-26	-26	-26		-26	-25	-26	-27	-26
-26	-27	-26		-26	-26	-25	-28	-28
-26	-28	-26		-25	-26	-26	-27	-28
-26	-26	*		*	*	*	*	*
-26	-28	-26		-25	-26	-26	-27	-28
-27	-27	-26		-26	-25	-26	-28	-28
-27	-27	-26		-26	-26	-26	-28	-28
-26	-28	-27		-25	-26	-26	-27	-27
-27	*	*		*	*	*	*	*
-28	-29	-27		-26	-26	-26	-28	-26
-27	-28	-27		-25	-26	-26	-27	-29
-28	-28	-27		-25	-26	-25	-29	-28
-29	-29	-27		-26	-28	-27	-29	-28
*	*	*		*	*	-26	-29	-29
-28	-29	-28		-27	-28	-26	-29	-27
-29	-30	-29		-26	-27	-26	-29	-28
-29	-29	-29		-28	-28	-26	-29	-29
-29	-29	-28		-28	-27	-26	-29	-29
-29	-30	-29		-27	-29	-26	-29	-30
-31	-31	-31		-29	-29	-28	-26	-27
-25	-24	-24		-28	-29	-28	5	6
-19	-20	-18		-26	-26	-24	51	47
-18	-19	-17		-21	-24	-19	76	75
-17	-19	-17		-19	-19	-17	90	91
-17	-18	-15		*	*	*	*	*
-15	-18	-16		-18	-18	-15	102	107
-15	-18	-14		-17	-18	-15	106	112
-5	-9	-5		-14	-15	-10	128	133
5	0	3		-5	-7	2	178	181
9	2	7		0	3	16	184	194
10	3	7		11	6	23	185	197

2

CN	8-13 ENG.2 COM-PRESS CASING TEMP DEG.C	8-14 ENG.2 COM-PRESS CASING TEMP DEG.C	8-15 ENG.2 COM-PRESS CASING TEMP DEG.C	8-16 ENG.2 COM-PRESS CASING TEMP DEG.C	8-17 ENG.2 COM-PRESS CASING TEMP DEG.C	8-18 ENG.2 COM-PRESS CASING TEMP DEG.C
191	0	-10	12	4	8	*
192	0	-11	12	3	8	
193	0	-10	13	5	9	
194	0	-10	10	1	9	
195	*	*	*	*	13	
196	0	-7	17	8	10	
197	1	-7	17	8	11	
198	0	-5	17	8	11	
199	0	-5	19	8	11	
200	0	-5	17	8	11	
201	*	*	*	*	12	
202	3	-5	15	9	10	
203	1	-4	6	0	1	
204	1	-5	3	1	2	
205	1	-5	4	2	2	
206	1	-5	3	1	2	
207	1	-4	3	3	4	
208	2	-5	4	3	5	
209	2	-4	5	5	5	
210	3	-4	5	7	6	
211	3	-4	7	7	9	
212	5	-4	6	10	10	
213	6	-3	7	10	11	
214	*	*	*	*	10	
215	6	0	5	8	12	
216	4	-1	6	9	9	
217	5	0	5	9	12	
218	7	0	6	10	11	
219	7	0	6	11	12	
220	7	0	7	11	13	
221	*	*	10	12	14	
222	9	1	10	14	16	
223	10	1	15	15	18	
224	8	1	16	14	17	
225	11	1	15	14	18	
226	10	3	11	15	16	
227	11	1	16	16	20	
228	12	2	15	15	19	
229	*	*	*	*	*	
230	20	5	22	20	25	
231	15	4	20	18	21	
232	20	4	20	22	25	
233	8	4	16	13	16	
234	5	4	14	10	12	
235	10	3	16	11	16	
236	13	4	21	16	23	
237	13	3	23	19	22	
238	13	5	25	18	*	
239	12	5	26	20	24	
240	14	6	27	20	23	

15	8-16	8-17	8-18	8-19	8-20	8-21	8-22	8-23
2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
-	COM-	COM-	COM-	COM-	COM-	COM-	GAS	GAS
SS	PRESS	PRESS	PRESS	PRESS	PRESS	PRESS	GEN.	GEN.
NG	CASING	CASING	CASING	CASING	CASING	CASING	TURB.	TURB.
MP	TEMP	TEMP	TEMP	TEMP	TEMP	TEMP	CASING	CASING
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
2	4	8		15	9	27	187	197
3	3	8		17	11	30	185	195
3	5	9		15	12	31	183	195
0	1	3		17	13	31	174	185
*	*	13		19	15	30	194	203
7	8	10		21	17	35	192	204
7	8	11		23	17	37	191	202
7	8	11		22	18	38	191	202
9	8	11		23	18	38	190	201
7	8	11		24	19	37	191	203
*	*	12		24	19	37	191	202
5	9	10		27	22	38	200	211
6	0	1		20	16	30	198	210
3	1	2		16	13	25	199	208
4	2	2		15	11	21	202	210
3	1	2		15	12	22	201	212
3	3	4		15	9	22	208	217
4	3	5		15	11	23	*	*
5	5	5		17	11	24	213	225
5	7	6		15	13	26	216	228
7	7	9		20	14	26	224	235
6	10	10		19	13	28	236	248
7	10	11		21	15	30	243	256
*	*	10		21	16	29	242	254
8	12	12		21	17	28	237	251
6	9	9		21	16	28	238	252
8	9	12		21	17	28	239	255
6	10	11		22	17	28	240	254
8	11	12		22	19	29	242	259
7	11	13		23	18	31	247	264
10	12	14		24	19	31	251	268
8	14	16		25	21	31	247	*
5	15	18		27	20	32	260	281
6	14	17		27	22	35	261	282
5	14	18		27	24	33	261	282
1	15	16		28	21	36	256	281
8	16	20		28	21	33	263	287
5	15	19		29	21	34	262	285
*	*	*		*	29	37	283	301
2	20	25		36	30	41	282	300
0	18	21		37	27	38	256	279
2	22	25		34	25	38	249	272
3	13	16		34	25	37	228	253
5	10	12		27	20	32	213	233
6	11	16		25	18	32	210	228
1	16	23		28	20	37	212	227
3	19	22		31	23	41	211	227
5	18	*		*	*	*	*	*
6	20	24		*	*	*	*	*
7	20	23		35	28	46	212	224

CN	8-13 ENG.2 COM-PRESS CASING TEMP DEG.C	8-14 ENG.2 COM-PRESS CASING TEMP DEG.C	8-15 ENG.2 COM-PRESS CASING TEMP DEG.C	8-16 ENG.2 COM-PRESS CASING TEMP DEG.C	8-17 ENG.2 COM-PRESS CASING TEMP DEG.C	8-1 ENG. COM PRES CASIN TEM DEG.
241	13	6	28	20	24	
242	12	6	27	20	25	
243	14	6	28	21	25	
244	12	6	29	20	25	
245	13	7	29	21	25	
246	16	9	32	25	28	
247	6	6	16	9	10	
248	*	*	*	*	*	
249	0	3	3	0	1	
250	0	1	3	1	2	
251	0	1	3	2	3	
252	0	2	5	3	3	

8-15 ENG.2 COM-PRESS CASING TEMP DEG.C	8-16 ENG.2 COM-PRESS CASING TEMP DEG.C	8-17 ENG.2 COM-PRESS CASING TEMP DEG.C	8-18 ENG.2 COM-PRESS CASING TEMP DEG.C	8-19 ENG.2 COM-PRESS CASING TEMP DEG.C	8-20 ENG.2 COM-PRESS CASING TEMP DEG.C	8-21 ENG.2 COM-PRESS CASING TEMP DEG.C	8-22 ENG.2 GAS GEN. TURB. CASING DEG.C	8-23 ENG.2 GAS GEN. TURB. CASING DEG.C
28	20	24	*	37	29	47	211	224
27	20	25		36	30	48	211	223
28	21	25		38	31	49	211	224
29	20	25		39	30	51	211	223
29	21	25		38	31	50	213	225
32	25	28		40	34	53	222	234
16	9	10		41	38	48	217	231
*	*	*		32	31	32	217	231
3	0	1		24	25	21	216	*
3	1	2		18	18	16	212	222
3	2	3		15	16	14	208	217
5	3	3		15	14	13	206	213

2

HH-5[illegible]C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
13 MAY 79
-45 DEG.F. RUN NO. 15
TAPE 086 1 FILE

CN	8-24 ENG.2 GAS GEN. TURB. CASING DEG.C	8-25 ENG.2 POWER TURB. CASING TEMP DEG.C	8-26 ENG.2 POWER TURB. CASING TEMP DEG.C	8-27 ENG.2 POWER TURB. CASING TEMP DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
1	-41	-42	-41	-41	-41
2	-42	-42	-42	-41	-42
3	-41	-42	-42	-41	-42
4	*	-42	-41	-41	-42
5	-41	-42	-41	-41	-41
6	-41	-42	-42	-41	-41
7	*	-42	-42	-41	-42
8	-41	-42	-42	-41	-42
9	-41	-42	-43	-41	-42
10	*	-42	-41	-41	-41
11	-39	-42	-41	-41	-41
12	-41	-41	-41	-41	-41
13	-41	-42	-42	-41	-41
14	-42	-42	-42	-41	-41
15	-42	-41	-41	-41	-41
16	-41	-42	-42	-40	-42
17	-41	-41	-42	-41	-41
18	-42	-42	-42	-41	-42
19	-41	-43	-42	-41	-42
20	-42	-42	-41	-42	-42
21	-41	-42	-42	-41	-41
22	-42	-42	-42	-40	-41
23	-41	-41	-42	-41	-42
24	-41	-42	-42	-41	-41
25	*	*	*	*	-41
26	-41	-42	-42	-41	-41
27	-41	-42	-41	-41	-41
28	-42	-42	-41	-41	-41
29	-42	-42	-41	-41	-42
30	-42	-42	-42	-40	-41
31	-41	-42	-41	-41	-41
32	-42	-42	-41	-41	-42
33	-41	-41	-41	-41	-41
34	-41	-41	-41	-41	-41
35	-42	*	*	*	*
36	-41	-42	-41	-41	-40
37	-41	-41	-41	-41	-41
38	*	-41	-41	-41	-41
39	-41	-42	-41	-42	-41
40	-41	-41	-41	-41	-41

CN	8-24 ENG.2 GAS GEN. TURB. CASING DEG.C	8-25 ENG.2 POWER TURB. CASING TEMP DEG.C	8-26 ENG.2 POWER TURB. CASING TEMP DEG.C	8-27 ENG.2 POWER TURB. CASING TEMP DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
41	-41	-41	-41	-41	-41
42	-41	-41	-41	-41	-41
43	-41	-41	-42	-41	-41
44	-40	-40	-41	-41	-41
45	-39	-41	-40	-40	-40
46	-39	-40	-40	-40	-39
47	-37	-37	-40	-38	-40
48	-33	-37	-38	-37	*
49	-32	-36	-37	-35	-40
50	-32	-34	-36	-35	-39
51	-31	-32	-35	-33	-38
52	-28	-32	-34	-32	-39
53	-26	-31	-32	-31	-39
54	-25	-30	-31	-30	-39
55	-26	-29	-30	-29	-37
56	-26	-27	-29	-28	-38
57	-26	-27	-29	-29	-37
58	-26	-27	-28	-27	-37
59	-26	-27	-27	-27	-37
60	-26	-25	-27	-26	-37
61	-26	-26	-27	-26	-37
62	-26	-26	-27	-26	-36
63	-26	-26	-26	-26	-37
64	-26	-26	-26	-26	-36
65	-26	-26	-26	-26	-36
66	-26	-25	-26	-26	-36
67	-25	-26	-26	-26	-35
68	*	*	-26	-26	-35
69	-25	-26	-26	-26	-35
70	-25	-26	-26	-26	-33
71	-25	-26	-26	-26	-34
72	-26	-26	-26	-26	-33
73	-25	-26	-26	-26	-34
74	-26	-26	-27	-25	-34
75	*	-25	-26	-26	-33
76	-25	-27	-26	-26	-33
77	-25	-27	-26	-26	-33
78	-24	-27	-26	-26	-33
79	-24	-27	-26	-26	-33
80	-25	-27	-27	-26	-33
81	-24	-27	-27	-25	-32
82	-25	-27	-27	-26	-32
83	-25	-27	-26	-26	-31
84	-24	-27	-27	-26	-32
85	-25	-28	-28	-26	-32
86	*	*	*	*	*
87	-24	-27	-28	-26	-31
88	-24	-28	-27	-26	-31
89	-24	-28	-27	-26	-31
90	-24	-29	-28	-26	-32

CN	8-24 ENG.2 GAS GEN. TURB. CASING DEG.C	8-25 ENG.2 POWER TURB. CASING TEMP DEG.C	8-26 ENG.2 POWER TURB. CASING TEMP DEG.C	8-27 ENG.2 POWER TURB. CASING TEMP DEG.C	8-28 ENG.2 T5 HARNESS TEMP DEG.C
91	-24	-29	-28	-27	-32
92	-24	-28	-28	-26	-31
93	-24	-28	-29	-26	-31
94	-25	-29	-29	-26	-30
95	-25	-28	-29	-26	-31
96	-24	-29	-28	-26	-31
97	-24	-30	-28	-26	-31
98	-24	-29	-28	-26	-31
99	-25	-29	-29	-26	-30
100	-24	-30	-29	-26	-31
101	-24	-29	-30	-26	-30
102	-25	-30	-29	-26	-30
103	-24	-30	-29	-26	-31
104	-24	-30	-29	-26	-31
105	-24	-30	-29	-26	-30
106	-24	-29	-30	-26	-30
107	-25	-30	-30	-27	-30
108	-24	-30	-29	-27	-30
109	-24	-30	-30	-26	-30
110	-25	-30	-30	-27	-30
111	-24	-30	-30	-27	-30
112	-25	-30	-29	-27	-30
113	-25	-30	-30	-26	-30
114	-24	-30	-30	-26	-30
115	-24	-31	-29	-26	-30
116	-24	-30	-30	-25	-30
117	-25	-30	-30	-26	-30
118	-24	-31	-30	-26	-30
119	-24	-31	-30	-26	-30
120	-24	-31	-30	-26	-30
121	-24	-31	-30	-26	-30
122	-24	-31	-31	-26	-30
123	-24	-32	-30	-27	-30
124	-25	-30	-31	-26	-30
125	-25	-30	-31	-26	-30
125	*	*	*	*	*
127	-24	-31	-31	-26	-30
128	-25	-31	-30	-26	-30
129	-25	-31	-30	-26	-30
130	-25	-31	-31	-27	-30
131	-24	-32	-30	-26	-30
132	-24	-32	-30	-26	-31
133	-25	-31	-31	-27	-30
134	-25	-31	-31	-27	-30
135	-25	-32	-31	-26	-30
136	-25	-31	-31	-26	-30
137	-25	-31	-31	-26	-30
138	-24	-31	-31	-25	-30
139	-24	-32	-31	-26	-30
140	-24	-32	-30	-27	-30

CN	8-24 ENG.2 GAS GEN. TURB. CASING DEG.C	8-25 ENG.2 POWER TURB. CASING TEMP DEG.C	8-26 ENG.2 POWER TURB. CASING TEMP DEG.C	8-27 ENG.2 POWER TURB. CASING TEMP DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
141	-24	-32	-31	-26	-30
142	-25	-32	-30	-26	-30
143	-25	-32	-31	-27	-30
144	*	*	*	*	*
145	-25	-32	-31	-26	-30
146	-24	-32	-31	-26	-30
147	-24	-32	-31	-26	-30
148	-25	-32	-32	-27	-29
149	-25	-32	-32	-27	-30
150	-24	-31	-31	-26	-30
151	-25	-32	-31	-27	-30
152	-25	-31	-31	-26	-30
153	-25	-32	-31	-27	-30
154	-24	-32	-32	-27	-30
155	-24	-33	-31	-27	-30
156	-24	-32	-32	-27	-30
157	-25	-33	-32	-27	-30
158	*	*	-32	-28	-30
159	-25	-33	-32	-26	-30
160	-25	-32	-32	-26	-30
161	-24	-33	-32	-28	-30
162	-25	-33	-32	-26	-31
163	*	*	*	-26	-30
164	-25	-33	-31	-26	-30
165	-24	-33	-32	-28	-30
166	-25	-33	-32	-27	-30
167	-25	-33	-32	-27	-30
168	*	-33	-32	-26	-31
169	-25	-33	-32	-27	-30
170	-25	-32	-31	-27	-31
171	-25	-33	-32	-28	-30
172	-24	-33	-30	-26	-31
173	-26	-33	-32	-28	-31
174	-25	-33	-32	-25	-30
175	-26	-33	-33	-26	-31
176	-25	-35	-32	-28	-31
177	-26	-33	-33	-26	-31
178	-24	-32	-32	-27	-31
179	-26	-33	-32	-26	-30
180	6	-6	-20	-7	-30
181	50	34	7	30	-30
182	79	71	34	58	-28
183	94	103	61	86	-26
184	*	*	*	*	-25
185	106	150	106	129	-21
186	114	166	121	146	-19
187	130	174	136	163	-18
188	178	200	153	181	-14
189	192	226	168	198	-10
190	191	238	*	*	*

CN	8-24 ENG.2 GAS GEN. TURB. CASING DEG.C	8-25 ENG.2 POWER TURB. CASING TEMP DEG.C	8-26 ENG.2 POWER TURB. CASING TEMP DEG.C	8-27 ENG.2 POWER TURB. CASING TEMP DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
191	191	249	187	222	-4
192	187	253	192	229	0
193	187	254	195	233	3
194	180	251	196	236	7
195	196	260	202	241	11
196	196	266	205	245	13
197	195	268	207	249	16
198	194	268	207	252	18
199	194	267	207	253	20
200	194	266	208	255	22
201	194	266	208	256	25
202	206	270	208	259	27
203	201	271	215	265	29
204	197	269	221	272	31
205	199	266	230	278	33
206	199	262	239	282	34
207	204	268	246	285	37
208	*	*	*	*	*
209	212	275	255	290	39
210	216	279	257	294	40
211	222	286	261	297	41
212	236	297	264	304	43
213	241	312	273	314	46
214	239	323	284	321	49
215	237	328	289	*	*
216	238	333	295	332	50
217	240	331	299	336	52
218	241	333	299	340	53
219	243	335	302	341	56
220	249	340	302	345	57
221	253	343	307	348	57
222	*	*	*	*	*
223	265	355	316	355	60
224	270	367	320	364	63
225	270	374	322	369	66
226	266	376	330	371	69
227	268	378	330	374	69
228	271	384	334	380	70
229	287	387	336	384	73
230	288	391	342	*	*
231	266	378	334	384	74
232	260	364	322	376	74
233	238	353	308	359	72
234	220	335	288	338	71
235	216	320	274	320	70
236	217	308	263	310	69
237	216	301	256	301	68
238	*	*	251	297	67
239	*	*	*	292	67
240	215	291	248	288	67

CN	8-24 ENG.2 GAS GEN. TURB. CASING DEG.C	8-25 ENG.2 POWER TURB. CASING TEMP DEG.C	8-26 ENG.2 POWER TURB. CASING TEMP DEG.C	8-27 ENG.2 POWER TURB. CASING TEMP DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
241	214	290	240	287	65
242	215	290	238	285	65
243	215	288	237	285	64
244	213	289	237	283	64
245	215	288	236	283	63
246	225	296	240	285	64
247	219	298	241	285	63
248	217	286	236	275	65
249	*	*	*	*	*
250	213	262	221	255	69
251	210	251	214	247	70
252	208	243	210	240	71

RUN 19, -65°F, 23 May 1970
Soak time 24/64 hours

RUN 19 -65°F 23 MAY 70

Test Synopsis:

This run was chosen to present -65°F test data. Engine No. 2 was not operated, as it had a failed nose gear box. In addition, the heater was operable only part time during this run and the data that are presented for the heater are not typical for this temperature (the insulation was loose and hanging) another -65°F run (run 35) is also presented to show heater data, but the rotors could not be operated during that run. There are no acceptable -65°F heater data available for operation with rotors turning.

The soak time is shown as two figures (24 and 64 hours). The first and smaller figure (24 hours) represents the soak time at -65°F. The second and larger figure (64 hours) is the useful soak time; the difference being the time it took to change the temperature in the test chamber. Sinc the chamber temperature as well as the aircraft temperature was constantly decreasing during this time, it is identified as useful soak time.

It was necessary to apply heat to the APP start valve to start the APP (the valve did not fully open).

Both start accumulators were used for the initial APP start.

Pertinent information.

Engine No. 1 had -13 fuel control and no EAPS.

Engine No. 2 was inoperable because of nose gear box which failed during previous run (run 18, -65°F, 21 May 1970).

Test parameters not connected or not presented.

1-4-Free air temperature (not connected).

1-6-Engine No. 1 fuel flow (not connected).

1-11-Engine No. 2 fuel flow (not connected).

2-18-Main wheel brake return hydraulic pressure (not connected).

2-19 through 2-26-Heater output airflow differential pressure (not presented).

Box 8, engine No. 2 surface temperatures (not presented because of inoperable engine).

Defective test parameters not presented (unless indicated otherwise

1-15-Main rotor rpm.

3-22-Cargo area forward waist level air temperature (erratic but average temperature shown is good; data is presented).

4-13-Second stage hydraulic system pump outlet temperature.

6-13 through 6-20-Engine No. 1 inlet lip temperatures (erratic when engine anti-ice is operated; defective portions deleted).

7-12-Engine No. 1 compressor case temperature, 3rd stage, 3 o'cloc position.

7-13-Engine No. 1 compressor case temperature, 3rd stage, 4:30 o'clock position.

7-14-Engine No. 1 compressor case temperature, 3rd stage, 6 o'cloc position.

7-18-Engine No. 1 compressor case temperature, 4th stage, 9 o'clock position.

7-19-Engine No. 1 compressor case temperature, 5th stage, 3 o'clock position.

7-20-Engine No. 1 compressor case temperature, 5th stage, 4:30 o'clock position.

8-18-Engine No. 2 compressor case temperature, 5th stage, 9 o'clock position.

Event Sheet:

CTR	Event
79	APP - start after three unsuccessful attempts. Cause was defective APP start valve; valve had to be heated to provide proper operation.
125	Windshield anti-ice - ON low
165	Comm/nav equipment checked; Doppler was inoperative.
165	Heater - start after previous unsuccessful attempts due to defective vent fan; heater at MAX HEAT SELECT position.
175	AFCS servos - checked
181	Stick trim - checked
182	EAPS (No. 2) - open
185	Engine No. 1 anti-ice - ON, then OFF
189	Rotor brake - ON
194	Engine No. 1 starter - check operation
198	Engine speed trim - checked
200	Second stage interlock - checked
221	Engine No. 1 - start
225-230	Operate engine No. 1 at ground idle
231	Rotor brake - OFF
237	Flight control and first stage interlock - checked
241	Engine No. 1 throttle - forward
251	APP - OFF
	NOTE: Engine No. 2 not started due to previous failure of nose gearbox.
255	Minimum governing microswitches - checked
271	EAPS (No. 2) - closed
272-275	Operate engine No. 1 at 50-percent torque.
276	Flight controls - exercise
276	Air refueling probe - extend and retract
295-306	Operate engine No. 1 at 80-percent torque
304	Flight controls - exercise
306	Heater - OFF; vent fan motor failed.
312-324	Operate engine No. 1 at 100-percent torque.

326	Flight controls - exercise
328-331	Operate engine No. 1 at 80-percent torque
357	APP - start
362	No. 1 throttle - Ground idle
363	No. 1 throttle - shutoff
364	Rotor brake - normal
368	Motor engine No. 1 to charge accumulators
369	Rescue hoist - check operation
387-404	AFCS - check operation
436	APP - shutdown
441	End test

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
1	0	2	0	*	0	-17	0
2	0	22	0	*	0	-13	0
3	0	42	0	*	0	-16	0
4	1	2	0	*	0	-17	0
5	1	22	0	*	0	-16	0
6	1	42	0	*	0	-19	0
7	2	2	0	*	0	-16	0
8	2	22	0	*	0	-16	0
9	2	42	0	*	0	-17	0
10	3	2	0	*	0	-17	0
11	3	22	0	*	0	-19	0
12	3	42	0	*	0	-16	0
13	4	2	0	*	0	-17	0
14	4	22	0	*	0	-19	0
15	4	42	0	*	0	-19	0
16	5	2	0	*	0	-17	0
17	5	22	0	*	0	-19	0
18	5	42	0	*	0	-19	0
19	6	2	0	*	0	-19	0
20	6	22	0	*	0	-17	0
21	6	42	0	*	0	-17	0
22	7	2	0	*	0	-16	0
23	7	22	0	*	0	-17	0
24	7	42	0	*	0	-17	0
25	8	2	0	*	0	-19	0
26	8	22	0	*	0	-19	0
27	8	42	0	*	0	-19	0
28	9	4	0	*	0	-19	0
29	9	24	0	*	0	-17	0
30	9	44	0	*	0	-17	0
31	10	4	0	*	0	-16	0
32	10	24	0	*	0	-16	0
33	10	44	0	*	0	-17	0
34	11	4	0	*	0	-16	0
35	11	24	0	*	0	-19	0
36	11	44	0	*	0	-17	0
37	15	21	0	*	0	-19	0
38	15	41	0	*	0	-16	0
39	16	1	0	*	0	-19	0
40	16	21	0	*	0	-17	0
41	16	41	0	*	0	-17	0
42	17	1	0	*	0	-19	0
43	17	22	0	*	0	-16	0
44	17	42	0	*	0	-19	0
45	18	2	0	*	0	-17	0

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL
*	0	-17	0	*	0	-18	1	*
*	0	-13	0	*	1	-18	1	*
*	0	-16	0	*	0	-16	1	*
*	0	-17	0	*	0	-16	1	*
*	0	-16	0	*	0	-18	1	*
*	0	-19	0	*	1	-18	1	*
*	0	-16	0	*	0	-18	1	*
*	0	-16	0	*	1	-16	1	*
*	0	-17	0	*	0	-18	1	*
*	0	-17	0	*	0	-18	1	*
*	0	-19	0	*	0	-18	1	*
*	0	-16	0	*	1	-18	0	*
*	0	-17	0	*	1	-18	1	*
*	0	-19	0	*	0	-18	1	*
*	0	-19	0	*	1	-15	1	*
*	0	-17	0	*	1	-18	1	*
*	0	-19	0	*	1	-15	1	*
*	0	-19	0	*	0	-16	1	*
*	0	-19	0	*	0	-15	1	*
*	0	-17	0	*	0	-18	1	*
*	0	-17	0	*	1	-16	0	*
*	0	-16	0	*	0	-16	1	*
*	0	-17	0	*	1	-16	1	*
*	0	-17	0	*	1	-18	1	*
*	0	-19	0	*	0	-16	1	*
*	0	-19	0	*	0	-18	0	*
*	0	-19	0	*	1	-18	1	*
*	0	-19	0	*	0	-18	1	*
*	0	-17	0	*	1	-15	0	*
*	0	-17	0	*	1	-12	1	*
*	0	-16	0	*	1	-18	1	*
*	0	-16	0	*	0	-16	1	*
*	0	-17	0	*	0	-18	1	*
*	0	-16	0	*	0	-15	1	*
*	0	-19	0	*	1	-18	1	*
*	0	-17	0	*	1	-16	1	*
*	0	-1?	0	*	1	-18	1	*
*	0	-16	0	*	1	-18	0	*
*	0	-19	0	*	0	-18	0	*
*	0	-17	0	*	1	-18	1	*
*	0	-17	0	*	0	-18	1	*
*	0	-19	0	*	1	-15	0	*
*	0	-16	0	*	0	-18	1	*
*	0	-19	0	*	1	-18	0	*
*	0	-17	0	*	0	-16	1	*

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
46	18	22	0	*	0	-16	0
47	18	42	0	*	0	-16	0
48	19	2	0	*	0	-19	0
50	19	24	0	*	0	-17	0
51	19	44	0	*	0	-16	0
52	20	5	0	*	0	-17	0
53	20	25	0	*	0	-16	0
54	20	45	0	*	0	-16	0
55	21	5	0	*	0	-17	0
56	21	25	0	*	0	-15	0
57	21	45	0	*	0	-19	0
58	22	5	0	*	0	-16	0
59	22	25	0	*	0	-19	0
60	22	45	0	*	0	-16	0
61	23	5	0	*	0	-16	0
62	23	25	0	*	0	-17	0
63	23	45	0	*	0	-16	0
64	24	5	0	*	0	-17	0
65	24	27	0	*	0	-15	0
66	24	31	0	*	0	-17	0
67	24	51	0	*	0	-19	0
68	25	11	0	*	0	-19	0
69	25	31	0	*	0	-19	0
70	25	51	0	*	0	-17	0
71	26	11	0	*	0	-16	0
72	26	31	0	*	0	-19	0
73	26	51	0	*	0	-19	0
74	27	11	0	*	0	-16	0
75	27	31	0	*	0	-19	0
76	27	51	0	*	0	-17	0
77	28	11	0	*	0	-17	0
78	28	31	0	*	0	-17	0
79	28	51	0	*	0	-16	0
80	29	11	0	*	0	-19	0
81	29	31	0	*	0	-17	0
82	29	51	0	*	0	-17	0
83	30	11	0	*	0	-17	0
84	30	31	0	*	0	-17	0
85	30	51	0	*	0	-19	0
86	31	11	0	*	0	-17	0
87	31	31	0	*	0	-19	0
88	31	51	0	*	0	-19	0
89	32	11	0	*	0	-19	0
90	32	31	0	*	0	-15	0
91	32	51	0	*	0	-19	0
92	33	11	0	*	0	-17	0
93	33	31	0	*	0	-19	0
94	33	51	0	*	0	-19	0
95	34	11	0	*	0	-16	0
96	34	31	0	*	0	-17	0

1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL
*	0	-16	0	*	0	-18	0	*
*	0	-16	0	*	1	-18	1	*
*	0	-19	0	*	1	-16	0	*
*	0	-17	0	*	0	-18	1	*
*	0	-16	0	*	0	-16	1	*
*	0	-17	0	*	1	-14	1	*
*	0	-16	0	*	1	-12	1	*
*	0	-16	0	*	1	-15	1	*
*	0	-17	0	*	1	-16	1	*
*	0	-18	0	*	1	-18	1	*
*	0	-19	0	*	0	-15	1	*
*	0	-16	0	*	1	-16	1	*
*	0	-19	0	*	1	-18	1	*
*	0	-16	0	*	1	-16	1	*
*	0	-16	0	*	1	-18	1	*
*	0	-17	0	*	0	-12	1	*
*	0	-16	0	*	1	-16	1	*
*	0	-17	0	*	1	-14	1	*
*	0	-15	0	*	1	-12	1	*
*	0	-17	0	*	1	-16	1	*
*	0	-19	0	*	0	-15	1	*
*	0	-19	0	*	1	-18	0	*
*	0	-19	0	*	0	-16	0	*
*	0	-17	0	*	1	-18	1	*
*	0	-15	0	*	0	-18	1	*
*	0	-19	0	*	1	-18	1	*
*	0	-19	0	*	0	-12	1	*
*	0	-16	0	*	0	-15	1	*
*	0	-19	0	*	1	-18	0	*
*	0	-17	0	*	0	-18	1	*
*	0	-17	0	*	0	-16	1	*
*	0	-17	0	*	1	-18	1	*
*	0	-16	0	*	0	-18	1	*
*	0	-19	0	*	1	-18	1	*
*	0	-17	0	*	1	-18	0	*
*	0	-17	0	*	0	-16	1	*
*	0	-17	0	*	0	-18	0	*
*	0	-17	0	*	1	-15	0	*
*	0	-19	0	*	0	-15	0	*
*	0	-17	0	*	0	-18	1	*
*	0	-19	0	*	1	-16	0	*
*	0	-19	0	*	0	-18	1	*
*	0	-19	0	*	1	-18	1	*
*	0	-15	0	*	1	-18	1	*
*	0	-19	0	*	0	-18	0	*
*	0	-17	0	*	0	-18	1	*
*	0	-19	0	*	0	-16	0	*
*	0	-19	0	*	1	-18	0	*
*	0	-16	0	*	1	-18	0	*
*	0	-17	0	*	1	-18	0	*

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
97	34	51	0	*	0	-19	0
98	35	11	0	*	0	-17	0
99	35	31	0	*	0	-19	0
100	35	51	0	*	0	-17	0
101	36	11	0	*	0	-17	0
102	36	31	0	*	0	-17	0
103	36	51	0	*	0	-19	0
104	37	11	0	*	0	-19	0
105	37	31	0	*	0	-17	0
106	37	51	0	*	0	-16	0
107	38	11	0	*	0	-17	0
108	38	31	0	*	0	-19	0
109	38	51	0	*	0	-17	0
110	39	12	0	*	0	-17	0
111	39	32	0	*	0	-16	0
112	39	52	0	*	0	-16	0
113	40	12	0	*	0	-19	0
114	40	32	0	*	0	-19	0
115	40	52	0	*	0	-19	0
116	41	12	0	*	0	-16	0
117	41	32	0	*	0	-19	0
118	41	52	0	*	0	-16	0
119	42	12	0	*	0	-19	0
120	42	32	0	*	0	-19	0
121	42	52	0	*	0	-19	0
122	43	12	0	*	0	-16	0
123	43	32	0	*	0	-19	0
124	43	52	0	*	0	-16	0
125	44	11	0	*	0	-19	0
126	44	31	0	*	0	-17	0
127	44	51	0	*	0	-17	0
128	45	11	0	*	0	-17	0
129	45	31	0	*	0	-19	0
130	45	51	0	*	0	-19	0
131	46	11	0	*	0	-16	0
132	46	31	0	*	0	-19	0
133	46	51	0	*	0	-19	0
134	47	11	0	*	0	-17	0
135	47	31	0	*	0	-16	0
136	47	51	0	*	0	-17	0
137	48	11	0	*	0	-16	0
138	48	31	0	*	0	-17	0
139	48	51	0	*	0	-19	0
140	49	11	0	*	0	-19	0
141	49	31	0	*	0	-16	0
142	49	51	0	*	0	-19	0
143	50	11	0	*	0	-16	0
144	50	31	0	*	0	-17	0
145	50	51	0	*	0	-19	0
146	51	11	0	*	0	-16	0

1-07 E.1 QUE CNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL
*	0	-19	0	*	0	-16	1	*
*	0	-17	0	*	0	-18	0	*
*	0	-19	0	*	0	-18	1	*
*	0	-17	0	*	0	-18	0	*
*	0	-17	0	*	0	-18	0	*
*	0	-17	0	*	0	-18	1	*
*	0	-19	0	*	0	-18	0	*
*	0	-19	0	*	0	-18	1	*
*	0	-17	0	*	1	-18	0	*
*	0	-16	0	*	1	-18	0	*
*	0	-17	0	*	0	-18	1	*
*	0	-19	0	*	0	-18	0	*
*	0	-17	0	*	0	-18	0	*
*	0	-17	0	*	1	-18	0	*
*	0	-16	0	*	0	-18	0	*
*	0	-16	0	*	1	-16	1	*
*	0	-19	0	*	0	-18	1	*
*	0	-19	0	*	0	-18	0	*
*	0	-19	0	*	0	-18	0	*
*	0	-16	0	*	1	-18	0	*
*	0	-19	0	*	0	-14	0	*
*	0	-16	0	*	0	-16	0	*
*	0	-19	0	*	1	-15	1	*
*	0	-19	0	*	1	-15	1	*
*	0	-19	0	*	1	-15	1	*
*	0	-16	0	*	1	-16	0	*
*	0	-19	0	*	1	-16	1	*
*	0	-16	0	*	0	-16	1	*
*	0	-19	0	*	0	-15	0	*
*	0	-17	0	*	1	-15	1	*
*	0	-17	0	*	1	-16	1	*
*	0	-17	0	*	0	-16	0	*
*	0	-19	0	*	0	-18	0	*
*	0	-19	0	*	0	-16	0	*
*	0	-16	0	*	0	-16	0	*
*	0	-19	0	*	1	-18	1	*
*	0	-19	0	*	0	-15	0	*
*	0	-17	0	*	0	-18	1	*
*	0	-16	0	*	1	-18	0	*
*	0	-17	0	*	0	-16	1	*
*	0	-16	0	*	1	-18	22	*
*	0	-17	0	*	0	-18	85	*
*	0	-19	0	*	0	-15	100	*
*	0	-19	0	*	2	-16	71	*
*	0	-16	0	*	0	-18	1	*
*	0	-19	0	*	1	-18	1	*
*	0	-16	0	*	0	-18	2	*
*	0	-17	0	*	0	-18	1	*
*	0	-19	0	*	0	-18	1	*
*	0	-16	0	*	1	-16	1	*

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
147	51	31	0	*	0	-17	0
148	51	51	0	*	0	-17	0
149	52	11	0	*	0	-17	0
150	52	31	0	*	0	-16	0
151	52	51	0	*	0	-19	0
152	53	11	0	*	0	-16	0
153	53	31	0	*	0	-17	0
154	53	50	0	*	0	-17	0
155	54	10	0	*	0	-16	0
156	54	30	0	*	0	-17	0
157	54	50	0	*	0	-19	0
158	55	10	0	*	0	-16	0
159	55	30	0	*	0	-19	0
160	55	50	0	*	0	-19	0
161	56	10	0	*	0	-17	0
162	56	30	0	*	0	-17	0
163	56	50	0	*	0	-19	0
164	57	10	0	*	0	-17	0
165	57	30	0	*	0	-19	0
166	57	50	0	*	0	-17	0
167	58	10	0	*	0	-16	0
168	58	30	0	*	0	-19	0
169	58	50	0	*	0	-17	0
170	59	10	0	*	0	-19	0
171	59	30	0	*	0	-19	0
172	59	50	0	*	0	-19	0
173	60	10	0	*	0	-19	0
174	60	30	0	*	0	-16	0
175	60	50	0	*	0	-19	0
176	61	10	0	*	0	-13	0
177	61	30	0	*	0	-16	0
178	61	50	0	*	0	-19	0
179	62	10	0	*	0	-16	0
180	62	29	0	*	0	-19	0
181	62	49	0	*	0	-16	0
182	63	9	0	*	0	-19	0
183	63	29	0	*	0	-16	0
184	63	49	0	*	0	-17	0
185	64	9	0	*	0	-17	0
186	64	29	0	*	0	-16	0
187	64	49	2	*	2	-15	0
188	65	9	1	*	0	-19	1
189	65	29	0	*	0	-19	0
190	65	49	0	*	0	-19	0
191	66	9	0	*	0	-16	0
192	66	29	0	*	0	-19	0
193	66	49	0	*	0	-13	0
194	67	9	3	*	0	-17	0
195	67	29	17	*	0	-19	0
196	67	49	22	*	0	-16	0

1-07 G.1 QUE CNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL
*	0	-17	0	*	0	-16	1	*
*	0	-17	0	*	2	-18	1	*
*	0	-17	0	*	1	-18	1	*
*	0	-16	0	*	0	-16	2	*
*	0	-19	0	*	0	-18	1	*
*	0	-16	0	*	0	-18	1	*
*	0	-17	0	*	1	-18	2	*
*	0	-17	0	*	0	-15	1	*
*	0	-16	0	*	0	-18	1	*
*	0	-17	0	*	1	-18	1	*
*	0	-19	0	*	0	-18	1	*
*	0	-16	0	*	1	-18	2	*
*	0	-19	0	*	0	-18	2	*
*	0	-19	0	*	1	-18	2	*
*	0	-17	0	*	0	-14	2	*
*	0	-17	0	*	1	-16	2	*
*	0	-19	0	*	1	-15	2	*
*	0	-17	0	*	1	-18	2	*
*	0	-19	0	*	0	-18	2	*
*	0	-17	0	*	1	-18	1	*
*	0	-16	0	*	0	-16	2	*
*	0	-19	0	*	0	-18	2	*
*	0	-17	0	*	0	-16	2	*
*	0	-19	0	*	0	-18	2	*
*	0	-19	0	*	0	-18	2	*
*	0	-19	0	*	1	-18	2	*
*	0	-19	0	*	2	-16	2	*
*	0	-16	0	*	0	-16	2	*
*	0	-19	0	*	1	-16	2	*
*	0	-13	0	*	0	-18	2	*
*	0	-16	0	*	0	-18	2	*
*	0	-19	0	*	1	-18	2	*
*	0	-16	0	*	0	-15	2	*
*	0	-19	0	*	0	-18	1	*
*	0	-16	0	*	1	-16	2	*
*	0	-19	0	*	1	-18	2	*
*	0	-16	0	*	1	-16	2	*
*	0	-17	0	*	1	-16	2	*
*	0	-17	0	*	0	-18	2	*
*	0	-16	0	*	0	-18	2	*
*	2	-15	0	*	0	-18	3	*
*	0	-19	1	*	2	-18	2	*
*	0	-19	0	*	0	-18	1	*
*	0	-19	0	*	0	-18	2	*
*	0	-16	0	*	1	-15	2	*
*	0	-19	0	*	0	-18	2	*
*	0	-13	0	*	0	-18	2	*
*	0	-17	0	*	0	-18	2	*
*	0	-19	0	*	2	-18	2	*
*	0	-16	0	*	1	-18	2	*

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	T P
197	68	9	11	*	0	-17	0	
198	68	29	0	*	0	-15	0	
199	68	49	0	*	0	-19	0	
200	69	9	0	*	0	-17	0	
201	69	29	0	*	0	-17	0	
202	69	49	0	*	0	-19	0	
203	70	9	0	*	0	-17	0	
204	70	29	0	*	0	-17	0	
205	70	48	0	*	0	-17	0	
206	71	8	0	*	0	-19	0	
207	71	28	0	*	0	-17	0	
208	71	48	0	*	0	-19	0	
209	72	8	0	*	0	-19	0	
210	72	28	0	*	0	-19	0	
211	72	48	0	*	0	-19	0	
212	73	8	0	*	0	-19	0	
213	73	28	0	*	0	-19	0	
214	73	48	0	*	0	-16	0	
215	74	8	0	*	0	-17	0	
216	74	28	0	*	0	-17	0	
217	74	48	0	*	0	-19	0	
218	75	8	0	*	0	-17	0	
219	75	28	0	*	0	-16	0	
220	75	48	0	*	0	-16	0	
221	76	8	0	*	0	-19	0	
222	76	28	6	*	0	-16	0	
223	76	48	24	*	0	-19	0	
224	77	8	58	*	0	241	0	
225	77	28	57	*	0	268	0	
226	77	48	59	*	0	268	0	
227	78	7	59	*	0	272	0	
228	78	27	59	*	0	270	0	
229	78	47	59	*	0	270	0	
230	79	7	59	*	0	269	0	
231	79	27	59	*	0	269	*	
232	79	47	59	24	8	266	0	
233	80	7	59	11	14	265	0	
234	80	27	59	10	18	264	0	
235	80	47	59	9	21	264	0	
236	81	7	59	9	23	263	0	
237	81	27	59	8	23	268	0	
238	81	47	59	8	25	268	0	
239	82	7	62	9	24	268	0	
240	82	27	59	8	25	269	0	
241	82	47	60	8	27	266	0	
242	83	7	74	39	46	265	0	
243	83	27	76	32	86	298	0	
244	83	47	76	32	89	312	0	
245	84	7	77	37	96	333	*	
246	84	27	78	38	*	344	0	

1-07 G.1 QUE CNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL
*	0	-17	0	*	1	-15	2	*
*	0	-15	0	*	1	-18	2	*
*	0	-19	0	*	0	-16	2	*
*	0	-17	0	*	0	-18	2	*
*	0	-17	0	*	1	-15	2	*
*	0	-19	0	*	0	-16	2	*
*	0	-17	0	*	1	-18	2	*
*	0	-17	0	*	1	-15	2	*
*	0	-17	0	*	0	-18	2	*
*	0	-19	0	*	0	-16	2	*
*	0	-17	0	*	0	-16	2	*
*	0	-19	0	*	0	-12	2	*
*	0	-19	0	*	0	-18	2	*
*	0	-19	0	*	1	-18	2	*
*	0	-19	0	*	1	-18	2	*
*	0	-19	0	*	0	-18	2	*
*	0	-19	0	*	0	-16	2	*
*	0	-16	0	*	0	-18	2	*
*	0	-17	0	*	0	-18	1	*
*	0	-17	0	*	0	-18	1	*
*	0	-19	0	*	0	-18	1	*
*	0	-17	0	*	0	-18	1	*
*	0	-16	0	*	0	-16	1	*
*	0	-16	0	*	1	-16	2	*
*	0	-19	0	*	0	-16	1	*
*	0	-16	0	*	0	-18	2	*
*	0	-19	0	*	1	-18	23	*
*	0	241	0	*	0	-18	22	*
*	0	268	0	*	1	-16	22	*
*	0	268	0	*	0	-16	22	*
*	0	272	0	*	0	-18	22	*
*	0	270	0	*	0	-16	22	*
*	0	270	0	*	0	-18	22	*
*	0	269	0	*	0	-18	22	*
*	0	269	*	*	0	-15	22	*
24	8	266	0	*	1	-15	22	*
11	14	265	0	*	1	-18	22	*
10	18	264	0	*	0	-18	22	*
9	21	264	0	*	0	-18	22	*
9	23	263	0	*	0	-16	22	*
8	23	268	0	*	0	-16	22	*
8	25	268	0	*	0	-18	22	*
9	24	268	0	*	0	-18	22	*
8	25	269	0	*	0	-18	22	*
8	27	266	0	*	1	-18	22	*
39	46	265	0	*	0	-15	41	*
32	86	298	0	*	0	-18	41	*
32	89	312	0	*	0	-18	66	*
37	96	333	*	*	0	-18	83	*
38	*	344	0	*	1	-18	90	*

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
247	84	47	78	37	100	344	0
248	85	7	78	36	101	340	0
249	85	27	78	36	100	338	0
250	85	47	78	36	101	338	0
251	86	7	78	36	100	340	0
252	86	27	78	37	100	341	0
253	86	47	79	37	102	344	0
254	87	7	78	36	98	343	0
255	87	27	78	37	100	345	0
256	87	47	77	36	101	340	0
257	88	7	80	36	100	340	0
258	88	27	77	35	101	341	0
259	88	47	78	36	101	343	0
260	89	7	76	29	88	315	0
261	89	27	78	35	102	340	0
262	89	47	77	35	100	344	0
263	90	7	78	36	100	344	*
264	90	27	78	37	102	345	0
265	90	47	77	36	102	340	0
266	91	8	77	35	100	343	0
267	91	28	79	35	101	344	0
268	91	48	79	35	100	340	0
269	92	8	77	35	102	340	0
270	92	28	78	35	100	343	0
271	92	49	77	36	101	343	0
272	93	9	79	49	101	364	0
273	93	29	79	46	100	372	0
274	93	49	80	49	100	375	0
275	94	10	79	48	100	372	0
276	94	30	79	48	100	371	0
277	94	50	79	51	100	395	0
278	95	11	80	51	100	401	0
279	95	31	79	46	102	375	0
280	95	51	79	48	100	377	0
281	96	12	79	49	102	380	0
282	96	32	80	49	98	378	0
283	96	53	80	49	100	381	0
284	97	13	80	50	100	385	0
285	97	34	79	50	100	400	0
286	97	54	80	50	100	401	0
287	98	15	80	49	100	400	0
288	98	35	80	50	100	408	0
289	98	56	83	64	103	433	0
290	99	16	82	64	100	436	0
291	99	37	78	36	99	372	0
292	99	58	82	77	99	429	0
293	100	18	83	77	100	469	0
294	100	39	82	66	102	429	0
295	101	0	84	80	*	467	0
296	101	20	84	81	100	469	*

1-07 NG.1 RQUE RCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL
37	100	344	0	*	0	-18	90	*
36	101	340	0	*	0	-15	90	*
36	100	338	0	*	0	-18	90	*
36	101	338	0	*	0	-18	90	*
36	100	340	0	*	0	-18	91	*
37	100	341	0	*	0	-18	90	*
37	102	344	0	*	0	-18	90	*
36	98	343	0	*	0	-18	90	*
37	100	345	0	*	0	-18	90	*
36	101	340	0	*	1	-16	90	*
36	100	340	0	*	0	-18	90	*
35	101	341	0	*	0	-18	90	*
36	101	343	0	*	1	-18	90	*
29	88	315	0	*	0	-18	61	*
35	102	340	0	*	0	-18	90	*
35	100	344	0	*	0	-16	90	*
36	100	344	*	*	0	-18	89	*
37	102	345	0	*	1	-18	90	*
36	102	340	0	*	0	-18	90	*
35	100	343	0	*	1	-18	90	*
35	101	344	0	*	1	-18	90	*
35	100	340	0	*	0	-16	90	*
35	102	340	0	*	1	-18	90	*
35	100	343	0	*	0	-18	90	*
36	101	343	0	*	0	-16	89	*
49	101	364	0	*	1	-18	90	*
46	100	372	0	*	0	-18	84	*
49	100	375	0	*	1	-16	85	*
48	100	372	*	*	0	-16	85	*
48	100	371	0	*	0	-18	85	*
51	100	395	0	*	0	-18	85	*
51	100	401	0	*	0	-18	85	*
46	102	375	0	*	0	-18	85	*
48	101	377	0	*	0	-15	85	*
49	102	380	0	*	0	-18	85	*
49	98	378	0	*	0	-18	85	*
49	100	381	0	*	0	-18	85	*
50	100	385	0	*	0	-16	85	*
50	100	400	0	*	1	-15	85	*
50	100	401	0	*	0	-18	85	*
49	100	400	0	*	0	-18	85	*
50	100	408	0	*	0	-18	85	*
64	103	433	0	*	0	-18	85	*
64	100	436	0	*	0	-18	85	*
36	99	372	0	*	1	-16	85	*
77	99	429	0	*	0	-18	85	*
77	100	469	0	*	0	-16	85	*
66	102	429	0	*	0	-15	85	*
80	*	467	0	*	0	-18	85	*
81	100	469	*	*	0	-18	85	*

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
297	101	41	84	81	100	469	0
298	102	2	85	79	99	465	0
299	102	23	84	79	99	463	0
300	102	44	84	78	99	465	0
301	103	4	84	78	98	465	0
302	103	25	84	78	102	463	0
303	103	46	84	78	101	465	0
304	104	7	84	78	99	463	0
305	104	28	84	80	99	475	0
306	104	49	84	78	99	467	0
307	105	10	81	66	99	439	0
308	105	31	85	67	100	443	0
309	105	52	84	72	100	460	*
310	106	13	82	54	101	423	0
311	106	34	84	79	99	462	0
312	106	55	86	101	99	517	0
313	107	15	88	100	98	518	0
314	107	36	87	99	99	519	0
315	107	57	86	100	100	517	0
316	108	18	86	100	99	516	0
317	108	39	86	100	99	516	0
318	109	0	86	104	98	519	0
319	109	21	86	95	99	508	0
320	109	42	85	97	100	508	0
321	110	3	86	98	102	511	0
322	110	24	86	95	100	508	*
323	110	45	86	98	100	508	0
324	111	6	86	98	99	514	*
325	111	27	86	97	99	514	0
326	111	48	86	95	100	512	0
327	112	8	87	96	99	513	0
328	112	29	86	83	102	493	0
329	112	50	84	79	100	476	0
330	113	11	85	79	100	476	0
331	113	32	85	80	100	472	0
332	113	53	78	34	100	390	0
333	114	14	79	34	100	373	0
334	114	34	80	34	99	372	0
335	114	55	78	34	98	371	0
336	115	16	78	33	100	368	0
337	115	37	80	33	100	368	0
338	115	57	82	34	100	367	0
339	116	18	80	33	100	368	0
340	116	39	78	33	99	368	0
341	117	0	79	34	98	369	0
342	117	21	78	33	100	369	0
343	117	41	79	34	100	368	0
344	118	2	78	33	102	367	0
345	118	23	79	33	*	368	0
346	118	43	78	33	100	368	0

1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL
81	100	469	0	*	0	-18	85	*
79	99	465	0	*	1	-18	85	*
79	99	463	0	*	0	-18	85	*
78	99	465	0	*	0	-12	85	*
78	98	465	0	*	0	-16	85	*
78	102	463	0	*	0	-16	85	*
78	101	465	0	*	1	-18	85	*
78	99	463	0	*	0	-16	85	*
80	99	475	0	*	0	-16	85	*
78	99	467	0	*	1	-18	85	*
66	99	439	0	*	0	-18	85	*
67	100	443	0	*	0	-18	85	*
72	100	460	*	*	1	-15	85	*
54	101	423	0	*	0	-18	85	*
79	99	462	0	*	0	-16	85	*
101	99	517	0	*	0	-18	85	*
100	98	518	0	*	1	-18	85	*
99	99	519	0	*	1	-13	85	*
100	100	517	0	*	0	-18	85	*
100	99	516	0	*	0	-16	84	*
100	99	516	0	*	1	-18	85	*
104	98	519	0	*	1	-18	85	*
95	99	508	0	*	1	-15	84	*
97	100	508	0	*	0	-18	85	*
98	102	511	0	*	0	-18	85	*
95	100	508	*	*	1	-18	85	*
98	100	508	0	*	0	-18	85	*
98	99	514	*	*	1	-18	84	*
97	99	514	0	*	1	-18	84	*
95	100	512	0	*	0	-18	84	*
96	99	513	0	*	0	-18	85	*
83	102	493	0	*	0	-16	84	*
79	100	476	0	*	1	-15	84	*
79	100	476	0	*	1	-18	85	*
80	100	472	0	*	0	-18	85	*
34	100	390	0	*	0	-15	84	*
34	100	373	0	*	1	-16	85	*
34	99	372	0	*	0	-16	85	*
34	98	371	0	*	0	-18	85	*
33	100	368	0	*	1	-15	85	*
33	100	368	0	*	0	-18	85	*
34	100	367	0	*	0	-18	85	*
33	100	368	0	*	0	-18	85	*
33	99	368	0	*	0	-18	85	*
34	98	369	0	*	1	-18	84	*
33	100	369	0	*	0	-18	85	*
34	100	368	0	*	0	-18	85	*
33	102	367	0	*	0	-18	85	*
33	*	368	0	*	0	-18	85	*
33	100	368	0	*	0	-18	85	*

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
347	119	4	78	33	100	359	0
348	119	25	79	33	102	354	0
349	119	45	78	33	102	357	0
350	120	6	78	34	100	353	*
351	120	27	78	33	100	354	0
352	120	47	78	34	100	355	0
353	121	8	77	33	102	355	0
354	121	29	77	33	100	352	0
355	121	49	78	32	100	352	0
356	122	10	78	32	100	353	0
357	122	30	77	32	100	352	0
358	122	51	77	32	100	349	0
359	123	12	78	32	102	352	0
360	123	32	79	32	100	349	0
361	123	53	78	32	100	352	0
362	124	13	78	32	100	350	0
363	124	34	62	*	57	266	0
364	124	54	10	6	8	179	0
365	125	15	4	*	0	128	0
366	125	35	0	*	0	110	0
367	125	56	0	*	0	109	0
368	126	16	9	*	0	111	1
369	126	33	2	*	0	101	0
370	126	57	0	*	0	90	0
371	127	17	0	*	0	89	0
372	127	38	0	*	0	96	0
373	127	58	0	*	0	103	0
374	128	19	0	*	0	111	0
375	128	39	0	*	0	118	0
376	128	59	0	*	0	123	0
377	129	20	0	*	0	125	0
378	129	40	0	*	0	132	0
379	130	0	0	*	0	134	0
380	130	21	0	*	0	138	0
381	130	41	0	*	0	141	0
382	131	2	0	*	0	141	0
383	131	22	0	*	0	142	0
384	131	42	0	*	0	146	0
385	132	3	0	*	0	147	0
386	132	23	0	*	0	151	0
387	132	43	0	*	0	151	0
388	133	4	0	*	0	147	0
389	133	24	0	*	0	151	0
390	133	44	0	*	0	150	0
391	134	4	0	*	0	147	0
392	134	25	0	*	0	150	0
393	134	45	0	*	0	150	0
394	135	5	0	*	0	151	0
395	135	25	0	*	0	147	0
396	135	46	0	*	0	147	0

1-07	1-08	1-09	1-10	1-12	1-13	1-14	1-17	1-18
16.1	ENG.1 POWER TURB SPEED RPM	ENG.1 TURB INLET TEMP (T-5)	ENG.2 RPM (NG)	ENG.2	ENG.2 POWER TURB SPEED RPM	ENG.2 TURB INLET TEMP (T-5)	L.H. THROTT POS	R.H. THROTT POS
RQUE				TORQUE				
RCNT	PERCNT	DEG.C	PERCNT	PERCNT	PERCNT	DEG.C	PERCNT TRAVEL	PERCNT TRAVEL
33	100	359	0	*	0	-18	85	*
33	102	354	0	*	0	-18	85	*
33	102	357	0	*	0	-16	85	*
34	100	353	*	*	1	-16	85	*
33	100	354	0	*	0	-16	85	*
34	100	355	0	*	1	-16	85	*
33	102	355	0	*	0	-18	84	*
33	100	352	0	*	0	-18	85	*
32	100	352	0	*	1	-16	85	*
32	100	353	0	*	1	-16	85	*
32	100	352	0	*	0	-18	85	*
32	100	349	0	*	0	-18	85	*
32	102	352	0	*	1	-18	85	*
32	100	349	0	*	0	-18	85	*
32	100	352	0	*	0	-18	85	*
32	100	350	0	*	1	-18	85	*
*	57	286	0	*	0	-18	2	*
6	8	179	0	*	0	-18	2	*
*	0	128	0	*	0	-16	2	*
*	0	110	0	*	1	-18	2	*
*	0	109	0	*	0	-18	2	*
*	0	111	1	*	1	-18	1	*
*	0	101	0	*	0	-18	1	*
*	0	90	0	*	0	-18	1	*
*	0	89	0	*	1	-18	1	*
*	0	96	0	*	0	-18	1	*
*	0	103	0	*	1	-18	1	*
*	0	111	0	*	0	-18	1	*
*	0	118	0	*	0	-18	1	*
*	0	123	0	*	0	-16	1	*
*	0	125	0	*	1	-18	1	*
*	0	132	0	*	0	-18	1	*
*	0	134	0	*	0	-18	1	*
*	0	138	0	*	1	-18	1	*
*	0	141	0	*	0	-16	1	*
*	0	141	0	*	0	-18	1	*
*	0	142	0	*	1	-18	1	*
*	0	146	0	*	0	-16	1	*
*	0	147	0	*	1	-18	1	*
*	0	151	0	*	0	-18	1	*
*	0	151	0	*	0	-18	1	*
*	0	147	0	*	0	-18	1	*
*	0	151	0	*	0	-16	2	*
*	0	150	0	*	0	-18	1	*
*	0	147	0	*	1	-18	1	*
*	0	150	0	*	0	-18	1	*
*	0	150	0	*	0	-18	1	*
*	0	151	0	*	0	-18	1	*
*	0	147	0	*	0	-18	1	*
*	0	147	0	*	0	-16	1	*

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT
397	136	6	0	*	0	147	0
398	136	26	0	*	0	147	0
399	136	47	0	*	0	147	0
400	137	7	0	*	0	146	0
401	137	27	0	*	0	146	0
402	137	47	0	*	0	147	0
403	138	7	0	*	0	147	0
404	138	28	0	*	0	146	0
405	138	48	0	*	0	143	0
406	139	8	0	*	0	142	0
407	139	28	0	*	0	143	0
408	139	49	0	*	0	141	0
409	140	9	0	*	0	142	0
410	140	29	0	*	0	139	0
411	140	49	0	*	0	137	0
412	141	9	0	*	0	138	0
413	141	30	0	*	0	136	0
414	141	50	0	*	0	137	0
415	142	10	0	*	0	136	0
416	142	30	0	*	0	136	0
417	142	50	0	*	0	134	0
418	143	10	0	*	0	130	0
419	143	31	0	*	0	130	0
420	143	51	0	*	0	129	0
421	144	11	0	*	0	130	0
422	144	31	0	*	0	128	0
423	144	51	0	*	0	127	0
424	145	11	0	*	0	125	0
425	145	31	0	*	0	123	0
426	145	51	0	*	0	122	0
427	146	12	0	*	0	125	0
428	146	32	0	*	0	122	0
429	146	52	0	*	0	120	0
430	147	12	0	*	0	120	0
431	147	32	0	*	0	120	0
432	147	52	0	*	0	118	0
433	148	12	0	*	0	120	0
434	148	32	0	*	0	115	0
435	148	52	0	*	0	114	0
436	149	13	0	*	0	115	0
437	149	33	0	*	0	113	0
438	149	53	0	*	0	114	0
439	150	13	0	*	0	111	0
440	150	33	0	*	0	109	0
441	150	53	0	*	0	111	0
442	151	13	0	*	0	110	0
443	151	33	0	*	0	109	0
444	151	53	0	*	0	109	0
445	*	*	*	*	*	*	*

1-07 G.1 QUE CNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL
*	0	147	0	*	0	-15	1	*
*	0	147	0	*	0	-18	1	*
*	0	147	0	*	1	-18	1	*
*	0	146	0	*	0	-16	1	*
*	0	146	0	*	0	-16	1	*
*	0	147	0	*	0	-15	1	*
*	0	147	0	*	0	-16	1	*
*	0	146	0	*	0	-16	1	*
*	0	143	0	*	0	-16	1	*
*	0	142	0	*	0	-16	1	*
*	0	143	0	*	0	-18	1	*
*	0	141	0	*	0	-16	1	*
*	0	142	0	*	1	-16	1	*
*	0	139	0	*	0	-16	1	*
*	0	137	0	*	0	-16	1	*
*	0	138	0	*	0	-16	1	*
*	0	136	0	*	0	-18	1	*
*	0	137	0	*	1	-16	1	*
*	0	136	0	*	0	-16	1	*
*	0	136	0	*	0	-12	1	*
*	0	134	0	*	0	-16	1	*
*	0	130	0	*	0	-18	1	*
*	0	130	0	*	0	-15	1	*
*	0	129	0	*	0	-16	1	*
*	0	130	0	*	0	-16	1	*
*	0	128	0	*	0	-18	1	*
*	0	127	0	*	0	-16	1	*
*	0	125	0	*	0	-18	1	*
*	0	123	0	*	0	-18	1	*
*	0	122	0	*	0	-15	1	*
*	0	125	0	*	0	-16	1	*
*	0	122	0	*	0	-16	1	*
*	0	120	0	*	0	-16	1	*
*	0	120	0	*	0	-16	1	*
*	0	120	0	*	0	-15	1	*
*	0	118	0	*	0	-16	1	*
*	0	120	0	*	1	-15	1	*
*	0	115	0	*	0	-16	1	*
*	0	114	0	*	0	-18	1	*
*	0	115	0	*	0	-18	1	*
*	0	113	0	*	0	-16	1	*
*	0	114	0	*	0	-18	1	*
*	0	111	0	*	0	-18	1	*
*	0	109	0	*	0	-18	1	*
*	0	111	0	*	0	-16	1	*
*	0	110	0	*	0	-16	1	*
*	0	109	0	*	0	-18	1	*
*	0	109	0	*	0	-15	1	*
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG
1	0	2	0	0	*	1	1
2	0	22	1	0	*	1	2
3	0	42	0	0	*	1	1
4	1	2	0	0	*	1	1
5	1	22	1	0	0	0	1
6	1	42	1	0	*	1	1
7	2	2	2	0	*	1	1
8	2	22	1	0	0	0	0
9	2	42	1	0	*	2	1
10	3	2	1	0	*	0	1
11	3	22	1	0	*	1	2
12	3	42	0	0	*	1	1
13	4	2	1	0	*	1	1
14	4	22	0	0	*	1	1
15	4	42	1	0	*	1	1
16	5	2	1	0	*	1	0
17	5	22	1	0	*	1	1
18	5	42	0	0	*	1	0
19	6	2	1	0	*	0	0
20	6	22	1	0	*	1	0
21	6	42	0	0	*	0	2
22	7	2	1	0	*	1	1
23	7	22	0	0	*	2	1
24	7	42	1	0	*	0	1
25	8	2	0	0	*	0	1
26	8	22	0	0	*	2	0
27	8	42	0	0	*	1	1
28	9	4	0	0	*	0	0
29	9	24	1	0	*	1	1
30	9	44	0	0	*	0	1
31	10	4	0	0	*	0	0
32	10	24	1	0	*	0	1
33	10	44	1	0	*	0	1
34	11	4	1	0	*	0	1
35	11	24	1	0	*	1	1
36	11	44	1	0	*	0	1
37	15	21	1	0	*	1	1
38	15	41	1	0	*	1	0
39	16	1	0	0	*	1	2
40	16	21	0	0	*	0	1
41	16	41	1	0	*	1	1
42	17	1	0	0	*	0	1
43	17	22	1	0	*	1	0
44	17	42	0	0	*	0	0
45	18	2	1	0	*	0	

HH-53C S/N 68-103[illegible]
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
0	*	1	1	1	0	*
0	*	1	2	0	0	*
0	*	1	1	1	1	*
0	*	1	1	1	0	*
0	0	0	1	1	0	*
0	*	1	1	0	1	*
0	*	1	1	1	2	*
0	0	0	1	0	2	*
0	*	2	0	1	0	*
0	*	0	1	1	0	*
0	*	1	2	0	0	*
0	*	1	1	0	0	*
0	*	1	1	0	1	*
0	*	1	1	0	0	*
0	*	1	1	1	0	*
0	*	1	1	0	0	*
0	*	1	1	1	0	*
0	*	1	1	0	0	*
0	*	1	1	0	1	*
0	*	1	1	0	0	*
0	*	1	1	0	0	*
0	*	1	1	0	0

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG
46	18	22	1	0	*	0	0
47	18	42	0	0	*	0	1
48	19	2	0	0	*	0	1
50	19	24	1	0	*	0	0
51	19	44	1	0	*	1	0
52	20	5	1	0	*	1	2
53	20	25	2	0	*	1	1
54	20	45	1	0	*	0	1
55	21	5	2	0	*	1	0
56	21	25	1	0	*	2	1
57	21	45	0	0	*	1	0
58	22	5	1	0	*	1	0
59	22	25	1	0	*	1	1
60	22	45	1	0	*	1	1
61	23	5	1	0	*	0	1
62	23	25	0	0	*	2	0
63	23	45	1	0	*	0	1
64	24	5	1	0	*	0	1
65	24	27	1	0	*	0	1
66	24	31	2	0	*	1	2
67	24	51	0	0	*	1	0
68	25	11	1	0	*	1	0
69	25	31	0	0	*	0	2
70	25	51	0	0	*	1	0
71	26	11	0	0	0	0	1
72	26	31	0	0	*	1	1
73	26	51	0	0	*	1	2
74	27	11	1	0	*	0	1
75	27	31	0	0	*	1	1
76	27	51	1	0	*	0	2
77	28	11	1	0	*	1	0
78	28	31	0	0	*	1	1
79	28	51	1	0	*	1	0
80	29	11	1	0	*	0	1
81	29	31	0	0	*	0	1
82	29	51	1	0	*	0	19
83	30	11	0	0	*	0	28
84	30	31	1	0	*	1	22
85	30	51	0	0	*	1	25
86	31	11	1	0	*	1	26
87	31	31	0	0	*	1	26
88	31	51	0	0	*	0	25
89	32	11	1	0	*	0	27
90	32	31	1	0	*	1	29
91	32	51	1	0	*	1	28
92	33	11	0	0	0	0	29
93	33	31	1	0	*	0	29
94	33	51	1	0	*	0	30
95	34	11	0	0	*	1	30
96	34	31	1	0	*	0	29

1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
0	*	0	0	0	1	*
0	*	0	1	0	0	*
0	*	0	1	0	0	*
0	*	0	0	1	1	*
0	*	1	0	0	1	*
0	*	1	2	0	1	*
0	*	1	1	0	1	*
0	*	0	1	1	1	*
0	*	1	0	1	0	*
0	*	2	1	0	1	*
0	*	1	0	1	1	*
0	*	1	0	1	0	*
0	*	1	1	0	1	*
0	*	1	1	1	1	*
0	*	0	1	0	1	*
0	*	2	0	1	0	*
0	*	0	1	0	1	*
0	*	0	1	0	1	*
0	*	0	1	0	1	*
0	*	1	2	1	1	*
0	*	1	0	0	0	*
0	*	1	0	1	0	*
0	*	0	2	0	1	*
0	0	1	0	0	0	*
0	*	0	1	0	1	*
0	*	1	1	0	0	*
0	*	1	2	0	0	*
0	*	0	1	0	1	*
0	*	1	1	0	0	*
0	*	0	2	0	0	*
0	*	1	0	0	1	*
0	*	1	1	0	0	*
0	*	0	1	0	1	*
0	*	1	0	0	0	*
0	*	0	1	0	1	*
0	*	0	1	0	0	*
0	*	0	19	0	0	*
0	*	0	28	0	0	*
0	*	1	22	0	1	*
0	*	1	25	0	1	*
0	*	1	26	0	0	*
0	*	1	26	0	1	*
0	*	0	25	1	0	*
0	*	0	27	0	0	*
0	*	1	29	0	0	*
0	*	1	28	0	0	*
0	0	0	29	0	0	*
0	*	0	29	0	0	*
0	*	0	30	0	1	*
0	*	1	30	0	0	*
0	*	0	29	0	0	*

2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG
97	34	51	1	0	*	0	30
98	35	11	1	0	*	0	30
99	35	31	0	0	*	0	30
100	35	51	0	0	*	1	29
101	36	11	1	0	*	0	30
102	36	31	1	0	*	1	30
103	36	51	1	0	*	0	29
104	37	11	1	0	*	0	30
105	37	31	0	0	*	0	30
106	37	51	0	0	*	0	28
107	38	11	1	0	*	2	29
108	38	31	0	0	*	0	29
109	38	51	1	0	*	2	29
110	39	12	1	0	*	1	27
111	39	32	1	0	*	1	27
112	39	52	0	0	*	0	28
113	40	12	0	0	*	1	29
114	40	32	0	0	*	0	27
115	40	52	0	0	*	0	26
116	41	12	1	0	*	0	29
117	41	32	0	0	*	1	29
118	41	52	1	0	*	0	27
119	42	12	0	0	*	1	31
120	42	32	1	0	*	0	27
121	42	52	0	0	*	1	29
122	43	12	1	0	*	0	29
123	43	32	1	0	*	1	30
124	43	52	1	0	*	0	26
125	44	11	0	0	*	0	27
126	44	31	0	0	*	1	32
127	44	51	0	0	*	2	29
128	45	11	1	0	*	1	29
129	45	31	1	0	*	0	32
130	45	51	0	0	*	0	26
131	46	11	1	0	*	1	29
132	46	31	1	0	*	0	29
133	46	51	0	0	*	0	24
134	47	11	0	0	*	0	30
135	47	31	0	0	*	1	29
136	47	51	0	0	*	2	29
137	48	11	1	0	*	1	30
138	48	31	1	0	*	0	32
139	48	51	0	0	*	0	29
140	49	11	1	0	*	0	31
141	49	31	0	0	*	0	32
142	49	51	0	0	*	1	28
143	50	11	0	0	*	0	24
144	50	31	0	0	*	0	28
145	50	51	0	0	*	1	29
146	51	11	1	0	*	1	28

1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
0	*	0	30	0	0	*
0	*	0	30	0	0	*
0	*	0	30	0	0	*
0	*	1	29	0	0	*
0	*	0	30	1	0	*
0	*	1	30	0	0	*
0	*	0	29	0	1	*
0	*	0	30	0	0	*
0	*	0	30	0	0	*
0	*	0	28	1	0	*
0	*	2	29	0	1	*
0	*	0	29	0	1	*
0	*	2	29	0	1	*
0	*	1	27	0	0	*
0	*	1	27	0	0	*
0	*	0	28	0	0	*
0	*	1	29	0	0	*
0	*	0	27	0	0	*
0	*	0	26	0	0	*
0	*	0	29	0	0	*
0	*	1	29	0	0	*
0	*	0	27	0	0	*
0	*	1	31	0	1	*
0	*	0	27	0	0	*
0	*	1	29	0	1	*
0	*	0	29	1	0	*
0	*	1	30	0	0	*
0	*	0	26	0	0	*
0	*	0	27	0	0	*
0	*	1	32	0	0	*
0	*	2	29	0	0	*
0	*	1	29	0	0	*
0	*	0	32	0	0	*
0	*	0	26	0	0	*
0	*	1	29	0	1	*
0	*	0	29	1	0	*
0	*	0	24	0	1	*
0	*	0	30	0	2	*
0	*	1	29	0	0	*
0	*	2	29	0	2	*
0	*	1	30	0	0	*
0	*	0	32	0	1	*
0	*	0	29	0	0	*
0	*	0	31	0	0	*
0	*	0	32	0	0	*
0	*	1	28	1	0	*
0	*	0	24	0	0	*
0	*	0	28	0	0	*
0	*	1	29	0	0	*
0	*	1	28	0	0	*

2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG
147	51	31	1	0	*	0	29
148	51	51	0	0	*	2	28
149	52	11	1	0	*	1	28
150	52	31	1	0	*	1	28
151	52	51	0	0	*	1	27
152	53	11	0	0	*	2	26
153	53	31	1	0	*	1	25
154	53	50	1	0	*	1	26
155	54	10	1	0	*	0	26
156	54	30	1	0	*	1	29
157	54	50	1	0	*	0	29
158	55	10	2	0	*	0	26
159	55	30	0	0	*	0	28
160	55	50	0	0	*	0	26
161	56	10	1	0	*	1	26
162	56	30	0	0	*	0	29
163	56	50	0	0	*	1	27
164	57	10	1	0	*	1	29
165	57	30	1	0	*	0	27
166	57	50	0	0	*	0	27
167	58	10	0	0	*	1	27
168	58	30	0	0	0	1	27
169	58	50	0	0	*	1	27
170	59	10	1	0	*	1	26
171	59	30	1	0	*	1	26
172	59	50	1	0	*	0	26
173	60	10	2	0	*	0	26
174	60	30	0	0	*	1	29
175	60	50	2	0	*	0	27
176	61	10	1	0	*	0	26
177	61	30	0	0	*	0	27
178	61	50	0	0	0	0	24
179	62	10	0	0	*	0	28
180	62	29	0	0	*	0	27
181	62	49	0	0	*	0	27
182	63	9	0	0	*	0	26
183	63	29	0	0	*	0	27
184	63	49	0	0	*	0	27
185	64	9	0	0	*	0	27
186	64	29	0	0	*	1	26
187	64	49	1	0	*	0	26
188	65	9	0	0	*	0	27
189	65	29	1	0	*	1	26
190	65	49	1	0	*	1	24
191	66	9	0	0	*	0	26
192	66	29	0	0	*	0	27
193	66	49	0	0	*	0	27
194	67	9	60	37	*	1	29
195	67	29	*	8	*	1	27
196	67	49	128	4	0	0	26

1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
0	*	0	29	0	0	*
0	*	2	28	0	0	*
0	*	1	28	0	0	*
0	*	1	28	0	0	*
0	*	1	27	1	0	*
0	*	2	26	0	1	*
0	*	1	25	0	1	*
0	*	1	26	0	0	*
0	*	0	26	0	0	*
0	*	1	29	1	0	*
0	*	0	29	0	0	*
0	*	0	26	0	0	*
0	*	0	28	0	0	*
0	*	0	26	0	1	*
0	*	1	26	0	0	*
0	*	0	29	0	0	*
0	*	1	27	0	0	*
0	*	1	29	0	0	*
0	*	0	27	0	0	*
0	*	0	27	0	0	*
0	*	1	27	0	0	*
0	0	1	27	1	1	*
0	*	1	27	0	0	*
0	*	1	26	0	0	*
0	*	1	26	0	0	*
0	*	0	26	0	0	*
0	*	0	26	0	0	*
0	*	1	29	0	0	*
0	*	0	27	0	0	*
0	*	0	26	0	0	*
0	*	0	27	0	0	*
0	0	0	24	0	0	*
0	*	0	28	1	0	*
0	*	0	27	0	1	*
0	*	0	27	0	0	*
0	*	0	26	0	0	*
0	*	0	27	0	0	*
0	*	0	27	0	0	*
0	*	0	27	0	0	*
0	*	1	26	0	0	*
0	*	0	26	0	0	*
0	*	0	27	0	0	*
0	*	1	26	1	0	*
0	*	1	24	0	0	*
0	*	0	26	0	0	*
0	*	0	27	0	0	*
0	*	0	27	0	0	*
37	*	1	29	0	0	*
8	*	1	27	0	1	*
4	0	0	26	0	2	*

2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG
197	68	9	115	10	*	2	26
198	68	29	21	0	*	1	27
199	68	49	8	0	*	1	26
200	69	9	3	0	*	1	27
201	69	29	2	1	*	1	26
202	69	49	1	0	*	0	24
203	70	9	2	0	0	1	26
204	70	29	0	1	*	1	25
205	70	48	0	0	*	0	27
206	71	8	0	1	0	1	25
207	71	28	0	0	*	0	25
208	71	48	2	0	*	0	26
209	72	8	0	0	*	0	26
210	72	28	1	0	*	0	26
211	72	48	0	0	*	0	27
212	73	8	2	0	*	0	26
213	73	28	1	0	*	1	26
214	73	48	1	0	*	0	26
215	74	8	1	0	*	1	26
216	74	28	0	0	*	1	27
217	74	48	0	1	*	1	26
218	75	8	0	0	*	1	27
219	75	28	0	0	*	0	25
220	75	48	3	1	0	0	26
221	76	8	1	0	*	0	25
222	76	28	115	29	1	0	25
223	76	48	126	19	2	0	27
224	77	8	77	10	14	1	27
225	77	28	46	4	14	0	27
226	77	48	36	5	15	1	25
227	78	7	31	3	13	1	26
228	78	27	30	3	13	0	27
229	78	47	27	4	13	0	26
230	79	7	26	2	16	0	26
231	79	27	24	3	11	1	27
232	79	47	22	2	14	28	27
233	80	7	22	2	12	31	27
234	80	27	21	3	14	29	25
235	80	47	20	2	14	27	27
236	81	7	19	1	12	26	27
237	81	27	19	2	14	26	26
238	81	47	19	1	14	26	25
239	82	7	19	1	12	24	24
240	82	27	20	1	12	35	29
241	82	47	20	2	14	26	26
242	83	7	19	2	21	51	26
243	83	27	17	1	22	59	26
244	83	47	20	3	18	63	24
245	84	7	29	3	24	65	25
246	84	27	115	13	23	66	25

1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
10	*	2	26	0	1	*
0	*	1	27	0	0	*
0	*	1	26	1	0	*
0	*	1	27	0	0	*
1	*	1	26	0	1	*
0	*	0	24	0	1	*
0	0	1	26	0	0	*
1	*	1	25	0	1	*
0	*	0	27	0	2	*
1	0	1	25	0	0	*
0	*	0	25	1	0	*
0	*	0	26	0	0	*
0	*	0	26	0	1	*
0	*	0	26	0	0	*
0	*	0	27	0	1	*
0	*	0	26	0	0	*
0	*	1	26	0	0	*
0	*	0	26	0	0	*
0	*	1	26	0	0	*
0	*	1	27	0	0	*
1	*	1	26	0	0	*
0	*	1	27	0	0	*
0	*	0	25	0	0	*
1	0	0	26	0	0	*
0	*	0	25	1	0	*
29	1	0	25	0	1	*
19	2	0	27	0	5	2
10	14	1	27	0	26	14
4	14	0	27	0	27	14
5	15	1	25	0	27	13
3	13	1	26	0	27	14
3	13	0	27	0	27	14
4	13	0	26	0	27	14
2	16	0	26	0	26	13
3	11	1	27	1	26	14
2	14	28	27	0	28	13
2	12	31	27	18	26	14
3	14	29	25	34	27	14
2	14	27	27	39	26	14
1	12	26	27	37	27	14
2	14	26	26	35	26	14
1	14	26	25	35	27	14
1	12	24	24	33	27	14
1	12	35	29	32	27	14
2	14	26	26	33	27	14
2	21	51	26	34	82	20
1	22	59	26	31	90	21
3	18	63	24	24	95	20
3	24	65	25	20	106	20
13	23	66	25	18	107	20

2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG
247	84	47	85	24	18	65	26
248	85	7	57	23	21	62	25
249	85	27	52	20	22	56	26
250	85	47	48	22	20	47	27
251	86	7	45	27	21	43	24
252	86	27	44	26	19	57	25
253	86	47	44	32	20	60	25
254	87	7	42	24	21	62	24
255	87	27	42	22	22	61	25
256	87	47	42	24	21	61	27
257	88	7	43	24	21	64	25
258	88	27	42	19	21	64	29
259	88	47	42	20	23	63	26
260	89	7	41	22	21	60	22
261	89	27	42	22	23	65	27
262	89	47	42	21	21	65	24
263	90	7	42	19	21	63	25
264	90	27	41	25	20	63	25
265	90	47	41	20	22	64	25
266	91	8	41	20	21	62	24
267	91	28	41	21	20	64	25
268	91	48	41	22	21	63	27
269	92	8	41	21	18	64	29
270	92	28	42	19	22	64	26
271	92	49	42	22	22	60	25
272	93	9	43	20	21	65	28
273	93	29	43	20	21	65	26
274	93	49	43	21	23	60	23
275	94	10	42	20	23	65	26
276	94	30	42	21	21	62	26
277	94	50	42	20	24	64	25
278	95	11	42	21	22	63	25
279	95	31	43	18	21	65	26
280	95	51	42	19	21	62	25
281	96	12	42	20	21	65	25
282	96	32	41	18	22	62	25
283	96	53	43	19	20	62	24
284	97	13	43	18	22	63	27
285	97	34	43	18	21	63	25
286	97	54	43	23	23	62	26
287	98	15	42	18	23	63	26
288	98	35	43	17	21	63	24
289	98	56	45	18	22	63	26
290	99	16	44	20	21	63	28
291	99	37	49	17	22	65	25
292	99	58	47	20	22	62	26
293	100	18	45	20	23	64	25
294	100	39	45	21	25	61	27
295	101	0	46	21	22	61	27
296	101	20	46	20	22	61	24

1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
24	18	65	26	18	108	20
23	21	62	25	23	107	20
20	22	56	26	42	108	20
22	20	47	27	44	107	21
27	21	43	24	49	107	20
26	19	57	25	51	106	21
32	20	60	25	53	107	21
24	21	62	24	53	107	21
22	22	61	25	54	107	20
24	21	61	27	54	108	21
26	21	64	25	54	107	20
19	21	64	29	55	107	21
20	23	63	26	54	108	21
22	21	60	22	59	90	20
22	23	66	27	54	105	20
21	21	65	24	53	105	21
19	21	63	25	53	107	21
25	20	63	25	54	107	21
20	22	64	25	53	105	21
20	21	62	24	53	107	21
21	20	64	25	53	106	21
22	21	63	27	54	105	21
21	18	64	29	54	104	21
19	22	64	26	55	109	21
22	22	60	25	54	106	21
20	21	65	26	54	121	21
20	21	65	26	56	119	21
21	23	60	23	55	120	21
20	23	65	26	54	119	21
21	21	62	26	62	119	21
20	24	64	25	55	120	21
21	22	63	25	54	117	21
18	21	65	26	55	116	21
19	21	62	25	60	120	21
20	21	65	25	64	119	21
18	22	62	25	61	119	21
19	20	62	24	55	119	21
18	22	63	27	60	117	22
18	21	63	25	55	116	21
23	23	62	26	60	117	21
18	23	63	26	62	113	21
17	21	63	24	56	114	21
18	22	63	26	63	130	21
20	21	63	28	63	128	22
17	22	66	25	63	102	21
20	22	62	26	63	143	22
20	23	64	25	64	114	22
21	25	61	27	62	131	22
21	22	61	27	61	144	22
20	22	61	24	60	146	22

2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	P
297	101	41	46	21	23	65	26	
298	102	2	44	20	22	62	24	
299	102	23	45	19	21	65	29	
300	102	44	45	21	22	63	25	
301	103	4	46	18	25	63	28	
302	103	25	45	19	22	65	26	
303	103	46	46	19	22	62	26	
304	104	7	46	20	22	61	29	
305	104	28	45	20	24	63	26	
306	104	49	45	19	24	63	27	
307	105	10	44	19	23	65	24	
308	105	31	43	18	22	62	26	
309	105	52	44	17	22	63	29	
310	106	13	42	20	21	63	25	
311	106	34	47	18	22	63	24	
312	106	55	49	21	22	64	26	
313	107	15	48	21	22	65	25	
314	107	36	48	18	23	63	26	
315	107	57	48	18	24	63	27	
316	108	18	48	21	23	64	24	
317	108	39	48	23	22	63	28	
318	109	0	48	19	23	63	26	
319	109	21	48	22	22	62	26	
320	109	42	48	20	22	65	27	
321	110	3	48	20	22	65	25	
322	110	24	47	20	23	62	25	
323	110	45	48	19	25	55	26	
324	111	6	48	20	22	65	25	
325	111	27	48	18	23	64	27	
326	111	48	48	18	21	65	25	
327	112	8	48	19	23	62	27	
328	112	29	46	17	22	58	27	
329	112	50	45	19	23	62	25	
330	113	11	45	17	24	60	29	
331	113	32	46	22	22	64	25	
332	113	53	40	17	21	65	25	
333	114	14	39	16	24	64	26	
334	114	34	40	16	21	66	27	
335	114	55	40	22	21	64	28	
336	115	16	40	18	24	66	26	
337	115	37	40	20	22	65	26	
338	115	57	40	15	21	65	26	
339	116	18	41	17	22	63	27	
340	116	39	41	18	22	66	26	
341	117	0	42	17	23	66	28	
342	117	21	40	21	21	61	25	
343	117	41	40	16	21	65	26	
344	118	2	40	19	21	66	29	
345	118	23	41	17	21	65	27	
346	118	43	40	16	22	66	26	

19	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
.1							
IL							
MP							
ET							
SS							
IG							
6	21	23	65	26	55	146	23
4	20	22	62	24	52	141	22
5	19	24	65	29	52	143	23
5	21	22	63	25	52	143	23
6	18	25	63	28	55	142	22
5	19	22	65	26	49	142	22
6	19	22	62	26	49	142	22
6	20	22	61	29	48	140	22
5	20	24	63	26	48	142	22
5	19	24	63	27	48	141	22
4	19	23	65	24	48	134	22
3	18	22	62	26	48	133	22
4	17	22	63	29	48	136	22
2	20	21	63	25	46	121	22
7	18	23	63	24	50	144	22
9	21	22	64	26	49	162	22
8	21	22	65	25	49	161	22
8	18	23	63	26	57	160	23
8	18	24	63	27	57	159	22
8	21	23	64	24	60	162	22
8	23	22	63	28	53	161	23
8	19	23	63	26	57	160	22
8	22	22	62	26	58	155	22
8	20	22	65	27	57	157	22
8	20	22	65	25	58	156	22
7	20	23	62	25	57	157	22
8	19	25	55	26	57	158	23
8	20	22	65	25	57	159	22
8	18	23	54	27	58	158	22
8	18	21	65	25	57	156	23
8	19	23	62	27	57	158	22
6	17	22	58	27	58	145	22
5	19	23	62	25	58	142	22
5	17	24	60	29	58	142	22
5	22	22	64	25	55	144	22
0	17	21	65	25	55	101	21
9	16	24	64	26	54	101	22
0	16	21	66	27	57	100	21
0	22	21	64	28	56	100	21
0	18	24	66	26	52	99	21
0	20	22	65	26	55	101	21
0	15	21	65	26	50	99	21
1	17	22	63	27	56	97	21
1	18	22	66	26	49	99	21
2	17	23	66	28	50	99	21
0	21	21	61	25	48	97	21
0	16	21	65	26	48	98	21
0	19	21	66	29	47	101	21
1	17	21	65	27	47	99	21
0	16	22	66	26	47	99	21

1-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG
347	119	4	40	16	21	63	29
348	119	25	41	15	21	65	24
349	119	45	41	18	21	61	26
350	120	6	41	18	18	65	27
351	120	27	40	23	22	65	27
352	120	47	41	21	20	64	29
353	121	8	39	17	24	63	24
354	121	29	40	19	18	65	27
355	121	49	41	18	21	63	29
356	122	10	40	22	21	63	27
357	122	30	41	20	22	65	25
358	122	51	40	17	21	65	26
359	123	12	41	17	22	64	29
360	123	32	41	19	22	64	26
361	123	53	40	17	21	65	27
362	124	13	41	19	22	65	27
363	124	34	10	9	14	23	26
364	124	54	*	1	17	1	27
365	125	15	*	1	19	0	26
366	125	35	*	0	20	0	27
367	125	56	*	0	21	0	26
368	126	16	0	1	22	0	26
369	126	33	*	1	24	1	26
370	126	57	*	1	26	0	27
371	127	17	*	0	28	0	26
372	127	38	*	0	29	0	27
373	127	58	0	0	30	0	26
374	128	19	0	0	32	0	27
375	128	39	0	0	33	0	26
376	128	59	0	0	34	0	26
377	129	20	0	0	35	0	26
378	129	40	0	0	36	1	27
379	130	0	0	0	37	1	28
380	130	21	1	0	38	0	27
381	130	41	0	0	37	1	24
382	131	2	0	0	37	0	29
383	131	22	1	0	38	2	27
384	131	42	0	0	37	1	27
385	132	3	0	0	37	0	26
386	132	23	0	0	37	0	27
387	132	43	0	0	37	1	28
388	133	4	1	0	37	0	26
389	133	24	0	0	36	0	26
390	133	44	0	0	36	0	26
391	134	4	0	0	36	0	29
392	134	25	0	0	36	0	24
393	134	45	0	0	37	1	25
394	135	5	0	0	36	0	26
395	135	25	0	0	36	0	25
396	135	46	0	0	36	2	25

1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
16	21	63	29	46	101	20
15	21	65	24	47	101	21
18	21	61	26	46	101	21
18	18	65	27	46	102	21
23	22	65	27	47	102	21
21	20	64	29	46	101	21
17	24	63	24	46	101	21
19	18	65	27	44	101	21
18	21	63	29	45	100	21
22	21	63	27	45	99	21
20	22	65	26	44	101	21
17	21	65	26	45	101	20
17	22	64	29	45	100	20
19	22	64	26	45	101	21
17	21	65	27	45	100	20
19	22	65	27	45	101	21
9	14	23	26	44	4	14
1	17	1	27	21	0	17
1	19	0	26	0	0	18
0	20	0	27	0	0	20
0	21	0	26	0	0	21
1	22	0	26	0	0	22
1	24	1	26	*	1	25
1	26	0	27	*	0	26
0	28	0	26	0	0	28
0	29	0	27	0	0	29
0	30	0	26	*	1	30
0	32	0	27	0	0	32
0	33	0	26	*	0	34
0	34	0	26	*	0	34
0	35	0	26	*	0	36
0	36	1	27	0	0	36
0	37	1	28	0	0	37
0	38	0	27	0	0	37
0	37	1	24	*	0	37
0	37	0	29	0	0	38
0	38	2	27	0	0	37
0	37	1	27	0	0	37
0	37	0	26	0	1	37
0	37	0	27	0	0	37
0	37	1	28	*	0	37
0	37	0	26	0	0	36
0	36	0	26	*	0	37
0	36	0	26	*	0	37
0	36	0	29	*	0	36
0	36	0	24	0	0	36
0	37	1	25	*	0	36
0	36	0	26	*	0	36
0	36	0	25	*	0	36
0	36	2	25	*	0	35

-01 SHEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG
397	136	6	0	0	36	1	26
398	136	26	1	0	35	0	26
399	136	47	1	0	35	1	25
400	137	7	0	0	35	1	25
401	137	27	0	0	35	1	27
402	137	47	0	0	35	0	24
403	138	7	0	0	35	1	26
404	138	28	0	0	34	2	25
405	138	48	0	0	34	0	27
406	139	8	0	0	34	0	26
407	139	28	0	0	34	1	25
408	139	49	0	0	34	1	25
409	140	9	0	0	34	0	26
410	140	29	0	0	34	2	24
411	140	49	0	0	34	0	26
412	141	9	0	0	33	0	26
413	141	30	0	0	34	0	25
414	141	50	0	0	34	0	26
415	142	10	0	0	33	1	25
416	142	30	0	0	33	0	24
417	142	50	1	0	33	0	25
418	143	10	0	0	33	1	24
419	143	31	0	0	32	0	25
420	143	51	0	0	33	0	25
421	144	11	0	0	32	0	24
422	144	31	0	0	32	0	24
423	144	51	0	0	32	0	25
424	145	11	0	0	32	0	26
425	145	31	0	0	33	0	26
426	145	51	0	0	32	0	25
427	146	12	0	0	32	1	24
428	146	32	0	0	32	0	25
429	146	52	0	0	32	0	25
430	147	12	0	0	32	0	25
431	147	32	0	0	32	1	25
432	147	52	0	0	32	1	25
433	148	12	0	0	31	1	24
434	148	32	1	0	31	0	24
435	148	52	0	0	31	0	26
436	149	13	0	0	31	0	24
437	149	33	0	0	31	0	24
438	149	53	0	0	31	0	*
439	150	13	0	0	31	0	*
440	150	33	1	0	31	1	*
441	150	53	0	0	31	0	*
442	151	13	0	0	31	0	*
443	151	33	0	0	31	0	*
444	151	53	1	0	30	0	*
445	*	*	*	*	*	*	*

1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
0	36	1	26	*	0	35
0	35	0	26	*	0	35
0	35	1	25	*	1	35
0	35	1	25	*	0	35
0	35	1	27	*	0	35
0	35	0	24	*	1	34
0	35	1	26	0	0	35
0	34	2	25	*	1	34
0	34	0	27	*	0	34
0	34	0	26	*	0	34
0	34	1	25	*	0	34
0	34	1	25	*	0	34
0	34	0	26	*	0	34
0	34	2	24	*	0	33
0	34	0	26	*	0	34
0	33	0	26	*	1	34
0	34	0	25	*	0	33
0	34	0	26	*	0	33
0	33	1	25	*	0	33
0	33	0	24	*	0	33
0	33	0	25	0	0	33
0	33	1	24	*	0	33
0	32	0	25	0	0	33
0	33	0	25	0	0	33
0	32	0	24	*	0	32
0	32	0	24	*	0	32
0	32	0	25	*	1	32
0	32	0	26	*	0	32
0	33	0	26	0	0	32
0	32	0	25	0	0	32
0	32	1	24	0	0	32
0	32	0	25	0	0	32
0	32	0	25	0	0	32
0	32	0	25	0	0	32
0	32	1	25	*	0	32
0	32	1	25	*	0	31
0	31	1	24	*	0	31
0	31	0	24	0	0	31
0	31	0	26	*	0	31
0	31	0	24	*	0	31
0	31	0	24	0	0	31
0	31	0	*	*	0	31
0	31	0	*	*	0	31
0	31	1	*	*	0	30
0	31	0	*	*	0	30
0	31	0	*	*	0	30
0	31	0	*	*	0	30
0	30	0	*	0	0	30
*	*	*	*	*	0	*

2

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
1	0	4	0	40	25	0	15
2	0	24	0	35	20	0	15
3	0	44	0	25	35	0	25
4	1	4	0	25	25	0	10
5	1	24	0	40	50	0	5
6	1	44	0	30	20	0	25
7	2	4	0	35	25	0	20
8	2	24	0	40	40	0	20
9	2	44	0	25	25	0	20
10	3	4	0	30	35	0	15
11	3	24	0	30	5	0	20
12	3	44	0	35	20	0	25
13	4	4	0	25	15	0	20
14	4	24	0	40	25	0	5
15	4	44	0	25	30	0	15
16	5	4	0	20	15	0	20
17	5	24	0	40	40	0	15
18	5	44	0	35	5	0	20
19	6	4	0	25	20	0	15
20	6	24	0	30	10	0	20
21	6	44	0	40	0	0	30
22	7	4	0	40	5	0	15
23	7	24	0	25	20	0	20
24	7	44	0	35	15	0	40
25	8	4	0	35	20	0	15
26	8	24	0	35	5	0	15
27	8	44	0	30	20	0	20
28	9	7	0	40	20	0	30
29	9	27	0	30	15	0	20
30	9	47	0	30	15	0	15
31	10	7	0	40	15	0	15
32	10	27	0	15	0	0	10
33	10	47	0	50	20	0	35
34	11	7	0	15	10	0	15
35	11	27	0	20	20	0	5
36	11	47	0	30	0	0	15
37	15	24	0	30	15	0	10
38	15	44	0	40	10	0	20
39	16	4	0	25	5	0	25
40	16	24	0	30	0	0	15
41	16	44	0	35	10	0	15
42	17	4	0	15	5	0	10
43	17	24	0	25	15	0	10
44	17	44	0	25	20	0	20
45	18	4	0	10	20	0	10

HH-53C S/N 68-10354
CLINATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

2-06 TAGE HYD. PUMP TLET ESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
40	25	0	15	19	8	10	10	0
35	20	0	15	9	8	12	8	0
25	35	0	25	29	6	8	12	0
25	25	0	10	24	8	6	12	0
40	50	0	5	19	6	6	16	0
30	20	0	25	4	8	4	20	0
35	25	0	20	14	2	6	10	1
40	40	0	20	9	10	4	14	0
25	25	0	20	19	12	8	12	0
30	35	0	15	19	2	4	6	0
30	5	0	20	4	8	10	8	0
35	20	0	25	14	8	4	10	0
25	15	0	20	9	8	6	8	0
40	25	0	5	19	6	4	12	0
25	30	0	15	14	2	10	10	0
20	15	0	20	9	6	4	6	0
40	40	0	15	29	2	8	12	0
35	5	0	20	4	4	10	8	0
25	20	0	15	19	8	4	12	0
30	10	0	20	4	4	6	10	0
40	0	0	30	9	8	6	6	0
40	5	0	15	19	2	10	6	0
25	20	0	20	9	8	2	16	0
35	15	0	40	14	8	8	6	0
35	20	0	15	14	8	8	16	0
35	5	0	15	14	16	6	6	1
30	20	0	20	14	8	8	8	1
40	20	0	30	14	6	6	2	0
30	15	0	20	29	2	10	12	0
30	15	0	15	24	4	2	6	0
40	15	0	15	19	2	8	10	0
15	0	0	10	19	8	6	16	0
50	20	0	35	19	6	10	14	1
15	10	0	15	4	6	4	12	1
20	20	0	5	29	2	12	6	1
30	0	0	15	14	6	6	6	1
30	15	0	10	19	8	8	12	0
40	10	0	20	24	8	10	10	0
25	5	0	25	24	4	6	6	0
30	0	0	15	4	12	6	10	0
35	10	0	15	14	8	4	8	1
15	5	0	10	39	8	8	8	0
25	15	0	10	14	8	6	16	0
25	20	0	20	9	12	8	16	0
10	20	0	10	14	4	2	12	1

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2- 2STA HY (SER CYL PS
46	18	24	0	25	10	0	25	
47	18	44	0	35	0	0	15	1
48	19	4	0	15	0	0	20	1
50	19	27	0	35	30	0	20	
51	19	47	0	20	40	0	20	2
52	20	7	0	30	20	0	30	1
53	20	27	0	50	20	0	15	1
54	20	47	0	35	15	0	20	1
55	21	7	0	35	40	0	15	1
56	21	27	0	50	35	0	20	2
57	21	47	0	40	20	0	25	
58	22	7	0	30	20	0	15	
59	22	27	0	35	15	0	30	
60	22	47	0	40	25	0	15	
61	23	7	0	40	30	0	30	
62	23	27	0	50	15	0	10	
63	23	47	0	35	15	0	25	
64	24	7	0	40	25	0	25	
65	24	27	0	40	25	1	30	
66	24	33	1	35	10	0	25	
67	24	53	0	20	20	0	15	
68	25	13	0	15	0	0	25	
69	25	33	0	35	20	0	20	
70	25	53	0	40	15	0	10	
71	26	13	1	30	0	0	15	
72	26	33	0	35	5	0	5	
73	26	53	0	25	5	0	20	
74	27	13	0	50	20	0	0	
75	27	33	1	30	5	1	15	
76	27	53	0	30	5	0	35	
77	28	13	0	50	15	0	10	
78	28	33	0	30	0	0	20	
79	28	53	0	25	10	0	5	
80	29	13	0	20	10	0	0	
81	29	33	0	20	10	27	3110	29
82	29	53	0	35	15	28	3115	30
83	30	13	0	25	10	30	3070	30
84	30	33	0	40	15	29	3120	30
85	30	53	1	25	5	28	3130	30
86	31	13	0	20	15	28	3130	30
87	31	34	0	35	0	28	3060	30
88	31	54	0	20	20	28	3070	30
89	32	14	0	30	20	28	3095	30
90	32	34	0	25	5	28	3015	30
91	32	54	0	30	0	27	3065	30
92	33	14	0	25	0	27	3015	30
93	33	34	0	25	10	28	3100	30
94	33	54	1	15	20	27	3110	30
95	34	14	0	25	10	27	3120	30
96	34	34	1	20	20	28	3015	30

2-06 AGE YD. UMP LET ESS SIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
25	10	0	25	9	2	6	6	2
35	0	0	15	14	0	8	8	1
15	0	0	20	19	2	6	8	1
35	30	0	20	9	12	12	12	1
20	40	0	20	24	6	10	20	1
30	20	0	30	19	8	16	8	1
50	20	0	15	19	8	12	20	1
35	15	0	20	14	4	12	10	1
35	40	0	15	19	4	6	14	1
50	35	0	20	24	10	6	14	1
40	20	0	25	39	6	10	10	0
30	20	0	15	24	6	6	18	1
35	15	0	30	19	4	10	12	1
40	25	0	15	24	8	8	16	2
40	30	0	30	24	4	6	16	1
50	15	0	10	19	6	8	16	1
35	15	0	25	14	0	10	10	1
40	25	0	25	19	4	6	16	1
40	25	1	30	24	2	16	14	1
35	10	0	25	19	16	10	10	1
20	20	0	15	14	10	4	14	1
15	0	0	25	4	6	6	10	1
35	20	0	20	14	8	12	14	1
40	15	0	10	24	4	8	10	1
30	0	0	15	4	8	8	6	0
35	5	0	5	9	8	4	10	0
25	5	0	20	4	8	6	10	1
30	20	0	0	9	0	6	10	1
30	5	1	15	19	6	2	12	0
30	5	0	35	9	4	8	16	1
30	15	0	10	19	4	4	10	1
30	0	0	20	0	2	4	6	0
25	10	0	5	4	2	2	10	0
20	10	0	0	24	6	0	16	7
0	10	27	3110	2967	40	40	42	21
35	15	28	3115	3091	44	52	50	22
25	10	30	3070	3061	48	46	60	24
40	15	29	3120	3061	36	48	52	26
25	5	28	3130	3061	40	44	50	27
20	15	28	3130	3036	38	40	46	27
35	0	28	3060	3041	36	34	48	25
0	20	28	3070	3036	34	40	50	26
0	20	28	3095	3036	30	40	52	26
5	5	26	3015	3051	32	40	46	25
0	0	27	3065	3036	36	34	48	29
5	0	27	3015	3036	32	40	44	30
25	10	28	3100	3016	26	36	44	30
15	20	27	3110	3016	30	34	46	31
5	10	27	3120	3036	30	40	50	31
20	20	28	3015	3046	40	40	46	30

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
97	34	54	0	20	5	27	3030
98	35	14	1	15	10	28	3015
99	35	34	1	30	5	28	3065
100	35	54	0	40	15	28	3065
101	36	14	1	20	20	27	3100
102	36	34	1	40	15	28	3110
103	36	54	0	10	10	27	3030
104	37	14	1	35	10	27	3055
105	37	34	1	15	15	27	3100
106	37	54	0	25	20	28	3010
107	38	14	1	55	20	27	3060
108	38	34	1	25	20	28	3060
109	38	54	1	15	15	28	3030
110	39	14	1	15	10	28	3060
111	39	34	1	15	40	27	2995
112	39	54	1	35	0	28	3055
113	40	14	1	40	5	27	3030
114	40	34	1	25	15	28	3030
115	40	54	1	40	20	28	2995
116	41	14	1	30	20	31	3015
117	41	34	1	30	5	31	3065
118	41	54	0	40	25	29	2995
119	42	14	1	30	15	31	3100
120	42	34	1	25	15	30	3030
121	42	54	1	25	15	30	3005
122	43	14	1	30	10	27	3055
123	43	34	0	30	10	26	3005
124	43	54	0	40	25	28	3030
125	44	14	1	25	10	27	2995
126	44	34	1	35	5	28	2960
127	44	54	1	25	15	30	3015
128	45	14	1	20	20	32	3040
129	45	34	1	15	30	27	2965
130	45	54	1	15	15	29	3060
131	46	14	1	25	10	31	3065
132	46	34	1	15	20	31	3030
133	46	54	1	25	15	31	3100
134	47	13	1	30	5	31	2995
135	47	33	1	15	5	30	3030
136	47	53	1	40	5	28	3060
137	48	13	1	25	10	30	3005
138	48	33	1	25	5	31	3015
139	48	53	1	40	20	28	3030
140	49	13	1	25	5	32	3030
141	49	33	1	50	15	30	3030
142	49	53	1	40	10	30	3020
143	50	13	1	30	40	32	3030
144	50	33	1	15	20	32	3010
145	50	53	1	30	0	28	3040
146	51	13	1	40	10	30	3060

-06 AGE YD. UMP LET ESS SIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
20	5	27	3030	3031	32	34	40	31
15	10	28	3015	3031	36	34	44	30
30	5	28	3065	3026	40	34	48	31
40	15	28	3065	3051	26	40	34	30
20	20	27	3100	3031	24	36	44	31
40	15	28	3110	3016	26	34	48	31
10	10	27	3030	3006	30	34	44	32
35	10	27	3055	3006	32	34	48	33
15	15	27	3100	3031	36	30	44	31
25	20	28	3010	3041	36	36	50	34
55	20	27	3060	3031	28	32	46	31
25	20	28	3060	3011	36	30	44	31
15	15	28	3030	3011	28	36	46	31
15	10	28	3060	3011	32	30	52	32
15	40	27	2995	3006	970	705	44	34
35	0	28	3055	3001	1097	1110	44	30
40	5	27	3030	3036	30	36	46	31
25	15	28	3030	3041	26	36	44	31
40	20	28	2995	3021	34	32	50	34
30	20	31	3015	2996	36	40	48	32
30	5	31	3065	3021	30	34	46	32
40	25	29	2995	2932	1085	1104	50	30
30	15	31	3100	3016	24	42	42	31
25	15	30	3030	2996	40	40	46	34
25	15	30	3005	2996	1097	1110	44	34
30	10	27	3055	2996	1097	1108	46	31
30	10	26	3005	2986	1083	1092	46	34
40	25	28	3030	2986	1085	1090	52	34
25	10	27	2995	3006	1081	1090	42	34
35	5	28	2960	3061	1081	1090	42	34
25	15	30	3015	3016	32	38	48	34
20	20	32	3040	3051	40	40	44	31
15	30	27	2965	3031	34	30	48	31
15	15	29	3060	3011	40	34	42	34
25	10	31	3065	3026	30	40	44	32
15	20	31	3030	3036	34	40	48	30
25	15	31	3100	3021	38	32	44	32
30	5	31	2995	3026	26	36	44	30
15	5	30	3030	3036	24	34	42	32
40	5	28	3060	3006	26	30	42	30
25	10	30	3005	3031	34	32	46	31
25	5	31	3015	3031	40	36	40	31
40	20	28	3030	2986	36	26	44	27
25	5	32	3030	3006	34	34	40	32
50	15	30	3030	3006	26	36	42	28
40	10	30	3020	2996	28	34	42	30
30	40	32	3030	3001	38	32	40	32
15	20	32	3010	2986	36	34	44	28
30	0	28	3040	2981	32	34	44	31
40	10	30	3060	2996	38	32	42	31

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
147	51	33	1	35	10	27	3015
148	51	53	1	25	0	30	3055
149	52	13	1	30	25	28	3015
150	52	33	1	25	10	31	3015
151	52	53	1	25	30	27	3040
152	53	13	1	20	15	31	3065
153	53	33	1	40	30	30	3060
154	53	53	1	15	10	28	2995
155	54	13	1	40	30	30	2995
156	54	33	0	40	15	31	3030
157	54	53	1	25	5	26	3030
158	55	13	0	25	5	30	3055
159	55	33	1	30	15	29	3030
160	55	53	1	30	0	27	3055
161	56	13	1	35	10	30	3055
162	56	33	1	25	10	30	3030
163	56	53	0	30	0	30	2995
164	57	13	1	25	10	26	3015
165	57	33	0	30	15	26	3040
166	57	52	0	40	20	28	3015
167	58	12	0	25	5	30	3015
168	58	32	0	20	15	30	2995
169	58	52	0	35	5	30	2995
170	59	12	0	20	15	31	3020
171	59	32	0	15	10	31	3040
172	59	52	0	30	0	30	3030
173	60	12	0	25	10	29	2905
174	60	32	0	25	20	27	3060
175	60	52	0	35	5	26	2995
176	61	12	0	25	20	27	3020
177	61	32	0	20	0	28	2995
178	61	52	0	25	10	32	2970
179	62	12	0	40	10	32	3050
180	62	32	0	15	0	28	3040
181	62	52	0	40	20	26	2720
182	63	12	0	40	10	27	3015
183	63	32	0	25	10	30	3020
184	63	52	0	40	20	26	3030
185	64	12	0	25	0	26	3030
186	64	32	0	35	5	26	3060
187	64	52	0	15	0	28	3015
188	65	12	0	15	5	27	3040
189	65	31	0	30	10	26	2995
190	65	51	0	30	5	31	3060
191	66	11	0	30	10	31	3040
192	66	31	0	30	0	27	3040
193	66	51	0	25	15	27	2965
194	67	11	0	15	5	27	3030
195	67	31	0	40	10	27	3030
196	67	51	0	15	10	32	3020

2-06 STAGE HYD. PUMP UTLET RESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
35	10	27	3015	2986	36	34	44	30
25	0	30	3055	2991	30	32	40	31
30	25	28	3015	3021	34	36	44	31
25	10	31	3015	3031	34	26	44	30
25	30	27	3040	2986	26	24	48	28
20	15	31	3065	3011	26	28	48	31
40	30	30	3060	3016	34	36	44	33
15	10	28	2995	2996	26	40	44	30
40	30	30	2995	3001	34	40	48	31
40	15	31	3030	3031	34	36	44	31
25	5	26	3030	2996	24	30	40	32
25	5	30	3055	2991	36	30	40	32
30	15	29	3030	2996	32	32	42	34
30	0	27	3055	2996	26	40	48	31
35	10	30	3055	3001	36	30	40	31
25	10	30	3030	3031	34	32	46	32
30	0	30	2995	3021	36	36	40	34
25	10	26	3015	2996	26	32	42	31
30	15	26	3040	3011	22	34	42	31
40	20	28	3015	3021	34	36	42	32
25	5	30	3015	2981	34	34	40	31
20	15	30	2995	2996	26	30	42	32
35	5	30	2995	3021	34	34	40	31
20	15	31	3020	3021	30	32	40	30
15	10	31	3040	3001	30	26	42	34
30	0	30	3030	3021	28	24	44	31
25	10	29	2905	2683	34	26	48	31
25	20	27	3060	2991	1085	1090	42	31
35	5	28	2995	2996	1081	1082	40	28
25	20	27	3020	2967	1075	1078	40	31
20	0	28	2995	2981	1075	1078	44	30
25	10	32	2970	2986	1069	1073	40	31
40	10	32	3050	2996	1065	1076	42	31
15	0	28	3040	2967	1069	1073	42	30
40	20	26	2720	2768	1081	1076	40	31
40	10	27	3015	3006	1063	1084	44	32
25	10	30	3020	3001	1059	1063	40	31
40	20	26	3030	2986	1063	1067	46	31
25	0	26	3030	2947	1061	1061	36	32
35	5	26	3060	2986	1057	1061	34	32
15	0	28	3015	2981	1061	1061	40	30
15	5	27	3040	2981	1057	1061	38	28
30	10	26	2995	3006	1055	1057	42	28
30	5	31	3060	2986	1049	1063	38	31
30	10	31	3040	2991	1047	1065	42	32
30	0	27	3040	3006	1065	1055	48	31
25	15	27	2965	2991	1051	1059	54	31
15	5	27	3030	2986	1047	1053	44	27
40	10	27	3030	2986	1047	1063	42	30
15	10	32	3020	3001	1061	1061	48	32

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
197	68	11	0	15	5	32	3060
198	68	31	0	20	5	27	3100
199	68	51	0	15	20	31	2995
200	69	11	1	10	0	31	3030
201	69	31	1	15	0	31	3030
202	69	51	1	15	0	31	2995
203	70	11	0	15	10	30	3060
204	70	31	1	25	0	31	2995
205	70	51	1	25	5	32	3060
206	71	11	0	25	0	32	3060
207	71	31	1	30	0	31	3030
208	71	51	1	30	5	27	3015
209	72	11	1	35	5	32	3010
210	72	31	1	15	10	31	2995
211	72	51	1	15	0	31	3015
212	73	11	1	10	20	31	3015
213	73	31	1	20	5	30	3100
214	73	50	1	30	10	27	3010
215	74	10	1	20	10	32	2970
216	74	30	1	10	0	32	3030
217	74	50	1	15	5	32	3030
218	75	10	1	30	10	32	3010
219	75	30	1	15	0	30	3100
220	75	50	1	15	5	32	2995
221	76	10	1	5	0	31	3020
222	76	30	1	35	0	31	3015
223	76	50	1	5	*	31	2995
224	77	10	1	20	15	31	3010
225	77	30	1	15	5	31	2965
226	77	50	1	25	5	32	3010
227	78	10	1	20	0	27	3030
228	78	30	1	25	5	27	3030
229	78	50	1	10	0	31	3020
230	79	10	1	20	10	31	2995
231	79	30	10	755	737	30	2995
232	79	50	8	2930	2811	30	3015
233	80	9	31	2975	2881	32	2970
234	80	29	22	3020	2866	27	3010
235	80	49	33	3005	2901	32	3010
236	81	9	21	3026	2911	32	2995
237	81	29	41	3031	2911	27	3015
238	81	49	20	3041	40	26	2965
239	82	9	27	2940	2821	28	*
240	82	29	33	3036	2951	28	2965
241	82	49	48	3015	2946	27	3030
242	83	9	38	3091	3022	31	3060
243	83	29	*	3111	3062	30	3020
244	83	49	20	3111	3047	30	3015
245	84	9	13	3081	3042	23	3010
246	84	29	33	3066	3077	24	3015

2-06 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
15	5	32	3060	3006	1047	1063	40	32
20	5	27	3100	2977	1047	1055	40	32
15	20	31	2995	3001	1047	1063	40	29
10	0	31	3030	3001	1049	1059	38	31
15	0	31	3030	2986	1049	1059	40	31
15	0	31	2995	3021	1051	1049	42	30
15	10	30	3060	3021	1051	1049	34	30
25	0	31	2995	3001	1043	1055	36	30
25	5	32	3060	2986	1049	1053	36	30
25	0	32	3060	2996	1047	1051	40	30
30	0	31	3030	3001	1057	1049	40	30
30	5	27	3015	3021	1035	1047	44	30
35	5	32	3010	2986	1061	1053	40	30
15	10	31	2995	3001	1055	1047	40	30
15	0	31	3015	3021	1051	1051	40	29
10	20	31	3015	2996	1049	1053	38	29
20	5	30	3100	3001	1049	1055	40	29
30	10	27	3010	2986	1047	1049	36	32
20	10	32	2970	2991	1053	1051	34	29
10	0	32	3030	2996	1047	1053	36	29
15	5	32	3030	2986	1037	1053	38	29
30	10	32	3010	2996	1055	1049	34	29
15	0	30	3100	2991	1045	1047	44	29
15	5	32	2995	2986	1049	1049	34	30
5	0	31	3020	2981	1047	1049	40	31
35	0	31	3015	2996	1041	1051	42	31
5	*	31	2995	2981	1047	1049	42	31
20	15	31	3010	2986	1045	1047	34	30
15	5	31	2965	2981	1039	1049	36	31
25	5	32	3010	2991	1043	1063	40	30
20	0	27	3030	2986	1049	1049	34	30
25	5	27	3030	2981	1043	1053	40	31
10	0	31	3020	2991	1041	1049	34	30
20	10	31	2995	2986	1057	1047	40	30
755	737	30	2995	2981	1055	1051	40	32
830	2811	30	3015	2991	1043	1053	32	32
875	2881	32	2970	2981	1045	1047	34	31
820	2866	27	3010	2996	1045	1049	40	32
805	2901	32	3010	2996	1039	1047	34	31
826	2911	32	2995	2981	1049	1047	36	32
831	2911	27	3015	2981	1053	1047	34	32
841	40	26	2965	3086	22	6	36	30
840	2821	28	*	2981	24	18	34	32
836	2951	28	2965	2986	1037	1041	32	29
815	2946	27	3030	2991	1049	1045	30	29
891	3022	31	3060	2991	1041	1047	32	28
911	3052	30	3020	3011	1043	1041	36	31
911	3047	30	3015	3001	1047	1045	34	31
881	3042	23	3010	2986	1049	1041	38	30
866	3077	24	3015	2986	1057	1045	32	31

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
247	84	49	21	3081	3062	31	3015
248	85	9	25	3056	3032	23	3040
249	85	29	49	3222	3057	23	2995
250	85	49	25	3141	3072	26	3030
251	86	9	26	3081	3022	23	3030
252	86	29	29	3020	3057	31	3200
253	86	49	40	3222	3057	31	3015
254	87	9	35	3081	3062	22	3020
255	87	29	32	3081	3022	26	3030
256	87	49	26	3041	3082	30	3020
257	88	9	32	3081	3022	23	3100
258	88	29	32	3081	3022	30	3100
259	88	49	49	3066	3037	28	2970
260	89	9	32	3121	3032	27	3150
261	89	29	48	3066	3032	26	2965
262	89	49	37	3066	2991	24	3090
263	90	10	24	3081	3027	26	2965
264	90	30	35	3081	3067	23	2995
265	90	50	49	3046	3022	30	3020
266	91	10	41	3041	2991	27	3040
267	91	30	49	3041	3032	29	3060
268	91	50	49	3041	3062	27	3060
269	92	10	48	3041	3042	30	2995
270	92	31	40	3081	3012	26	2995
271	92	51	49	3041	3042	28	3060
272	93	11	25	3046	3032	24	2995
273	93	31	35	3066	3032	26	3030
274	93	52	25	3081	3037	26	2965
275	94	12	32	3066	3062	24	3055
276	94	32	25	3081	3037	26	3030
277	94	53	31	3026	3022	27	3060
278	95	13	49	3066	3017	28	2960
279	95	33	*	3020	2976	28	2795
280	95	54	25	3061	3037	31	3040
281	96	14	21	3066	3072	26	2995
282	96	35	21	3066	3072	28	3065
283	96	55	25	3066	3052	31	3015
284	97	15	21	3041	3027	28	3060
285	97	36	17	3031	3057	25	2995
286	97	56	42	3066	3012	32	3005
287	98	17	30	3041	3072	28	3060
288	98	37	20	3066	3037	27	3100
289	98	58	20	3041	3052	24	3030
290	99	19	26	2980	2956	30	2915
291	99	39	40	3182	2871	29	2880
292	100	0	24	3046	3017	28	2995
293	100	21	27	2980	3047	26	2960
294	100	41	35	3066	3042	27	3010
295	101	2	27	3041	3052	30	2995
296	101	23	49	3056	3032	30	3010

2-06 AGE YD. UMP LET ESS SIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
61	3062	31	3015	2981	1047	1051	40	30
56	3032	23	3040	2972	1041	1051	34	32
22	3057	23	2995	2981	1041	1041	30	31
61	3072	26	3030	2977	1043	1047	32	30
61	3022	23	3030	2981	1043	1049	34	34
20	3057	31	3200	3006	1047	1055	32	31
22	3057	31	3015	2972	1045	1055	36	31
61	3062	22	3020	3031	1047	1047	36	30
61	3022	26	3030	2957	1041	1049	36	34
61	3062	30	3020	2991	1057	1053	26	31
61	3022	23	3100	3021	1051	1047	32	31
61	3022	30	3100	2981	1049	1051	30	31
56	3037	28	2970	2996	1051	1051	32	30
21	3032	27	3150	2986	14	16	34	31
56	3032	26	2965	2981	1049	1053	34	30
56	2991	24	3090	2962	1053	1051	36	31
61	3027	26	2965	2942	1055	1051	34	32
61	3067	23	2995	2991	1053	1049	36	30
56	3022	30	3020	2991	1061	1063	30	31
61	2991	27	3040	2986	1055	1051	32	32
61	3032	29	3060	3001	1057	1049	36	39
61	3062	27	3060	2981	1043	1053	28	32
61	3042	30	2995	2996	1047	1055	26	33
61	3012	26	2995	3011	1051	1051	26	31
61	3042	28	3060	2996	1049	1047	32	31
56	3032	24	2995	3021	1057	1063	30	30
56	3032	26	3030	3031	1047	1051	32	31
61	3037	26	2965	2986	1045	1051	34	32
56	3062	24	3055	3011	1049	1049	36	31
61	3037	26	3030	2981	1047	1047	34	31
56	3022	27	3060	2966	1063	1053	26	30
56	3017	28	2960	2996	1051	1063	36	32
30	2976	28	2795	3180	1043	1047	36	31
61	3037	31	3040	2981	1053	1053	30	31
56	3072	26	2995	3001	1053	1049	36	32
56	3072	28	3065	2977	1047	1051	28	31
56	3052	31	3015	2991	1049	1051	36	31
61	3027	28	3060	3011	1045	1051	26	30
61	3057	25	2995	2967	1055	1049	36	30
56	3012	32	3005	3046	1061	1049	30	32
61	3072	28	3060	2996	1039	1051	26	32
56	3037	27	3100	2957	1051	1049	32	30
61	3052	24	3030	2981	1049	1051	28	31
30	2956	30	2915	2962	1063	1045	32	30
52	2871	29	2889	3081	1055	1041	30	31
56	3017	28	2995	2986	1047	1055	26	32
30	3047	26	2960	3165	1055	1063	34	30
56	3042	27	3010	2991	1053	1047	30	31
61	3052	30	2995	2991	1043	1053	32	31
56	3032	30	3010	2996	1043	1051	26	31

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
297	101	44	24	3227	3052	27	3020
298	102	4	21	3081	3017	27	3020
299	102	25	13	3051	3037	25	2995
300	102	46	20	3066	3062	28	3045
301	103	7	25	3222	3052	26	3100
302	103	28	29	3061	3042	25	3100
303	103	39	41	3066	3042	28	3040
304	104	9	24	3041	3027	27	2965
305	104	30	27	3041	3032	30	3010
306	104	51	49	3041	3067	28	3020
307	105	12	35	3081	30	21	3130
308	105	33	30	3222	2986	27	3030
309	105	54	49	3066	3012	27	3030
310	106	15	49	3041	3042	25	3015
311	106	36	24	3041	3012	26	2965
312	106	57	26	3041	3032	26	3120
313	107	18	49	3071	3032	26	3045
314	107	39	32	3066	3027	27	3005
315	108	0	21	3020	3022	26	3020
316	108	21	21	3081	3032	28	3040
317	108	42	41	3066	2991	28	2965
318	109	3	21	3081	3012	24	3045
319	109	24	48	3081	3032	25	3020
320	109	45	21	3081	3032	27	2965
321	110	5	17	3041	3032	26	3030
322	110	26	21	3091	3032	27	3010
323	110	47	22	3041	3037	30	2965
324	111	8	25	3066	3027	27	2965
325	111	29	17	3051	3032	28	2965
326	111	50	25	3227	3027	26	3010
327	112	11	49	3086	3042	26	3020
328	112	32	49	3041	3027	30	3060
329	112	53	30	3026	3037	28	3030
330	113	13	*	2985	3112	24	3400
331	113	34	40	3041	3022	23	3020
332	113	55	35	3066	3042	30	3060
333	114	16	41	2985	3032	28	3030
334	114	37	32	3081	3022	30	2995
335	114	57	41	3020	3037	27	3040
336	115	18	24	3066	3062	32	3060
337	115	39	17	3041	3022	30	3005
338	116	0	26	3066	3042	28	3030
339	116	21	49	2985	3037	30	2965
340	116	41	37	3066	3042	27	2965
341	117	2	20	3041	3022	26	2965
342	117	23	29	3020	3017	28	3020
343	117	45	49	3081	3052	30	3005
344	118	4	49	3041	3027	27	3010
345	118	25	22	3041	3027	30	3040
346	118	46	49	2985	3017	26	3020

6 E D. MP ET SS IG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
7	3052	27	3020	2972	1041	1049	36	31
	3017	27	3020	2952	1045	1055	22	31
	3037	25	2995	2981	1039	1041	28	31
5	3062	28	3045	2991	1043	1051	30	32
2	3052	26	3100	2981	1049	1049	36	31
1	3042	25	3100	2986	1045	1051	32	31
5	3042	28	3040	2996	1043	1049	32	32
1	3027	27	2965	2981	1055	1047	34	28
	3032	30	3010	2986	1057	1053	30	30
	3067	28	3020	3001	1057	1051	40	30
	30	21	3130	2912	1059	1063	32	30
2	2986	27	3030	39	1047	1045	30	31
5	3012	27	3030	3036	20	14	26	30
1	3042	25	3015	2986	1061	1051	40	31
	3012	26	2965	2977	1051	1047	26	30
	3032	26	3120	2981	1049	1047	30	28
	3032	26	3045	2981	1045	1047	32	31
5	3027	27	3005	2991	1045	1045	28	31
0	3022	26	3020	3001	1049	1047	32	30
1	3032	28	3040	2996	1045	1053	26	30
5	2991	28	2965	2981	1043	1041	26	30
	3012	24	3045	3001	1059	1053	26	30
	3032	25	3020	2986	1053	1045	28	32
1	3032	27	2965	3086	1057	1049	26	31
1	3032	26	3030	2981	1043	1043	36	30
1	3032	27	3010	2981	1053	1047	28	31
1	3037	30	2965	2996	1049	1047	26	30
5	3027	27	2965	2981	1043	1049	34	29
2	3032	28	2965	3031	1055	1041	36	28
7	3027	26	3010	2972	1047	1041	30	29
5	3042	26	3020	2981	1047	1047	26	30
1	3027	30	3060	2986	1047	1047	30	29
5	3037	28	3030	2986	1043	1047	26	28
5	3112	24	3400	2837	1045	1051	28	27
1	3022	23	3020	2957	1041	1047	26	30
6	3042	30	3060	2996	1047	1049	34	30
5	3032	28	3030	2996	1045	1043	36	31
1	3022	30	2995	2991	1047	1049	34	31
8	3037	27	3040	2967	1045	1047	26	31
5	3062	32	3060	2981	1047	1047	26	32
	3022	30	3005	2991	1047	1049	32	28
6	3042	28	3030	3001	1049	1049	26	31
5	3037	30	2965	2986	1053	1051	30	31
5	3042	27	2965	2981	1043	1055	32	30
1	3022	26	2965	2981	1047	1051	28	28
8	3017	28	3020	2991	1049	1051	30	32
1	3052	30	3005	2996	1047	1047	32	31
1	3027	27	3010	2986	1045	1055	26	30
1	3027	30	3040	2996	1047	1047	26	29
3	3017	26	3020	2991	1049	1049	26	28

2-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
347	119	6	25	3020	3017	31	3040
348	119	27	49	3020	3017	27	2965
349	119	48	25	2985	3032	30	3045
350	120	8	32	3041	3077	24	2860
351	120	29	49	3081	2976	30	3065
352	120	50	26	3041	3017	26	3010
353	121	10	17	3066	3042	28	2965
354	121	31	49	3051	3017	26	3015
355	121	52	18	3066	3042	26	2995
356	122	12	21	3041	3012	23	3020
357	122	33	20	3066	3042	23	3005
358	122	53	32	3041	2971	24	3040
359	123	14	41	3020	3017	25	3015
360	123	34	41	3041	3052	24	2995
361	123	55	32	3041	2991	23	2995
362	124	15	21	3046	3042	28	3005
363	124	36	*	3015	3032	30	3060
364	124	56	31	2970	2936	27	3010
365	125	17	18	2013	1877	28	3030
366	125	37	1	5	0	30	3015
367	125	58	1	*	*	30	2995
368	126	18	1	*	*	27	3100
369	126	39	1	*	0	31	3030
370	126	59	0	0	*	24	3015
371	127	20	0	*	*	27	2965
372	127	40	0	*	0	28	2995
373	128	1	0	0	0	25	3015
374	128	21	1	0	5	32	3010
375	128	41	0	10	5	27	3020
376	129	2	0	5	0	32	2995
377	129	22	0	0	0	27	3040
378	129	42	0	0	5	32	2995
379	130	3	0	0	0	24	2995
380	130	23	0	0	5	27	3030
381	130	44	0	5	0	33	2995
382	131	4	0	0	5	32	2995
383	131	24	0	0	*	24	2995
384	131	45	0	0	*	31	2960
385	132	5	0	0	5	31	3030
386	132	25	0	0	*	32	3015
387	132	46	0	0	*	32	3030
388	133	6	0	0	*	29	3000
389	133	26	0	0	0	22	2995
390	133	46	0	0	0	29	3040
391	134	7	0	5	*	22	3040
392	134	27	1	5	*	25	2995
393	134	47	1	5	*	24	3100
394	135	8	0	0	0	32	2955
395	135	28	1	*	0	27	2930
396	135	48	0	0	*	29	2970

2-06 AGE YD. UMP LET ESS SIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
20	3017	31	3040	2996	1049	1049	26	30
20	3017	27	2965	2996	1053	1047	34	30
85	3032	30	3045	2991	1053	1047	32	28
41	3077	24	2860	3155	1057	1049	32	30
01	2976	30	3065	2877	1057	1051	32	30
41	3017	26	3010	3031	1047	1051	26	30
66	3042	28	2965	2957	1053	1049	32	28
51	3017	26	3015	2991	1047	1047	26	30
66	3042	26	2995	2996	1045	1047	28	30
41	3012	23	3020	3001	1045	1055	30	30
66	3042	23	3005	3001	1043	1045	26	30
41	2971	24	3040	2991	1043	1049	28	30
20	3017	25	3015	2996	1049	1041	28	24
41	3052	24	2995	3021	1049	1049	36	28
41	2991	23	2995	2986	1043	1047	26	27
46	3042	26	3005	2986	1053	1049	36	31
15	3032	30	3060	2996	1051	1061	26	28
70	2936	27	3010	2991	1051	1049	26	27
13	1877	28	3030	3001	1049	1049	36	30
5	0	30	3015	2986	1051	1053	36	31
*	*	30	2995	3021	24	14	36	31
*	*	27	3100	3006	24	20	30	34
*	0	31	3030	3011	22	20	32	29
9	*	24	3015	2996	20	12	24	31
*	*	27	2965	2991	24	14	32	27
*	0	28	2995	3021	26	6	36	29
0	0	25	3015	2996	16	16	58	26
0	5	32	3010	3011	20	14	60	25
10	5	27	3020	2996	22	18	26	27
5	0	32	2995	3001	20	20	26	24
0	0	27	3040	2981	28	12	42	33
0	5	32	2995	3001	22	16	26	33
0	0	24	2995	3001	28	18	60	27
0	5	27	3030	2991	20	20	30	20
5	0	33	2995	2991	20	14	54	26
0	5	32	2995	2986	18	20	30	27
0	*	24	2995	2967	24	14	24	31
0	*	31	2960	3001	18	20	32	31
0	5	31	3030	3006	24	22	54	25
0	*	32	3015	2986	24	14	56	28
0	*	32	3030	3011	1051	20	50	25
0	*	29	3000	2981	1049	1049	36	30
0	0	22	2995	2991	1047	1049	30	30
0	0	29	3040	2937	1053	1053	28	27
5	*	22	3040	2887	1047	1055	32	31
5	*	25	2995	2947	1037	1043	26	30
5	*	24	3100	2932	1041	1047	28	28
0	0	32	2955	2981	1039	1037	28	31
*	0	27	2930	2981	1045	1043	26	29
0	*	29	2970	2972	1035	1043	34	32

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
397	136	8	0	0	0	26	3015
398	136	29	0	*	*	25	2970
399	136	49	0	0	*	30	3100
400	137	9	0	0	*	26	2995
401	137	29	1	5	*	24	3100
402	137	50	0	0	*	26	2945
403	138	10	1	10	*	26	3020
404	138	30	1	0	*	25	3010
405	138	50	1	0	*	22	2955
406	139	11	1	5	*	21	2995
407	139	31	*	5	0	23	2960
408	139	51	*	0	*	31	3020
409	140	11	*	10	*	26	2955
410	140	31	0	90	55	27	2995
411	140	52	0	35	0	22	3025
412	141	12	0	20	*	22	3050
413	141	32	0	30	*	27	2995
414	141	52	0	25	*	22	3020
415	142	12	0	15	*	23	3010
416	142	32	0	5	*	31	3010
417	142	53	0	5	*	25	3015
418	143	13	0	0	*	22	3020
419	143	33	0	5	*	30	3020
420	143	53	0	20	*	29	3015
421	144	13	0	15	*	29	3010
422	144	33	0	10	*	32	3040
423	144	53	0	20	*	32	3010
424	145	14	0	20	*	25	3015
425	145	34	0	10	*	27	2995
426	145	54	0	20	*	27	2995
427	146	14	0	15	*	28	2995
428	146	34	0	10	*	24	2995
429	146	54	0	20	*	27	3010
430	147	14	0	5	*	31	3040
431	147	34	0	20	*	25	3005
432	147	54	0	10	*	26	2995
433	148	15	0	10	*	30	3000
434	148	35	0	5	*	29	2985
435	148	55	0	5	*	26	2995
436	149	15	0	15	*	31	3000
437	149	35	0	20	*	29	3030
438	149	55	0	10	*	*	20
439	150	15	0	10	*	*	15
440	150	35	0	0	*	*	20
441	150	55	0	0	*	*	10
442	151	15	0	5	*	*	5
443	151	36	0	0	*	*	5
444	151	56	0	5	*	*	0
445	*	*	*	*	*	*	*

06 GE D. MP ET SS IG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
0	0	28	3015	2847	1041	1047	30	32
*	*	25	2970	2962	1037	1029	28	32
0	*	30	3100	2952	1037	1037	30	31
0	*	26	2995	2952	1035	1035	30	31
5	*	24	3100	2972	1041	1047	30	27
0	*	26	2945	3021	1035	1031	24	32
10	*	26	3020	2937	1035	1047	26	31
0	*	25	3010	2937	1027	1039	32	34
0	*	22	2955	2867	28	6	22	30
5	*	21	2995	3091	8	20	26	31
5	0	23	2960	2991	18	16	28	30
0	*	31	3020	2986	18	10	32	30
10	*	26	2955	2986	22	12	28	29
90	55	27	2995	2986	24	20	26	29
85	0	22	3025	2986	16	14	28	32
20	*	22	3050	2981	20	18	22	30
30	*	27	2995	2996	12	16	26	30
25	*	22	3020	2977	22	16	30	29
15	*	23	3010	2991	14	8	26	32
5	*	31	3010	2986	20	12	22	31
5	*	25	3015	2981	14	8	26	30
0	*	22	3020	2991	14	8	28	30
5	*	30	3020	2972	12	16	22	29
20	*	29	3015	2981	16	20	26	31
15	*	29	3010	2967	20	14	28	29
10	*	32	3040	2996	16	14	25	28
0	*	32	3010	2981	20	12	24	27
20	*	25	3015	2981	14	6	26	29
20	*	27	2995	2981	20	10	20	30
20	*	27	2995	2962	16	18	30	28
15	*	28	2995	2986	14	18	24	29
10	*	24	2995	2981	14	14	26	30
0	*	27	3018	2972	20	16	30	30
5	*	31	3040	2981	22	12	26	29
0	*	25	3005	2981	16	12	22	30
10	*	26	2995	2981	18	14	24	29
10	*	30	3000	2962	20	14	28	27
5	*	29	2985	2981	24	20	22	30
5	*	26	2995	2957	20	12	28	29
5	*	31	3000	2972	20	12	26	30
0	*	29	3030	2947	22	12	24	30
0	*	*	20	*	*	*	*	0
0	*	*	15	*	*	*	*	0
0	*	*	20	*	*	*	*	0
0	*	*	10	*	*	*	0	0
5	*	*	5	*	*	*	0	0
0	*	*	5	*	*	*	0	0
5	*	*	0	*	0	*	*	0
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
1	0	4	40	0
2	0	24	30	4
3	0	44	25	8
4	1	4	30	2
5	1	24	20	2
6	1	44	25	2
7	2	4	15	12
8	2	24	15	0
9	2	44	30	0
10	3	4	25	4
11	3	24	15	6
12	3	44	25	4
13	4	4	15	4
14	4	24	25	4
15	4	44	25	2
16	5	4	50	0
17	5	24	15	4
18	5	44	30	6
19	6	4	15	4
20	6	24	30	4
21	6	44	20	2
22	7	4	40	8
23	7	24	30	4
24	7	44	15	8
25	8	4	15	8
26	8	24	40	4
27	8	44	25	4
28	9	7	5	0
29	9	27	20	4
30	9	47	20	2
31	10	7	5	0
32	10	27	20	0
33	10	47	10	0
34	11	7	5	2
35	11	27	30	2
36	11	47	15	2
37	15	24	10	24
38	15	44	20	16
39	16	4	15	14
40	16	24	20	14
41	16	44	10	20
42	17	4	20	14
43	17	24	20	18
44	17	44	5	20
45	18	4	10	12

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
46	18	24	50	18
47	18	44	30	14
48	19	4	25	18
50	19	27	30	24
51	19	47	25	22
52	20	7	35	28
53	20	27	35	20
54	20	47	30	22
55	21	7	40	20
56	21	27	35	20
57	21	47	15	20
58	22	7	35	20
59	22	27	25	24
60	22	47	40	20
61	23	7	45	20
62	23	27	45	22
63	23	47	35	26
64	24	7	30	22
65	24	27	25	20
66	24	33	20	22
67	24	53	10	20
68	25	13	15	18
69	25	33	25	20
70	25	53	20	20
71	26	13	10	14
72	26	33	10	18
73	26	53	15	18
74	27	13	15	12
75	27	33	0	18
76	27	53	10	20
77	28	13	20	18
78	28	33	0	14
79	28	53	20	16
80	29	13	10	18
81	29	33	3040	928
82	29	53	3045	1024
83	30	13	3040	1094
84	30	33	3136	1132
85	30	53	3131	1132
86	31	13	3136	1100
87	31	34	3090	1082
88	31	54	3060	1100
89	32	14	3050	1120
90	32	34	3060	1124
91	32	54	3131	1120
92	33	14	3095	1144
93	33	34	3090	1328
94	33	54	3085	1342
95	34	14	3080	1366
96	34	34	3131	1376

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
97	34	54	3100	1380
98	35	14	3085	1400
99	35	34	3085	1404
100	35	54	3141	1408
101	36	14	3080	1406
102	36	34	3060	1414
103	36	54	3090	1418
104	37	14	3060	1422
105	37	34	3080	1426
106	37	54	3070	1428
107	38	14	3141	1432
108	38	34	3040	1426
109	38	54	3080	1430
110	39	14	3070	1440
111	39	34	3090	1136
112	39	54	3085	1434
113	40	14	3040	1434
114	40	34	3141	1446
115	40	54	3141	1440
116	41	14	3035	1444
117	41	34	3070	1446
118	41	54	3060	1444
119	42	14	3050	1452
120	42	34	3050	1452
121	42	54	3040	1454
122	43	14	3060	1446
123	43	34	3035	1446
124	43	54	3055	1460
125	44	14	3070	1450
126	44	34	3075	1454
127	44	54	3060	1454
128	45	14	3035	1452
129	45	34	3035	1460
130	45	54	3040	1462
131	46	14	3024	1464
132	46	34	3131	1456
133	46	54	3045	1458
134	47	13	3045	1464
135	47	33	3060	1460
136	47	53	3080	1460
137	48	13	3075	1460
138	48	33	3045	1450
139	48	53	3035	1454
140	49	13	3030	1454
141	49	33	3050	1456
142	49	53	3065	1454
143	50	13	3035	1456
144	50	33	3060	1454
145	50	53	3040	1452
146	51	13	3080	1460

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
147	51	33	3035	1454
148	51	53	3060	1458
149	52	13	3035	1462
150	52	33	3035	1460
151	52	53	3085	1150
152	53	13	3080	1460
153	53	33	3030	1464
154	53	53	3045	1464
155	54	13	3050	1464
156	54	33	3035	1468
157	54	53	3065	1466
158	55	13	3045	1468
159	55	33	3050	1464
160	55	53	3040	1464
161	56	13	3035	1464
162	56	33	3035	1460
163	56	53	3050	1442
164	57	13	3050	1468
165	57	33	3040	1466
166	57	52	3014	1468
167	58	12	3040	1462
168	58	32	3060	1468
169	58	52	3030	1468
170	59	12	3019	1468
171	59	32	2989	1462
172	59	52	3040	1460
173	60	12	3019	1282
174	60	32	3045	1472
175	60	52	3019	1462
176	61	12	3045	1474
177	61	32	3019	1462
178	61	52	3039	1466
179	62	12	3080	1460
180	62	32	3009	1466
181	62	52	2964	1204
182	63	12	3080	1468
183	63	32	3040	1460
184	63	52	3019	1462
185	64	12	3045	1462
186	64	32	3035	1472
187	64	52	3060	1470
188	65	12	3040	1466
189	65	31	2954	1468
190	65	51	3035	1468
191	66	11	3060	1466
192	66	31	3131	1468
193	66	51	3014	1476
194	67	11	2969	1458
195	67	31	3030	1468
196	67	51	2949	1466

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
197	68	11	3004	1464
198	68	31	3035	1476
199	68	51	3040	1472
200	69	11	3045	1476
201	69	31	3019	1472
202	69	51	3080	1472
203	70	11	3030	1462
204	70	31	2984	1466
205	70	51	3019	1474
206	71	11	3080	1468
207	71	31	3004	1472
208	71	51	2984	1468
209	72	11	3080	1468
210	72	31	3019	1480
211	72	51	3050	1472
212	73	11	3131	1474
213	73	31	2984	1474
214	73	50	2954	1470
215	74	10	2999	1466
216	74	30	2984	1468
217	74	50	2949	1474
218	75	10	3035	1472
219	75	30	3030	1466
220	75	50	3035	1474
221	76	10	3035	1472
222	76	30	2893	1466
223	76	50	2898	1464
224	77	10	3004	1468
225	77	30	3131	1466
226	77	50	3040	1480
227	78	10	3035	1472
228	78	30	3004	1486
229	78	50	3039	1472
230	79	10	3004	1480
231	79	30	3035	1480
232	79	50	2959	1480
233	80	9	2954	1468
234	80	29	3040	1474
235	80	49	2984	1474
236	81	9	2964	1476
237	81	29	3060	1472
238	81	49	3030	1250
239	82	9	2949	1464
240	82	29	3131	1474
241	82	49	3019	1476
242	83	9	3030	1480
243	83	29	3035	1466
244	83	49	2979	1466
245	84	9	2959	1470
246	84	29	3040	1466

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
247	84	49	3004	1464
248	85	9	3019	1474
249	85	29	2999	1470
250	85	49	3004	1464
251	86	9	3070	1466
252	86	29	3030	1476
253	86	49	2979	1470
254	87	9	2964	1468
255	87	29	3035	1470
256	87	49	3035	1470
257	88	9	3131	1466
258	88	29	3040	1466
259	88	49	2974	1468
260	89	9	3040	1468
261	89	29	3035	1466
262	89	49	3035	1460
263	90	10	3040	1466
264	90	30	3070	1456
265	90	50	3040	1464
266	91	10	3131	1466
267	91	30	2954	1464
268	91	50	3040	1462
269	92	10	3040	1464
270	92	31	2979	1464
271	92	51	2989	1462
272	93	11	2964	1464
273	93	31	3050	1460
274	93	52	3045	1460
275	94	12	3019	1458
276	94	32	2979	1456
277	94	53	3019	1462
278	95	13	3055	1464
279	95	33	3019	1464
280	95	54	3131	1462
281	96	14	2964	1460
282	96	35	3131	1454
283	96	55	3035	1466
284	97	15	3060	1464
285	97	36	2989	1464
286	97	56	3050	1466
287	98	17	3014	1460
288	98	37	3009	1456
289	98	58	3030	1454
290	99	19	3004	1440
291	99	39	3030	1466
292	100	0	2994	1460
293	100	21	3131	1460
294	100	41	3141	1468
295	101	2	2964	1462
296	101	23	3030	1464

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
297	101	44	3030	1462
298	102	4	2999	1454
299	102	25	3030	1460
300	102	46	3050	1456
301	103	7	3050	1454
302	103	28	3040	1460
303	103	39	2964	1448
304	104	9	2999	1442
305	104	30	2969	1430
306	104	51	3045	1462
307	105	12	3035	1460
308	105	33	3035	136
309	105	54	3045	1472
310	106	15	3045	1468
311	106	36	3050	1462
312	106	57	3035	1460
313	107	18	3060	1460
314	107	39	3040	1466
315	108	0	3080	1458
316	108	21	3080	1466
317	108	42	2979	1460
318	109	3	3030	1454
319	109	24	3040	1454
320	109	45	3080	1456
321	110	5	3080	1460
322	110	26	3030	1458
323	110	47	2954	1460
324	111	8	3131	1462
325	111	29	3009	1458
326	111	50	3050	1460
327	112	11	3024	1456
328	112	32	3030	1460
329	112	53	3040	1456
330	113	13	3131	1454
331	113	34	3030	1454
332	113	55	3030	1462
333	114	16	3030	1454
334	114	37	3019	1460
335	114	57	3039	1454
336	115	18	2989	1460
337	115	39	2964	1454
338	116	0	3030	1462
339	116	21	3035	1454
340	116	41	3019	1468
341	117	2	3030	1454
342	117	23	2964	1462
343	117	44	3131	1460
344	118	4	3004	1464
345	118	25	2984	1460
346	118	46	3040	1464

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
347	119	6	3030	1456
348	119	27	3080	1460
349	119	48	3030	1458
350	120	8	3040	1462
351	120	29	3019	1468
352	120	50	3040	1460
353	121	10	2984	1454
354	121	31	3004	1468
355	121	52	2989	1458
356	122	12	3030	1466
357	122	33	3030	1462
358	122	53	2979	1464
359	123	14	3030	1438
360	123	34	3019	1420
361	123	55	3030	1422
362	124	15	3014	1442
363	124	36	3030	1460
364	124	56	3050	1460
365	125	17	3019	1454
366	125	37	3040	1462
367	125	58	3040	1464
368	126	18	3019	1460
369	126	39	3050	1468
370	126	59	3050	1470
371	127	20	3105	1464
372	127	40	3131	1454
373	128	1	2822	1474
374	128	21	3035	1464
375	128	41	3242	1468
376	129	2	3014	1454
377	129	22	2747	1450
378	129	42	2812	1456
379	130	3	2868	1480
380	130	23	*	1488
381	130	44	2828	1472
382	131	4	3060	1460
383	131	24	3066	1446
384	131	45	2999	1460
385	132	5	2918	1480
386	132	25	2843	1470
387	132	46	3019	1468
388	133	6	3131	1450
389	133	26	3050	1462
390	133	46	3040	1460
391	134	7	3080	1456
392	134	27	3060	1454
393	134	47	3035	1464
394	135	8	3090	1466
395	135	28	2994	1462
396	135	48	3035	1464

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
397	136	8	3131	1468
398	136	29	2999	1466
399	136	49	2989	1466
400	137	9	2984	1468
401	137	29	3019	1476
402	137	50	3070	1466
403	138	10	2984	1468
404	138	30	3035	1468
405	138	50	3080	1466
406	139	11	3040	1476
407	139	31	3131	1466
408	139	51	3040	1476
409	140	11	3040	1468
410	140	31	2989	1468
411	140	52	3030	1472
412	141	12	3035	1466
413	141	32	2964	1472
414	141	52	3070	1466
415	142	12	2984	1468
416	142	32	3030	1472
417	142	53	3050	1460
418	143	13	3030	1462
419	143	33	3080	1468
420	143	53	3050	1462
421	144	13	3035	1468
422	144	33	2964	1468
423	144	53	2964	1466
424	145	14	2964	1462
425	145	34	3131	1468
426	145	54	3045	1466
427	146	14	2964	1468
428	146	34	3045	1464
429	146	54	3040	1466
430	147	14	2999	1470
431	147	34	3070	1468
432	147	54	3019	1470
433	148	15	3035	1472
434	148	35	3040	1476
435	148	55	3035	1480
436	149	15	2969	1472
437	149	35	3080	1470
438	149	55	*	24
439	150	15	*	18
440	150	35	*	20
441	150	55	*	14
442	151	15	*	14
443	151	36	*	10
444	151	56	*	8
445	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
1	0	7	-52	-52	-52	-52	-52
2	0	27	-52	-52	-52	-52	-52
3	0	47	-52	-52	-52	-52	-52
4	1	7	-52	-52	-52	-52	-51
5	1	27	-52	-52	-52	-52	-52
6	1	47	-52	-52	-52	-52	-52
7	2	7	-52	-52	-52	-52	-52
8	2	27	-53	-52	-52	-52	-52
9	2	47	-52	-52	-52	-51	-52
10	3	7	-53	-52	-52	-52	-52
11	3	27	-52	-52	-52	-52	-52
12	3	47	-52	-52	-52	-52	-52
13	4	7	-52	-52	-52	-52	-52
14	4	27	-53	-52	-52	-52	-52
15	4	47	-52	-52	-52	-52	-51
16	5	7	-53	-52	-52	-53	-52
17	5	27	-52	-52	-52	-52	-52
18	5	47	-53	-52	-52	-52	-52
19	6	7	-52	-52	-52	-52	-51
20	6	27	-53	-52	-52	-52	-50
21	6	47	-52	-52	-52	-52	-48
22	7	7	-52	-52	-52	-52	-48
23	7	27	-52	-52	-52	-51	-48
24	7	47	-52	-52	-52	-51	-48
25	8	6	-52	-52	-51	-52	-46
26	8	26	-52	-52	-51	-51	-47
27	8	46	-52	-52	-52	-50	-47
28	9	9	-52	-50	-49	-49	-49
29	9	29	-52	-50	-50	-49	-50
30	9	49	-52	-50	-50	-49	-48
31	10	9	-52	-50	-50	-48	-47
32	10	29	-52	-50	-49	-49	-46
33	10	49	-51	-50	-50	-48	-45
34	11	9	-51	-50	-50	-48	-46
35	11	29	-52	-50	-50	-48	-46
36	11	49	-52	-50	-50	-49	-46
37	15	26	-51	-49	-49	-48	-49
38	15	46	-51	-49	-49	-48	-49
39	16	6	-51	-49	-49	-48	-48
40	16	26	-51	-49	-49	-48	-48
41	16	46	-51	-49	-49	-48	-48
42	17	6	-51	-49	-49	-48	-48
43	17	26	-51	-49	-49	-48	-48
44	17	46	-51	-49	-49	-48	-48
45	18	6	-51	-49	-48	-48	-48

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
-52	-52	-52	-52	-52	-52	-52	-52	-52
-52	-52	-52	-52	-52	-52	-52	-51	-52
-52	-52	-52	-52	-52	-52	-52	-51	-52
-52	-52	-52	-51	-52	-51	-51	-52	-52
-52	-52	-52	-52	-52	-51	-52	-51	-52
-52	-52	-52	-52	-52	-52	-52	-51	-53
-52	-52	-52	-52	-52	-52	-52	-51	-52
-52	-52	-52	-52	-52	-52	-51	-52	-53
-52	-52	-51	-52	-52	-52	-52	-52	-52
-52	-52	-52	-52	-52	-52	-52	-52	-53
-52	-52	-52	-52	-52	-52	-52	-52	-53
-52	-52	-52	-52	-52	-52	-52	-52	-53
-52	-52	-52	-52	-52	-52	-52	-51	-52
-52	-52	-52	-52	-52	-52	-52	-52	-53
-52	-52	-52	-51	-52	-52	-52	-51	-53
-52	-52	-53	-52	-52	-52	-52	-52	-52
-52	-52	-52	-52	-52	-52	-52	-52	-52
-52	-52	-52	-52	-52	-52	-52	-52	-52
-52	-52	-52	-51	-52	-52	-52	-52	-53
-52	-52	-52	-50	-51	-52	-52	-50	-52
-52	-52	-52	-48	-50	-52	-51	-50	-52
-52	-52	-52	-48	-50	-51	-52	-49	-52
-52	-52	-51	-48	-49	-51	-51	-48	-52
-52	-52	-51	-48	-50	-51	-51	-48	-52
-52	-51	-52	-46	-49	-51	-50	-48	-51
-52	-51	-51	-47	-50	-51	-50	-48	-52
-52	-52	-50	-47	-50	-51	-51	-48	-52
-50	-49	-49	-49	-49	-48	-50	-49	-51
-50	-50	-49	-50	-49	-50	-50	-49	-51
-50	-50	-49	-48	-49	-49	-50	-48	-51
-50	-50	-48	-47	-48	-50	-50	-48	-51
-50	-49	-49	-46	-48	-50	-50	-48	-51
-50	-50	-48	-46	-48	-49	-49	-47	-51
-50	-50	-48	-46	-48	-50	-50	-47	-51
-50	-50	-48	-46	-48	-50	-50	-47	-51
-50	-50	-49	-46	-48	-50	-50	-47	-51
-49	-49	-48	-49	-49	-49	-49	-48	-51
-49	-49	-48	-49	-48	-49	-49	-48	-51
-49	-49	-48	-48	-49	-49	-49	-48	-51
-49	-49	-48	-48	-48	-49	-49	-48	-51
-49	-49	-48	-48	-49	-48	-48	-49	-51
-49	-49	-48	-48	-49	-48	-48	-49	-51
-49	-49	-48	-48	-48	-49	-49	-48	-51
-49	-49	-48	-48	-49	-48	-48	-49	-51
-49	-48	-48	-48	-48	-48	-48	-48	-51

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
46	18	26	-51	-48	-49	-48	-47
47	18	46	-51	-49	-49	-48	-47
48	19	6	-51	-49	-49	-48	-47
50	19	29	-51	-48	-48	-48	-48
51	19	49	-51	-48	-48	-48	-47
52	20	9	-51	-48	-48	-48	-47
53	20	29	-51	-48	-48	-48	-47
54	20	50	-51	-48	-48	-47	-46
55	21	10	-51	-48	-48	-47	-46
56	21	30	-50	-48	-47	-47	-45
57	21	50	-51	-48	-48	-47	-45
58	22	10	-51	-48	-47	-47	-45
59	22	30	-50	-47	-47	-46	-44
60	22	50	-50	-48	-47	-47	-45
61	23	10	-50	-48	-47	-47	-45
62	23	30	-50	-48	-47	-47	-45
63	23	50	-51	-48	-48	-48	-46
64	24	10	-51	-47	-47	-47	-45
65	24	27	-50	-48	-48	-47	-47
66	24	35	-50	-48	-49	-49	-49
67	24	55	-50	-48	-49	-48	-48
68	25	16	-50	-49	-49	-48	-47
69	25	36	-50	-49	-49	-49	-47
70	25	56	-50	-49	-49	-49	-47
71	26	16	-50	-48	-49	-49	-46
72	26	36	-50	-49	-50	-49	-46
73	26	56	-50	-48	-49	-48	-46
74	27	16	-50	-48	-48	-48	-46
75	27	36	-50	-49	-49	-48	-46
76	27	56	-50	-49	-48	-48	-47
77	28	16	-50	-48	-48	-48	-46
78	28	36	-50	-49	-49	-48	-47
79	28	56	-50	-49	-49	-48	-46
80	29	16	-50	-48	-48	-48	-46
81	29	36	-50	-48	-48	-48	-46
82	29	56	-49	-48	-49	-48	-46
83	30	16	-49	-49	-49	-48	-46
84	30	36	-49	-49	-48	-48	-46
85	30	56	-49	-48	-49	-48	-46
86	31	16	-49	-48	-48	-48	-46
87	31	36	-50	-48	-48	-48	-46
88	31	56	-49	-48	-48	-48	-47
89	32	16	-49	-49	-48	-48	-47
90	32	36	-49	-48	-48	-48	-46
91	32	56	-48	-48	-48	-48	-47
92	33	16	-48	-48	-49	-48	-48
93	33	36	-50	-48	-48	-48	-48
94	33	56	-50	-48	-48	-48	-48
95	34	16	-52	-48	-48	-48	-48
96	34	36	-51	-48	-48	-48	-48

-06 ER UM ER MP UT C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
8	-49	-48	-47	-48	-48	-48	-47	-50
9	-49	-48	-47	-48	-48	-49	-48	-50
9	-49	-48	-47	-48	-48	-49	-48	-50
	-48	-48	-48	-48	-48	-48	-48	-50
	-48	-48	-47	-48	-48	-48	-47	-50
8	-48	-48	-47	-48	-48	-48	-47	-49
8	-48	-48	-47	-48	-49	-48	-47	-50
8	-48	-47	-46	-47	-48	-48	-46	-50
	-48	-47	-46	-48	-48	-48	-47	-50
	-47	-47	-45	-47	-48	-48	-46	-49
8	-48	-47	-45	-47	-48	-48	-46	-50
8	-47	-47	-45	-47	-48	-48	-46	-49
7	-47	-46	-44	-46	-47	-47	-45	-49
8	-47	-47	-45	-47	-48	-48	-46	-49
	-47	-47	-45	-46	-48	-48	-46	-50
	-47	-47	-45	-47	-48	-48	-46	-50
	-48	-48	-46	-47	-48	-48	-46	-50
7	-47	-47	-45	-47	-48	-48	-46	-50
8	-48	-47	-47	-47	-47	-47	-46	-49
	-49	-49	-49	-49	-49	-50	-48	-51
	-49	-48	-48	-48	-50	-50	-48	-51
	-49	-48	-47	-48	-50	-50	-48	-50
	-49	-49	-47	-48	-50	-50	-47	-50
	-49	-49	-47	-48	-50	-50	-47	-50
	-49	-49	-46	-48	-50	-50	-46	-50
	-50	-49	-46	-48	-50	-50	-46	-51
	-49	-48	-46	-47	-50	-50	-46	-50
	-48	-48	-46	-47	-50	-50	-46	-50
	-49	-48	-46	-48	-50	-49	-46	-50
	-48	-48	-47	-48	-49	-50	-46	-50
	-48	-48	-46	-48	-49	-49	-46	-51
	-49	-48	-47	-48	-50	-49	-46	-51
	-49	-48	-46	-47	-49	-49	-46	-50
	-48	-48	-46	-48	-49	-49	-46	-50
	-48	-48	-46	-47	-49	-49	-46	-50
	-49	-48	-46	-48	-50	-50	-46	-50
	-49	-48	-46	-48	-50	-50	-45	-50
	-48	-48	-46	-47	-49	-50	-46	-51
	-49	-48	-46	-47	-50	-50	-47	-50
	-48	-48	-46	-47	-50	-50	-45	-50
	-48	-48	-46	-47	-50	-49	-45	-50
	-48	-48	-47	-47	-50	-50	-47	-50
	-48	-48	-47	-47	-50	-49	-47	-50
	-48	-48	-46	-48	-50	-50	-45	-50
	-48	-48	-47	-48	-49	-49	-46	-50
	-49	-48	-48	-48	-50	-50	-45	-50
	-48	-48	-48	-48	-50	-50	-46	-50
	-48	-48	-48	-49	-50	-50	-47	-50
	-48	-48	-48	-48	-49	-50	-48	-50
	-48	-48	-48	-48	-49	-50	-48	-49

2

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
97	34	56	-51	-48	-48	-48	-48
98	35	16	-51	-48	-49	-48	-48
99	35	36	-50	-48	-48	-48	-48
100	35	56	-52	-48	-47	-47	-48
101	36	16	-51	-48	-47	-47	-47
102	36	36	-51	-48	-46	-47	-48
103	36	56	-51	-48	-47	-48	-48
104	37	16	-51	-48	-48	-47	-47
105	37	36	-50	-48	-47	-48	-47
106	37	56	-49	-47	-47	-48	-46
107	38	16	-49	-48	-47	-48	-46
108	38	36	-49	-48	-47	-47	-46
109	38	56	-48	-47	-48	-48	-46
110	39	16	-48	-47	-47	-47	-46
111	39	36	-48	-47	-47	-47	-46
112	39	56	-47	-47	-47	-47	-46
113	40	16	-46	-48	-47	-47	-44
114	40	36	-46	-47	-47	-47	-42
115	40	56	-46	-47	-47	-47	-42
116	41	16	-46	-47	-46	-47	-41
117	41	36	-45	-46	-47	-47	-41
118	41	56	-45	-47	-47	-46	-41
119	42	16	-45	-47	-47	-47	-40
120	42	36	-45	-47	-46	-46	-41
121	42	56	-44	-47	-46	-47	-41
122	43	16	-44	-46	-46	-47	-41
123	43	36	-44	-45	-46	-46	-42
124	43	56	-44	-46	-46	-46	-41
125	44	16	-44	-46	-46	-46	-42
126	44	36	-43	-46	-46	-47	-42
127	44	56	-43	-46	-46	-46	-41
128	45	16	-44	-45	-46	-46	-41
129	45	36	-43	-45	-45	-47	-41
130	45	56	-43	-46	-46	-47	-40
131	46	16	-43	-46	-46	-46	-40
132	46	36	-43	-46	-46	-46	-40
133	46	56	-43	-46	-46	-46	-40
134	47	16	-42	-46	-45	-46	-40
135	47	36	-42	-45	-46	-45	-39
136	47	56	-42	-46	-46	-46	-39
137	48	16	-42	-46	-46	-46	-39
138	48	36	-42	-45	-45	-46	-40
139	48	56	-42	-45	-45	-46	-39
140	49	16	-42	-44	-46	-45	-39
141	49	36	-42	-46	-45	-46	-40
142	49	56	-42	-46	-45	-45	-39
143	50	16	-42	-45	-45	-45	-39
144	50	36	-41	-44	-44	-46	-39
145	50	56	-42	-46	-45	-45	-37
146	51	16	-42	-44	-43	-44	-21

3-06 ATER ENUM MBER TEMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
-48	-.	-48	-48	-49	-49	-50	-48	-50
-48	-49	-48	-48	-48	-49	-49	-47	-50
-48	-48	-48	-48	-48	-49	-50	-47	-50
-48	-47	-47	-48	-49	-48	-49	-47	-50
-48	-47	-47	-47	-48	-48	-50	-47	-49
-48	-46	-47	-48	-48	-48	-49	-48	-49
-48	-47	-48	-48	-48	-49	-49	-48	-49
-48	-48	-47	-47	-48	-49	-49	-46	-49
-48	-47	-48	-47	-48	-49	-50	-47	-49
-47	-47	-48	-46	-47	-49	-49	-46	-49
-48	-47	-48	-46	-47	-49	-49	-47	-49
-48	-47	-47	-46	-48	-49	-49	-45	-49
-47	-48	-48	-46	-46	-49	-49	-46	-49
-47	-47	-47	-46	-48	-49	-49	-46	-50
-47	-47	-47	-46	-47	-49	-49	-47	-49
-47	-47	-47	-46	-46	-49	-48	-44	-49
-48	-47	-47	-44	-47	-48	-48	-44	-49
-47	-47	-47	-42	-46	-48	-48	-45	-49
-47	-47	-47	-42	-45	-48	-48	-45	-49
-47	-46	-47	-41	-45	-48	-48	-45	-49
-46	-47	-47	-41	-45	-48	-48	-44	-49
-47	-47	-46	-41	-45	-48	-48	-44	-49
-47	-47	-47	-40	-45	-46	-48	-42	-48
-47	-46	-46	-41	-45	-48	-48	-43	-49
-47	-46	-47	-41	-45	-48	-48	-44	-49
-46	-46	-47	-41	-44	-48	-48	-44	-49
-45	-46	-46	-42	-44	-48	-48	-44	-49
-46	-46	-46	-41	-45	-48	-48	-44	-49
-46	-46	-46	-42	-45	-48	-48	-44	-49
-46	-46	-47	-42	-44	-48	-48	-42	-49
-46	-46	-46	-41	-44	-48	-48	-44	-49
-45	-46	-46	-41	-44	-48	-48	-43	-49
-45	-45	-47	-41	-44	-48	-48	-42	-49
-46	-46	-47	-40	-43	-48	-48	-41	-49
-46	-46	-46	-40	-43	-48	-48	-41	-49
-46	-46	-46	-40	-44	-48	-47	-40	-48
-46	-46	-46	-40	-43	-48	-48	-40	-48
-46	-45	-46	-40	-43	-48	-48	-40	-48
-45	-46	-45	-39	-42	-48	-48	-38	-49
-46	-46	-46	-39	-43	-48	-48	-37	-48
-46	-46	-46	-39	-43	-48	-47	-37	-48
-45	-45	-46	-40	-42	-48	-48	-37	-48
-45	-45	-46	-39	-42	-48	-47	-37	-48
-44	-46	-45	-39	-42	-48	-47	-38	-48
-45	-45	-46	-48	-42	-48	-47	-36	-48
-46	-45	-45	-39	-42	-47	-48	-38	-48
-45	-45	-45	-39	-42	-47	-47	-37	-48
-44	-44	-46	-39	-42	-48	-47	-35	-48
-46	-45	-45	-37	-41	-48	-47	-36	-48
-44	-43	-44	-21	-34	-43	-48	-32	-48

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3- DIS DU OUTL (CKP R.S DEG
147	51	35	-41	-42	-42	-43	-7	-2
148	51	55	-42	-41	-41	-41	-6	-2
149	52	15	-41	-42	-38	-40	-2	-2
150	52	35	-41	-38	-37	-39	1	-1
151	52	55	-41	-37	-34	-37	3	-1
152	53	15	-41	-35	-32	-36	3	-1
153	53	35	-40	-34	-32	-34	2	-1
154	53	55	-41	-32	-29	-33	10	-1
155	54	15	-40	-32	-28	-32	12	-1
156	54	35	-40	-32	-26	-30	12	-
157	54	55	-40	-30	-25	-29	9	-
158	55	15	-40	-30	-24	-27	16	-
159	55	35	-39	-28	-22	-26	18	-
160	55	55	-39	-27	-20	-24	18	-
161	56	15	-39	-25	-19	-23	18	
162	56	35	-38	-25	-19	-23	8	-
163	56	55	-39	-24	-19	-22	1	-
164	57	15	-38	-23	-19	-22	1	-
165	57	35	-38	-24	-18	-20	3	
166	57	55	-38	-23	-18	-18	5	1
167	58	15	-38	-22	-18	-18	7	1
168	58	35	-37	-23	-16	-16	8	1
169	58	55	-37	-20	-16	-15	11	1
170	59	15	-36	-21	-16	-14	11	1
171	59	35	-36	-20	-15	-12	11	1
172	59	55	-36	-21	-14	-11	12	2
173	60	15	-36	-19	-14	-10	13	2
174	60	35	-36	-17	-13	-9	13	2
175	60	55	-35	-17	-12	-8	14	2
176	61	14	-35	-18	-11	-8	14	2
177	61	34	-35	-16	-11	-8	13	2
178	61	54	-34	-15	-10	-8	13	2
179	62	14	-34	-15	-10	-8	12	2
180	62	34	-34	-14	-9	-8	12	2
181	62	54	-34	-15	-8	-7	14	2
182	63	14	-34	-14	-8	-7	14	2
183	63	34	-34	-13	-7	-7	15	2
184	63	54	-33	-14	-6	-7	15	2
185	64	14	-33	-12	-6	-6	16	2
186	64	34	-33	-12	-6	-6	17	2
187	64	54	-27	-14	0	0	16	2
188	65	14	-30	-14	-8	0	23	2
189	65	34	-33	-10	-3	-4	17	2
190	65	54	-32	-10	-3	-4	18	2
191	66	14	-32	-10	-3	-4	18	2
192	66	34	-32	-8	-3	-4	19	2
193	66	54	-31	-8	-2	-4	19	2
194	67	14	-31	-8	-2	-4	20	2
195	67	34	-31	-8	-2	-4	19	2
196	67	54	-30	-8	-2	-3	19	2

06 ER UH ER MP UT .C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
2	-42	-43	-7	-26	-37	-34	-26	-30
1	-41	-41	-6	-24	-32	-30	-23	-26
2	-38	-40	-2	-24	-29	-28	-24	-25
8	-37	-39	1	-19	-26	-26	-21	-23
7	-34	-37	3	-16	-25	-25	-19	-18
5	-32	-36	3	-14	-23	-24	-16	-15
4	-32	-34	2	-16	-23	-25	-18	-16
2	-29	-33	10	-10	-23	-24	-13	-15
2	-28	-32	12	-10	-22	-23	-11	-16
2	-26	-30	12	-8	-21	-23	-12	-17
0	-25	-29	9	-6	-22	-22	-10	-17
0	-24	-27	16	-4	-22	-22	-8	-16
8	-22	-26	18	-2	-20	-20	-7	-15
7	-20	-24	18	-0	-16	-19	-6	-14
5	-19	-23	18	1	-15	-17	-2	-13
5	-19	-23	8	-2	-18	-20	-5	-17
4	-19	-22	1	-5	-21	-21	-8	-21
3	-19	-22	1	-1	-22	-22	-6	-18
4	-18	-20	3	6	-21	-20	0	-9
3	-18	-18	5	11	-19	-19	4	-1
2	-18	-18	7	13	-18	-18	9	2
3	-16	-16	8	13	-16	-16	11	2
0	-16	-15	11	16	-16	-16	13	3
1	-16	-14	11	16	-15	-15	13	4
0	-15	-12	11	19	-14	-14	17	6
1	-14	-11	12	20	-14	-14	19	12
9	-14	-10	13	22	-13	-13	19	16
7	-13	-9	13	24	-13	-13	19	17
7	-12	-8	14	26	-13	-12	22	19
8	-11	-6	14	23	-13	-12	24	20
6	-11	-6	13	22	-13	-12	24	19
5	-10	-8	13	22	-14	-12	23	21
5	-10	-8	12	22	-13	-13	23	22
4	-9	-8	13	22	-12	-12	22	22
5	-8	-7	14	22	-11	-11	25	24
4	-8	-7	14	21	-11	-10	23	24
3	-7	-7	15	22	-10	-10	25	25
4	-6	-7	15	22	-10	-10	26	27
2	-6	-6	15	22	-10	-8	25	30
2	-5	-6	17	22	-9	-8	27	30
4	0	0	16	20	-10	-8	30	31
4	-8	0	23	24	-9	-10	23	36
0	-3	-4	17	23	-9	-10	24	30
0	-3	-4	18	22	-8	-8	26	26
0	-3	-4	18	24	-8	-8	25	26
-8	-3	-6	19	25	-8	-8	26	27
-8	-2	-8	19	25	-7	-8	25	27
-8	-2	-4	20	25	-7	-8	28	29
-8	-2	-4	19	27	-6	-8	27	34
-8	-2	-3	19	29	-5	-6	27	33

2

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
197	68	14	-29	-7	-0	-3	19
198	68	34	-29	-5	0	-3	19
199	68	54	-29	-5	0	-2	19
200	69	13	-29	-6	0	-2	19
201	69	33	-29	-4	0	-2	21
202	69	53	-29	-3	0	-1	21
203	70	13	-29	-4	1	-1	22
204	70	33	-28	-4	1	-0	22
205	70	53	-28	-2	2	0	22
206	71	13	-28	-3	1	-0	22
207	71	33	-28	-2	1	-0	16
208	71	53	-28	-2	1	-0	11
209	72	13	-28	-2	1	-2	7
210	72	33	-28	-4	0	-2	5
211	72	53	-28	-3	0	-3	2
212	73	13	-28	-3	-1	-4	0
213	73	33	-28	-4	-2	-3	0
214	73	53	-41	-13	-12	-13	-11
215	74	13	-48	15	15	11	8
216	74	33	-48	25	25	19	8
217	74	53	-47	29	27	21	12
218	75	13	-46	54	52	44	29
219	75	33	-46	60	58	51	29
220	75	53	-48	69	66	58	31
221	76	13	-46	73	72	63	36
222	76	33	-48	79	76	67	38
223	76	52	-47	85	81	73	42
224	77	12	-44	89	85	77	45
225	77	32	-45	92	87	79	47
226	77	52	-44	93	92	83	50
227	78	12	-46	96	95	85	51
228	78	32	-44	99	96	87	54
229	78	52	-46	102	99	89	56
230	79	12	-47	103	99	91	57
231	79	32	-44	105	102	93	60
232	79	52	-44	107	103	95	61
233	80	12	-43	108	105	96	62
234	80	32	-41	110	106	99	64
235	80	52	-38	110	108	99	64
236	81	12	-39	112	109	100	66
237	81	32	-42	113	111	102	67
238	81	52	-38	113	109	101	68
239	82	12	-36	111	109	101	68
240	82	32	-41	113	109	101	68
241	82	52	-43	113	111	101	68
242	83	12	-39	107	107	98	66
243	83	32	-40	107	106	97	68
244	83	52	-42	110	108	99	68
245	84	12	-44	112	110	101	70
246	84	32	-42	114	110	101	69

3-06 HEATER PLENUM CHAMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
-7	-0	-3	19	28	-5	-6	27	29
-5	0	-3	19	28	-6	-5	27	28
-5	0	-2	19	28	-6	-5	29	28
-6	0	-2	19	29	-4	-5	27	28
-4	0	-2	21	29	-4	-6	29	29
-3	0	-1	21	30	-3	-5	28	29
-4	1	-1	22	29	-3	-4	31	30
-4	1	-0	22	30	-3	-4	31	30
-2	2	0	22	30	-2	-4	29	30
-3	1	-0	22	28	-4	-5	28	24
-2	1	-0	16	22	-7	-7	24	11
-2	1	-0	11	19	-10	-9	19	2
-2	1	-2	7	17	-12	-12	19	-2
-4	0	-2	5	15	-14	-14	18	-7
-3	0	-3	2	13	-16	-15	12	-10
-3	-1	-4	0	11	-16	-16	12	-12
-4	-2	-3	0	10	-17	-16	13	-14
-13	-12	-13	-11	2	-20	-22	9	-14
15	15	11	8	3	-23	-26	9	-11
25	25	19	8	3	-24	-26	7	-6
29	27	21	12	3	-22	-22	7	-4
54	52	44	29	7	-20	-19	5	-3
60	58	51	29	8	-20	-14	6	0
69	66	58	31	9	-17	-9	7	1
73	72	63	36	12	-17	-5	9	4
79	76	67	38	14	-14	-2	8	5
85	81	73	42	15	-12	1	7	7
89	85	77	45	16	-14	5	11	8
92	87	79	47	18	-9	7	9	11
93	92	83	50	19	-8	9	11	12
96	95	85	51	20	-9	11	13	13
99	95	87	54	22	-8	14	13	14
102	99	89	56	24	-8	15	14	15
103	99	91	57	25	-7	16	15	15
105	102	93	60	27	-5	17	16	17
107	103	95	61	29	-4	19	16	17
108	105	96	62	30	-2	19	17	17
110	106	99	64	32	-2	21	16	18
110	108	99	64	34	-0	22	18	19
112	109	100	66	34	-1	23	20	21
113	111	102	67	35	-2	24	21	22
113	109	101	68	38	-1	24	19	23
111	109	101	68	39	-1	25	21	23
113	109	101	68	39	1	25	22	25
113	111	101	68	39	0	26	22	24
107	107	98	66	40	2	25	24	25
107	106	97	68	41	2	27	23	25
110	108	99	68	41	1	28	28	29
112	110	101	70	41	4	28	23	27
114	110	101	69	44	5	28	25	26

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
247	84	52	-43	114	110	102	70
248	85	12	-41	114	110	101	70
249	85	32	-42	113	110	101	71
250	85	52	-42	113	110	102	71
251	86	12	-42	113	110	102	71
252	86	32	-42	115	110	102	72
253	86	52	-41	114	113	104	73
254	87	12	-40	115	114	104	74
255	87	32	-41	117	113	105	72
256	87	52	-40	117	112	104	73
257	88	12	-39	118	112	105	73
258	88	32	-40	117	113	105	73
259	88	52	-39	118	113	105	76
260	89	12	-36	119	112	105	69
261	89	32	-39	109	107	98	67
262	89	52	-40	108	106	97	69
263	90	12	-41	109	107	99	71
264	90	32	-41	113	109	101	71
265	90	52	-41	113	112	102	73
266	91	12	-39	117	113	103	65
267	91	33	-38	116	115	104	55
268	91	53	-39	116	110	102	48
269	92	13	-39	114	112	103	48
270	92	33	-38	116	115	105	48
271	92	53	-38	118	115	106	48
272	93	14	-40	107	104	93	49
273	93	34	-38	70	71	65	46
274	93	54	-40	73	76	70	44
275	94	14	-41	86	89	81	42
276	94	35	-39	92	97	89	43
277	94	55	-39	103	103	95	44
278	95	15	-38	103	108	98	45
279	95	36	-38	73	76	67	44
280	95	56	-40	66	70	63	41
281	96	17	-38	82	83	75	40
282	96	37	-37	94	95	87	41
283	96	57	-36	132	102	93	42
284	97	18	-38	71	70	62	42
285	97	38	-38	72	71	64	40
286	97	59	-36	85	85	78	38
287	98	19	-37	99	96	89	40
288	98	40	-37	86	84	75	41
289	99	0	-36	56	58	51	40
290	99	21	-38	73	71	65	38
291	99	42	-36	88	89	81	39
292	100	2	-36	98	98	90	38
293	100	23	-37	62	66	56	40
294	100	44	-38	61	63	56	39
295	101	5	-38	76	79	72	37
296	101	25	-36	88	92	84	38

3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS NAIST LEVEL AIR TEMP DEG.C
114	110	102	70	44	7	29	27	27
114	110	101	70	44	6	29	26	27
113	110	101	71	45	8	30	28	29
113	110	102	71	45	8	29	27	28
113	110	102	71	45	5	31	31	29
115	110	102	72	46	7	31	31	29
114	113	104	73	48	8	32	31	30
115	114	104	74	48	9	32	32	31
117	113	105	72	48	9	32	32	30
117	112	104	73	49	8	33	30	32
118	112	105	73	49	9	32	33	31
117	113	105	73	49	12	33	34	32
118	113	105	76	52	12	33	34	33
119	112	106	69	52	21	35	34	31
109	107	98	67	50	17	30	30	29
108	106	97	69	51	11	30	33	31
109	107	99	71	52	12	29	33	32
113	109	101	71	52	12	29	33	32
113	112	102	73	52	11	31	32	33
117	113	103	65	55	12	33	34	33
116	115	104	53	52	11	33	33	34
116	110	102	48	52	11	33	31	31
114	112	103	42	52	13	33	30	30
116	115	105	45	52	13	34	33	31
118	115	106	48	51	14	34	31	29
107	104	93	49	51	17	34	33	30
70	71	65	46	50	14	31	33	29
73	76	70	44	49	13	28	31	29
86	89	81	42	49	13	28	31	27
92	97	89	43	48	14	28	30	27
103	103	95	44	48	14	29	32	26
103	108	98	45	48	16	31	31	26
73	76	67	44	47	15	31	30	26
66	70	63	41	46	15	28	29	25
82	83	75	40	45	12	27	29	26
94	95	87	41	44	14	27	28	25
102	102	93	42	44	15	29	29	25
71	70	62	42	43	17	29	29	26
72	71	64	40	43	15	25	30	25
85	85	78	38	42	17	25	29	25
99	96	89	40	43	19	27	30	25
86	84	75	41	42	16	29	31	25
56	58	51	40	41	14	26	31	25
73	71	65	38	41	13	25	28	25
88	89	81	39	40	11	25	29	25
98	98	90	38	42	14	27	30	25
62	66	56	40	40	19	28	29	25
61	63	56	39	40	18	24	29	24
76	79	72	37	39	17	24	27	24
88	92	84	38	39	17	25	27	24

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
297	101	46	-38	57	67	60	38
298	102	7	-36	64	73	66	38
299	102	28	-36	74	80	75	36
300	102	48	-35	79	32	78	36
301	103	9	-36	74	78	74	33
302	103	30	-36	68	72	68	32
303	103	51	-36	63	64	61	31
304	104	12	-36	55	56	52	28
305	104	33	-36	47	48	45	27
306	104	54	-36	38	39	36	25
307	105	15	-35	32	34	31	25
308	105	36	-36	27	29	26	25
309	105	56	-36	23	25	20	23
310	106	17	-36	18	19	17	23
311	106	38	-36	14	15	14	22
312	106	59	-36	13	12	9	21
313	107	20	-36	7	9	6	19
314	107	41	-35	5	6	3	18
315	108	2	-35	0	3	1	17
316	108	23	-36	0	0	-1	18
317	108	44	-35	-4	-1	-4	15
318	109	5	-35	-5	-3	-4	15
319	109	26	-35	-8	-6	-8	14
320	109	47	*	-6	*	*	*
321	110	8	-34	-7	-7	-8	14
322	110	29	-35	-10	-8	-8	13
323	110	50	-34	-11	-8	-10	14
324	111	11	-34	-12	-10	-12	12
325	111	32	-34	-11	-9	-12	13
326	111	52	-34	-14	-10	-12	12
327	112	13	-35	-16	-11	-14	9
328	112	34	-34	-14	-10	-13	10
329	112	55	-34	-18	-13	-15	9
330	113	16	-34	-19	-15	-16	9
331	113	37	-34	-18	-15	-17	9
332	113	58	-34	-17	-16	-18	7
333	114	18	-34	-18	-14	-16	8
334	114	39	-34	-19	-15	-16	8
335	115	0	-34	-16	-14	-16	8
336	115	21	-34	-17	-14	-18	7
337	115	42	-33	-17	-14	-16	8
338	116	2	-34	-14	-14	-16	8
339	116	23	-32	-14	-11	-13	8
340	116	44	-32	-12	-10	-12	8
341	117	5	-32	-10	-8	-12	7
342	117	25	-31	-13	-8	-10	7
343	117	46	-32	-11	-8	-11	6
344	118	7	-32	-12	-9	-12	7
345	118	28	-32	-11	-7	-11	6
346	118	48	-30	-11	-5	-9	7

3-06 TER NUM BER TEMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
57	67	60	38	40	22	27	30	24
64	73	66	38	40	18	24	27	24
74	80	75	36	39	23	27	28	22
79	82	78	36	38	27	29	28	19
74	78	74	33	38	27	26	25	17
68	72	68	32	36	25	25	25	15
63	64	61	31	35	24	23	23	14
55	56	52	28	34	22	21	25	13
47	48	45	27	34	20	20	25	12
38	39	36	25	32	18	18	24	11
32	34	31	25	30	18	18	23	10
27	29	26	25	31	16	16	21	9
23	25	20	23	29	14	15	20	9
18	19	17	23	28	13	14	21	8
14	15	14	22	28	12	12	19	8
13	12	9	21	27	12	12	20	7
7	9	6	19	25	11	11	17	6
5	6	3	18	24	10	9	18	5
0	3	1	17	24	8	9	17	6
0	0	-1	18	22	8	7	17	4
-4	-1	-4	15	21	7	6	15	4
-5	-3	-4	15	21	6	7	15	4
-8	-6	-8	14	20	5	5	16	2
-6	*	*	*	29	4	4	17	*
-7	-7	-8	14	19	3	3	15	1
-10	-8	-8	13	19	3	3	15	1
-11	-8	-10	14	17	3	3	13	1
-12	-10	-12	12	17	1	1	13	1
-11	-9	-12	13	16	1	2	12	0
-14	-10	-12	12	17	0	1	14	0
-16	-11	-14	9	14	0	0	12	-0
-14	-10	-13	10	14	-0	0	11	-0
-18	-13	-15	9	13	-0	0	11	-0
-19	-15	-16	9	13	-1	-0	9	-1
-18	-16	-17	9	12	-2	-2	10	-1
-17	-16	-18	7	12	-2	-1	8	-1
-18	-14	-16	8	12	-3	-3	9	-1
-19	-15	-16	8	11	-3	-2	9	-1
-16	-14	-16	8	10	-4	-2	11	-2
-17	-14	-18	7	11	-4	-3	10	-1
-17	-14	-16	8	10	-4	-3	7	-2
-14	-14	-16	8	9	-5	-2	9	-2
-14	-11	-13	8	9	-5	-4	10	-2
-12	-10	-12	8	8	-5	-4	7	-2
-10	-8	-12	7	8	-6	-4	7	-3
-13	-8	-10	7	9	-5	-4	6	-3
-11	-8	-11	6	8	-6	-3	9	-3
-12	-9	-12	7	8	-6	-4	7	-4
-11	-7	-11	6	8	-6	-5	8	-3
-11	-5	-9	7	7	-6	-5	7	-4

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
347	119	9	-30	-8	-5	-8	5
348	119	30	-29	-8	-5	-6	5
349	119	50	-28	-6	-3	-6	5
350	120	11	-27	-5	-3	-5	5
351	120	32	-27	-2	-2	-5	4
352	120	52	-26	-1	-2	-4	4
353	121	13	-25	-1	-2	-4	4
354	121	33	-25	-3	-2	-4	4
355	121	54	-25	0	-2	-4	4
356	122	15	-24	-0	-2	-3	4
357	122	35	-24	0	-2	-3	4
358	122	56	-24	-2	-1	-3	3
359	123	16	-23	-1	-2	-3	4
360	123	37	-22	0	-2	-2	3
361	123	57	-22	-1	-2	-3	3
362	124	18	-22	0	-2	-3	3
363	124	38	-22	-1	-2	-3	2
364	124	59	-22	-0	-2	-4	2
365	125	19	-22	0	-2	-4	2
366	125	40	-21	0	-2	-3	2
367	126	0	-21	0	-2	-4	2
368	126	21	-20	-0	-3	-4	1
369	126	41	-20	0	-2	-4	1
370	127	2	-20	0	-2	-4	1
371	127	22	-20	0	-3	-4	1
372	127	43	-20	-0	-3	-4	1
373	128	3	-20	0	-3	-4	0
374	128	23	-20	0	-2	-4	1
375	128	44	-20	-1	-3	-4	0
376	129	4	-20	0	-4	-4	0
377	129	25	-20	-0	-4	-5	0
378	129	45	-20	-1	-4	-5	-1
379	130	5	-20	-0	-4	-5	-0
380	130	26	-20	-1	-4	-5	-0
381	130	46	-20	-1	-4	-5	-1
382	131	6	-20	-1	-4	-5	-1
383	131	27	-20	-1	-4	-6	-1
384	131	47	-20	-0	-5	-6	-1
385	132	7	-20	-2	-5	-5	-2
386	132	28	-19	-1	-5	-6	-2
387	132	48	-19	-2	-5	-6	-2
388	133	8	-19	-2	-5	-6	-2
389	133	29	-19	-1	-5	-6	-3
390	133	49	-19	-2	-6	-6	-3
391	134	9	-20	-2	-6	-7	-3
392	134	29	-20	-3	-6	-7	-4
393	134	50	-20	-2	-7	-7	-3
394	135	10	-20	-3	-6	-7	-4
395	135	30	-20	-2	-7	-7	-3
396	135	51	-20	-2	-8	-8	-4

3-06 ATER ENUM BER TEMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
-8	-5	-8	5	7	-7	-6	6	-4
-8	-5	-6	5	7	-6	-6	8	-4
-6	-3	-6	5	7	-8	-6	8	-4
-6	-3	-5	5	7	-8	-7	5	-3
-2	-2	-5	4	6	-8	-7	7	-4
-1	-2	-4	4	5	-8	-7	6	-4
-1	-2	-4	4	5	-9	-8	8	-4
-3	-2	-4	4	5	-9	-8	7	-4
0	-2	-4	4	4	-8	-8	5	-4
-0	-2	-3	4	4	-9	-8	7	-5
0	-2	-3	4	4	-8	-8	4	-4
-2	-1	-3	3	5	-9	-8	6	-5
-1	-2	-3	4	4	-8	-8	7	-5
0	-2	-2	3	4	-10	-8	4	-6
-1	-2	-3	3	3	-10	-9	4	-6
0	-2	-3	3	4	-10	-9	5	-6
-1	-2	-3	2	2	-10	-9	3	-6
-0	-2	-4	2	3	-10	-10	5	-6
0	-2	-4	2	2	-10	-10	3	-6
0	-2	-3	2	2	-10	-9	2	-7
0	-2	-4	2	2	-10	-9	5	-6
-0	-3	-4	1	2	-10	-9	4	-7
0	-2	-4	1	2	-10	-8	4	-7
0	-2	-4	1	1	-10	-9	2	-7
0	-3	-4	1	1	-10	-10	1	-8
-0	-3	-4	1	2	-11	-10	4	-8
0	-3	-4	0	0	-11	-11	2	-8
0	-2	-4	1	1	-10	-10	3	-9
-1	-3	-4	0	1	-11	-10	2	-9
0	-4	-4	0	0	-12	-10	0	-10
-0	-4	-5	0	0	-12	-11	2	-11
-1	-4	-5	-1	-0	-12	-11	0	-11
-0	-4	-5	-0	0	-13	-11	2	-11
-1	-4	-5	-0	-1	-13	-11	0	-11
-1	-4	-5	-1	-0	-13	-11	1	-12
-1	-4	-5	-1	-0	-13	-12	1	-12
-1	-4	-6	-1	-1	-13	-12	1	-12
-0	-5	-6	-1	-2	-13	-12	0	-12
-2	-5	-5	-2	-2	-12	-12	0	-13
-1	-5	-6	-2	-2	-13	-12	0	-13
-2	-5	-6	-2	-2	-12	-12	-1	-12
-2	-5	-6	-2	-2	-13	-12	0	-13
-1	-5	-6	-3	-3	-13	-12	0	-14
-2	-6	-6	-3	-3	-14	-13	0	-14
-2	-6	-7	-3	-4	-14	-12	0	-13
-3	-8	-7	-4	-4	-14	-12	-2	-13
-2	-7	-7	-3	-3	-14	-13	-0	-14
-3	-6	-7	-4	-4	-14	-13	-2	-14
-2	-7	-7	-3	-4	-14	-14	-0	-15
-2	-8	-8	-4	-4	-16	-14	-1	-15

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
397	136	11	-20	-4	-7	-8	-4
398	136	31	-20	-3	-8	-8	-4
399	136	51	-20	-2	-8	-8	-4
400	137	12	-20	-3	-8	-8	-4
401	137	32	-20	-4	-8	-8	-4
402	137	52	-20	-4	-8	-8	-4
403	138	12	-21	-4	-8	-8	-6
404	138	33	-20	-4	-8	-9	-5
405	138	53	-20	-4	-8	-8	-6
406	139	13	-20	-5	-8	-8	-6
407	139	33	-21	-4	-9	-9	-7
408	139	53	-20	-4	-9	-8	-6
409	140	14	-21	-5	-9	-9	-7
410	140	34	-20	-4	-10	-9	-7
411	140	54	-21	-6	-9	-9	-7
412	141	14	-20	-5	-9	-10	-7
413	141	34	-21	-5	-8	-9	-7
414	141	55	-21	-5	-10	-9	-6
415	142	15	-21	-5	-10	-10	-7
416	142	35	-21	-6	-9	-9	-9
417	142	55	-22	-5	-10	-10	-8
418	143	15	-22	-5	-10	-10	-8
419	143	35	-22	-5	-11	-10	-8
420	143	56	-22	-7	-10	-10	-9
421	144	16	-22	-7	-11	-10	-9
422	144	36	-22	-7	-10	-10	-9
423	144	56	-22	-6	-11	-11	-9
424	145	16	-22	-6	-11	-11	-8
425	145	36	-22	-6	-12	-11	-8
426	145	56	-23	-6	-11	-11	-9
427	146	16	-22	-7	-11	-11	-9
428	146	36	-22	-8	-11	-11	-10
429	146	57	-23	-8	-11	-11	-9
430	147	17	-23	-7	-12	-12	-8
431	147	37	-23	-8	-12	-11	-9
432	147	57	-23	-8	-12	-12	-9
433	148	17	-23	-8	-12	-12	-10
434	148	37	-23	-8	-12	-12	-10
435	148	57	-23	-8	-12	-12	-10
436	149	17	-23	-8	-13	-12	-10
437	149	37	-23	-8	-12	-12	-10
438	149	58	-24	-8	-13	-12	-10
439	150	18	-23	-8	-13	-13	-11
440	150	38	-24	-8	-13	-13	-10
441	150	58	-24	-8	-13	-12	-10
442	151	18	-23	-8	-13	-12	-11
443	151	38	-23	-8	-13	-13	-11
444	151	58	-24	-8	-13	-12	-11
445	*	*	*	*	*	*	*

-06 TER NUM BER EMP OUT G.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
-4	-7	-8	-4	-4	-15	-14	-4	-15
-3	-8	-8	-4	-4	-15	-14	-0	-15
-2	-8	-8	-4	-5	-15	-14	-3	-16
-3	-8	-8	-4	-4	-15	-14	-2	-16
-4	-8	-8	-4	-5	-15	-14	-3	-16
-4	-8	-8	-4	-5	-15	-14	-2	-16
-4	-8	-8	-6	-6	-16	-14	-5	-17
-4	-8	-9	-5	-6	-16	-14	-4	-17
-4	-8	-8	-6	-6	-16	-14	-2	-17
-5	-8	-8	-6	-6	-16	-15	-3	-18
-4	-9	-9	-7	-7	-16	-15	-5	-18
-4	-9	-8	-6	-6	-16	-15	-3	-17
-5	-9	-9	-7	-6	-16	-15	-4	-17
-4	-10	-9	-7	-7	-16	-15	-4	-18
-6	-9	-9	-7	-8	-16	-16	-6	-18
-5	-9	-10	-7	-7	-16	-16	-5	-18
-5	-8	-9	-7	-6	-16	-16	-5	-18
-5	-10	-9	-8	-6	-17	-16	-3	-18
-5	-10	-10	-7	-6	-17	-16	-3	-18
-6	-9	-9	-9	-8	-17	-16	-6	-18
-5	-10	-10	-8	-7	-17	-16	-4	-19
-5	-10	-10	-8	-7	-18	-16	-5	-19
-5	-11	-10	-8	-8	-17	-16	-4	-19
-7	-10	-10	-9	-8	-17	-16	-6	-19
-7	-11	-10	-9	-8	-18	-17	-7	-20
-7	-10	-10	-9	-8	-18	-17	-8	-19
-6	-11	-11	-9	-8	-18	-17	-6	-19
-6	-11	-11	-8	-8	-18	-17	-7	-20
-6	-12	-11	-8	-8	-18	-17	-5	-20
-6	-11	-11	-9	-8	-18	-16	-7	-20
-7	-11	-11	-9	-9	-18	-18	-6	-19
-8	-11	-11	-10	-9	-19	-18	-7	-20
-8	-11	-11	-9	-9	-19	-18	-7	-19
-7	-12	-12	-8	-8	-19	-19	-6	-20
-8	-12	-11	-9	-10	-20	-18	-7	-20
-8	-12	-12	-9	-9	-19	-18	-5	-20
-8	-12	-12	-10	-9	-20	-18	-6	-20
-8	-12	-12	-10	-9	-20	-19	-6	-20
-8	-12	-12	-10	-9	-20	-19	-7	-20
-8	-13	-12	-10	-10	-20	-19	-8	-20
-8	-12	-12	-10	-10	-20	-18	-7	-20
-8	-13	-12	-10	-10	-19	-18	-7	-20
-8	-13	-13	-11	-9	-20	-18	-6	-20
-8	-13	-13	-10	-10	-19	-19	-7	-20
-8	-13	-12	-10	-10	-20	-18	-8	-20
-8	-13	-12	-11	-11	-20	-18	-8	-21
-8	-13	-13	-11	-11	-20	-19	-8	-21
-8	-13	-12	-11	-12	-20	-19	-8	-21
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
1	0	7	-52	-53	-52	-52	-52
2	0	27	-52	-53	-51	-53	-52
3	0	47	-53	-52	-51	-52	-53
4	1	7	-53	-52	-51	-52	-53
5	1	27	-53	-53	-51	-52	-53
6	1	47	-52	-53	-51	-52	-53
7	2	7	-53	-52	-51	-53	-53
8	2	27	-52	-52	-51	-52	-53
9	2	47	-52	-52	-52	-53	-53
10	3	7	-52	-52	-51	-52	-52
11	3	27	-52	-52	-52	-52	-53
12	3	47	-53	-54	-51	-52	-53
13	4	7	-53	-53	-52	-52	-53
14	4	27	-53	-52	-52	-52	-52
15	4	47	-53	-53	-51	-52	-52
16	5	7	-53	-52	-52	-52	-53
17	5	27	-53	-53	-52	-52	-52
18	5	47	-52	-52	-51	-52	-53
19	6	7	-53	-52	-50	-52	-52
20	6	27	-53	-53	-48	-52	-53
21	6	47	-53	-53	-48	-52	-52
22	7	7	-52	-52	-47	-52	-52
23	7	27	-53	-53	-46	-52	-53
24	7	47	-52	-52	-46	-52	-53
25	8	6	-52	-52	-46	-52	-52
26	8	26	-52	-52	-47	-52	-52
27	8	46	-53	-53	-47	-52	-53
28	9	9	-52	-52	-49	-51	-52
29	9	29	-52	-53	-47	-51	-52
30	9	49	-52	-52	-46	-51	-52
31	10	9	-52	-52	-46	-51	-52
32	10	29	-52	-52	-46	-50	-52
33	10	49	-52	-53	-44	-51	-51
34	11	9	-52	-52	-44	-51	-52
35	11	29	-52	-52	-44	-51	-52
36	11	49	-53	-53	-44	-51	-51
37	15	26	-51	-52	-48	-50	-51
38	15	46	-52	-52	-48	-50	-52
39	16	6	-52	-52	-48	-51	-51
40	16	26	-52	-52	-48	-51	-51
41	16	46	-52	-52	-48	-50	-51
42	17	6	-52	-52	-48	-50	-51
43	17	26	-52	-52	-48	-50	-52
44	17	46	-52	-52	-48	-50	-51
45	18	6	-52	-52	-47	-49	-51

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
-53	-52	-52	-52	-52	-52	-53	-53	-53
-53	-51	-53	-52	-52	-52	-52	-54	-52
-52	-51	-52	-53	-52	-52	-53	-53	-53
-52	-51	-52	-53	-52	-52	-53	-53	-53
-53	-51	-52	-53	-52	-52	-53	-53	-53
-53	-51	-52	-53	-52	-52	-52	-53	-54
-52	-51	-53	-53	-52	-52	-53	-54	-54
-52	-51	-52	-53	-52	-52	-53	-53	-53
-52	-52	-53	-53	-52	-52	-53	-54	-53
-52	-51	-52	-52	-52	-52	-53	-54	-53
-52	-52	-52	-53	-52	-52	-52	-53	-53
-54	-51	-52	-53	-53	-52	-53	-53	-53
-53	-52	-52	-53	-52	-52	-53	-54	-53
-52	-52	-52	-52	-52	-52	-53	-54	-54
-53	-51	-52	-52	-52	-52	-53	-54	-53
-52	-52	-52	-53	-53	-52	-54	-53	-54
-53	-52	-52	-52	-52	-52	-53	-54	-54
-52	-51	-52	-53	-53	-52	-53	-54	-53
-52	-50	-52	-52	-52	-51	-53	-53	-53
-53	-48	-52	-53	-53	-50	-53	-54	-53
-53	-48	-52	-52	-52	-49	-53	-54	-53
-52	-47	-52	-52	-52	-49	-53	-54	-53
-53	-46	-52	-53	-53	-49	-53	-53	-54
-52	-46	-52	-53	-52	-48	-53	-54	-53
-52	-46	-52	-52	-52	-48	-53	-52	-52
-52	-47	-52	-52	-52	-48	-53	-54	-53
-53	-47	-52	-53	-52	-49	-52	-53	-53
-52	-49	-51	-52	-52	-50	-52	-52	-52
-53	-47	-51	-52	-53	-49	-52	-52	-53
-52	-46	-51	-52	-52	-48	-51	-52	-53
-52	-46	-51	-52	-52	-48	-51	-52	-53
-52	-45	-50	-52	-52	-48	-52	-52	-53
-53	-44	-51	-51	-52	-46	-50	-52	-52
-52	-44	-51	-52	-52	-48	-51	-52	-53
-52	-44	-51	-52	-52	-48	-52	-52	-52
-53	-44	-51	-51	-53	-48	-52	-52	-53
-52	-48	-50	-51	-52	-48	-51	-52	-52
-52	-48	-50	-52	-52	-48	-52	-52	-52
-52	-48	-51	-51	-52	-48	-52	-52	-52
-52	-48	-51	-51	-52	-48	-51	-53	-53
-52	-48	-50	-51	-52	-48	-51	-52	-52
-52	-48	-50	-51	-52	-48	-51	-52	-52
-52	-48	-50	-52	-52	-48	-51	-52	-52
-52	-48	-50	-51	-52	-48	-51	-52	-52
-52	-47	-49	-!	-52	-47	-52	-52	-52

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
46	18	26	-51	-53	-46	-50	-51
47	18	46	-52	-52	-46	-50	-52
48	19	6	-52	-52	-46	-50	-52
50	19	29	-51	-51	-46	-50	-51
51	19	49	-51	-51	-46	-50	-50
52	20	9	-51	-52	-46	-50	-51
53	20	29	-51	-52	-46	-50	-51
54	20	50	-51	-51	-45	-50	-51
55	21	10	-51	-52	-45	-50	-50
56	21	30	-50	-52	-44	-50	-51
57	21	50	-50	-51	-44	-49	-50
58	22	10	-50	-51	-44	-50	-50
59	22	30	-50	-50	-44	-49	-49
60	22	50	-50	-51	-44	-49	-50
61	23	10	-51	-51	-44	-49	-50
62	23	30	-51	-51	-45	-50	-50
63	23	50	-51	-51	-44	-50	-51
64	24	10	-51	-51	-45	-50	-50
65	24	27	-50	-50	-46	-49	-50
66	24	35	-50	-52	-48	-51	-51
67	24	55	-51	-51	-48	-50	-52
68	25	16	-51	-52	-47	-51	-51
69	25	36	-51	-52	-46	-50	-51
70	25	56	-51	-51	-46	-50	-51
71	26	16	-51	-52	-45	-50	-51
72	26	36	-51	-51	-46	-51	-51
73	26	56	-51	-52	-46	-50	-51
74	27	16	-51	-51	-46	-50	-51
75	27	36	-51	-51	-46	-50	-50
76	27	56	-51	-51	-46	-50	-51
77	28	16	-50	-51	-46	-50	-51
78	28	36	-51	-51	-46	-50	-51
79	28	56	-50	-51	-46	-50	-50
80	29	16	-50	-52	-46	-50	-51
81	29	36	-51	-51	-46	-50	-52
82	29	56	-51	-52	-45	-50	-51
83	30	16	-52	-52	-45	-50	-50
84	30	36	-50	-49	-44	-50	-51
85	30	56	-51	-50	-45	-50	-50
86	31	16	-51	-50	-44	-50	-52
87	31	36	-52	-52	-45	-51	-52
88	31	56	-51	-50	-45	-50	-50
89	32	16	-51	-52	-45	-50	-50
90	32	36	-51	-50	-46	-50	-52
91	32	56	-51	-51	-46	-50	-51
92	33	16	-50	-49	-46	-50	-49
93	33	36	-49	-50	-47	-48	-48
94	33	56	-50	-50	-48	-49	-48
95	34	16	-50	-50	-47	-48	-48
96	34	36	-50	-51	-48	-48	-48

3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
-53	-46	-50	-51	-52	-48	-51	-52	-52
-52	-46	-50	-52	-52	-48	-51	-53	-52
-52	-46	-50	-52	-52	-48	-51	-52	-52
-51	-46	-50	-51	-51	-46	-51	-51	-52
-51	-46	-50	-50	-51	-46	-50	-52	-52
-52	-46	-50	-51	-51	-46	-51	-52	-52
-52	-46	-50	-51	-51	-46	-50	-52	-51
-51	-45	-50	-51	-51	-45	-51	-52	-52
-52	-45	-50	-50	-51	-46	-51	-52	-51
-52	-44	-50	-51	-52	-46	-51	-52	-51
-51	-44	-49	-50	-51	-46	-51	-52	-51
-51	-44	-50	-50	-52	-46	-50	-52	-51
-50	-44	-49	-49	-50	-45	-50	-52	-52
-51	-44	-49	-50	-51	-46	-50	-52	-52
-51	-44	-49	-50	-51	-46	-51	-52	-51
-51	-45	-50	-50	-51	-46	-51	-52	-51
-51	-44	-50	-51	-52	-46	-51	-52	-52
-51	-45	-50	-50	-52	-46	-50	-52	-52
-50	-46	-49	-50	-51	-46	-49	-51	-51
-52	-48	-51	-51	-52	-49	-52	-52	-52
-51	-48	-50	-52	-52	-48	-52	-52	-52
-52	-47	-51	-51	-51	-48	-52	-52	-51
-52	-46	-50	-51	-51	-47	-52	-52	-51
-51	-46	-50	-51	-51	-47	-51	-52	-52
-52	-45	-50	-51	-52	-47	-52	-52	-52
-51	-46	-51	-51	-51	-47	-51	-52	-51
-52	-46	-50	-51	-51	-47	-52	-52	-52
-51	-46	-50	-51	-51	-47	-52	-52	-51
-51	-46	-50	-50	-51	-47	-51	-52	-52
-51	-46	-50	-51	-51	-48	-51	-52	-52
-51	-46	-50	-51	-51	-48	-51	-52	-52
-51	-46	-50	-51	-51	-48	-51	-52	-52
-51	-46	-50	-50	-51	-47	-51	-52	-51
-52	-46	-50	-51	-50	-47	-51	-52	-51
-51	-46	-50	-52	-51	-48	-51	-52	-52
-52	-45	-50	-51	-51	-48	-52	-52	-52
-52	-45	-50	-50	-51	-48	-51	-53	-51
-49	-44	-50	-51	-50	-48	-51	-53	-52
-50	-45	-50	-50	-51	-48	-52	-52	-52
-50	-44	-50	-52	-52	-48	-51	-52	-52
-52	-45	-51	-52	-51	-48	-51	-52	-52
-50	-45	-50	-50	-51	-48	-51	-52	-52
-52	-45	-50	-50	-51	-48	-52	-52	-52
-50	-46	-50	-52	-52	-48	-51	-52	-52
-51	-46	-50	-51	-51	-48	-51	-53	-52
-49	-46	-50	-49	-50	-50	-58	-52	-51
-50	-47	-48	-48	-51	-49	-59	-51	-52
-50	-48	-49	-48	-51	-46	*	-51	-52
-50	-47	-48	-48	-50	-48	-49	-51	-52
-51	-48	-48	-48	-50	-48	-49	-52	-51

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR HASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
97	34	56	-50	-51	-47	-48	-49
98	35	16	-51	-51	-48	-49	-50
99	35	36	-49	-51	-47	-48	-49
100	35	56	-50	-50	-48	-49	-50
101	36	16	-50	-48	-48	-48	-48
102	36	36	-50	-50	-48	-48	-47
103	36	56	-50	-51	-47	-48	-48
104	37	16	-50	-52	-46	-49	-49
105	37	36	-50	-50	-46	-49	-48
106	37	56	-49	-47	-46	-49	-49
107	38	16	-50	-52	-46	-49	-48
108	38	36	-51	-52	-46	-48	-49
109	38	56	-50	-48	-46	-49	-50
110	39	16	-50	-51	-46	-49	-49
111	39	36	-50	-50	-46	-49	-49
112	39	56	-50	-52	-45	-49	-49
113	40	16	-50	-51	-42	-49	-50
114	40	36	-50	-48	-41	-49	-49
115	40	56	-50	-49	-40	-48	-48
116	41	16	-50	-48	-40	-49	-48
117	41	36	-50	-48	-39	-48	-49
118	41	56	-50	-49	-39	-48	-48
119	42	16	-51	-50	-38	-49	-50
120	42	36	-50	-48	-38	-49	-49
121	42	56	-50	-51	-38	-49	-49
122	43	16	-51	-50	-38	-48	-49
123	43	36	-50	-51	-38	-49	-50
124	43	56	-50	-51	-38	-49	-50
125	44	16	-50	-50	-39	-49	-50
126	44	36	-50	-48	-38	-49	-50
127	44	56	-50	-49	-39	-48	-49
128	45	16	-49	-49	-39	-49	-48
129	45	36	-50	-48	-39	-49	-49
130	45	56	-50	-47	-38	-49	-50
131	46	16	-50	-48	-37	-49	-48
132	46	36	-50	-52	-37	-48	-49
133	46	56	-50	-51	-37	-48	-50
134	47	16	-50	-49	-37	-48	-48
135	47	36	-50	-48	-37	-49	-50
136	47	56	-50	-50	-36	-48	-49
137	48	16	-50	-50	-36	-48	-50
138	48	36	-50	-48	-36	-48	-49
139	48	56	-50	-48	-35	-48	-48
140	49	16	-51	-49	-35	-48	-48
141	49	36	-50	-47	-35	-48	-48
142	49	56	-50	-48	-35	-48	-49
143	50	16	-50	-49	-34	-48	-48
144	50	36	-50	-51	-34	-47	-49
145	50	56	-50	-50	-34	-47	-48
146	51	16	-47	-50	-22	-37	-41

-16	3-17	3-18	3-19	3-20	3-21	3-22	3-23	3-24
)TS	CO-PLT	CO-PLT	CO-PLT	CO-PLT	CARGO	CARGO	CARGO	CARGO
)OR	HEAD	WAIST	FOOT	FLOOR	AREA	AREA	AREA	AREA
ISS	LEVEL	LEVEL	LEVEL	MASS	FWD	FWD	FWD	FWD
IIR	AIR	AIR	AIR	TEMP	HEAD	WAIST	FOOT	FLOOR
EMP	TEMP	TEMP	TEMP		LEVEL	LEVEL	LEVEL	MASS
..C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
51	-47	-48	-49	-50	-48	-50	-52	-51
51	-48	-49	-50	-51	-48	-50	-52	-52
51	-47	-48	-49	-51	-50	-40	-51	-50
50	-48	-49	-50	-51	-46	-40	-50	-52
48	-48	-48	-48	-50	-45	-46	-50	-52
50	-48	-48	-47	-49	-48	-49	-50	-52
51	-47	-48	-48	-50	-48	-49	-51	-51
52	-46	-49	-49	-50	-48	-49	-52	-52
50	-46	-49	-48	-50	-47	-49	-52	-51
47	-46	-49	-49	-50	-47	-50	-52	-52
52	-46	-49	-48	-50	-47	-50	-52	-51
52	-46	-48	-49	-50	-47	-50	-52	-51
48	-46	-49	-50	-51	-47	-50	-52	-52
51	-46	-49	-49	-50	-47	-50	-52	-52
50	-46	-49	-49	-50	-46	-50	-52	-51
52	-45	-49	-49	-50	-46	-50	-52	-51
51	-42	-49	-50	-50	-46	-50	-52	-51
48	-41	-49	-49	-50	-45	-50	-52	-52
49	-40	-48	-48	-50	-45	-50	-52	-51
48	-40	-49	-48	-50	-44	-50	-52	-52
48	-39	-48	-49	-50	-45	-51	-52	-51
49	-39	-48	-48	-50	-45	-50	-52	-51
50	-38	-49	-50	-50	-44	-51	-52	-51
48	-38	-49	-49	-50	-44	-51	-52	-51
51	-38	-49	-49	-49	-45	-51	-52	-51
50	-38	-48	-49	-50	-45	-51	-52	-50
51	-38	-49	-50	-50	-45	-51	-52	-52
51	-38	-49	-50	-49	-45	-50	-52	-52
50	-39	-49	-50	-49	-44	-51	-52	-51
48	-38	-49	-50	-50	-45	-51	-52	-52
49	-39	-48	-49	-49	-44	-50	-52	-52
49	-39	-49	-48	-49	-45	-50	-52	-52
48	-39	-49	-49	-48	-44	-50	-52	-52
47	-38	-49	-50	-49	-45	-51	-53	-51
48	-37	-49	-48	-48	-45	-51	-52	-52
52	-37	-48	-49	-49	-45	-51	-52	-51
51	-37	-48	-50	-48	-44	-51	-52	-51
49	-37	-48	-48	-49	-44	-51	-52	-50
48	-37	-49	-50	-49	-44	-51	-52	-51
50	-36	-48	-49	-48	-44	-51	-52	-51
50	-36	-48	-50	-49	-44	-51	-52	-51
8	-36	-48	-49	-49	-44	-51	-52	-51
46	-35	-48	-48	-49	-44	-51	-52	-50
49	-35	-48	-48	-48	-44	-50	-52	-52
47	-35	-48	-48	-48	-44	-50	-52	-52
48	-35	-48	-49	-49	-45	-51	-52	-51
49	-34	-48	-48	-48	-44	-50	-52	-51
	-34	-47	-49	-48	-44	-50	-52	-51
0	-34	-47	-49	-48	-34	-34	-36	-49
50	-22	-37	-41	-48	-22	-38	-44	-49

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	C
147	51	35	-43	-46	-13	-22	-32	
148	51	55	-44	-50	-11	-20	-29	
149	52	15	-43	-50	-7	-13	-29	
150	52	35	-40	-48	-3	-5	-27	
151	52	55	-38	-46	0	0	-20	
152	53	15	-36	-48	-0	-0	-17	
153	53	35	-33	-45	-2	-6	-20	
154	53	55	-35	-46	5	9	-7	
155	54	15	-34	-46	5	13	-2	
156	54	35	-32	-46	7	16	3	
157	54	55	-33	-45	6	9	-1	
158	55	15	-32	-48	10	21	4	
159	55	35	-28	-45	14	29	18	
160	55	55	-26	-44	17	32	24	
161	56	15	-30	-47	16	25	12	
162	56	35	-35	-43	11	6	-3	
163	56	55	-38	-45	4	-4	-12	
164	57	15	-23	-42	4	-3	-12	
165	57	35	-14	-43	5	-5	-14	
166	57	55	-12	-42	5	-4	-15	
167	58	15	-10	-43	5	-2	-16	
168	58	35	-10	-43	7	-2	-16	
169	58	55	-8	-40	9	1	-15	
170	59	15	-6	-41	9	2	-15	
171	59	35	-5	-40	9	2	-16	
172	59	55	-5	-40	10	2	-17	
173	60	15	-3	-40	11	4	-16	
174	60	35	-1	-39	11	4	-16	
175	60	55	2	-39	11	4	-15	
176	61	14	7	-39	13	2	-10	
177	61	34	10	-35	12	2	-3	
178	61	54	11	-32	12	1	0	
179	62	14	12	-31	12	2	0	
180	62	34	12	-30	12	4	2	
181	62	54	14	-30	12	3	3	
182	63	14	15	-28	14	2	4	
183	63	34	16	-26	14	1	3	
184	63	54	17	-25	15	1	2	
185	64	14	18	-22	15	1	5	
186	64	34	17	-20	16	0	8	
187	64	54	15	-20	22	5	6	
188	65	14	22	-21	16	5	9	
189	65	34	18	-16	16	3	8	
190	65	54	20	-19	17	5	5	
191	66	14	22	-17	17	7	8	
192	66	34	24	-15	17	7	8	
193	66	54	22	-13	17	8	7	
194	67	14	24	-13	18	7	8	
195	67	34	22	-15	19	7	3	
196	67	54	23	-14	19	8	1	

3-16 LOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
-46	-13	-22	-32	-48	-19	-31	-46	-51
-50	-11	-20	-29	-48	-16	-29	-47	-50
-50	-7	-13	-29	-48	-9	-27	-48	-50
-48	-3	-5	-27	-48	-8	-30	-46	-50
-46	0	0	-20	-47	-5	-34	-47	-50
-48	-0	-0	-17	-46	-9	-20	16	-42
-	-2	-6	-20	-46	-7	-20	-7	-37
-46	5	9	-7	-45	-4	-20	-21	-42
-46	5	13	-2	-45	-9	-22	-31	-44
-46	7	16	3	-44	-12	-20	-38	-45
-45	6	9	-1	-44	-14	-16	-43	-46
-48	10	21	4	-44	-6	-26	-45	-46
-45	14	29	18	-42	-1	-30	-46	-46
-44	17	32	24	-41	0	-33	-46	-46
-47	16	25	12	-42	1	-35	-46	-46
-43	11	6	-3	-40	-6	-37	-47	-46
-45	4	-4	-12	-39	-9	-36	-46	-46
-42	4	-3	-12	-39	-9	-38	-48	-46
-43	5	-5	-14	-40	-5	-38	-47	-46
-42	5	-4	-15	-39	0	-39	-47	-46
-43	5	-2	-16	-40	1	-38	-48	-46
-43	7	-2	-16	-39	0	-39	-48	-46
-40	9	1	-15	-40	1	-38	-47	-45
-41	9	2	-15	-40	2	-39	-47	-46
-40	9	2	-16	-40	3	-38	-47	-46
-40	10	2	-17	-40	6	-38	-48	-46
-40	11	4	-16	-39	6	-38	-47	-46
-39	11	4	-16	-39	4	-38	-47	-46
-39	11	4	-15	-40	8	-38	-47	-46
-39	13	2	-10	-39	7	-38	-47	-46
-35	12	2	-3	-40	2	-39	-47	-46
-32	12	1	0	-40	1	-39	-47	-46
-31	12	2	0	-40	5	-39	-47	-47
-30	12	4	2	-39	5	-38	-47	-47
-30	12	3	3	-39	3	-38	-47	-46
-28	14	2	4	-39	2	-38	-47	-46
-26	14	1	3	-39	1	-38	-47	-46
-25	15	1	2	-39	0	-38	-47	-46
-22	15	1	5	-38	0	-37	-48	-46
-20	16	0	8	-38	-1	-37	-46	-46
-20	22	5	6	-38	3	-32	-46	-46
-21	16	5	9	-39	0	-40	-40	-46
-16	16	3	8	-39	0	-37	-46	-46
-19	17	5	5	-39	0	-37	-46	-46
-17	17	7	8	-38	0	-36	-46	-46
-15	17	7	8	-39	0	-37	-46	-46
-13	17	8	7	-38	0	-36	-46	-46
-13	18	7	8	-38	1	-36	-46	-45
-15	19	7	3	-38	2	-36	-46	-45
-14	19	8	1	-38	3	-35	-46	-45

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
197	68	14	22	-13	19	10	1
198	68	34	22	-11	18	11	0
199	68	54	22	-14	19	11	1
200	69	13	22	-11	19	12	1
201	69	33	23	-8	20	12	0
202	69	53	24	-8	22	13	3
203	70	13	24	-8	22	13	1
204	70	33	24	-4	22	15	7
205	70	53	24	-7	23	17	9
206	71	13	14	-6	22	9	0
207	71	33	5	-8	15	-0	-9
208	71	53	1	-10	11	-6	-15
209	72	13	-0	-12	8	-12	-22
210	72	33	-2	-12	5	-16	-27
211	72	53	-3	-15	3	-18	-28
212	73	13	-4	-15	2	-20	-30
213	73	33	-4	-14	1	-22	-30
214	73	53	-3	-17	0	-20	-25
215	74	13	0	-15	-2	-16	-16
216	74	33	1	-16	-2	-12	-6
217	74	53	2	-13	-2	-10	-3
218	75	13	3	-14	-0	-6	0
219	75	33	6	-11	1	-2	4
220	75	53	8	-12	1	1	6
221	76	13	9	-7	1	3	9
222	76	33	10	-7	1	4	9
223	76	52	13	-5	2	5	12
224	77	12	14	-2	3	7	14
225	77	32	14	-4	4	9	14
226	77	52	15	-2	6	9	15
227	78	12	17	0	7	12	18
228	78	32	17	2	8	14	20
229	78	52	17	2	9	16	20
230	79	12	20	4	11	17	22
231	79	32	19	3	14	18	23
232	79	52	19	3	17	19	25
233	80	12	20	4	18	21	27
234	80	32	22	4	17	23	27
235	80	52	23	8	17	24	29
236	81	12	23	10	17	23	29
237	81	32	26	11	18	23	30
238	81	52	24	9	23	25	31
239	82	12	27	9	24	28	32
240	82	32	28	14	25	26	33
241	82	52	27	14	24	26	32
242	83	12	28	14	24	26	34
243	83	32	27	13	24	27	35
244	83	52	28	16	24	29	36
245	84	12	29	21	23	29	39
246	84	32	31	22	24	29	36

3-16 LOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
-13	19	10	1	-38	6	-36	-46	-46
-11	18	11	0	-39	7	-36	-46	-46
-14	19	11	1	-37	7	-36	-46	-46
-11	19	12	1	-38	7	-36	-45	-46
-8	20	12	0	-38	8	-36	-45	-46
-8	22	13	3	-38	8	-36	-45	-46
-8	22	13	1	-37	6	-36	-46	-46
-4	22	15	7	-36	7	-37	-46	-46
-7	23	17	9	-37	7	-36	-45	-45
-6	22	9	0	-38	7	-37	-45	-46
-8	15	-0	-9	-38	2	-36	-45	-46
-10	11	-6	-15	-36	-1	-37	-45	-46
-12	8	-12	-22	-37	-4	-36	-45	-46
-12	5	-16	-27	-38	-6	-37	-46	-46
-15	3	-18	-28	-37	-7	-36	-45	-46
-15	2	-20	-30	-38	-8	-37	-45	-46
-14	1	-22	-30	-38	-8	-36	-45	-45
-17	0	-20	-25	-36	-18	-24	-45	-45
-15	-2	-16	-16	-32	-12	-30	-45	-45
-16	-2	-12	-6	-32	-6	-20	-42	-46
-13	-2	-10	-3	-30	-6	-23	-42	-46
-14	-0	-6	0	-28	6	-8	-41	-45
-11	1	-2	4	-26	11	0	-40	-45
-12	1	1	6	-24	15	3	-38	-45
-7	1	3	9	-20	15	3	-37	-44
-7	1	4	9	-19	21	0	-36	-45
-5	2	5	12	-17	22	0	-34	-44
-2	3	7	14	-16	27	0	-35	-44
-4	4	9	14	-13	30	16	-34	-43
-2	6	9	15	-11	31	7	-33	-43
0	7	12	18	-8	31	16	-33	-44
2	8	14	20	-8	33	6	-32	-43
2	9	16	20	-6	36	16	-32	-42
4	11	17	22	-5	36	22	-32	-42
3	14	18	23	-4	42	14	-31	-42
3	17	19	25	-2	43	7	-31	-42
4	18	21	27	0	44	9	-30	-42
4	17	23	27	0	46	30	-30	-41
8	17	24	29	1	42	29	-28	-40
10	17	23	29	2	45	29	-28	-40
11	18	23	30	5	45	20	-26	-40
9	23	25	31	3	49	36	-26	-40
9	24	28	32	5	46	36	-26	-40
14	25	26	33	7	46	33	-25	-39
14	24	26	32	7	51	36	-25	-39
14	24	26	34	8	50	31	-24	-39
13	24	27	35	9	50	36	-23	-39
16	24	29	36	11	51	29	-23	-38
21	23	29	39	12	52	39	-22	-38
22	24	29	36	12	52	43	-21	-38

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
247	84	52	31	22	25	29	36
248	85	12	32	22	25	31	36
249	85	32	32	24	27	30	36
250	85	52	32	22	27	32	36
251	86	12	33	25	28	31	36
252	86	32	35	29	27	33	36
253	86	52	34	25	28	35	38
254	87	12	34	27	29	35	40
255	87	32	36	27	29	34	40
256	87	52	35	27	29	34	39
257	88	12	36	30	30	35	40
258	88	32	36	30	29	37	42
259	88	52	37	32	33	38	42
260	89	12	36	27	33	37	40
261	89	3[illegible]	34	27	33	38	39
262	89	52	37	25	32	36	39
263	90	12	38	29	32	36	40
264	90	32	36	29	32	38	42
265	90	52	37	30	32	37	41
266	91	12	39	31	34	38	43
267	91	33	39	31	35	35	38
268	91	53	36	31	36	34	33
269	92	13	35	31	38	34	33
270	92	33	35	29	38	34	36
271	92	53	36	31	41	34	34
272	93	14	36	28	41	35	35
273	93	34	35	29	39	33	33
274	93	54	34	28	39	32	31
275	94	14	34	32	37	32	32
276	94	35	35	29	39	32	29
277	94	55	35	28	38	31	33
278	95	15	34	31	38	33	33
279	95	36	32	29	37	31	33
280	95	56	33	31	36	30	30
281	96	17	33	32	36	31	29
282	96	37	33	32	36	32	32
283	96	57	34	33	36	30	31
284	97	18	32	29	36	31	29
285	97	38	32	27	35	29	31
286	97	59	32	28	35	29	29
287	98	19	32	29	35	29	32
288	98	40	33	33	36	29	31
289	99	0	31	31	35	31	28
290	99	21	31	25	34	29	28
291	99	42	31	24	33	29	27
292	100	2	31	29	33	29	31
293	100	23	31	31	34	30	30
294	100	44	31	27	33	28	30
295	101	5	31	30	32	29	27
296	101	25	30	28	33	29	27

3-16 LOTS FLOOR MASS AIR TEMP EG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
22	25	29	36	14	53	43	-20	-38
22	25	31	36	16	51	38	-21	-36
24	27	30	36	15	53	44	-20	-37
22	27	32	36	17	54	43	-20	-36
25	28	31	36	18	55	23	-19	-36
29	27	33	36	18	54	44	-18	-34
25	28	35	38	20	51	44	-17	-36
27	29	35	40	21	52	44	-16	-35
27	29	34	40	21	51	36	-16	-35
27	29	34	39	21	55	35	-16	-34
30	30	35	40	22	57	45	-16	-34
30	29	37	42	22	53	44	-15	-34
32	33	38	42	22	56	43	-14	-33
27	33	37	40	22	52	44	-13	-34
27	33	36	39	23	51	31	-17	-32
25	32	36	39	22	52	31	-15	-33
29	32	36	40	24	50	48	-14	-33
29	32	38	42	25	56	43	-13	-33
30	32	37	41	24	54	44	-13	-31
31	34	38	43	25	55	49	-11	-32
31	35	35	38	25	58	36	-8	-31
31	36	34	33	24	58	36	-8	-32
31	38	34	33	25	59	36	-5	-30
29	38	34	36	26	56	36	-4	-30
31	41	34	34	27	56	38	-4	-30
28	41	35	35	27	58	46	-3	-28
29	39	33	33	27	44	31	-0	-28
28	39	32	31	27	42	28	1	-28
32	37	32	32	27	48	39	1	-28
29	39	32	29	26	48	47	0	-27
28	38	31	33	27	51	46	0	-27
31	38	33	33	28	53	51	0	-26
29	37	31	33	27	45	31	1	-26
31	36	30	30	27	41	36	2	-26
32	36	31	29	26	47	41	2	-26
32	36	32	32	25	48	44	2	-24
33	36	30	31	25	51	36	2	-25
29	36	31	29	26	42	40	3	-24
27	35	29	31	27	39	27	3	-24
28	35	29	29	26	43	21	4	-24
29	35	29	32	28	46	31	3	-23
33	36	29	31	27	48	21	4	-23
31	35	31	28	27	37	36	4	-24
25	34	29	28	27	38	24	5	-23
24	33	29	27	27	45	38	4	-22
29	33	29	31	27	46	20	4	-23
31	34	30	30	27	41	26	4	-22
27	33	28	30	27	37	24	5	-20
30	32	29	27	28	43	18	5	-21
28	33	29	27	27	48	36	5	-20

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
297	101	46	31	31	33	29	28
298	102	7	31	30	33	28	27
299	102	28	29	33	32	24	24
300	102	48	24	23	32	21	22
301	103	9	24	26	30	17	19
302	103	30	22	28	29	15	17
303	103	51	22	26	28	14	16
304	104	12	21	19	26	13	16
305	104	33	22	19	24	11	14
306	104	54	18	16	23	11	13
307	105	15	18	18	22	8	14
308	105	36	19	19	19	8	13
309	105	56	17	18	18	8	9
310	106	17	17	12	18	7	10
311	106	38	16	15	17	7	9
312	106	59	15	15	17	6	7
313	107	20	14	15	15	5	7
314	107	41	14	11	15	4	7
315	108	2	14	9	14	4	5
316	108	23	12	4	14	3	5
317	108	44	12	11	14	3	4
318	109	5	11	7	12	2	3
319	109	26	9	5	13	2	3
320	109	47	10	6	12	2	3
321	110	8	9	7	12	1	3
322	110	29	10	4	12	2	1
323	110	50	8	2	11	1	0
324	111	11	7	1	11	1	-2
325	111	32	7	7	10	1	0
326	111	52	7	4	9	0	-1
327	112	13	6	2	9	0	0
328	112	34	7	0	9	-1	-0
329	112	55	5	0	7	-1	-2
330	113	16	4	0	8	-2	-2
331	113	37	4	1	8	-2	-5
332	113	58	4	-5	8	-2	-6
333	114	18	4	0	7	-3	-4
334	114	39	4	1	7	-3	-6
335	115	0	5	0	7	-3	-6
336	115	21	5	0	7	-2	-6
337	115	42	3	0	7	-2	-7
338	116	2	4	-2	7	-3	-7
339	116	23	3	1	7	-2	-8
340	116	44	3	0	5	-3	-6
341	117	5	3	0	6	-5	-4
342	117	25	2	0	7	-4	-6
343	117	46	2	-1	6	-2	-6
344	118	7	2	-3	7	-4	-5
345	118	28	1	0	6	-3	-5
346	118	48	1	-2	6	-2	-9

3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-2 CARG ARE FW FLOO MAS DEG.
31	33	29	28	27	42	40	5	-21
30	33	28	27	27	40	30	6	-20
33	32	24	24	24	41	27	1	-20
23	32	21	22	21	37	21	-2	-21
26	30	17	19	21	33	15	-5	-21
28	29	15	17	19	31	11	-8	-20
26	28	14	16	18	26	6	-8	-21
19	26	13	16	17	25	2	-10	-22
19	24	11	14	16	24	0	-12	-21
16	23	11	13	14	23	0	-12	-22
18	22	8	14	15	19	-2	-13	-22
19	19	8	13	14	18	-4	-14	-22
18	18	8	9	13	18	-4	-14	-22
12	18	7	10	13	18	-4	-15	-23
15	17	7	9	11	17	-6	-15	-24
15	17	6	7	10	15	-8	-16	-24
15	15	5	7	9	15	-7	-16	-24
11	15	4	7	9	13	-8	-16	-23
9	14	4	5	8	13	-9	-17	-23
4	14	3	5	8	11	-10	-17	-24
11	14	3	4	6	11	-11	-16	-24
7	12	2	3	7	11	-10	-16	-24
5	13	2	3	4	9	-10	-18	-24
6	12	2	3	4	8	-11	-17	-23
7	12	1	3	4	7	-13	-18	-24
4	12	2	1	4	7	-11	-18	-23
2	11	1	0	22	14	*	-4	-30
1	11	1	-2	2	5	-12	-18	-24
7	10	1	0	2	4	-13	-20	-24
4	9	0	-1	1	5	-12	-19	-24
2	9	0	0	0	4	-14	-19	-25
0	9	-1	-0	1	4	-15	-19	-25
0	7	-1	-2	0	3	-14	-20	-24
0	8	-2	-2	0	3	-16	-20	-24
1	8	-2	-5	-1	2	-14	-21	-26
-5	8	-2	-6	0	2	-16	-20	-25
0	7	-3	-4	-0	1	-15	-20	-24
1	7	-3	-6	-0	1	-14	-22	-24
0	7	-3	-6	0	1	-14	-22	-25
0	7	-2	-6	0	1	-14	-22	-24
0	7	-2	-7	0	0	-14	-20	-26
-2	7	-3	-7	-0	0	-13	-21	-24
1	7	-2	-8	0	1	-14	-22	-26
0	5	-3	-6	-0	0	-14	-22	-25
0	6	-5	-4	-0	0	-14	-21	-25
0	7	-4	-6	-2	0	-14	-22	-25
-1	6	-2	-6	-0	0	-14	-22	-26
-3	7	-4	-5	-2	0	-15	-21	-26
0	6	-3	-5	-1	0	-15	-21	-24
-2	6	-2	-9	0	-1	-16	-22	-26

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	CO F D
347	119	9	0	0	5	-3	-8	
348	119	30	0	2	6	-4	-7	
349	119	50	0	0	5	-3	-8	
350	120	11	1	0	5	-4	-6	
351	120	32	0	0	5	-3	-8	
352	120	52	0	-2	4	-4	-9	
353	121	13	0	1	6	-4	-9	
354	121	33	-1	0	4	-5	-9	
355	121	54	0	0	4	-7	-8	
356	122	15	0	-3	4	-6	-8	
357	122	35	-1	-6	4	-6	-8	
358	122	56	-2	-6	4	-6	-10	
359	123	16	-2	-7	4	-6	-10	
360	123	37	-2	-7	4	-6	-8	
361	123	57	-2	-8	3	-5	-10	
362	124	18	-3	-8	3	-6	-11	
363	124	38	-3	-8	3	-7	-9	
364	124	59	-3	-10	3	-7	-10	
365	125	19	-3	-8	2	-8	-11	
366	125	40	-3	-6	2	-7	-12	
367	126	0	-4	-10	2	-7	-10	
368	126	21	-4	-11	2	-6	-10	
369	126	41	-4	-10	2	-7	-10	
370	127	2	-4	-8	1	-8	-12	
371	127	22	-4	-8	1	-7	-13	
372	127	43	-6	-10	1	-7	-11	
373	128	3	-6	-11	0	-6	-13	
374	128	23	-6	-11	0	-8	-14	
375	128	44	-6	-12	0	-8	-15	
376	129	4	-7	-9	0	-9	-18	
377	129	25	-7	-11	0	-9	-17	
378	129	45	-8	-11	-0	-10	-18	
379	130	5	-9	-13	-0	-9	-18	
380	130	26	-8	-10	-1	-10	-20	
381	130	46	-9	-12	-1	-10	-18	
382	131	6	-9	-13	-1	-10	-20	
383	131	27	-10	-14	-1	-11	-20	
384	131	47	-9	-12	-1	-12	-20	
385	132	7	-10	-13	-2	-12	-20	
386	132	28	-10	-11	-2	-12	-18	
387	132	48	-10	-12	-2	-12	-19	
388	133	8	-10	-12	-2	-11	-19	
389	133	29	-9	-10	-2	-12	-20	
390	133	49	-10	-11	-4	-12	-20	
391	134	9	-10	-12	-2	-12	-20	
392	134	29	-11	-12	-4	-13	-21	
393	134	50	-12	-14	-3	-13	-19	
394	135	10	-12	-14	-3	-14	-22	
395	135	30	-13	-14	-3	-14	-20	
396	135	51	-12	-14	-3	-14	-20	

3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
0	5	-3	-8	-3	-0	-16	-22	-26
2	6	-4	-7	-4	0	-16	-23	-25
0	5	-3	-8	-4	-0	-16	-22	-26
0	5	-4	-6	-4	0	-15	-22	-26
0	5	-3	-8	-2	-1	-16	-23	-26
-2	4	-4	-8	-3	-0	-17	-23	-26
1	6	-4	-9	-4	-0	-16	-23	-26
0	4	-5	-9	-4	-0	-16	-23	-26
0	4	-7	-8	-4	-0	-17	-23	-26
-3	4	-6	-8	-3	-1	-16	-23	-26
-6	4	-6	-8	-4	0	-17	-23	-26
-6	4	-6	-10	-4	-1	-16	-23	-27
-7	4	-6	-10	-5	-0	-16	-23	-26
-7	4	-6	-8	-4	1	-17	-23	-25
-8	3	-5	-10	-4	-2	-17	-23	-26
-8	3	-6	-11	-4	-1	-17	-23	-26
-8	3	-7	-9	-4	-2	-18	-23	-25
-10	3	-7	-10	-4	-2	-18	-24	-26
-8	2	-8	-11	-6	-3	-18	-24	-26
-6	2	-7	-12	-4	-3	-18	-24	-27
-10	2	-7	-10	-5	-3	-18	-24	-27
-11	2	-6	-10	-4	-3	-18	-24	-27
-10	2	-7	-10	-4	-4	-18	-24	-25
-8	1	-8	-12	-6	-4	-18	-24	-27
-8	1	-7	-13	-5	-4	-19	-30	-27
-10	1	-7	-11	-6	-4	-19	-32	-28
-11	0	-6	-13	-5	-5	-20	-33	-28
-11	0	-8	-14	-4	-4	-21	-35	-28
-12	0	-8	-15	-5	-6	-22	-35	-28
-9	0	-9	-16	-6	-6	-22	-36	-28
-11	0	-9	-17	-7	-7	-24	-36	-29
-11	-0	-10	-19	-6	-7	-24	-37	-29
-13	-0	-9	-18	-7	-8	-24	-37	-29
-10	-1	-10	-20	-6	-7	-24	-37	-28
-12	-1	-10	-18	-7	-8	-25	-36	-30
-13	-1	-10	-20	-7	-8	-25	-37	-29
-14	-1	-11	-20	-7	-8	-25	-37	-29
-12	-1	-12	-20	-8	-8	-25	-38	-29
-13	-2	-12	-20	-8	-9	-25	-38	-29
-11	-2	-12	-18	-7	-8	-24	-36	-28
-12	-2	-12	-19	-7	-8	-25	-39	-28
-12	-2	-11	-19	-7	-8	-25	-37	-28
-10	-2	-12	-20	-8	-8	-25	-37	-28
-11	-4	-12	-20	-8	-9	-26	-37	-29
-12	-2	-12	-20	-8	-9	-26	-38	-29
-12	-4	-13	-21	-9	-9	-26	-38	-29
-14	-3	-13	-19	-8	-9	-27	-39	-30
-14	-3	-14	-22	-9	-10	-27	-38	-29
-14	-3	-14	-20	-8	-9	-27	-39	-30
-14	-3	-14	-20	-8	-10	-27	-39	-30

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
397	136	11	-12	-12	-4	-15	-22
398	136	31	-13	-16	-3	-14	-20
399	136	51	-13	-14	-3	-14	-20
400	137	12	-14	-16	-3	-14	-20
401	137	32	-14	-15	-3	-15	-22
402	137	52	-15	-16	-3	-15	-21
403	138	12	-14	-14	-3	-16	-22
404	138	33	-15	-15	-4	-16	-21
405	138	53	-15	-16	-4	-16	-22
406	139	13	-15	-16	-4	-16	-24
407	139	33	-15	-15	-4	-16	-24
408	139	53	-16	-16	-4	-16	-22
409	140	14	-15	-16	-4	-16	-23
410	140	34	-15	-15	-4	-16	-23
411	140	54	-15	-14	-4	-17	-24
412	141	14	-16	-16	-4	-16	-22
413	141	34	-16	-15	-5	-17	-24
414	141	55	-16	-18	-4	-17	-22
415	142	15	-17	-18	-4	-17	-23
416	142	35	-17	-16	-4	-18	-25
417	142	55	-18	-17	-4	-16	-24
418	143	15	-18	-19	-5	-17	-25
419	143	35	-18	-19	-4	-17	-25
420	143	56	-17	-16	-5	-18	-26
421	144	16	-18	-16	-6	-18	-26
422	144	36	-18	-17	-6	-18	-26
423	144	56	-18	-19	-6	-18	-27
424	145	16	-18	-18	-6	-18	-25
425	145	36	-20	-20	-6	-18	-26
426	145	56	-19	-18	-6	-18	-28
427	146	16	-18	-17	-7	-18	-26
428	146	36	-18	-17	-7	-18	-26
429	146	57	-18	-16	-7	-18	-27
430	147	17	-19	-18	-6	-18	-26
431	147	37	-18	-17	-7	-18	-27
432	147	57	-20	-20	-6	-18	-27
433	148	17	-20	-20	-7	-18	-27
434	148	37	-20	-20	-7	-19	-26
435	148	57	-20	-18	-7	-20	-28
436	149	17	-20	-18	-8	-19	-26
437	149	37	-20	-20	-8	-19	-26
438	149	58	-20	-20	-8	-19	-26
439	150	18	-20	-20	-8	-19	-26
440	150	38	-20	-20	-8	-20	-27
441	150	58	-20	-20	-7	-20	-28
442	151	18	-20	-20	-7	-20	-28
443	151	38	-20	-20	-8	-20	-28
444	151	58	-20	-20	-8	-20	-28
445	*	*	*	*	*	*	*

3-16 FLOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
-12	-4	-15	-22	-10	-10	-28	-39	-30
-16	-3	-14	-20	-9	-10	-28	-39	-30
-14	-3	-14	-20	-10	-10	-28	-39	-30
-16	-3	-14	-20	-9	-10	-29	-39	-30
-15	-3	-15	-22	-9	-10	-29	-40	-30
-16	-3	-15	-21	-10	-11	-30	-40	-30
-14	-3	-16	-22	-10	-12	-29	-40	-30
-15	-4	-16	-21	-10	-11	-30	-40	-31
-16	-4	-16	-22	-10	-11	-30	-40	-31
-16	-4	-16	-24	-10	-12	-29	-39	-30
-15	-4	-16	-24	-11	-12	-30	-39	-30
-16	-4	-16	-22	-10	-12	-30	-38	-32
-16	-4	-16	-23	-10	-12	-30	-40	-30
-15	-4	-16	-23	-11	-12	-30	-40	-30
-14	-4	-17	-24	-11	-12	-30	-39	-31
-16	-4	-16	-22	-10	-12	-30	-40	-32
-15	-5	-17	-24	-11	-13	-30	-39	-31
-18	-4	-17	-22	-10	-13	-30	-39	-31
-15	-4	-17	-23	-10	-13	-30	-40	-32
-16	-4	-16	-25	-11	-13	-31	-40	-31
-17	-4	-16	-24	-11	-13	-31	-40	-32
-19	-5	-17	-25	-11	-14	-31	-40	-32
-19	-4	-17	-25	-11	-14	-31	-40	-31
-16	-5	-18	-26	-12	-14	-30	-40	-32
-16	-6	-18	-26	-12	-14	-31	-40	-32
-17	-6	-18	-26	-12	-13	-31	-41	-32
-19	-6	-18	-27	-13	-14	-31	-41	-33
-18	-6	-18	-25	-12	-13	-31	-40	-32
-20	-6	-19	-26	-12	-14	-32	-40	-32
-18	-6	-18	-28	-14	-14	-32	-40	-33
-17	-7	-18	-26	-14	-14	-31	-40	-33
-17	-7	-19	-26	-14	-14	-31	-40	-33
-16	-7	-18	-27	-14	-14	-31	-39	-33
-18	-6	-18	-26	-14	-15	-31	-40	-33
-17	-7	-18	-27	-14	-15	-31	-40	-33
-20	-6	-18	-27	-14	-15	-31	-41	-33
-20	-7	-18	-27	-14	-15	-32	-42	-33
-20	-7	-19	-26	-14	-15	-31	-41	-33
-18	-7	-20	-26	-14	-15	-31	-40	-32
-18	-8	-19	-26	-14	-16	-32	-39	-33
-20	-8	-19	-26	-15	-15	-31	-38	-33
-20	-8	-19	-26	-15	-16	-32	-38	-33
-20	-8	-19	-26	-15	-15	-31	-37	-34
-20	-8	-20	-27	-16	-16	-32	-38	-34
-20	-7	-20	-28	-16	-16	-32	-38	-32
-20	-7	-20	-28	-15	-16	-32	-38	-33
-20	-8	-20	-28	-15	-17	-32	-38	-33
-20	-8	-20	-28	-16	-16	-32	-37	-33
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HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
1	0	7	-52	-53	-53	-53
2	0	27	-52	-52	-52	-52
3	0	47	-52	-52	-52	-52
4	1	7	-52	-52	-52	-52
5	1	27	-52	-53	-52	-52
6	1	47	-52	-52	-52	-52
7	2	7	-52	-52	-52	-52
8	2	27	-52	-52	-53	-52
9	2	47	-52	-53	-53	-52
10	3	7	-52	-53	-53	-52
11	3	27	-52	-53	-53	-52
12	3	47	-52	-52	-53	-53
13	4	7	-52	-53	-52	-53
14	4	27	-52	-53	-53	-52
15	4	47	-52	-53	-52	-52
16	5	7	-52	-52	-53	-52
17	5	27	-52	-52	-53	-52
18	5	47	-52	-53	-52	-52
19	6	7	-52	-53	-53	-52
20	6	27	-52	-52	-53	-53
21	6	47	-52	-52	-52	-52
22	7	7	-52	-52	-52	-52
23	7	27	-52	-52	-52	-52
24	7	47	-52	-52	-53	-52
25	8	6	-51	-52	-52	-52
26	8	26	-51	-52	-52	-52
27	8	46	-51	-52	-52	-52
28	9	9	-50	-51	-52	-52
29	9	29	-50	-52	-52	-52
30	9	49	-50	-51	-52	-52
31	10	9	-50	-51	-52	-52
32	10	29	-48	-50	-51	-52
33	10	49	-49	-51	-51	-52
34	11	9	-50	-51	-52	-52
35	11	29	-50	-52	-52	-52
36	11	49	-50	-52	-52	-52
37	15	26	-50	-51	-51	-52
38	15	46	-50	-51	-52	-51
39	16	6	-49	-51	-52	-51
40	16	26	-50	-51	-52	-51
41	16	46	-50	-51	-52	-52
42	17	6	-49	-51	-52	-52
43	17	26	-49	-51	-51	-52
44	17	46	-49	-50	-52	-52
45	18	6	-49	-51	-51	-51

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
46	18	26	-48	-51	-52	-52
47	18	46	-49	-51	-52	-52
48	19	6	-49	-51	-52	-52
50	19	29	-49	-50	-51	-51
51	19	49	-48	-50	-52	-51
52	20	9	-49	-50	-51	-51
53	20	29	-48	-51	-51	-51
54	20	50	-48	-50	-51	-51
55	21	10	-49	-50	-51	-51
56	21	30	-48	-50	-51	-51
57	21	50	-48	-50	-51	-50
58	22	10	-48	-50	-51	-51
59	22	30	-48	-50	-50	-50
60	22	50	-48	-50	-50	-50
61	23	10	-48	-50	-51	-51
62	23	30	-48	-50	-51	-50
63	23	50	-49	-51	-51	-52
64	24	10	-48	-50	-52	-51
65	24	27	-48	-49	-50	-50
66	24	35	-50	-51	-51	-51
67	24	55	-50	-51	-51	-51
68	25	16	-50	-51	-51	-50
69	25	36	-50	-51	-51	-51
70	25	56	-50	-50	-52	-51
71	26	16	-50	-51	-51	-51
72	26	36	-50	-50	-51	-51
73	26	56	-50	-51	-51	-51
74	27	16	-50	-51	-51	-51
75	27	36	-49	-50	-51	-51
76	27	56	-50	-51	-52	-51
77	28	16	-50	-51	-51	-50
78	28	36	-50	-50	-52	-51
79	28	56	-49	-50	-50	-50
80	29	16	-49	-50	-51	-50
81	29	36	-49	-50	-51	-51
82	29	56	-50	-51	-51	-51
83	30	16	-50	-50	-52	-51
84	30	36	-49	-51	-51	-51
85	30	56	-50	-51	-51	-51
86	31	16	-50	-51	-51	-51
87	31	36	-50	-51	-52	-51
88	31	56	-50	-52	-51	-50
89	32	16	-50	-52	-51	-50
90	32	36	-50	-51	-51	-51
91	32	56	-49	-51	-52	-50
92	33	16	-50	-50	-50	-50
93	33	36	-50	-50	-50	-50
94	33	56	-50	-50	-50	-50
95	34	16	-50	-49	-50	-50
96	34	36	-50	-50	-50	-50

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
97	34	56	-50	-50	-50	-50
98	35	16	-50	-50	-50	-50
99	35	36	-50	-50	-50	-50
100	35	56	-50	-49	-50	-49
101	36	16	-49	-49	-49	-48
102	36	36	-49	-49	-49	-48
103	36	56	-50	-50	-49	-49
104	37	16	-50	-50	-50	-49
105	37	36	-49	-49	-50	-48
106	37	56	-50	-50	-50	-48
107	38	16	-49	-49	-50	-48
108	38	36	-49	-50	-51	-48
109	38	56	-50	-50	-50	-48
110	39	16	-49	-50	-51	-48
111	39	36	-48	-50	-51	-48
112	39	56	-49	-50	-50	-48
113	40	16	-50	-50	-51	-48
114	40	36	-50	-50	-51	-48
115	40	56	-49	-50	-50	-48
116	41	16	-49	-50	-51	-48
117	41	36	-49	-50	-51	-47
118	41	56	-49	-50	-50	-47
119	42	16	-49	-50	-51	-47
120	42	36	-48	-50	-50	-47
121	42	56	-49	-50	-51	-47
122	43	16	-49	-50	-51	-47
123	43	36	-50	-50	-51	-48
124	43	56	-49	-50	-51	-47
125	44	16	-49	-50	-51	-46
126	44	36	-49	-50	-51	-47
127	44	56	-49	-50	-51	-47
128	45	16	-50	-50	-50	-47
129	45	36	-49	-50	-51	-46
130	45	56	-50	-50	-51	-47
131	46	16	-50	-50	-51	-46
132	46	36	-49	-51	-50	-46
133	46	56	-49	-50	-50	-46
134	47	16	-49	-50	-50	-46
135	47	36	-49	-50	-50	-46
136	47	56	-49	-50	-50	-46
137	48	16	-49	-50	-50	-45
138	48	36	-49	-50	-50	-46
139	48	56	-49	-50	-50	-46
140	49	16	-49	-50	-50	-46
141	49	36	-49	-50	-50	-46
142	49	56	-49	-50	-50	-46
143	50	16	-49	-50	-50	-46
144	50	36	-49	-50	-50	-45
145	50	56	-49	-51	-50	-46
146	51	16	-46	-48	-51	-45

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
147	51	35	-42	-47	-50	-45
148	51	55	-36	-44	-50	-45
149	52	15	-33	-41	-49	-45
150	52	35	-30	-39	-50	-45
151	52	55	-30	-39	-49	-44
152	53	15	-29	-38	-50	-46
153	53	35	-28	-38	-49	-45
154	53	55	-28	-37	-48	-45
155	54	15	-28	-38	-48	-44
156	54	35	-27	-38	-48	-45
157	54	55	-27	-38	-48	-45
158	55	15	-27	-38	-49	-45
159	55	35	-26	-38	-49	-45
160	55	55	-26	-38	-48	-44
161	56	15	-24	-38	-49	-45
162	56	35	-25	-39	-49	-44
163	56	55	-27	-40	-49	-43
164	57	15	-28	-40	-49	-44
165	57	35	-28	-40	-49	-44
166	57	55	-28	-40	-48	-44
167	58	15	-27	-40	-48	-44
168	58	35	-26	-39	-48	-44
169	58	55	-25	-39	-48	-44
170	59	15	-25	-39	-49	-44
171	59	35	-24	-39	-48	-43
172	59	55	-24	-38	-48	-44
173	60	15	-22	-39	-48	-44
174	60	35	-22	-38	-48	-44
175	60	55	-22	-38	-48	-44
176	61	14	-21	-38	-48	-43
177	61	34	-21	-38	-48	-43
178	61	54	-22	-39	-48	-43
179	62	14	-22	-39	-48	-44
180	62	34	-21	-38	-48	-44
181	62	54	-21	-39	-48	-44
182	63	14	-20	-38	-48	-44
183	63	34	-19	-39	-47	-43
184	63	54	-20	-38	-48	-43
185	64	14	-19	-38	-46	-43
186	64	34	-20	-38	-46	-43
187	64	54	-20	-32	-46	-43
188	65	14	-12	-33	-49	-42
189	65	34	-18	-38	-48	-44
190	65	54	-18	-36	-47	-42
191	66	14	-18	-38	-46	-42
192	66	34	-17	-36	-47	-43
193	66	54	-17	-37	-46	-40
194	67	14	-16	-38	-47	-42
195	67	34	-16	-37	-47	-42
196	67	54	-16	-37	-46	-42

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
197	68	14	-15	-36	-47	-42
198	68	34	-15	-36	-46	-42
199	68	54	-15	-36	-46	-42
200	69	13	-15	-36	-46	-42
201	69	33	-14	-36	-46	-42
202	69	53	-14	-36	-46	-42
203	70	13	-14	-36	-46	-42
204	70	33	-13	-36	-45	-42
205	70	53	-12	-36	-46	-41
206	71	13	-12	-38	-46	-41
207	71	33	-15	-38	-46	-41
208	71	53	-16	-38	-46	-41
209	72	13	-17	-38	-46	-41
210	72	33	-18	-38	-45	-42
211	72	53	-20	-38	-46	-40
212	73	13	-20	-38	-45	-41
213	73	33	-21	-38	-46	-41
214	73	53	-23	-34	-44	-41
215	74	13	-26	-31	-39	-42
216	74	33	-24	-28	-36	-41
217	74	53	-21	-25	-32	-40
218	75	13	-17	-21	-30	-41
219	75	33	-11	-16	-27	-41
220	75	53	-6	-12	-25	-41
221	76	13	-2	-10	-24	-40
222	76	33	1	-6	-22	-40
223	76	52	4	-1	-19	-40
224	77	12	7	0	-19	-40
225	77	32	8	2	-15	-40
226	77	52	10	4	-14	-40
227	78	12	12	6	-14	-39
228	78	32	14	7	-10	-39
229	78	52	16	9	-10	-39
230	79	12	17	10	-8	-39
231	79	32	18	11	-7	-39
232	79	52	19	12	-6	-38
233	80	12	19	12	-4	-38
234	80	32	22	15	-4	-37
235	80	52	22	17	-3	-37
236	81	12	25	17	-4	-36
237	81	32	26	19	-3	-36
238	81	52	27	19	-2	-37
239	82	12	29	19	0	-36
240	82	32	27	20	0	-35
241	82	52	28	21	1	-35
242	83	12	29	21	0	-35
243	83	32	29	21	1	-35
244	83	52	30	21	1	-34
245	84	12	29	22	1	-34
246	84	32	30	23	2	-34

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
247	84	52	30	23	3	-34
248	85	12	31	22	3	-34
249	85	32	31	24	4	-32
250	85	52	32	24	5	-32
251	86	12	33	24	3	-32
252	86	32	34	24	4	-31
253	86	52	33	24	4	-31
254	87	12	33	25	5	-31
255	87	32	33	25	6	-31
256	87	52	34	26	5	-31
257	88	12	34	26	5	-30
258	88	32	35	27	6	-29
259	88	52	36	27	6	-29
260	89	12	35	27	2	-29
261	89	32	34	25	1	-28
262	89	52	33	25	4	-29
263	90	12	33	25	5	-28
264	90	32	34	26	5	-27
265	90	52	35	27	6	-28
266	91	12	35	27	7	-28
267	91	33	37	28	9	-27
268	91	53	38	29	8	-27
269	92	13	38	31	8	-27
270	92	33	38	30	9	-26
271	92	53	38	31	10	-26
272	93	14	39	31	11	-26
273	93	34	36	28	11	-25
274	93	54	33	26	11	-26
275	94	14	32	27	10	-24
276	94	35	33	27	8	-24
277	94	55	35	28	7	-24
278	95	15	36	29	7	-23
279	95	36	36	28	11	-24
280	95	56	33	27	9	-24
281	96	17	31	25	8	-23
282	96	37	31	25	9	-23
283	96	57	33	27	8	-23
284	97	18	33	26	8	-22
285	97	38	32	24	8	-23
286	97	59	29	23	8	-23
287	98	19	31	26	10	-22
288	98	40	32	27	8	-22
289	99	0	30	25	8	-21
290	99	21	28	22	9	-22
291	99	42	28	23	7	-21
292	100	2	31	26	7	-20
293	100	23	32	25	7	-20
294	100	44	28	22	8	-20
295	101	5	28	22	8	-20
296	101	25	30	24	7	-20

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
297	101	46	30	24	8	-20
298	102	7	30	25	7	-19
299	102	28	30	22	3	-19
300	102	48	27	17	0	-18
301	103	9	24	12	-5	-20
302	103	30	21	9	-8	-18
303	103	51	18	6	-10	-19
304	104	12	15	4	-12	-20
305	104	33	14	1	-14	-19
306	104	54	12	0	-14	-18
307	105	15	11	-1	-14	-19
308	105	36	9	-2	-16	-19
309	105	56	8	-4	-16	-20
310	106	17	6	-6	-17	-19
311	106	38	5	-6	-16	-20
312	106	59	5	-6	-18	-20
313	107	20	4	-8	-18	-20
314	107	41	3	-8	-18	-20
315	108	2	3	-8	-18	-19
316	108	23	3	-9	-18	-19
317	108	44	2	-10	-18	-20
318	109	5	1	-11	-18	-18
319	109	26	0	-11	-19	-20
320	109	47	0	-11	-19	-19
321	110	8	0	-12	-19	-20
322	110	29	-0	-12	-20	-20
323	110	50	-2	-13	-20	-20
324	111	11	-2	-13	-20	-20
325	111	32	-3	-14	-20	-20
326	111	52	-4	-15	-21	-19
327	112	13	-4	-14	-21	-20
328	112	34	-4	-14	-21	-20
329	112	55	-6	-16	-21	-20
330	113	16	-5	-16	-22	-21
331	113	37	-6	-16	-21	-20
332	113	58	-6	-16	-22	-20
333	114	18	-6	-15	-22	-20
334	114	39	-7	-16	-20	-20
335	115	0	-7	-16	-20	-20
336	115	21	-8	-15	-21	-20
337	115	42	-8	-16	-21	-20
338	116	2	-8	-15	-20	-21
339	116	23	-9	-14	-21	-21
340	116	44	-9	-15	-21	-19
341	117	5	-10	-15	-21	-21
342	117	25	-10	-15	-21	-20
343	117	46	-9	-15	-21	-20
344	118	7	-10	-15	-22	-21
345	118	28	-10	-15	-22	-19
346	118	48	-10	-16	-22	-21

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
347	119	9	-11	-16	-22	-20
348	119	30	-12	-15	-22	-21
349	119	50	-12	-16	-23	-21
350	120	11	-12	-16	-23	-20
351	120	32	-12	-16	-23	-21
352	120	52	-12	-16	-23	-21
353	121	13	-12	-16	-24	-20
354	121	33	-12	-17	-23	-21
355	121	54	-13	-17	-23	-20
356	122	15	-14	-18	-24	-20
357	122	35	-14	-18	-24	-21
358	122	56	-13	-18	-23	-20
359	123	16	-13	-17	-23	-20
360	123	37	-13	-18	-23	-20
361	123	57	-14	-18	-23	-20
362	124	18	-14	-18	-23	-20
363	124	38	-14	-18	-23	-20
364	124	59	-14	-18	-24	-20
365	125	19	-15	-19	-24	-21
366	125	40	-15	-19	-24	-20
367	126	0	-15	-19	-24	-20
368	126	21	-15	-19	-24	-21
369	126	41	-15	-19	-24	-21
370	127	2	-15	-19	-24	-21
371	127	22	-14	-19	-24	-20
372	127	43	-15	-20	-24	-21
373	128	3	-15	-22	-25	-20
374	128	23	-14	-22	-24	-20
375	128	44	-15	-24	-25	-20
376	129	4	-15	-24	-26	-20
377	129	25	-16	-25	-26	-21
378	129	45	-16	-26	-26	-20
379	130	5	-16	-26	-26	-21
380	130	26	-16	-26	-27	-21
381	130	46	-17	-26	-28	-20
382	131	6	-17	-27	-27	-21
383	131	27	-17	-27	-28	-21
384	131	47	-17	-27	-28	-21
385	132	7	-17	-27	-27	-20
386	132	28	-17	-26	-28	-20
387	132	48	-17	-27	-28	-20
388	133	8	-16	-27	-28	-20
389	133	29	-17	-27	-27	-20
390	133	49	-18	-28	-28	-20
391	134	9	-18	-28	-28	-20
392	134	29	-18	-29	-28	-21
393	134	50	-18	-29	-29	-21
394	135	10	-18	-29	-29	-21
395	135	30	-18	-29	-29	-21
396	135	51	-18	-29	-28	-21

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
397	136	11	-18	-30	-29	-21
398	136	31	-18	-30	-30	-22
399	136	51	-19	-30	-30	-21
400	137	12	-19	-31	-30	-21
401	137	32	-19	-31	-30	-21
402	137	52	-19	-31	-30	-22
403	138	12	-19	-30	-30	-21
404	138	33	-19	-31	-30	-21
405	138	53	-19	-32	-30	-22
406	139	13	-20	-32	-31	-22
407	139	33	-20	-31	-31	-21
408	139	53	-20	-32	-32	-22
409	140	14	-19	-32	-31	-22
410	140	34	-19	-31	-31	-22
411	140	54	-20	-32	-31	-21
412	141	14	-20	-31	-30	-21
413	141	34	-20	-31	-31	-22
414	141	55	-20	-31	-31	-22
415	142	15	-20	-31	-31	-22
416	142	35	-20	-31	-30	-22
417	142	55	-20	-31	-31	-22
418	143	15	-21	-32	-31	-22
419	143	35	-20	-32	-32	-22
420	143	56	-20	-32	-31	-22
421	144	16	-20	-32	-31	-22
422	144	36	-21	-32	-31	-23
423	144	56	-21	-33	-32	-22
424	145	16	-21	-32	-32	-23
425	145	36	-21	-33	-32	-22
426	145	56	-21	-33	-32	-23
427	146	16	-22	-32	-32	-23
428	146	36	-22	-32	-32	-23
429	146	57	-22	-33	-32	-23
[illegible]	147	17	-23	-32	-32	-23
431	147	37	-23	-32	-32	-23
432	147	57	-23	-32	-32	-23
433	148	17	-24	-32	-32	-23
434	148	37	-24	-32	-32	-23
435	148	57	-23	-32	-32	-23
436	149	17	-23	-33	-32	-23
437	149	37	-24	-32	-33	-23
438	149	58	-23	-32	-33	-23
439	150	18	-23	-33	-33	-24
440	150	38	-23	-32	-32	-23
441	150	58	-23	-32	-32	-23
442	151	18	-22	-32	-32	-22
443	151	38	-23	-33	-32	-23
444	151	58	-23	-33	-33	-23
445	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LHR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1 0
1	0	9	-52	-52	-52	-52	-53	
2	0	29	-52	-51	-51	-51	-52	
3	0	49	-51	-52	-52	-51	-52	
4	1	9	-52	-51	-51	-51	-52	
5	1	29	-52	-52	-52	-51	-53	
6	1	49	-52	-52	-52	-51	-53	
7	2	9	-52	-52	-52	-52	-52	
8	2	29	-52	-52	-52	-51	-53	
9	2	49	-52	-52	-52	-51	-52	
10	3	9	-51	-52	-52	-52	-53	
11	3	29	-52	-52	-52	-52	-52	
12	3	49	-52	-52	-52	-51	-53	
13	4	9	-52	-52	-52	-52	-52	
14	4	29	-52	-52	-52	-52	-53	
15	4	49	-52	-52	-52	-52	-53	
16	5	9	-52	-52	-52	-52	-53	
17	5	29	-52	-52	-52	-52	-53	
18	5	49	-52	-52	-52	-52	-53	
19	6	9	-52	-52	-52	-51	-53	
20	6	29	-52	-51	-52	-50	-52	
21	6	49	-51	-50	-51	-50	-53	
22	7	9	-52	-51	-52	-50	-52	
23	7	29	-52	-51	-52	-50	-52	
24	7	49	-52	-50	-51	-50	-52	
25	8	9	-51	-50	-52	-50	-52	
26	8	29	-51	-50	-52	-50	-52	
27	8	49	-52	-50	-52	-50	-52	
28	9	12	-51	-50	-51	-50	-52	
29	9	32	-51	-50	-50	-49	-53	
30	9	52	-51	-50	-51	-49	-52	
31	10	12	-50	-49	-51	-49	-52	
32	10	32	-49	-48	-50	-49	-52	
33	10	52	-50	-49	-50	-49	-52	
34	11	12	-50	-49	-51	-49	-52	
35	11	31	-50	-49	-51	-49	-52	
36	11	51	-50	-49	-51	-49	-53	
37	15	29	-50	-49	-50	-49	-52	
38	15	49	-50	-49	-50	-49	-52	
39	16	9	-50	-50	-50	-49	-52	
40	16	29	-50	-49	-50	-50	-52	
41	16	49	-50	-49	-51	-49	-52	
42	17	9	-50	-49	-50	-49	-53	
43	17	29	-50	-49	-50	-49	-53	
44	17	49	-50	-50	-50	-49	-52	
45	18	9	-49	-49	-50	-49	-5	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

4-06 O-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
-52	-52	-52	-53	-54	-54	-54	-52	-54
-51	-51	-51	-52	-54	-53	-54	-53	-53
-52	-52	-51	-52	-54	-54	-54	-52	-54
-51	-51	-51	-52	-54	-53	-54	-53	-53
-52	-52	-51	-53	-54	-53	-54	-52	-54
-52	-52	-51	-53	-54	-53	-54	-52	-54
-52	-52	-52	-52	-54	-53	-54	-53	-54
-52	-52	-51	-53	-54	-53	-54	-52	-54
-52	-52	-51	-52	-54	-54	-54	-52	-54
-52	-52	-52	-53	-54	-53	-54	-53	-54
-52	-52	-52	-52	-54	-54	-54	-53	-54
-52	-52	-51	-53	-54	-53	-54	-53	-54
-52	-52	-52	-52	-54	-54	-54	-53	-54
-52	-52	-52	-53	-54	-53	-54	-53	-54
-52	-52	-52	-53	-55	-54	-54	-52	-54
-52	-52	-52	-53	-54	-53	-54	-53	-54
-52	-52	-52	-53	-54	-53	-54	-53	-54
-52	-52	-52	-53	-54	-53	-54	-53	-54
-52	-52	-51	-53	-54	-53	-54	-52	-53
-51	-52	-50	-52	-54	-53	-54	-53	-53
-50	-51	-50	-53	-54	-53	-54	-53	-53
-51	-52	-50	-52	-54	-53	-54	-52	-54
-51	-52	-50	-52	-54	-54	-54	-52	-53
-50	-51	-50	-52	-55	-53	-54	-52	-54
-50	-52	-50	-52	-54	-53	-54	-52	-54
-50	-52	-50	-52	-54	-53	-54	-53	-54
-50	-52	-50	-52	-54	-53	-54	-52	-54
-50	-51	-50	-52	-54	-53	-54	-54	-54
-50	-50	-49	-53	-54	-54	-54	-52	-53
-50	-51	-49	-52	-54	-53	-54	-53	-53
-49	-51	-49	-52	-54	-53	-53	-52	-53
-48	-50	-49	-52	-54	-52	-54	-53	-54
-49	-50	-49	-52	-54	-53	-54	-52	-54
-49	-51	-49	-52	-54	-53	-54	-53	-54
-49	-51	-49	-52	-54	-54	-54	-52	-53
-49	-51	-49	-53	-54	-53	-54	-53	-53
-49	-50	-49	-52	-54	-53	-53	-52	-54
-49	-50	-49	-52	-54	-52	-54	-52	-53
-50	-50	-49	-52	-54	-53	-54	-52	-53
-49	-50	-50	-52	-54	-53	-53	-52	-54
-49	-51	-49	-52	-54	-52	-54	-52	-53
-49	-50	-49	-53	-54	-53	-54	-53	-53
-49	-50	-49	-53	-54	-53	-54	-52	-53
-50	-50	-49	-52	-54	-52	-54	-53	-53
-49	-50	-49	-[illegible]	-54	-52	-54	-53	-53

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
46	18	29	-50	-49	-50	-49	-52
47	18	49	-50	-49	-50	-49	-52
48	19	9	-50	-49	-50	-49	-53
50	19	32	-49	-48	-50	-48	-52
51	19	52	-49	-48	-50	-48	-52
52	20	12	-49	-48	-49	-48	-52
53	20	32	-49	-48	-49	-48	-52
54	20	52	-49	-48	-50	-48	-52
55	21	12	-49	-48	-49	-48	-52
56	21	32	-49	-48	-49	-48	-52
57	21	52	-49	-48	-49	-48	-52
58	22	12	-49	-48	-49	-48	-51
59	22	32	-48	-48	-49	-47	-52
60	22	52	-49	-48	-49	-48	-51
61	23	12	-49	-48	-49	-48	-52
62	23	32	-49	-48	-50	-48	-52
63	23	52	-50	-48	-50	-48	-52
64	24	12	-49	-48	-50	-48	-52
65	24	27	-49	-48	-49	-48	-53
66	24	38	-50	-49	-49	-48	-52
67	24	58	-49	-49	-49	-48	-52
68	25	18	-49	-49	-49	-48	-52
69	25	38	-49	-48	-49	-48	-51
70	25	58	-49	-48	-49	-48	-52
71	26	18	-49	-48	-49	-48	-52
72	26	38	-50	-48	-49	-47	-51
73	26	58	-49	-48	-49	-48	-52
74	27	18	-50	-48	-49	-48	-52
75	27	38	-49	-48	-49	-48	-51
76	27	58	-49	-48	-49	-48	-52
77	28	18	-49	-48	-49	-48	-51
78	28	38	-50	-49	-49	-48	-52
79	28	58	-49	-48	-49	-48	-52
80	29	18	-49	-48	-49	-48	-51
81	29	38	-50	-48	-49	-47	-51
82	29	58	-50	-48	-49	-48	-52
83	30	18	-50	-48	-48	-48	-52
84	30	38	-49	-48	-50	-48	-52
85	30	58	-49	-48	-49	-48	-52
86	31	18	-49	-48	-50	-48	-52
87	31	38	-49	-48	-51	-47	-52
88	31	57	-50	-49	-48	-48	-52
89	32	19	-49	-49	-49	-48	-51
90	32	39	-50	-48	-48	-49	-52
91	32	59	-50	-48	-50	-48	-52
92	16	39	-50	-49	-48	-48	-51
93	33	39	-49	-48	-50	-48	-52
94	33	59	-48	-49	-50	-48	-51
95	34	19	-49	-48	-48	-48	-52
96	34	39	-49	-48	-48	-48	-51

4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
-49	-50	-49	-52	-53	-52	-54	-53	-53
-49	-50	-49	-52	-54	-53	-54	-53	-53
-49	-50	-49	-53	-53	-53	-54	-52	-54
-48	-50	-48	-52	-53	-52	-52	-53	-49
-48	-50	-48	-52	-52	-52	-53	-52	-49
-48	-49	-48	-52	-53	-52	-52	-53	-49
-48	-49	-48	-52	-53	-53	-52	-52	-49
-48	-50	-48	-52	-53	-53	-52	-52	-49
-48	-49	-48	-52	-54	-52	-52	-52	-49
-48	-49	-48	-52	-53	-52	-52	-52	-49
-48	-49	-48	-52	-53	-52	-52	-52	-48
-48	-49	-48	-51	-53	-52	-53	-52	-48
-48	-49	-47	-52	-53	-52	-52	-52	-49
-48	-49	-48	-51	-53	-52	-52	-52	-49
-48	-49	-48	-52	-54	-53	-53	-52	-49
-48	-50	-48	-52	-53	-52	-52	-52	-49
-48	-50	-48	-52	-53	-52	-52	-52	-49
-48	-50	-48	-52	-54	-53	-53	-52	-50
-48	-49	-48	-53	-52	-52	-51	-51	-51
-49	-49	-48	-52	-53	-52	-52	-51	-48
-49	-49	-48	-52	-53	-52	-52	-52	-47
-49	-49	-48	-52	-53	-52	-52	-52	-48
-48	-49	-48	-51	-53	-52	-52	-52	-48
-48	-49	-48	-52	-53	-52	-52	-52	-48
-48	-49	-47	-51	-52	-52	-51	-52	-48
-48	-49	-48	-52	-53	-52	-52	-52	-48
-48	-49	-48	-52	-53	-52	-52	-52	-48
-48	-49	-48	-51	-53	-52	-52	-52	-48
-48	-49	-48	-52	-53	-52	-52	-52	-48
-48	-49	-48	-51	-53	-52	-52	-52	-48
-49	-49	-48	-52	-53	-52	-52	-52	-47
-48	-49	-48	-52	-53	-52	-52	-52	-47
-48	-49	-47	-51	-53	-52	-45	-51	-48
-48	-49	-48	-52	-54	-53	-37	-50	-48
-48	-48	-48	-52	-54	-53	-35	-49	-48
-48	-50	-48	-52	-52	-52	-31	-38	-48
-48	-49	-48	-52	-53	-52	-31	-30	-47
-48	-50	-48	-52	-54	-52	-30	-24	-48
-48	-51	-47	-52	-53	-52	-30	-20	-48
-49	-48	-48	-52	-53	-52	-28	-14	-48
-49	-49	-48	-51	-53	-53	-24	-8	-48
-48	-48	-49	-52	-52	-52	-20	-4	-47
-48	-50	-48	-52	-53	-52	-18	-0	-48
-49	-48	-48	-51	-53	-52	-18	2	-48
-48	-50	-48	-52	-52	-52	-14	4	-48
-49	-50	-48	-51	-52	-52	-12	7	-48
-48	-48	-48	-52	-53	-52	-10	8	-47
-48	-48	-48	-51	-52	-51	-7	11	-48

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
97	34	59	-50	-48	-49	-48	-51
98	35	19	-50	-49	-48	-48	-50
99	35	39	-49	-48	-48	-49	-50
100	35	59	-49	-49	-48	-48	-51
101	36	19	-49	-49	-48	-48	-50
102	36	39	-49	-48	-48	-49	-50
103	36	59	-49	-48	-50	-48	-50
104	37	19	-49	-49	-48	-48	-50
105	37	39	-49	-48	-48	-48	-50
106	37	59	-49	-48	-50	-47	-50
107	38	19	-49	-48	-48	-48	-50
108	38	39	-50	-48	-48	-48	-49
109	38	59	-49	-48	-48	-48	-49
110	39	19	-48	-47	-51	-47	-50
111	39	39	-49	-48	-49	-47	-49
112	39	59	-49	-48	-47	-48	-49
113	40	19	-49	-48	-48	-47	-48
114	40	39	-48	-46	-50	-46	-48
115	40	59	-48	-46	-48	-46	-48
116	41	19	-48	-46	-50	-46	-48
117	41	39	-48	-46	-50	-46	-48
118	41	59	-48	-47	-49	-46	-48
119	42	19	-48	-47	-48	-47	-48
120	42	39	-49	-46	-49	-47	-48
121	42	59	-48	-47	-49	-45	-47
122	43	19	-47	-47	-49	-42	-48
123	43	39	-46	-41	-48	-47	-47
124	43	59	-46	-38	-47	-47	-47
125	44	19	-44	-37	-47	-49	-47
126	44	39	-43	-35	-49	-45	-46
127	44	59	-42	-32	-48	-46	-47
128	45	19	-42	-29	-48	-46	-46
129	45	39	-41	-25	-47	-48	-46
130	45	59	-39	-23	-48	-46	-46
131	46	19	-39	-22	-49	-46	-46
132	46	39	-38	-21	-49	-44	-46
133	46	39	-37	-18	-49	-45	-46
134	47	18	-35	-18	-50	-42	-46
135	47	38	-36	-16	-47	-46	-46
136	47	58	-35	-15	-48	-45	-44
137	48	18	-36	-15	-49	-45	-45
138	48	38	-34	-13	-48	-44	-44
139	48	58	-34	-13	-47	-46	-44
140	49	18	-35	-15	-49	-44	-44
141	49	38	-34	-12	-48	-45	-44
142	49	58	-35	-13	-46	-45	-44
143	50	18	-34	-12	-49	-44	-44
144	50	38	-33	-8	-48	-46	-44
145	50	58	-33	-11	-47	-44	-44
146	51	18	-24	-8	-44	-38	-43

4-06 -PLT NDSHD NSIDE UPPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
-48	-49	-48	-51	-53	-52	-2	12	-47
-49	-48	-48	-50	-52	-51	1	14	-48
-48	-48	-49	-50	-52	-51	2	16	-47
-49	-48	-48	-51	-52	-51	4	17	-47
-49	-48	-48	-50	-52	-51	6	19	-47
-48	-48	-49	-50	-52	-51	8	19	-47
-48	-50	-48	-50	-52	-51	9	21	-47
-49	-48	-48	-50	-51	-50	11	22	-46
-48	-48	-48	-50	-51	-50	11	23	-48
-48	-50	-47	-50	-51	-50	13	24	-47
-48	-48	-48	-50	-50	-50	14	24	-47
-48	-48	-48	-49	-51	-50	15	28	-47
-48	-48	-48	-49	-51	-50	16	28	-47
-47	-51	-47	-50	-50	-50	17	29	-46
-48	-49	-47	-49	-50	-50	18	29	-46
-48	-47	-48	-49	-50	-50	18	31	-46
-48	-48	-47	-48	-50	-50	18	31	-45
-46	-50	-46	-48	-50	-49	19	31	-45
-46	-48	-46	-48	-49	-49	21	32	-45
-46	-50	-46	-48	-49	-49	22	34	-45
-46	-50	-46	-48	-49	-49	19	32	-45
-47	-49	-46	-48	-49	-48	20	32	-44
-47	-48	-47	-46	-49	-50	20	33	-44
-46	-49	-47	-48	-49	-49	22	34	-44
-47	-49	-45	-47	-48	-49	24	34	-43
-47	-49	-42	-48	-48	-49	21	34	-40
-41	-48	-47	-47	-50	-49	18	33	-38
-38	-47	-47	-47	-48	-48	15	32	-38
-37	-47	-49	-47	-48	-49	14	29	-34
-35	-49	-45	-46	-48	-49	14	27	-30
-32	-48	-46	-47	-48	-48	14	29	-30
-29	-48	-46	-46	-48	-48	19	29	-30
-25	-47	-48	-46	-48	-48	22	32	-29
-23	-48	-46	-46	-47	-47	23	33	-29
-22	-49	-46	-46	-48	-48	25	35	-28
-21	-49	-44	-46	-48	-48	26	36	-28
-18	-49	-45	-46	-48	-48	27	38	-28
-18	-50	-42	-46	-47	-47	29	38	-27
-16	-47	-46	-46	-47	-48	30	40	-27
-15	-48	-45	-44	-46	-47	31	40	-28
-15	-49	-45	-45	-47	-47	31	41	-28
-13	-43	-44	-44	-46	-47	33	41	-28
-13	-47	-46	-44	-47	-46	33	42	-27
-15	-49	-44	-44	-46	-46	34	43	-27
-12	-48	-45	-44	-46	-46	35	44	-28
-13	-46	-45	-44	-46	-47	36	44	-28
-12	-49	-44	-44	-46	-46	36	45	-27
-8	-48	-46	-44	-46	-47	37	45	-28
-11	-47	-44	-44	-45	-46	37	45	-28
-8	-44	-38	-43	-45	-46	38	46	-28

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1S OU D
147	51	38	-20	-5	-37	-34	-44	
148	51	58	-18	-5	-37	-32	-43	
149	52	18	-15	1	-36	-34	-43	
150	52	38	-14	1	-36	-29	-43	
151	52	58	-12	3	-35	-26	-42	
152	53	18	-11	3	-30	-24	-42	
153	53	38	-10	5	-32	-25	-42	
154	53	58	-8	7	-27	-20	-42	
155	54	18	-8	8	-30	-20	-41	
156	54	38	-8	9	-28	-20	-42	
157	54	58	-8	10	-30	-14	-42	
158	55	18	-5	17	-28	-19	-42	
159	55	38	-4	16	-28	-15	-41	
160	55	58	-3	17	-29	-14	-41	
161	56	18	-4	18	-30	-14	-40	
162	56	38	-8	12	-30	-17	-40	
163	56	58	-9	9	-31	-19	-40	
164	57	17	-8	10	-32	-18	-40	
165	57	37	-6	11	-28	-18	-40	
166	57	57	-6	13	-28	-18	-40	
167	58	17	-5	14	-30	-16	-40	
168	58	37	-6	14	-29	-16	-40	
169	58	57	-3	17	-27	-18	-39	
170	59	17	-4	15	-26	-16	-40	
171	59	37	-5	15	-25	-19	-40	
172	59	57	-1	19	-24	-17	-40	
173	60	17	-1	18	-24	-17	-40	
174	60	37	-3	17	-24	-16	-40	
175	60	57	-3	16	-25	-8	-40	
176	61	17	-2	17	-24	-11	-39	
177	61	37	-2	17	-22	-11	-39	
178	61	57	-2	16	-22	-10	-39	
179	62	17	-2	16	-21	-11	-38	
180	62	37	-2	17	-22	-10	-39	
181	62	57	-2	16	-21	-10	-38	
182	63	17	-2	16	-19	-8	-38	
183	63	37	-1	17	-20	-9	-38	
184	63	57	-2	17	-18	-8	-38	
185	64	17	-2	18	-17	-8	-38	
186	64	37	0	18	-16	-8	-38	
187	64	57	1	14	-15	-6	-40	
188	65	16	4	16	-21	-4	-34	
189	65	36	-1	17	-18	-4	-38	
190	65	56	-1	21	-16	-7	-38	
191	66	16	-2	17	-17	-5	-37	
192	66	36	-2	17	-17	-4	-37	
193	66	56	-1	18	-16	-4	-37	
194	67	16	-1	16	-18	-5	-36	
195	67	36	0	18	-15	-4	-37	
196	67	56	0	17	-18	-4	-36	

-06	4-07	4-08	4-09	4-10	4-11	4-12	4-14	4-15
PLT	CENTER	CENTER	1STAGE	1STAGE	1STAGE	2STAGE	2STAGE	2STAGE
SHD	PANEL	PANEL	PUMP	PUMP	AFT	PUMP	AFT	AFCS 1
IDE	WNDSHD	WNDSHD	INLET	OUTLET	SERVO	INLET	SERVO	(COLL.
PER	INSIDE	INSIDE	HYD.	HYD.	HYD IN	HYD.	HYD IN	/YAW
H	LWR C	UPR C	TEMP	TEMP	TEMP	TEMP	TEMP	CHAN)
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
-5	-37	-34	-44	-46	-46	39	48	-27
-5	-37	-32	-43	-45	-46	39	48	-28
1	-36	-34	-43	-45	-45	39	48	-28
1	-36	-29	-43	-45	-45	41	50	-28
3	-35	-26	-42	-44	-45	36	48	-28
3	-30	-24	-42	-44	-46	37	47	-28
5	-32	-25	-42	-44	-45	39	48	-28
7	-27	-20	-42	-44	-44	41	48	-28
8	-30	-20	-41	-44	-45	40	50	-28
9	-28	-20	-42	-44	-44	36	47	-28
10	-30	-14	-42	-44	-44	37	46	-28
11	-28	-19	-42	-44	-44	37	47	-29
16	-28	-15	-41	-44	-44	40	47	-29
17	-29	-14	-41	-44	-44	41	48	-28
18	-30	-14	-40	-43	-43	42	49	-28
12	-30	-17	-40	-42	-44	42	49	-29
9	-31	-19	-40	-42	-43	42	50	-28
10	-32	-18	-40	-43	-44	39	49	-28
11	-28	-18	-40	-42	-43	38	49	-29
13	-26	-18	-40	-42	-43	41	49	-28
14	-30	-16	-40	-42	-42	42	49	-28
14	-29	-16	-40	-42	-43	44	51	-28
17	-27	-18	-39	-42	-43	44	52	-28
15	-26	-16	-40	-42	-42	45	52	-28
15	-25	-19	-40	-42	-42	45	52	-28
19	-24	-17	-40	-42	-42	46	53	-28
18	-24	-17	-40	-42	-42	41	50	-29
17	-24	-16	-40	-40	-42	41	48	-26
16	-25	-8	-40	-40	-42	34	48	-24
17	-24	-11	-39	-40	-41	31	44	-20
17	-22	-11	-39	-40	-41	30	41	-16
16	-22	-10	-39	-40	-41	28	39	-12
15	-21	-11	-38	-40	-40	28	39	-6
17	-22	-10	-39	-40	-41	27	38	-3
16	-21	-10	-38	-40	-40	26	37	1
16	-19	-8	-38	-40	-40	25	36	6
17	-20	-9	-38	-39	-40	25	35	8
17	-18	-8	-38	-39	-40	23	35	11
18	-17	-8	-38	-39	-40	23	34	13
18	-16	-6	-39	-40	-40	23	34	16
14	-15	-6	-40	-39	-40	25	34	17
16	-21	-4	-34	-39	-40	23	35	19
17	-18	-4	-38	-40	-39	23	34	20
11	-16	-7	-38	-39	-40	23	34	22
17	-17	-5	-37	-39	-39	24	34	23
17	-17	-4	-37	-38	-39	24	34	24
18	-16	-4	-37	-38	-39	24	34	25
16	-18	-5	-36	-39	-39	24	34	25
18	-15	-4	-37	-39	-38	24	34	26
17	-18	-4	-36	-38	-38	25	34	26

2

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
197	68	16	0	17	-17	-4	-36
198	68	36	-1	17	-18	-2	-37
199	68	56	0	18	-18	-2	-36
200	69	16	1	21	-16	-4	-36
201	69	36	0	18	-18	-1	-36
202	69	56	0	18	-16	-2	-36
203	70	16	0	18	-17	-1	-35
204	70	36	0	18	-16	-1	-34
205	70	56	0	19	-14	-1	-34
206	71	16	0	19	-17	-1	-34
207	71	36	0	19	-16	-4	-34
208	71	56	-1	14	-14	-4	-34
209	72	16	-0	13	-15	-6	-34
210	72	36	-2	12	-18	-6	-34
211	72	56	-2	12	-15	-8	-34
212	73	16	-2	11	-16	-9	-34
213	73	35	-2	12	-17	-10	-33
214	73	55	-4	7	-17	-9	-33
215	74	15	-4	5	-15	-10	-33
216	74	35	-3	6	-15	-10	-32
217	74	55	-2	7	-14	-10	-32
218	75	15	0	9	-16	-9	-32
219	75	35	3	11	-14	-9	-32
220	75	55	3	11	-16	-8	-32
221	76	15	4	11	-16	-8	-32
222	76	35	5	11	-16	-8	-32
223	76	55	7	13	-15	-8	-32
224	77	15	9	15	-12	-7	-32
225	77	35	10	15	-12	-5	-31
226	77	55	11	14	-12	-0	-31
227	78	15	14	16	-8	-5	-30
228	78	35	14	18	-9	-3	-31
229	78	55	14	18	-12	-2	-30
230	79	15	15	19	-10	-2	-30
231	79	35	18	23	-10	-1	-29
232	79	54	20	24	-8	0	-28
233	80	14	22	24	-7	0	-28
234	80	34	21	24	-7	1	-26
235	80	54	21	24	-4	1	-24
236	81	14	23	26	-3	1	-20
237	81	34	24	27	-1	2	-20
238	81	54	26	28	-5	4	-18
239	82	14	27	29	-2	5	-16
240	82	34	27	28	-0	4	-16
241	82	54	27	28	-3	5	-17
242	83	14	27	31	-2	5	-16
243	83	34	27	29	-3	6	-14
244	83	54	29	34	-0	3	-13
245	84	14	29	30	-2	7	-13
246	84	34	28	31	-2	6	-12

4-06 PLT DSHD SIDE PER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
17	-17	-4	-36	-38	-38	25	35	27
17	-18	-2	-37	-38	-38	25	34	28
18	-18	-2	-36	-37	-37	25	34	28
21	-16	-4	-36	-37	-37	25	34	28
18	-18	-1	-36	-37	-37	26	34	29
18	-16	-2	-36	-37	-36	27	34	29
18	-17	-1	-35	-37	-36	27	36	29
18	-16	-1	-34	-36	-36	27	36	29
19	-14	-1	-34	-36	-36	27	36	31
19	-17	-1	-34	-35	-36	28	36	30
19	-16	-4	-34	-36	-36	28	36	31
14	-14	-4	-34	-36	-36	28	36	31
13	-15	-6	-34	-36	-35	29	36	32
12	-18	-6	-34	-34	-35	30	37	32
12	-15	-8	-34	-36	-36	29	37	33
11	-16	-9	-34	-35	-35	30	37	33
12	-17	-10	-33	-34	-35	30	38	34
7	-17	-9	-33	-34	-34	31	38	34
5	-15	-10	-33	-34	-33	31	38	34
6	-15	-10	-32	-34	-33	31	38	35
7	-14	-10	-32	-35	-34	32	39	34
9	-16	-9	-32	-34	-33	32	39	35
11	-14	-9	-32	-34	-33	32	39	35
11	-16	-8	-32	-34	-32	33	39	36
11	-16	-8	-32	-33	-32	33	39	36
11	-16	-8	-32	-33	-32	33	41	36
13	-15	-8	-32	-33	-32	33	41	37
15	-12	-7	-32	-33	-32	34	41	38
15	-12	-5	-31	-33	-31	34	41	37
14	-12	-0	-31	-32	-32	35	42	38
16	-8	-5	-30	-32	-30	36	42	39
16	-9	-3	-31	-33	-30	36	42	39
18	-12	-2	-30	-32	-31	36	43	39
19	-10	-2	-30	-32	-29	36	43	40
23	-10	-1	-29	-32	-28	36	43	40
24	-8	0	-28	-29	-29	37	44	41
24	-7	0	-28	-27	-29	37	44	41
24	-7	1	-26	-24	-28	37	44	41
24	-4	1	-24	-21	-29	38	44	41
26	-3	1	-20	-18	-29	37	44	42
27	-1	2	-20	-16	-29	38	44	42
28	-5	4	-18	-15	-29	38	45	42
29	-2	5	-16	-13	-29	38	43	41
28	-0	4	-16	-12	-29	36	44	41
28	-3	5	-17	-12	-30	37	44	42
31	-2	5	-16	-11	-30	38	44	42
29	-3	6	-14	-8	-30	37	43	43
30	-0	3	-13	-7	-31	37	41	43
30	-2	7	-13	-8	-31	36	40	41
31	-2	6	-12	-1	-32	35	39	41

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
247	84	54	31	32	1	4	-11
248	85	14	31	33	2	7	-11
249	85	34	33	35	2	7	-10
250	85	54	32	33	1	9	-10
251	86	14	31	33	3	8	-8
252	86	34	33	31	2	9	-6
253	86	54	33	36	5	9	-4
254	87	14	35	36	3	9	-4
255	87	34	35	35	3	9	-3
256	87	54	36	36	5	11	-3
257	88	14	36	36	3	11	-3
258	88	34	36	36	3	12	-2
259	88	54	38	38	4	12	-1
260	89	14	36	36	5	13	2
261	89	34	37	38	6	13	2
262	89	54	36	34	5	9	5
263	90	15	38	38	8	15	6
264	90	35	38	38	4	13	4
265	90	55	38	38	7	9	4
266	91	15	35	37	5	13	3
267	91	35	33	36	2	14	4
268	91	55	33	39	4	12	4
269	92	15	31	35	2	14	4
270	92	36	31	36	2	14	5
271	92	56	31	39	2	13	5
272	93	16	30	35	0	13	5
273	93	36	30	34	1	12	4
274	93	57	29	34	1	12	4
275	94	17	30	35	-0	13	4
276	94	37	29	34	-2	11	2
277	94	58	27	33	0	8	6
278	95	18	28	33	0	14	5
279	95	38	29	34	0	14	4
280	95	59	27	33	0	12	3
281	96	19	28	33	0	13	2
282	96	40	27	36	0	11	1
283	97	0	26	33	0	9	1
284	97	21	27	34	-3	13	1
285	97	41	27	33	-2	12	3
286	98	2	27	33	-0	12	4
287	98	22	27	33	0	12	6
288	98	43	27	36	-3	17	6
289	99	3	27	33	-0	16	5
290	99	24	27	34	-4	9	7
291	99	44	27	33	-3	12	8
292	100	5	27	34	-1	12	7
293	100	26	27	34	0	12	8
294	100	47	28	31	-1	12	7
295	101	7	26	30	-0	15	5
296	101	28	25	37	-4	9	5

-06 PLT SHD IDE PER R H G.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
32	1	4	-11	3	-33	34	37	41
33	2	7	-11	6	-33	34	37	40
35	2	7	-10	8	-34	33	36	40
33	1	9	-10	9	-34	32	35	39
33	3	8	-8	11	-34	32	35	39
31	2	9	-6	12	-34	32	34	39
36	5	9	-4	12	-35	31	34	38
36	3	9	-4	13	-35	31	33	38
35	3	9	-3	14	-36	30	33	37
36	5	11	-3	15	-36	30	32	36
36	3	11	-3	15	-36	30	33	36
36	3	12	-2	18	-36	30	33	35
38	4	12	-1	19	-36	30	32	35
36	5	13	2	18	-36	29	32	35
38	6	13	2	17	-35	29	31	34
34	5	9	5	19	-35	28	32	34
38	8	15	6	21	-36	28	31	33
38	4	13	4	21	-34	28	31	33
38	7	9	4	21	-36	28	31	33
37	5	13	3	21	-35	28	31	32
36	2	14	4	20	-35	27	31	33
39	4	12	4	18	-35	28	31	32
35	2	14	4	19	-35	28	30	32
36	2	14	5	22	-34	28	31	32
39	2	13	5	24	-34	30	31	33
35	0	13	5	22	-34	28	32	32
34	1	12	4	21	-34	28	30	32
34	1	12	4	19	-34	28	29	32
35	-0	13	4	18	-35	28	30	31
34	-2	11	2	18	-35	28	29	31
33	0	8	6	22	-35	27	30	31
33	0	14	5	21	-35	27	29	31
34	0	14	4	18	-35	27	30	31
33	0	12	3	18	-35	28	29	30
33	0	13	2	17	-36	27	28	30
36	0	11	1	16	-35	28	29	31
33	0	9	1	16	-36	29	30	31
34	-3	13	1	17	-36	28	30	30
33	-2	12	3	22	-36	28	30	30
33	-0	12	4	22	-37	28	31	31
33	0	12	6	23	-36	29	30	31
38	-3	17	6	23	-36	29	31	31
33	-0	16	5	23	-35	28	31	33
34	-4	9	7	22	-35	29	30	31
33	-3	12	8	22	-34	27	31	32
34	-1	12	7	22	-34	28	31	31
34	0	12	8	22	-35	28	31	31
31	-1	12	7	20	-35	28	31	31
30	-0	15	5	22	-34	28	31	31
37	-4	9	5	22	-34	28	29	30

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1 0
297	101	49	26	34	-1	13	4	
298	102	10	25	34	-4	12	5	
299	102	30	24	35	-2	12	4	
300	102	51	24	34	-5	11	4	
301	103	12	24	33	-5	11	4	
302	103	33	*	*	*	10	3	
303	103	54	22	33	-2	13	3	
304	104	15	23	30	-3	6	5	
305	104	36	22	32	-3	7	5	
306	104	57	21	29	-3	7	5	
307	105	18	21	37	-4	11	5	
308	105	38	20	36	-3	11	6	
309	105	59	20	32	-7	8	7	
310	106	20	20	33	-4	7	7	
311	106	41	19	33	-4	7	6	
312	107	2	18	32	-4	5	5	
313	107	23	18	32	-2	5	4	
314	107	44	19	27	-3	5	4	
315	108	5	18	32	-2	8	4	
316	108	26	18	28	-4	8	4	
317	108	47	18	30	-4	6	4	
318	109	8	17	35	-6	1	5	
319	109	29	17	31	-4	3	7	
320	109	50	16	31	-3	3	5	
321	110	11	15	31	-8	3	5	
322	110	32	14	31	-7	1	5	
323	110	53	14	8	0	25	5	
324	111	14	15	33	-8	1	4	
325	111	34	14	35	-8	-2	4	
326	111	55	14	36	-8	-1	4	
327	112	16	16	26	-6	5	5	
328	112	37	15	31	-9	2	5	
329	112	58	14	30	-10	0	4	
330	113	19	14	29	-8	1	4	
331	113	40	15	29	-6	0	4	
332	114	0	14	29	-6	0	6	
333	114	21	14	30	-10	0	5	
334	114	42	13	31	-10	0	5	
335	115	3	13	35	-10	2	5	
336	115	24	12	32	-10	0	5	
337	115	44	12	31	-7	-1	7	
338	116	5	12	30	-7	-0	8	
339	116	26	12	31	-11	0	8	
340	116	47	12	29	-10	-0	9	
341	117	7	11	30	-12	-0	9	
342	117	28	12	29	-11	-0	11	
343	117	49	11	34	-10	2	11	
344	118	10	11	29	-10	-1	11	
345	118	30	12	28	-11	-6	12	
346	118	51	11	28	-11	-1	12	

4-06 -PLT DSH SIDE PPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
34	-1	13	4	22	-34	29	29	31
34	-4	12	5	23	-34	28	30	31
35	-2	12	4	24	-35	28	29	31
34	-5	11	4	23	-35	29	30	30
33	-5	11	4	23	-34	28	29	31
*	*	10	3	24	-35	29	29	31
33	-2	13	3	23	-34	29	31	32
30	-3	6	5	22	-34	28	30	31
32	-3	7	5	23	-34	29	29	32
29	-3	7	5	21	-34	28	31	32
37	-4	11	5	20	-35	28	32	31
36	-3	11	6	22	-32	28	24	31
32	-7	8	7	21	-33	27	31	30
33	-4	7	7	22	-34	27	31	30
33	-4	7	6	21	-34	27	32	30
32	-4	5	5	23	-34	28	31	31
32	-2	5	4	23	-34	28	31	31
27	-3	5	4	23	-34	28	30	31
32	-2	8	4	23	-34	29	31	31
28	-4	8	4	22	-33	29	31	30
30	-4	6	4	23	-34	28	31	32
35	-6	1	5	22	-34	28	32	32
31	-4	3	7	20	-34	28	31	33
31	-3	3	5	21	-33	28	30	31
31	-8	3	5	22	-33	29	30	32
31	-7	1	5	22	-33	29	31	32
8	0	25	5	22	-33	29	30	32
33	-8	1	4	22	-34	29	31	32
35	-8	-2	4	22	-33	29	31	32
36	-8	-1	4	22	-32	29	31	32
26	-6	5	5	22	-33	30	31	32
31	-9	2	5	22	-33	29	31	32
30	-10	0	4	22	-32	29	31	33
29	-8	1	4	22	-32	29	32	33
29	-6	0	4	22	-32	29	31	32
29	-6	0	6	22	-31	28	33	32
30	-10	0	5	22	-32	28	32	33
31	-10	0	5	23	-32	29	33	32
35	-10	2	5	24	-31	30	34	33
32	-10	0	5	24	-31	30	34	32
31	-7	-1	7	25	-31	30	34	34
30	-7	-0	8	25	-30	30	34	33
31	-11	0	8	27	-30	31	35	33
29	-10	-0	9	26	-30	31	35	33
30	-12	-0	9	27	-30	31	34	34
29	-11	-0	11	28	-28	31	35	34
34	-10	2	11	27	-29	31	35	34
29	-10	-1	11	28	-29	32	35	34
28	-11	-6	12	28	-29	31	35	34
28	-11	-1	12	28	-28	31	35	35

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1 0
347	119	12	11	25	-10	-6	12	
348	119	32	11	28	-13	-2	12	
349	119	53	11	28	-9	-3	12	
350	120	14	10	26	-9	0	14	
351	120	34	10	27	-10	-2	13	
352	120	55	10	27	-10	-4	14	
353	121	16	9	33	-12	1	13	
354	121	36	9	27	-10	-3	13	
355	121	57	9	27	-12	2	13	
356	122	17	8	27	-14	-2	13	
357	122	38	8	27	-13	-3	13	
358	122	59	8	27	-11	-3	14	
359	123	19	8	27	-10	-4	14	
360	123	40	8	25	-13	-4	13	
361	124	0	8	25	-11	-4	13	
362	124	21	7	26	-10	-3	13	
363	124	41	7	24	-11	-4	14	
364	125	2	7	24	-12	-4	14	
365	125	22	5	23	-12	-4	13	
366	125	43	5	22	-12	-4	13	
367	126	3	5	21	-11	-5	12	
368	126	24	3	20	-11	-5	12	
369	126	44	3	19	-11	-5	12	
370	127	4	3	19	-12	-4	12	
371	127	25	2	19	-13	-4	13	
372	127	45	2	17	-11	-6	14	
373	128	6	1	17	-12	-5	14	
374	128	26	2	17	-12	-5	14	
375	128	46	1	15	-12	-6	14	
376	129	7	0	15	-13	-5	15	
377	129	27	0	15	-13	-5	14	
378	129	48	0	14	-13	-6	15	
379	130	8	-1	12	-10	-6	15	
380	130	28	-1	13	-14	-6	15	
381	130	49	-1	13	-14	-6	15	
382	131	9	-2	11	-11	-7	15	
383	131	29	-2	11	-11	-7	15	
384	131	50	-2	11	-11	-6	15	
385	132	10	-2	11	-14	-6	15	
386	132	30	-3	10	-13	-6	15	
387	132	51	-3	9	-12	-7	15	
388	133	11	-3	9	-13	-6	15	
389	133	31	-2	9	-13	-7	15	
390	133	52	-4	8	-14	-7	14	
391	134	12	-4	7	-12	-8	14	
392	134	32	-4	7	-12	-7	14	
393	134	52	-6	7	-12	-8	14	
394	135	13	-6	7	-14	-6	14	
395	135	33	-6	5	-13	-8	14	
396	135	53	-6	4	-12	-8	13	

-06 FLT SHD IDE PER R H G.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
25	-10	-6	12	28	-29	31	36	34
28	-13	-2	12	29	-29	31	35	35
28	-9	-3	12	29	-28	32	35	35
26	-9	0	14	29	-28	32	35	35
27	-10	-2	13	29	-28	32	35	35
27	-10	-4	14	29	-27	32	35	36
33	-12	1	13	28	-28	32	35	36
27	-10	-3	13	28	-28	31	36	36
27	-12	2	13	29	-28	32	35	36
27	-14	-2	13	29	-28	31	34	35
27	-13	-3	13	28	-27	31	34	35
27	-11	-3	14	28	-27	31	34	35
27	-10	-4	14	29	-26	31	35	36
25	-13	-4	13	29	-27	31	34	36
25	-11	-4	13	29	-28	31	34	36
26	-10	-3	13	29	-27	31	34	35
24	-11	-4	14	27	-27	30	33	35
24	-12	-4	14	25	-26	31	35	36
23	-12	-4	13	22	-27	32	36	37
22	-12	-4	13	19	-26	33	38	37
21	-11	-5	12	18	-25	34	39	36
20	-11	-5	12	18	-24	34	41	36
19	-11	-5	12	17	-23	36	44	36
19	-12	-4	12	17	-22	38	45	35
19	-13	-4	13	17	-21	39	46	34
17	-11	-6	14	16	-20	40	48	34
17	-12	-5	14	17	-19	41	49	34
17	-12	-5	14	17	-18	43	51	34
15	-12	-6	14	16	-18	44	52	33
15	-13	-5	15	16	-17	45	53	33
15	-13	-5	14	15	-16	47	55	32
14	-13	-6	15	15	-15	48	55	31
12	-10	-6	15	15	-15	48	56	31
13	-14	-6	15	14	-14	50	57	31
13	-14	-6	15	15	-13	51	57	29
11	-11	-7	15	14	-13	52	58	29
11	-11	-7	15	15	-12	52	59	28
11	-11	-8	15	15	-11	54	60	29
11	-14	-6	15	14	-10	54	62	28
10	-13	-6	15	14	-9	56	63	29
9	-12	-7	15	15	-9	56	64	24
9	-13	-6	15	15	-8	49	62	30
9	-13	-7	15	14	-7	48	58	34
8	-14	-7	14	14	-8	48	56	35
7	-12	-8	14	13	-7	46	56	38
7	-12	-7	14	14	-7	46	55	41
7	-12	-8	14	13	-7	46	55	43
7	-14	-8	14	14	-6	46	54	45
5	-13	-8	14	12	-6	46	54	46
4	-12	-8	13	12	-6	46	55	47

2

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4 1ST P OUT H T DE
397	136	13	-6	5	-12	-9	13	
398	136	34	-7	4	-12	-9	13	
399	136	54	-7	4	-12	-9	13	
400	137	14	-7	3	-12	-9	12	
401	137	34	-7	4	-15	-8	12	
402	137	55	-8	3	-13	-9	12	
403	138	15	-8	3	-13	-10	12	
404	138	35	-8	3	-12	-10	12	
405	138	55	-9	2	-14	-9	12	
406	139	16	-9	2	-15	-9	11	
407	139	36	-9	2	-15	-9	11	
408	139	56	-9	1	-14	-10	11	
409	140	16	-10	2	-15	-9	11	
410	140	36	-9	1	-12	-10	11	
411	140	57	-9	1	-15	-9	11	
412	141	17	-8	1	-15	-9	11	
413	141	37	-10	0	-12	-10	10	
414	141	57	-10	0	-15	-10	10	
415	142	17	-10	0	-15	-10	9	
416	142	38	-10	1	-16	-10	9	
417	142	58	-11	0	-14	-10	10	
418	143	18	-11	0	-15	-10	10	
419	143	38	-12	-0	-16	-10	9	
420	143	58	-12	-1	-14	-11	9	
421	144	18	-11	-1	-14	-11	8	
422	144	38	-12	-2	-14	-11	8	
423	143	19	-11	-2	-16	-10	8	
424	145	19	-12	-2	-15	-11	8	
425	145	39	-13	-2	-16	-11	8	
426	145	59	-12	-2	-14	-11	8	
427	146	19	-12	-2	-14	-12	8	
428	146	39	-14	-3	-14	-12	7	
429	146	59	-13	-3	-15	-12	8	
430	147	19	-14	-3	-15	-12	8	
431	147	39	-14	-3	-15	-12	7	
432	147	59	-14	-3	-16	-12	7	
433	148	20	-14	-3	-16	-12	7	
434	148	40	-14	-4	-16	-11	7	
435	149	0	-14	-4	-15	-13	6	
436	149	20	-15	-4	-15	-12	6	
437	149	40	-14	-4	-16	-12	6	
438	150	0	-14	-5	-15	-12	6	
439	150	20	-14	-4	-16	-12	6	
440	150	40	-15	-5	-16	-12	6	
441	151	0	-15	-6	-16	-13	5	
442	151	21	-16	-5	-16	-13	5	
443	151	41	-16	-6	-16	-13	5	
444	152	1	-16	-6	-16	-14	5	
445	*	*	*	*	*	*	*	

-06 PLT SHD IDE PER R H G.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
5	-12	-9	13	12	-5	48	54	48
4	-12	-9	13	12	-6	48	54	49
4	-12	-9	13	12	-5	48	54	49
3	-12	-9	12	12	-5	48	55	51
4	-15	-8	12	12	-4	48	55	51
3	-13	-9	12	11	-5	48	54	51
3	-13	-10	12	11	-5	48	55	51
3	-12	-10	12	12	-4	49	55	53
2	-14	-9	12	11	-4	49	56	51
2	-15	-9	11	11	-4	48	56	50
2	-15	-9	11	11	-3	49	55	49
1	-14	-10	11	11	-4	49	56	49
2	-15	-9	11	11	-3	52	58	48
1	-12	-10	11	11	-3	55	59	48
1	-15	-9	11	11	-2	55	60	48
1	-15	-9	11	11	-2	56	61	47
0	-12	-10	10	11	-2	58	63	46
0	-15	-10	10	10	-2	58	64	45
0	-15	-10	9	10	-3	59	65	44
1	-15	-10	9	10	-2	60	65	42
0	-14	-10	10	9	-2	61	66	42
0	-15	-10	10	10	-2	61	66	41
-0	-16	-10	9	9	-2	61	68	39
-1	-14	-11	9	8	-2	62	69	39
-1	-14	-11	8	9	-1	63	69	39
-2	-14	-11	8	9	-2	64	70	38
-0	-16	-10	8	8	-1	64	71	37
-2	-15	-11	8	8	-2	65	71	38
-2	-16	-11	8	8	-2	66	72	36
-2	-14	-11	8	7	-1	66	73	35
-2	-14	-12	8	8	-2	67	73	35
-3	-14	-12	7	7	-1	68	74	34
-3	-16	-12	8	7	-1	68	73	33
-3	-15	-12	8	7	0	68	75	32
-3	-15	-12	7	7	-1	68	75	32
-3	-16	-12	7	7	-1	69	75	31
-3	-16	-12	7	7	-1	70	75	30
-4	-16	-11	7	7	-1	70	76	30
-4	-16	-13	6	7	-0	70	76	29
-4	-16	-12	6	6	-2	71	77	29
-4	-16	-12	6	6	-1	71	76	28
-5	-15	-12	6	6	-0	70	71	28
-4	-16	-12	5	5	-1	70	66	27
-5	-16	-12	6	5	-0	69	64	27
-5	-16	-13	5	6	-1	69	62	27
-6	-16	-13	5	5	-1	69	60	26
-6	-16	-13	5	5	-2	69	58	25
-6	-16	-14	5	4	-2	68	55	25
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
24 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
1	0	9	-52	-53	-54	-54	-52
2	0	29	-52	-54	-54	-54	-52
3	0	49	-52	-54	-54	-53	-52
4	1	9	-52	-54	-54	-54	-53
5	1	29	-53	-54	-54	-54	-52
6	1	49	-53	-54	-54	-54	-53
7	2	9	-52	-54	-54	-54	-52
8	2	29	-52	-54	-54	-54	-52
9	2	49	-52	-54	-54	-54	-53
10	3	9	-53	-54	-54	-54	-52
11	3	29	-53	-54	-54	-54	-53
12	3	49	-53	-54	-54	-54	-53
13	4	9	-53	-54	-54	-54	-52
14	4	29	-53	-54	-54	-54	-52
15	4	49	-53	-54	-54	-54	-53
16	5	9	-53	-54	-54	-54	-53
17	5	29	-52	-54	-54	-54	-52
18	5	49	-53	-54	-54	-54	-53
19	6	9	-52	-54	-54	-54	-53
20	6	29	-52	-54	-54	-54	-52
21	6	49	-53	-54	-54	-54	-53
22	7	9	-52	-54	-54	-54	-53
23	7	29	-52	-53	-54	-54	-53
24	7	49	-52	-54	-54	-54	-52
25	8	9	-53	-54	-54	-54	-52
26	8	29	-53	-54	-54	-54	-52
27	8	49	-53	-54	-54	-54	-52
28	9	12	-52	-54	-54	-54	-53
29	9	32	-52	-54	-54	-53	-52
30	9	52	-53	-54	-54	-54	-53
31	10	12	-53	-54	-54	-54	-51
32	10	32	-52	-54	-54	-54	-52
33	10	52	-52	-54	-54	-54	-52
34	11	12	-52	-54	-54	-54	-52
35	11	31	-52	-53	-53	-54	-51
36	11	51	-53	-54	-54	-54	-52
37	15	29	-52	-53	-53	-54	-52
38	15	49	-51	-53	-53	-53	-52
39	16	9	-52	-53	-54	-53	-52
40	16	29	-52	-54	-53	-53	-52
41	16	49	-52	-53	-54	-54	-52
42	17	9	-52	-53	-54	-54	-52
43	17	29	-52	-54	-54	-53	-52
44	17	49	-52	-53	-53	-53	-51
45	18	9	-52	-53	-54	-53	-52

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-17	4-18	4-19	4-20	4-21	4-22	4-23	4-24	4-25
IL.	UTIL.	UTIL	ROTARY	ROTARY	WINCH	WINCH	UTIL.	UTIL.
UMP	PUMP	AFCS 2	RUDDER	RUDDER	PUMP	PUMP	HEAT	HEAT
LET	OUTLET	(PITCH	1STAGE	UTIL.	SERVO	OUTLET	EXCH.	EXCH.
YD.	HYD.	/ ROLL	INLET	INLET	INLET	TEMP	INLET	OUTLET
EMP	TEMP	CHAN)	TEMP	TEMP	HYD.	HYD.	HYD.	HYD.
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
53	-54	-54	-52	-53	-54	-53	-53	-53
54	-54	-54	-52	-52	-53	-54	-53	-53
54	-54	-53	-52	-53	-54	-53	-54	-54
54	-54	-54	-53	-52	-54	-54	-54	-54
54	-54	-54	-52	-52	-54	-54	-54	-54
54	-54	-54	-53	-52	-54	-54	-54	-54
54	-54	-54	-52	-53	-54	-54	-54	-54
54	-54	-54	-52	-52	-54	-54	-54	-54
54	-54	-54	-53	-52	-54	-54	-54	-53
54	-54	-54	-52	-52	-54	-54	-54	-54
54	-54	-54	-53	-53	-54	-54	-54	-54
54	-54	-54	-53	-53	-53	-54	-54	-54
54	-54	-54	-52	-52	-54	-54	-54	-54
54	-54	-54	-52	-52	-54	-54	-54	-54
54	-54	-54	-53	-53	-54	-54	-54	-54
54	-54	-54	-53	-52	-54	-54	-54	-54
54	-54	-54	-52	-52	-54	-54	-54	-54
54	-54	-54	-53	-52	-54	-54	-54	-54
54	-54	-54	-53	-52	-54	-54	-54	-54
54	-54	-54	-52	-52	-54	-54	-54	-54
54	-54	-54	-53	-52	-54	-54	-54	-54
53	-54	-54	-52	-53	-54	-54	-53	-54
54	-54	-54	-52	-53	-54	-54	-53	-54
54	-54	-54	-52	-51	-54	-53	-54	-54
54	-54	-54	-52	-53	-54	-54	-53	-54
54	-54	-54	-53	-53	-53	-54	-54	-54
54	-54	-53	-52	-52	-54	-54	-54	-54
54	-54	-54	-53	-52	-54	-54	-54	-54
54	-54	-54	-51	-51	-53	-52	-53	-53
54	-54	-54	-52	-52	-54	-53	-53	-53
54	-54	-54	-52	-52	-54	-53	-53	-53
54	-54	-54	-52	-52	-54	-54	-54	-54
53	-53	-54	-51	-51	-53	-52	-53	-54
54	-54	-54	-52	-53	-54	-53	-54	-54
53	-53	-54	-52	-52	-53	-53	-53	-54
53	-53	-53	-52	-52	-53	-53	-54	-53
53	-54	-53	-52	-52	-54	-54	-54	-53
54	-53	-53	-52	-53	-53	-53	-53	-53
53	-54	-54	-52	-52	-54	-53	-53	-53
53	-54	-54	-52	-52	-53	-53	-53	-54
54	-54	-53	-52	-50	-54	-54	-54	-54
53	-53	-53	-51	-51	-53	-52	-54	-53
53	-54	-53	-52	-52	-54	-53	-54	-54

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	R
46	18	29	-51	-53	-54	-54	-53	R
47	18	49	-52	-53	-54	-54	-53	
48	19	9	-52	-54	-54	-54	-52	
50	19	32	-28	-52	-53	-51	-52	
51	19	52	-28	-52	-52	-51	-52	
52	20	12	-28	-52	-52	-51	-51	
53	20	32	-28	-52	-52	-51	-51	
54	20	52	-29	-52	-52	-52	-51	
55	21	12	-29	-52	-52	-52	-52	
56	21	32	-29	-52	-52	-51	-51	
57	21	52	-30	-52	-53	-51	-51	
58	22	12	-30	-52	-52	-51	-52	
59	22	32	-30	-52	-52	-51	-50	
60	22	52	-29	-52	-52	-51	-50	
61	23	12	-30	-52	-52	-52	-52	
62	23	32	-32	-52	-53	-51	-52	
63	23	52	-32	-52	-53	-52	-52	
64	24	12	-32	-52	-52	-51	-52	
65	24	27	-51	-52	-52	-52	-51	
66	24	38	-38	-52	-52	-50	-51	
67	24	58	-38	-52	-53	-50	-51	
68	25	18	-38	-52	-52	-50	-51	
69	25	38	-38	-52	-52	-50	-51	
70	25	58	-38	-52	-52	-50	-51	
71	26	18	-38	-52	-52	-50	-51	
72	26	38	-37	-52	-52	-50	-50	
73	26	58	-38	-52	-52	-50	-51	
74	27	18	-38	-52	-52	-50	-51	
75	27	38	-38	-52	-52	-50	-51	
76	27	58	-38	-52	-52	-50	-51	
77	28	18	-38	-52	-52	-50	-51	
78	28	38	-38	-52	-53	-50	-51	
79	28	58	-38	-52	-52	-50	-51	
80	29	18	-38	-52	-52	-50	-50	
81	29	38	-38	-50	-43	-50	-51	
82	29	58	-38	-49	-38	-50	-51	
83	30	18	-39	-49	-37	-50	-51	
84	30	38	-39	-50	-35	-50	-51	
85	30	58	-40	-49	-34	-50	-51	
86	31	18	-39	-49	-32	-50	-51	
87	31	38	-40	-49	-31	-50	-52	
88	31	57	-40	-50	-29	-50	-50	
89	32	19	-41	-50	-28	-50	-50	
90	32	39	-43	-48	-27	-49	-51	
91	2	59	-42	-47	-28	-49	-51	
92	16	39	-42	-24	-26	-50	-51	
93	33	39	-41	-18	-23	-50	-51	
94	33	59	-42	-15	-21	-48	-51	
95	34	19	-41	-13	-18	-49	-51	
96	34	39	-41	-12	-15	-49	-51	

925

-17 IL. UMP LET YD. EMP G.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
-53	-54	-54	-53	-52	-54	-54	-54	-54
-53	-54	-54	-53	-52	-54	-52	-54	-54
-54	-54	-54	-52	-52	-54	-54	-53	-53
-52	-53	-51	-52	-52	-53	-53	-53	-53
-52	-52	-51	-52	-51	-53	-53	-52	-53
-52	-52	-51	-51	-52	-52	-52	-52	-53
-52	-52	-51	-51	-51	-52	-52	-52	-53
-52	-52	-52	-51	-51	-52	-53	-52	-52
-52	-52	-52	-52	-51	-52	-53	-52	-53
-52	-52	-51	-51	-51	-52	-52	-52	-53
-52	-53	-51	-51	-51	-53	-53	-53	-53
-52	-52	-51	-52	-50	-53	-52	-52	-52
-52	-52	-51	-50	-51	-52	-52	-52	-53
-52	-52	-51	-50	-51	-52	-52	-52	-52
-52	-52	-52	-52	-51	-53	-53	-53	-52
-52	-53	-51	-52	-52	-52	-53	-53	-53
-52	-53	-52	-52	-52	-53	-53	-53	-53
-52	-52	-51	-52	-51	-52	-52	-52	-52
-52	-52	-52	-51	-50	-50	-51	-52	-52
-52	-52	-50	-51	-51	-53	-52	-52	-52
-52	-53	-50	-51	-51	-52	-52	-52	-52
-52	-52	-50	-51	-50	-52	-52	-52	-52
-52	-52	-50	-51	-51	-53	-52	-52	-53
-52	-52	-50	-51	-52	-52	-53	-53	-53
-52	-52	-50	-51	-51	-52	-52	-52	-53
-52	-52	-50	-50	-51	-52	-52	-52	-52
-52	-52	-50	-51	-51	-52	-52	-52	-52
-52	-52	-50	-51	-51	-52	-52	-52	-52
-52	-52	-50	-51	-51	-52	-52	-52	-53
-52	-52	-50	-51	-51	-52	-52	-52	-52
-52	-53	-50	-51	-50	-52	-53	-52	-52
-52	-52	-50	-50	-52	-52	-52	-52	-52
-52	-52	-50	-51	-51	-52	-53	-52	-52
-50	-43	-50	-51	-50	-51	-52	-47	-48
-49	-38	-50	-51	-50	-52	-52	-41	-36
-49	-37	-50	-51	-50	-52	-52	-31	-26
-50	-35	-50	-51	-50	-52	-52	-18	-23
-49	-34	-50	-51	-50	-51	-52	-9	-17
-49	-32	-50	-52	-50	-51	-52	-6	-13
-49	-31	-50	-50	-52	-50	-51	-3	-11
-50	-29	-50	-50	-50	-50	-51	-2	-7
-50	-28	-49	-51	-49	-50	-50	-1	-5
-48	-27	-49	-51	-47	-49	-50	0	-3
-47	-26	-50	-51	-46	-49	-49	0	-3
-24	-23	-50	-51	-47	-48	-48	2	-5
-18	-21	-48	-51	-47	-48	-48	4	-11
-15	-18	-49	-51	-48	-47	-47	7	-20
-13	-15	-49	-51	-46	-46	-46	10	-15
-12								

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4- ROTA RUDD UTI INL TE DEG
97	34	59	-41	-11	-14	-49	-51	-4
98	35	19	-41	-9	-10	-50	-51	-4
99	35	39	-41	-8	-8	-50	-50	-4
100	35	59	-42	-7	-6	-49	-50	-4
101	36	19	-42	-6	-5	-48	-51	-4
102	36	39	-41	-4	-3	-48	-50	-4
103	36	59	-42	-2	-2	-48	-50	-4
104	37	19	-42	-1	0	-49	-51	-4
105	37	39	-41	0	0	-49	-50	-4
106	37	59	-41	0	0	-48	-50	-4
107	38	19	-40	1	1	-48	-50	-4
108	38	39	-41	2	2	-48	-50	-4
109	38	59	-41	2	3	-48	-50	-4
110	39	19	-41	3	4	-48	-50	-4
111	39	39	-41	4	5	-48	-50	-4
112	39	59	-38	5	6	-48	-50	-4
113	40	19	-38	5	7	-47	-50	-4
114	40	39	-39	6	7	-47	-50	-4
115	40	59	-39	7	8	-46	-50	-4
116	41	19	-38	7	8	-47	-51	-4
117	41	39	-38	8	9	-47	-50	-4
118	41	59	-36	9	11	-46	-50	-4
119	42	19	-35	10	11	-46	-50	-4
120	42	39	-36	10	12	-46	-50	-4
121	42	59	-34	11	13	-46	-50	-4
122	43	19	-30	11	12	-46	-50	-4
123	43	39	-27	11	13	-46	-51	-4
124	43	59	-22	12	14	-45	-51	-4
125	44	19	-17	12	14	-45	-49	-4
126	44	39	-14	13	14	-46	-50	-
127	44	59	-17	13	15	-45	-50	-
128	45	19	-19	14	17	-44	-50	-
129	45	39	-19	14	17	-44	-50	-
130	45	59	-20	14	17	-44	-50	-
131	46	19	-20	14	18	-44	-51	-
132	46	39	-21	14	18	-43	-50	-
133	46	39	-21	14	19	-44	-50	-
134	47	18	-20	15	18	-42	-49	-
135	47	38	-20	14	19	-42	-50	-
136	47	58	-21	15	20	-42	-50	-
137	48	18	-22	14	20	-42	-50	-
138	48	38	-21	15	21	-42	-49	-
139	48	58	-22	15	21	-42	-50	-
140	49	18	-22	15	21	-42	-50	-
141	49	38	-21	15	22	-41	-50	-
142	49	58	-22	14	22	-40	-50	-
143	50	18	-21	14	22	-41	-50	-
144	50	38	-21	15	22	-41	-50	-
145	50	58	-22	15	23	-40	-50	-
146	51	18	-22	15	22	-40	-50	-

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
-11	-14	-49	-51	-48	-46	-46	12	-7
-9	-10	-50	-51	-47	-45	-44	13	-1
-8	-8	-50	-50	-46	-44	-43	15	7
-7	-6	-49	-50	-47	-44	-42	17	7
-6	-5	-48	-51	-47	-42	-41	18	9
-4	-3	-48	-50	-47	-42	-41	19	10
-2	-2	-48	-50	-47	-42	-40	19	11
-1	0	-49	-51	-47	-42	-38	21	12
0	0	-49	-50	-47	-40	-38	23	13
0	0	-48	-50	-47	-39	-37	23	14
1	1	-48	-50	-47	-39	-35	23	15
2	2	-48	-50	-47	-38	-34	24	16
2	3	-48	-50	-46	-37	-34	25	17
3	4	-48	-50	-47	-37	-33	26	18
4	5	-48	-50	-47	-36	-32	27	9
5	6	-48	-50	-47	-36	-31	27	5
5	7	-47	-50	-47	-35	-30	28	3
6	7	-47	-50	-47	-33	-30	29	10
7	8	-46	-50	-47	-32	-29	29	17
7	8	-47	-51	-48	-31	-28	29	19
8	9	-47	-50	-48	-30	-26	30	19
9	11	-46	-50	-47	-30	-26	31	21
10	11	-46	-50	-47	-28	-26	30	22
10	12	-46	-50	-48	-29	-25	31	23
11	13	-46	-50	-48	-27	-24	32	24
11	12	-46	-50	-48	-27	-23	33	24
11	13	-46	-51	-47	-26	-22	32	25
12	14	-45	-51	-48	-25	-21	33	24
12	14	-45	-49	-48	-24	-21	33	25
13	14	-46	-50	-48	-24	-20	34	26
13	15	-45	-50	-48	-24	-19	34	26
14	17	-44	-50	-48	-22	-19	34	25
14	17	-44	-50	-48	-22	-18	35	26
14	17	-44	-50	-48	-20	-18	35	27
14	18	-44	-51	-48	-21	-17	36	27
14	18	-43	-50	-48	-20	-17	36	27
14	19	-44	-50	-48	-19	-16	36	27
15	18	-42	-49	-48	-19	-15	36	27
14	19	-42	-50	-49	-19	-14	36	27
15	20	-42	-50	-49	-18	-14	36	28
14	20	-42	-50	-49	-18	-13	36	27
15	21	-42	-49	-48	-17	-13	37	27
15	21	-42	-50	-49	-16	-13	38	28
15	21	-42	-50	-48	-16	-12	38	28
15	22	-41	-50	-50	-16	-12	38	28
14	22	-40	-50	-49	-15	-12	38	28
14	22	-41	-50	-50	-15	-10	39	28
15	22	-41	-50	-48	-15	-11	38	28
15	23	-40	-50	-49	-13	-10	39	29
15	22	-40	-50	-49	-13	-9	39	29

2

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	R R
147	51	38	-21	15	24	-40	-50	
148	51	58	-22	15	24	-40	-50	
149	52	18	-21	15	24	-40	-50	
150	52	38	-21	17	24	-40	-50	
151	52	58	-21	17	25	-40	-50	
152	53	18	-21	17	25	-40	-50	
153	53	33	-21	17	25	-39	-50	
154	53	58	-20	17	25	-39	-50	
155	54	18	-20	17	25	-38	-49	
156	54	38	-20	17	25	-38	-50	
157	54	58	-20	18	26	-38	-49	
158	55	18	-20	18	25	-38	-51	
159	55	38	-20	18	25	-38	-50	
160	55	58	-19	18	26	-38	-50	
161	56	18	-18	19	27	-37	-50	
162	56	38	-18	19	27	-37	-49	
163	56	58	-19	19	27	-37	-50	
164	57	17	-18	19	27	-37	-50	
165	57	37	-17	19	28	-36	-49	
166	57	57	-17	20	28	-36	-50	
167	58	17	-18	20	28	-36	-50	
168	58	37	-18	20	28	-35	-50	
169	58	57	-16	20	29	-35	-50	
170	59	17	-17	20	29	-36	-50	
171	59	37	-17	20	28	-35	-49	
172	59	57	-17	20	28	-35	-50	
173	60	17	-16	22	29	-35	-49	
174	60	37	-16	21	30	-34	-49	
175	60	57	-10	22	30	-34	-50	
176	61	17	-4	21	29	-34	-48	
177	61	37	-1	21	29	-34	-49	
178	61	57	2	21	30	-33	-49	
179	62	17	6	20	30	-28	-50	
180	62	37	8	21	29	-30	-50	
181	62	57	9	22	29	-30	-50	
182	63	17	12	22	30	-30	-50	
183	63	37	14	22	31	-30	-48	
184	63	57	15	22	30	-30	-50	
185	64	17	15	23	31	-29	-48	
186	64	37	17	23	31	-29	-50	
187	64	57	17	22	32	-28	-48	
188	65	16	18	27	32	-27	-50	
189	65	36	19	25	31	-28	-50	
190	65	56	18	24	31	-26	-50	
191	66	16	19	23	32	-26	-49	
192	66	36	19	25	32	-26	-50	
193	66	56	20	20	30	-26	-49	
194	67	16	20	25	28	-25	-49	
195	67	36	21	29	30	-26	-49	
196	67	56	21	30	31	-24	-50	

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
15	24	-40	-50	-50	-12	-9	39	29
15	24	-40	-50	-49	-13	-8	39	28
15	24	-40	-50	-50	-12	-8	40	29
17	24	-40	-50	-50	-12	-7	40	29
17	25	-40	-50	-49	-11	-7	39	30
17	25	-40	-50	-49	-10	-7	40	29
17	25	-39	-50	-49	-10	-8	40	30
17	25	-39	-50	-49	-10	-6	41	30
17	25	-38	-49	-49	-10	-6	41	30
17	25	-38	-50	-49	-9	-6	40	30
18	26	-38	-49	-50	-10	-5	41	30
18	25	-38	-51	-48	-8	-5	41	31
18	25	-38	-50	-48	-8	-4	42	31
18	26	-38	-50	-49	-8	-4	41	31
19	27	-37	-50	-50	-8	-3	42	32
19	27	-37	-49	-49	-8	-4	42	32
19	27	-37	-50	-49	-7	-3	42	32
19	27	-37	-50	-49	-7	-3	42	32
19	28	-36	-49	-48	-7	-3	42	32
20	28	-36	-50	-49	-6	-2	42	32
20	28	-36	-50	-49	-6	-2	43	32
20	28	-35	-50	-48	-5	-2	44	33
20	29	-35	-50	-48	-5	-1	44	33
20	29	-36	-50	-49	-5	-1	43	33
20	28	-35	-49	-48	-4	-1	44	34
20	28	-35	-50	-48	-5	-0	44	33
22	29	-35	-49	-48	-4	0	44	33
21	30	-34	-49	-49	-4	0	44	33
22	30	-34	-50	-49	-4	0	44	33
21	29	-34	-48	-48	-4	0	44	34
21	29	-34	-49	-49	-4	0	45	34
21	30	-33	-49	-48	-4	0	44	34
20	30	-28	-50	-49	-3	0	44	34
21	29	-30	-50	-48	-4	1	45	34
22	29	-30	-50	-48	-2	0	44	34
22	30	-30	-50	-48	-2	0	45	34
22	31	-30	-48	-49	-2	0	46	35
22	30	-30	-50	-48	-1	1	46	35
23	31	-29	-48	-48	-1	1	46	36
23	31	-29	-50	-48	-2	1	48	33
22	32	-28	-48	-48	-2	1	48	17
27	32	-27	-50	-48	-1	1	48	14
25	31	-28	-50	-48	-0	1	48	16
24	31	-26	-50	-48	-1	1	48	27
23	32	-26	-49	-48	-2	1	48	37
25	32	-26	-50	-47	-1	1	48	36
20	30	-26	-49	-48	2	5	47	29
25	28	-25	-49	-48	7	4	54	33
29	30	-26	-49	-48	11	4	59	34
30	31	-24	-50	-48	13	5	62	37

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-2 ROTAR RUDDE UTIL INLE TEM DEG.
197	68	16	21	31	33	-24	-50	-4
198	68	36	22	31	34	-24	-50	-4
199	68	56	22	29	34	-23	-51	-4
200	69	16	22	28	35	-24	-50	-4
201	69	36	22	28	35	-22	-50	-4
202	69	56	22	27	35	-22	-50	-4
203	70	16	22	27	34	-22	-50	-4
204	70	36	23	27	34	-22	-49	-4
205	70	56	23	27	35	-20	-50	-4
206	71	16	23	27	36	-20	-49	-4
207	71	36	24	27	36	-21	-49	-4
208	71	56	24	27	36	-20	-49	-4
209	72	16	24	27	35	-20	-50	-4
210	72	36	25	26	35	-19	-49	-4
211	72	56	25	27	36	-18	-50	-4
212	73	16	25	26	36	-18	-49	-4
213	73	35	25	27	35	-18	-49	-4
214	73	55	25	26	35	-18	-50	-4
215	74	15	26	26	35	-17	-49	-4
216	74	35	26	26	35	-16	-49	-4
217	74	55	27	26	35	-16	-50	-4
218	75	15	27	26	35	-16	-48	-4
219	75	35	27	25	35	-15	-48	-4
220	75	55	27	26	35	-15	-49	-4
221	76	15	28	25	34	-16	-49	-4
222	76	35	27	26	33	-14	-48	-4
223	76	55	27	31	33	-14	-50	-4
224	77	15	28	31	34	-13	-49	-4
225	77	35	28	31	36	-12	-49	-4
226	77	55	29	29	36	-12	-49	-4
227	78	15	29	29	36	-12	-48	-4
228	78	35	29	28	37	-10	-48	-4
229	78	55	30	27	36	-12	-49	-4
230	79	15	29	28	36	-10	-48	-4
231	79	35	30	28	36	-11	-48	-4
232	79	54	32	28	36	-10	-48	-4
233	80	14	31	27	35	-9	-49	-4
234	80	34	31	27	36	-10	-49	-4
235	80	54	31	28	37	-9	-48	-4
236	81	14	31	27	36	-8	-48	-4
237	81	34	31	28	36	-8	-48	-4
238	81	54	30	26	38	-8	-48	-4
239	82	14	29	26	38	-8	-48	-4
240	82	34	30	26	36	-8	-49	-4
241	82	54	30	26	36	-7	-48	-4
242	83	14	31	26	36	-6	-48	-4
243	83	34	32	25	35	-6	-48	-4
244	83	54	31	24	35	-6	-47	-4
245	84	14	31	24	33	-6	-48	-4
246	84	34	29	24	34	-5	-48	-4

-17 IL. UMP LET YD. EMP G.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
31	33	-24	-50	-48	5	2	57	38
31	34	-24	-50	-49	4	4	53	35
29	34	-23	-51	-49	4	5	50	31
28	35	-24	-50	-48	4	4	50	29
28	35	-22	-50	-48	4	5	49	37
27	35	-22	-50	-48	4	5	49	37
27	34	-22	-50	-49	4	5	50	37
27	34	-22	-49	-48	4	6	49	37
27	35	-20	-50	-49	3	6	50	38
27	36	-20	-49	-48	4	6	49	37
27	36	-21	-49	-49	4	6	49	38
27	36	-20	-49	-48	4	6	50	37
27	35	-20	-50	-49	5	7	49	37
26	35	-19	-49	-49	4	7	49	37
27	36	-18	-50	-49	5	7	49	37
26	36	-18	-49	-48	5	7	49	38
27	35	-18	-49	-48	5	7	49	37
26	35	-18	-50	-48	6	7	49	37
26	35	-17	-49	-48	4	7	49	37
26	35	-16	-49	-48	5	7	49	37
26	35	-16	-50	-48	5	7	48	36
26	35	-16	-48	-49	5	8	48	36
25	35	-15	-48	-48	5	8	48	36
26	35	-15	-49	-48	5	8	48	35
25	34	-16	-49	-49	5	7	48	35
26	33	-14	-48	-49	12	13	58	34
31	33	-14	-50	-48	15	11	64	39
31	34	-13	-49	-48	9	9	57	36
31	36	-12	-49	-48	8	11	53	29
29	36	-12	-49	-48	8	10	51	30
29	36	-12	-48	-48	7	11	51	36
28	37	-10	-48	-48	7	12	50	35
27	36	-12	-49	-48	8	11	51	35
28	36	-10	-48	-48	7	11	50	35
28	36	-11	-48	-48	8	11	51	36
28	36	-10	-48	-48	7	12	51	38
27	35	-9	-49	-48	8	12	50	39
27	36	-10	-49	-47	9	12	50	37
28	37	-9	-48	-48	8	13	51	38
27	36	-8	-48	-48	8	12	50	38
28	36	-8	-48	-47	8	13	50	36
26	38	-8	-48	-47	8	13	50	33
26	38	-8	-48	-47	8	12	50	33
26	36	-8	-49	-47	8	12	49	35
26	36	-7	-48	-48	7	13	51	36
26	36	-6	-48	-48	7	12	50	37
25	35	-6	-48	-48	6	11	49	36
24	35	-6	-47	-47	6	11	48	36
24	33	-6	-48	-48	5	11	49	35
24	34	-5	-48	-47	4	11	48	36

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
247	84	54	31	23	33	-6	-47
248	85	14	29	22	32	-5	-46
249	85	34	31	23	31	-5	-44
250	85	54	31	22	31	-4	-47
251	86	14	29	22	32	-4	-47
252	86	34	29	22	31	-4	-45
253	86	54	30	22	30	-4	-45
254	87	14	27	21	29	-4	-45
255	87	34	28	21	29	-3	-46
256	87	54	27	21	30	-3	-44
257	88	14	25	21	29	-3	-44
258	88	34	24	21	28	-3	-43
259	88	54	29	21	27	-3	-45
260	89	14	25	20	28	-2	-44
261	89	34	24	19	27	-4	-44
262	89	54	22	20	27	-4	-43
263	90	15	25	19	27	-2	-42
264	90	35	22	19	26	-3	-42
265	90	55	25	19	26	-3	-41
266	91	15	25	19	25	-2	-41
267	91	35	22	19	26	-2	-40
268	91	55	23	19	25	-2	-40
269	92	15	24	19	25	-2	-40
270	92	36	25	19	25	-2	-38
271	92	56	23	18	25	-2	-38
272	93	16	23	18	25	-2	-36
273	93	36	25	18	25	-2	-36
274	93	57	23	18	25	-2	-37
275	94	17	24	18	25	-1	-36
276	94	37	24	17	24	-2	-37
277	94	58	22	17	26	-0	-34
278	95	18	24	18	26	-2	-33
279	95	38	22	17	25	-1	-33
280	95	59	24	17	24	-1	-33
281	96	19	23	17	24	-2	-32
282	96	40	21	17	23	-1	-32
283	97	0	21	17	24	-1	-32
284	97	21	23	17	23	-1	-32
285	97	41	23	17	24	-1	-31
286	98	2	24	17	23	0	-31
287	98	22	26	17	23	-0	-31
288	98	43	22	17	23	-1	-31
289	99	3	24	17	23	-0	-30
290	99	24	22	17	23	0	-31
291	99	44	24	18	23	-1	-30
292	100	5	24	16	23	-0	-29
293	100	26	23	17	23	0	-29
294	100	47	22	17	23	0	-28
295	101	7	22	17	23	0	-28
296	101	28	24	16	23	0	-27

-17 IL. UMP LET YD. EMP G.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
23	33	-6	-47	-48	4	9	48	35
22	32	-5	-46	-47	3	9	46	35
23	31	-5	-44	-46	3	8	46	34
22	31	-4	-47	-46	2	8	46	34
22	32	-4	-47	-46	1	9	45	33
22	31	-4	-45	-46	1	8	46	34
22	30	-4	-45	-45	1	7	45	33
21	29	-4	-45	-44	0	7	45	33
21	29	-3	-46	-45	-1	6	44	33
21	30	-3	-44	-44	-2	6	44	32
21	29	-3	-44	-44	-2	5	44	33
21	28	-3	-43	-44	-2	5	44	31
21	27	-3	-45	-43	-3	4	44	32
20	28	-2	-44	-44	-3	4	44	30
19	27	-4	-44	-43	-4	3	44	31
20	27	-4	-43	-43	-4	2	42	31
19	27	-2	-42	-42	-5	3	42	30
19	26	-3	-42	-42	-6	2	42	29
19	26	-3	-41	-41	-6	2	41	26
19	25	-2	-41	-42	-7	2	42	25
19	26	-2	-40	-40	-6	1	42	24
19	25	-2	-40	-39	-6	1	41	19
19	25	-2	-40	-40	-7	2	42	18
19	25	-2	-38	-37	-6	2	42	17
18	25	-2	-38	-38	-7	1	41	17
18	25	-2	-36	-38	-6	1	42	16
18	25	-2	-36	-38	-8	1	41	17
18	25	-2	-37	-36	-7	1	41	14
18	25	-1	-36	-36	-6	1	42	11
17	24	-2	-37	-36	-7	1	42	11
17	26	-0	-34	-31	-6	1	40	15
18	26	-2	-33	-30	-6	1	39	4
17	25	-1	-33	-31	-6	1	39	3
17	24	-1	-33	-30	-6	0	40	3
17	24	-2	-32	-30	-6	1	39	4
17	23	-1	-32	-30	-6	1	40	3
17	24	-1	-32	-30	-6	1	39	3
17	23	-1	-32	-29	-5	1	39	4
17	24	-1	-31	-29	-5	2	40	3
17	23	0	-31	-28	-5	2	39	4
17	23	-0	-31	-28	-4	1	40	3
17	23	-1	-31	-27	-5	1	40	2
17	23	-0	-30	-27	-4	0	39	3
17	23	0	-31	-26	-4	1	41	3
18	23	-1	-30	-27	-4	0	41	7
16	23	-0	-29	-27	-5	0	39	7
17	23	0	-29	-26	-5	1	39	4
17	23	0	-28	-25	-4	0	39	6
17	23	0	-28	-25	-4	1	38	8
16	23	0	-27	-24	-4	0	39	9

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C
297	101	49	24	17	23	0	-28	-23
298	102	10	22	16	22	0	-27	-24
299	102	30	24	16	22	0	-27	-24
300	102	51	23	17	22	0	-26	-23
301	103	12	23	16	22	1	-25	-22
302	103	33	3	17	22	0	-26	-24
303	103	54	22	16	22	1	-25	-23
304	104	15	23	16	24	1	-23	-22
305	104	36	23	16	24	0	-22	-20
306	104	57	22	16	22	1	-24	-20
307	105	18	22	15	22	1	-23	-20
308	105	38	24	15	22	1	-23	-20
309	105	59	22	14	23	0	-23	-20
310	106	20	20	15	22	0	-22	-20
311	106	41	22	15	22	0	-21	-21
312	107	2	22	15	21	0	-22	-21
313	107	23	22	15	21	0	-23	-21
314	107	44	23	15	22	0	-21	-21
315	108	5	23	15	20	1	-20	-20
316	108	26	22	15	21	0	-20	-20
317	108	47	25	15	21	0	-19	-21
318	109	8	24	15	22	0	-20	-20
319	109	29	24	15	21	1	-21	-22
320	109	50	23	14	20	1	-22	-21
321	110	11	23	14	19	1	-22	-21
322	110	32	22	14	20	1	-22	-20
323	110	53	36	14	19	2	-21	-21
324	111	14	23	14	20	1	-22	-22
325	111	34	23	14	19	3	-21	-21
326	111	55	24	14	19	1	-22	-21
327	112	16	23	14	19	2	-20	-20
328	112	37	24	14	19	2	-21	-20
329	112	58	24	15	19	2	-20	-21
330	113	19	24	14	19	2	-21	-20
331	113	40	23	14	19	2	-21	-20
332	114	0	23	14	19	2	-21	-19
333	114	21	24	14	19	2	-20	-20
334	114	42	25	14	22	2	-20	-19
335	115	3	25	14	21	2	-19	-19
336	115	24	24	14	21	3	-18	-19
337	115	44	25	14	21	2	-18	-19
338	116	5	25	14	21	2	-18	-19
339	116	26	25	15	21	2	-20	-20
340	116	47	24	15	21	3	-19	-19
341	117	7	25	15	21	3	-18	-18
342	117	28	25	15	22	3	-18	-19
343	117	49	26	15	22	2	-19	-18
344	118	10	24	14	22	2	-19	-18
345	118	30	25	16	21	2	-19	-18
346	118	51	27	15	22	3	-18	-18

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
17	23	0	-28	-23	-4	0	38	9
16	22	0	-27	-24	-4	0	38	9
16	22	0	-27	-24	-4	0	38	9
17	22	0	-26	-23	-4	0	38	8
16	22	1	-25	-22	-4	0	38	8
17	22	0	-26	-24	-4	0	39	8
16	22	1	-25	-23	-2	0	38	9
16	24	1	-23	-22	-4	0	38	9
16	24	0	-22	-20	-3	-0	38	9
16	22	1	-24	-20	-4	-0	36	9
15	22	1	-23	-20	-4	-0	37	8
15	22	1	-23	-20	-3	-1	37	7
14	23	0	-23	-20	-3	-1	38	9
15	22	0	-22	-20	-4	-1	39	9
15	22	0	-21	-21	-4	-1	37	10
15	21	0	-22	-21	-3	-1	37	8
15	21	0	-23	-21	-3	-1	36	8
15	22	0	-21	-21	-3	-2	36	5
15	20	1	-20	-20	-3	-2	36	4
15	21	0	-20	-20	-3	-3	35	6
15	21	0	-19	-21	-2	-3	36	7
15	22	0	-20	-20	-3	-2	36	8
15	21	1	-21	-22	-4	-3	36	7
14	20	1	-22	-21	-4	-2	36	5
14	19	1	-22	-21	-4	-2	36	5
14	20	1	-22	-20	-3	-4	35	6
14	19	2	-21	-21	-3	-4	35	9
14	20	1	-22	-22	-4	-3	35	12
14	19	3	-21	-21	-3	-4	35	10
14	19	1	-22	-21	-3	-4	35	12
14	19	2	-20	-20	-3	-4	35	12
14	19	2	-21	-20	-4	-3	35	11
15	19	2	-20	-21	-4	-4	35	11
14	19	2	-21	-20	-3	-3	35	11
14	19	2	-21	-20	-4	-4	35	11
14	19	2	-21	-19	-3	-4	35	11
14	19	2	-20	-20	-3	-3	36	12
14	22	2	-20	-19	-3	-4	36	14
14	21	2	-19	-19	-3	-4	37	15
14	21	3	-18	-19	-3	-4	36	16
14	21	2	-18	-19	-4	-3	37	15
14	21	2	-18	-19	-3	-3	37	17
15	21	2	-20	-20	-3	-4	38	16
15	21	3	-19	-19	-3	-3	38	16
15	21	3	-18	-18	-3	-2	37	16
15	22	3	-18	-19	-2	-2	38	16
15	22	2	-19	-18	-3	-2	38	16
14	22	2	-19	-18	-3	-2	38	16
16	21	2	-19	-18	-3	-3	38	16
15	22	3	-18	-18	-3	-1	37	16

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
347	119	12	25	16	22	3	-18
348	119	32	25	16	22	2	-18
349	119	53	26	15	21	2	-19
350	120	14	26	15	22	2	-20
351	120	34	25	15	22	2	-18
352	120	55	25	15	22	3	-19
353	121	16	27	15	22	4	-18
354	121	36	26	15	22	3	-18
355	121	57	25	15	22	4	-18
356	122	17	25	15	22	2	-18
357	122	38	25	15	22	2	-18
358	122	59	25	15	22	3	-18
359	123	19	26	*	15	3	-18
360	123	40	27	*	9	3	-18
361	124	0	26	8	11	3	-18
362	124	21	27	9	13	4	-18
363	124	41	28	8	15	4	-18
364	125	2	27	9	17	4	-16
365	125	22	27	10	17	4	-18
366	125	43	28	11	18	4	-17
367	126	3	26	12	19	5	-16
368	126	24	23	13	18	5	-16
369	126	44	22	14	19	5	-16
370	127	4	19	14	20	5	-17
371	127	25	18	14	24	5	-16
372	127	45	17	10	23	6	-16
373	128	6	16	7	18	6	-15
374	128	26	15	10	17	6	-15
375	128	46	14	10	18	6	-14
376	129	7	13	12	20	7	-13
377	129	27	12	13	21	6	-14
378	129	48	11	12	21	6	-14
379	130	8	10	11	19	7	-14
380	130	28	9	13	19	7	-13
381	130	49	9	13	19	7	-14
382	131	9	8	14	20	7	-14
383	131	29	8	15	23	7	-13
384	131	50	8	15	24	8	-13
385	132	10	8	15	21	7	-12
386	132	30	7	16	21	8	-12
387	132	51	8	16	23	8	-13
388	133	11	17	17	24	8	-12
389	133	31	22	18	24	8	-12
390	133	52	24	19	27	7	-13
391	134	12	28	16	27	8	-12
392	134	32	30	17	27	8	-12
393	134	52	33	18	26	8	-13
394	135	13	34	19	26	8	-12
395	135	33	35	20	28	9	-12
396	135	53	36	20	28	9	-12

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
16	22	3	-18	-18	-4	-2	37	16
16	22	2	-18	-19	-4	-2	37	15
15	21	2	-19	-18	-4	-2	37	16
15	22	2	-20	-18	-2	-2	38	15
15	22	2	-18	-19	-3	-2	37	15
15	22	3	-19	-18	-4	-3	38	14
15	22	4	-18	-18	-4	-1	37	15
15	22	3	-18	-18	-5	-2	36	13
15	22	4	-18	-18	-5	-2	37	14
15	22	2	-18	-18	-5	-2	37	14
15	22	2	-18	-18	-5	-2	37	15
15	22	3	-18	-18	-6	-1	37	14
*	15	3	-18	-17	-5	-2	37	14
*	9	3	-18	-18	-5	-2	36	13
8	11	3	-18	-17	-6	-2	33	8
9	13	4	-18	-18	-6	-2	32	11
8	15	4	-18	-18	-6	-2	32	8
9	17	4	-16	-18	-6	-3	33	8
10	17	4	-18	-18	-6	-2	34	8
11	18	4	-17	-16	-5	-2	34	12
12	19	5	-16	-17	-4	-2	36	12
13	18	5	-16	-17	-2	-1	35	12
14	19	5	-16	-16	-2	0	35	13
14	20	5	-17	-16	-2	0	35	13
14	24	5	-16	-16	-2	0	21	8
10	23	6	-16	-15	-1	0	34	8
7	18	6	-15	-15	-1	5	17	8
10	17	6	-15	-13	-0	5	18	9
10	18	6	-14	-16	0	5	26	11
12	20	7	-13	-14	0	4	33	13
13	21	6	-14	-14	1	4	27	12
12	21	6	-14	-12	2	4	29	11
11	19	7	-14	-13	2	5	24	12
13	19	7	-13	-13	1	5	28	14
13	19	7	-14	-12	2	6	24	14
14	20	7	-14	-12	4	7	29	15
15	23	7	-13	-12	4	8	32	12
15	24	8	-13	-11	4	9	31	14
15	21	7	-12	-11	5	9	27	16
16	21	8	-12	-11	6	11	28	17
16	23	8	-12	-10	6	11	37	21
17	24	8	-12	-10	6	12	39	22
18	24	8	-12	-11	7	12	41	17
19	27	7	-13	-10	7	11	35	13
16	27	8	-12	-11	6	11	38	11
17	27	8	-12	-11	7	11	39	13
18	26	8	-13	-10	7	11	42	12
19	26	8	-12	-10	8	12	43	14
20	28	9	-12	-10	8	13	43	14
20	28	9	-12	-10	8	12	43	14

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
397	136	13	37	21	29	9	-12
398	136	34	38	21	29	9	-13
399	136	54	38	22	30	9	-12
400	137	14	38	22	30	9	-12
401	137	34	39	22	30	10	-12
402	137	55	40	22	31	10	-12
403	138	15	39	22	32	10	-12
404	138	35	40	23	34	11	-12
405	138	55	38	23	34	8	-12
406	139	16	36	23	33	9	-12
407	139	36	32	24	34	9	-12
408	139	56	31	24	33	9	-12
409	140	16	29	24	34	10	-12
410	140	36	27	25	33	11	-13
411	140	57	26	24	34	11	-14
412	141	17	25	25	35	11	-13
413	141	37	23	25	34	12	-13
414	141	57	22	25	34	10	-13
415	142	17	19	24	34	10	-14
416	142	38	17	24	33	10	-14
417	142	58	15	24	33	10	-13
418	143	18	13	25	33	10	-14
419	143	38	11	25	34	11	-14
420	143	58	11	26	33	11	-14
421	144	18	10	25	34	11	-14
422	144	38	8	26	34	11	-14
423	143	19	8	26	34	11	-14
424	145	19	7	26	35	11	-13
425	145	39	7	26	34	11	-14
426	145	59	7	26	35	11	-13
427	146	19	6	27	35	11	-14
428	146	39	6	27	35	11	-12
429	146	59	6	27	36	11	-14
430	147	19	4	27	36	11	-14
431	147	39	5	27	36	11	-14
432	147	59	4	27	36	11	-14
433	148	20	5	27	36	11	-14
434	148	40	5	27	36	11	-14
435	149	0	4	27	37	11	-14
436	149	20	4	27	36	11	-14
437	149	40	4	27	36	11	-14
438	150	0	4	26	34	11	-14
439	150	20	4	25	33	11	-14
440	150	40	4	25	32	11	-14
441	151	0	4	24	31	10	-14
442	151	21	4	24	30	9	-14
443	151	41	3	23	29	9	-14
444	152	1	3	22	29	9	-14
445	*	*	*	*	*	*	*

4-17 IL. PUMP LET YD. EMP G.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
21	29	9	-12	-10	10	12	44	16
21	29	9	-13	-9	9	12	45	16
22	30	9	-12	-10	10	13	45	16
22	30	9	-12	-10	9	14	46	16
22	30	10	-12	-10	9	14	47	17
22	31	10	-12	-10	10	14	47	17
22	32	10	-12	-10	11	14	47	17
23	34	11	-12	-9	11	14	47	18
23	34	8	-12	-9	11	14	47	18
23	33	9	-12	-8	12	14	48	19
24	34	9	-12	-8	12	15	47	18
24	33	9	-12	-7	11	14	48	18
24	34	10	-12	-7	13	15	48	19
25	33	11	-13	-7	12	15	48	19
24	34	11	-14	-7	12	16	49	19
25	35	11	-13	-6	12	16	48	20
25	34	12	-13	-6	12	16	49	21
25	34	10	-13	-7	12	15	49	24
24	34	10	-14	-6	11	15	49	28
24	33	10	-14	-6	11	14	49	30
24	33	10	-13	-7	10	13	49	29
25	33	10	-14	-7	11	12	49	28
25	34	11	-14	-7	11	12	49	28
26	33	11	-14	-7	10	12	48	27
25	34	11	-14	-8	11	12	48	23
26	34	11	-14	-8	11	12	48	21
26	34	11	-14	-8	11	14	49	19
26	35	11	-13	-8	12	14	49	19
26	34	11	-14	-7	12	14	49	20
26	35	11	-13	-7	12	14	49	19
27	35	11	-14	-8	12	14	49	19
27	35	11	-12	-7	12	14	50	19
27	36	11	-14	-8	12	15	49	20
27	36	11	-14	-8	12	15	49	20
27	36	11	-14	-8	12	15	50	21
27	36	11	-14	-7	14	15	51	20
27	36	11	-14	-8	14	16	49	20
27	36	11	-14	-8	14	16	51	21
27	37	11	-14	-8	13	16	51	20
27	36	11	-14	-9	13	16	50	18
27	36	11	-14	-8	13	16	50	19
26	34	11	-14	-10	14	16	48	25
25	33	11	-14	-9	14	16	44	22
25	32	11	-14	-9	14	16	41	19
24	31	10	-14	-10	14	15	38	17
24	30	9	-14	-10	14	14	34	14
23	29	9	-14	-10	14	15	31	11
22	29	9	-14	-10	14	15	28	9
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5 EN N.G CO IN DE
1	0	11	-52	-53	-52	-52	-52	
2	0	31	-53	-53	-52	-52	-53	
3	0	51	-52	-53	-52	-52	-53	
4	1	12	-52	-53	-52	-52	-54	
5	1	32	-52	-52	-52	-52	-53	
6	1	52	-52	-52	-51	-52	-53	
7	2	12	-52	-53	-52	-52	-53	
8	2	32	-53	-53	-52	-52	-53	
9	2	52	-52	-53	-52	-52	-53	
10	3	12	-51	-53	-52	-52	-54	
11	3	32	-52	-53	-52	-53	-52	
12	3	52	-52	-53	-52	-52	-52	
13	4	12	-53	-54	-52	-52	-53	
14	4	32	-53	-53	-52	-52	-53	
15	4	52	-52	-53	-53	-52	-53	
16	5	12	-53	-54	-52	-52	-54	
17	5	32	-52	-54	-52	-52	-53	
18	5	52	-53	-54	-52	-53	-53	
19	6	12	-52	-53	-52	-52	-53	
20	6	32	-53	-54	-52	-53	-53	
21	6	52	-53	-53	-52	-52	-53	
22	7	11	-53	-54	-52	-53	-53	
23	7	31	-54	-53	-52	-52	-53	
24	7	51	-52	-53	-52	-53	-52	
25	8	11	-52	-53	-52	-52	-53	
26	8	31	-52	-53	-52	-52	-54	
27	8	51	-53	-53	-52	-52	-53	
28	9	14	-52	-53	-52	-52	-54	
29	9	34	-53	-53	-52	-52	-53	
30	9	54	-53	-54	-52	-52	-54	
31	10	14	-51	-52	-50	-52	-53	
32	10	34	-52	-53	-52	-52	-53	
33	10	54	-53	-54	-52	-52	-53	
34	11	14	-53	-54	-52	-53	-54	
35	11	34	-52	-53	-52	-53	-54	
36	11	54	-52	-53	-52	-52	-53	
37	15	31	-52	-53	-51	-52	-53	
38	15	51	-52	-53	-52	-52	-53	
39	16	11	-53	-53	-52	-52	-53	
40	16	31	-52	-53	-52	-52	-52	
41	16	51	-52	-53	-52	-52	-53	
42	17	11	-52	-53	-52	-52	-53	
43	17	31	-53	-53	-52	-52	-54	
44	17	51	-53	-53	-52	-52	-53	
45	18	11	-53	-53	-52	-53	-5	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
6.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
LER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
LET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
53	-52	-52	-52	-53	-54	-54	-54	-53
53	-52	-52	-53	-54	-53	-54	-55	-53
53	-52	-52	-53	-53	-54	-54	-54	-53
53	-52	-52	-54	-53	-54	-54	-54	-53
52	-52	-52	-53	-53	-53	-54	-54	-54
52	-51	-52	-53	-53	-54	-54	-55	-53
53	-52	-52	-53	-53	-54	-54	-54	-53
53	-52	-52	-53	-53	-54	-54	-54	-53
53	-52	-52	-53	-54	-54	-54	-55	-54
53	-52	-52	-54	-53	-54	-54	-55	-53
53	-52	-53	-52	-53	-54	-54	-54	-54
53	-52	-52	-52	-53	-54	-54	-55	-53
54	-52	-52	-53	-54	-54	-54	-54	-53
53	-52	-52	-53	-53	-54	-55	-55	-54
53	-53	-52	-53	-54	-54	-54	-55	-53
54	-52	-52	-54	-54	-54	-54	-55	-54
54	-52	-52	-53	-53	-54	-54	-54	-53
54	-52	-53	-53	-54	-54	-54	-55	-53
53	-52	-52	-53	-54	-54	-54	-54	-54
54	-52	-53	-53	-54	-54	-54	-54	-54
53	-52	-52	-53	-54	-54	-54	-54	-54
54	-52	-53	-53	-53	-54	-54	-55	-54
53	-52	-52	-53	-54	-54	-54	-54	-54
53	-52	-53	-52	-53	-54	-54	-55	-53
53	-52	-52	-53	-53	-54	-54	-54	-53
53	-52	-52	-54	-52	-54	-54	-54	-53
53	-52	-52	-53	-54	-54	-54	-55	-53
53	-52	-52	-54	-54	-54	-54	-54	-53
53	-52	-52	-53	-54	-53	-54	-54	-54
54	-52	-52	-54	-53	-54	-54	-55	-53
52	-50	-52	-53	-52	-54	-54	-54	-53
53	-52	-52	-53	-53	-54	-54	-55	-53
54	-52	-52	-53	-53	-54	-54	-54	-53
54	-52	-53	-54	-53	-54	-54	-55	-53
53	-52	-53	-54	-53	-54	-54	-54	-53
53	-52	-52	-53	-54	-53	-54	-54	-53
53	-51	-52	-53	-53	-53	-54	-54	-52
53	-52	-52	-53	-53	-53	-54	-54	-53
53	-52	-52	-53	-53	-54	-54	-54	-53
53	-52	-52	-52	-53	-54	-54	-54	-53
53	-52	-52	-53	-54	-54	-54	-54	-53
53	-52	-52	-53	-54	-53	-54	-54	-53
53	-52	-52	-54	-54	-53	-54	-54	-53
53	-52	-52	-53	-54	-52	-54	-54	-53
53	-52	-53	-[illegible]	-53	-54	-54	-54	-53

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
46	18	31	-53	-53	-52	-52	-53
47	18	51	-53	-53	-52	-53	-53
48	19	11	-52	-53	-52	-52	-53
50	19	34	-52	-53	-51	-52	-52
51	19	54	-52	-52	-51	-52	-53
52	20	14	-52	-52	-51	-52	-52
53	20	34	-52	-52	-51	-52	-53
54	20	54	-52	-53	-51	-52	-53
55	21	14	-52	-53	-51	-52	-52
56	21	35	-52	-53	-51	-52	-52
57	21	55	-52	-53	-51	-51	-52
58	22	15	-52	-53	-50	-51	-52
59	22	35	-52	-52	-51	-51	-52
60	22	55	-52	-52	-51	-52	-52
61	23	15	-52	-52	-51	-52	-52
62	23	35	-52	-52	-51	-52	-52
63	23	55	-52	-53	-52	-52	-53
64	24	15	-53	-52	-51	-52	-53
65	24	27	-51	-52	-50	-52	-51
66	24	40	-53	-52	-51	-52	-52
67	25	0	-52	-52	-51	-52	-52
68	25	20	-53	-52	-51	-52	-52
69	25	40	-52	-52	-51	-52	-52
70	26	0	-52	-52	-51	-52	-53
71	26	21	-52	-52	-51	-52	-52
72	26	41	-53	-52	-51	-51	-52
73	27	1	-53	-52	-51	-52	-52
74	27	21	-53	-52	-51	-51	-52
75	27	41	-53	-52	-51	-51	-52
76	28	1	-52	-52	-51	-52	-53
77	28	21	-53	-52	-51	-51	-52
78	28	41	-53	-52	-51	-52	-52
79	29	1	-53	-52	-50	-51	-52
80	29	21	-53	-52	-50	-51	-52
81	29	41	-52	-52	-50	-51	-52
82	30	1	-52	-52	-50	-52	-52
83	30	21	-53	-52	-50	-52	-53
84	30	41	-53	-53	-51	-51	-52
85	31	1	-52	-52	-51	-52	-53
86	31	21	-52	-52	-51	-52	-52
87	31	41	-53	-52	-51	-52	-52
88	32	1	-53	-52	-51	-51	-53
89	32	21	-52	-52	-51	-52	-52
90	32	41	-52	-52	-51	-52	-52
91	33	1	-53	-52	-51	-51	-52
92	33	21	-52	-52	-50	-52	-52
93	33	41	-52	-52	-51	-51	-52
94	34	1	-52	-52	-51	-51	-52
95	34	21	-53	-52	-51	-52	-52
96	34	41	-52	-52	-51	-51	-52

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
-53	-52	-52	-53	-53	-54	-54	-54	-53
-53	-52	-53	-53	-53	-54	-54	-55	-53
-53	-52	-52	-53	-54	-54	-54	-54	-53
-53	-51	-52	-52	-53	-52	-53	-54	-52
-52	-51	-52	-53	-52	-53	-54	-53	-52
-52	-51	-52	-52	-53	-53	-54	-53	-52
-52	-51	-52	-53	-53	-53	-52	-53	-52
-53	-51	-52	-53	-52	-53	-54	-53	-52
-53	-51	-52	-52	-53	-53	-53	-54	-52
-53	-51	-52	-52	-53	-52	-53	-54	-52
-53	-51	-51	-52	-53	-52	-53	-54	-52
-53	-50	-51	-52	-52	-52	-53	-53	-52
-52	-51	-51	-52	-52	-52	-53	-53	-52
-52	-51	-52	-52	-53	-52	-53	-54	-52
-52	-51	-52	-52	-53	-53	-54	-54	-52
-52	-51	-52	-52	-53	-52	-53	-54	-52
-53	-52	-52	-53	-52	-53	-54	-54	-53
-52	-51	-52	-53	-52	-52	-53	-54	-52
-52	-50	-52	-51	-52	-51	-52	-52	-52
-52	-51	-52	-52	-52	-53	-54	-53	-52
-52	-51	-52	-52	-52	-53	-53	-54	-52
-52	-51	-52	-52	-54	-52	-53	-54	-52
-52	-51	-52	-52	-53	-53	-52	-54	-52
-52	-51	-52	-53	-52	-53	-54	-53	-52
-52	-51	-52	-52	-53	-52	-53	-54	-52
-52	-51	-51	-52	-53	-52	-53	-54	-52
-52	-51	-52	-52	-53	-52	-52	-53	-52
-52	-51	-51	-52	-53	-52	-53	-54	-52
-52	-51	-51	-52	-52	-52	-53	-54	-52
-52	-51	-52	-53	-52	-53	-54	-54	-52
-52	-51	-51	-52	-53	-53	-53	-54	-52
-52	-51	-52	-52	-53	-52	-53	-54	-52
-52	-50	-51	-52	-52	-52	-53	-54	-52
-52	-50	-51	-52	-52	-52	-53	-54	-52
-52	-50	-51	-52	-52	-52	-53	-54	-52
-52	-50	-52	-52	-53	-53	-54	-53	-52
-52	-50	-52	-53	-52	-53	-53	-53	-52
-53	-51	-51	-52	-52	-52	-53	-53	-52
-52	-51	-52	-53	-52	-53	-54	-54	-52
-52	-51	-52	-52	-52	-53	-53	-53	-52
-52	-51	-52	-52	-52	-52	-53	-54	-52
-52	-51	-51	-53	-53	-52	-53	-54	-52
-52	-51	-52	-52	-53	-53	-54	-53	-52
-52	-51	-52	-52	-52	-53	-54	-53	-52
-52	-51	-51	-52	-53	-53	-54	-54	-52
-52	-50	-52	-52	-52	-52	-53	-53	-52
-52	-51	-51	-52	-52	-53	-53	-52	-52
-52	-51	-52	-52	-53	-52	-53	-54	-52
-52	-51	-51	-52	-52	-53	-53	-53	-52

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5- ENG N.G. COOL INL C DEG
97	35	1	-53	-52	-51	-52	-52	-5
98	35	21	-53	-52	-50	-51	-52	-5
99	35	41	-53	-52	-51	-52	-52	-5
100	36	1	-53	-52	-51	-52	-52	-5
101	36	21	-52	-53	-51	-51	-52	-5
102	36	41	-53	-52	-50	-52	-52	-5
103	37	1	-52	-52	-52	-51	-52	-5
104	37	21	-53	-52	-51	-52	-53	-5
105	37	41	-52	-52	-51	-51	-52	-5
106	38	1	-52	-52	-51	-52	-52	-5
107	38	21	-53	-52	-51	-51	-52	-5
108	38	41	-52	-52	-51	-51	-52	-5
109	39	1	-52	-52	-51	-51	-52	-5
110	39	21	-53	-52	-51	-52	-52	-5
111	39	41	-52	-52	-50	-52	-52	-5
112	40	1	-53	-52	-50	-51	-53	-5
113	40	21	-52	-52	-51	-52	-52	-5
114	40	41	-52	-52	-50	-52	-52	-5
115	41	1	-52	-52	-51	-51	-52	-5
116	41	21	-53	-52	-50	-52	-51	-5
117	41	41	-53	-52	-51	-51	-52	-5
118	42	1	-53	-52	-51	-51	-52	-5
119	42	21	-53	-52	-50	-52	-52	-5
120	42	41	-53	-52	-50	-51	-52	-5
121	43	1	-52	-53	-51	-51	-52	-5
122	43	21	-52	-51	-50	-51	-52	-5
123	43	41	-52	-52	-51	-51	-52	-5
124	44	1	-53	-52	-50	-51	-52	-5
125	44	21	-53	-53	-51	-51	-52	-5
126	44	41	-52	-51	-50	-51	-52	-5
127	45	1	-53	-52	-51	-51	-52	-5
128	45	21	-52	-52	-50	-51	-52	-5
129	45	41	-52	-53	-50	-52	-52	-5
130	46	1	-52	-52	-50	-52	-52	-5
131	46	21	-52	-52	-50	-51	-51	-5
132	46	41	-52	-52	-50	-51	-52	-5
133	47	1	-52	-52	-50	-51	-52	-5
134	47	21	-52	-52	-51	-51	-52	-5
135	47	41	-53	-52	-50	-51	-52	-5
136	48	1	-53	-52	-50	-52	-52	-5
137	48	21	-52	-51	-50	-51	-52	-5
138	48	41	-52	-52	-50	-51	-52	-5
139	49	1	-52	-52	-50	-51	-52	-5
140	49	21	-52	-52	-51	-51	-51	-5
141	49	41	-52	-52	-50	-51	-52	-5
142	50	1	-52	-52	-50	-51	-51	-5
143	50	20	-52	-52	-50	-51	-52	-5
144	50	40	-52	-52	-50	-51	-52	-5
145	51	0	-52	-52	-50	-51	-52	-5
146	51	20	-52	-52	-50	-52	-51	-5

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
-52	-51	-52	-52	-52	-52	-52	-53	-52
-52	-50	-51	-52	-53	-52	-53	-53	-52
-52	-51	-52	-52	-52	-52	-52	-54	-52
-52	-51	-52	-52	-53	-52	-53	-54	-52
-53	-51	-51	-52	-52	-52	-52	-54	-52
-52	-50	-52	-52	-52	-53	-54	-54	-52
-52	-52	-51	-52	-52	-53	-53	-53	-52
-52	-51	-52	-53	-53	-53	-54	-53	-52
-52	-51	-51	-52	-53	-52	-53	-54	-52
-52	-51	-52	-52	-52	-52	-54	-54	-52
-52	-51	-51	-52	-53	-53	-53	-54	-52
-52	-51	-51	-52	-52	-53	-52	-53	-52
-52	-51	-51	-52	-52	-52	-52	-53	-52
-52	-51	-52	-52	-53	-52	-53	-54	-52
-52	-50	-52	-52	-52	-53	-54	-54	-52
-52	-50	-51	-53	-52	-52	-53	-53	-52
-52	-51	-52	-52	-52	-52	-52	-53	-52
-52	-50	-52	-52	-52	-52	-53	-53	-52
-52	-51	-51	-52	-52	-52	-53	-54	-52
-52	-50	-52	-51	-52	-53	-53	-53	-52
-52	-51	-51	-52	-52	-52	-53	-53	-52
-52	-51	-51	-52	-52	-53	-52	-54	-52
-52	-50	-52	-52	-52	-53	-54	-53	-52
-52	-50	-51	-52	-52	-52	-53	-54	-52
-53	-51	-51	-52	-53	-53	-53	-53	-52
-51	-50	-51	-52	-52	-53	-53	-54	-52
-52	-51	-51	-52	-52	-52	-53	-54	-52
-52	-50	-51	-52	-53	-52	-53	-54	-52
-53	-51	-51	-52	-52	-53	-53	-53	-52
-51	-50	-51	-52	-52	-52	-53	-54	-52
-52	-51	-51	-52	-53	-52	-53	-54	-52
-52	-50	-52	-52	-52	-53	-53	-53	-52
-52	-50	-52	-52	-52	-53	-53	-54	-52
-52	-50	-51	-51	-52	-53	-54	-54	-52
-52	-50	-51	-52	-52	-52	-53	-54	-52
-52	-50	-51	-52	-53	-52	-53	-52	-52
-52	-51	-51	-52	-52	-52	-53	-54	-52
-52	-50	-51	-52	-53	-52	-53	-54	-52
-52	-50	-52	-52	-52	-52	-53	-54	-52
-51	-50	-51	-52	-52	-52	-53	-53	-52
-52	-50	-51	-52	-53	-53	-54	-54	-52
-52	-50	-51	-52	-52	-52	-53	-54	-52
-52	-51	-51	-51	-52	-52	-52	-52	-52
-52	-50	-51	-52	-52	-53	-54	-53	-52
-52	-50	-51	-51	-52	-52	-54	-53	-51
-52	-50	-51	-52	-52	-52	-54	-52	-51
-52	-50	-51	-52	-52	-52	-52	-53	-52
-52	-50	-51	-52	-52	-53	-53	-53	-52
-52	-50	-52	-51	-52	-52	-53	-53	-52

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-1 ENG. N.G.B COOLE INLE OI DEG.
147	51	40	-52	-52	-50	-51	-51	-52
148	52	0	-53	-52	-50	-52	-52	-52
149	52	20	-52	-52	-50	-50	-51	-52
150	52	40	-52	-52	-50	-51	-51	-52
151	53	0	-52	-51	-50	-51	-52	-51
152	53	20	-53	-52	-50	-52	-52	-52
153	53	40	-53	-52	-49	-51	-52	-51
154	54	0	-52	-51	-50	-52	-51	-52
155	54	20	-52	-52	-50	-51	-50	-52
156	54	40	-53	-52	-50	-51	-52	-51
157	55	0	-52	-52	-49	-51	-52	-51
158	55	20	-53	-52	-50	-51	-52	-52
159	55	40	-53	-52	-49	-51	-51	-52
160	56	0	-52	-51	-49	-51	-52	-51
161	56	20	-53	-52	-49	-51	-51	-52
162	56	40	-53	-52	-48	-51	-51	-52
163	57	0	-53	-52	-49	-51	-51	-51
164	57	20	-53	-52	-49	-51	-52	-51
165	57	40	-52	-51	-50	-51	-50	-51
166	58	0	-53	-52	-49	-51	-50	-51
167	58	20	-52	-52	-49	-51	-50	-51
168	58	40	-52	-51	-50	-51	-51	-51
169	59	0	-53	-52	-49	-52	-51	-51
170	59	20	-52	-51	-49	-52	-52	-51
171	59	40	-52	-51	-49	-51	-51	-51
172	60	0	-53	-51	-48	-50	-52	-51
173	60	19	-52	-51	-48	-51	-51	-51
174	60	39	-52	-52	-49	-51	-51	-51
175	60	59	-53	-52	-48	-51	-50	-51
176	61	19	-52	-51	-48	-51	-51	-51
177	61	39	-52	-51	-48	-51	-52	-51
178	61	59	-52	-51	-49	-51	-51	-51
179	62	19	-53	-52	-48	-51	-52	-51
180	62	39	-53	-52	-49	-51	-51	-51
181	62	59	-52	-52	-49	-51	-51	-51
182	63	19	-52	-51	-48	-51	-52	-51
183	63	39	-52	-52	-49	-51	-51	-51
184	63	59	-52	-52	-48	-52	-50	-51
185	64	19	-53	-50	-49	-50	-50	-51
186	64	39	-53	-51	-48	-51	-50	-51
187	64	59	-52	-52	-49	-52	-51	-51
188	65	19	-53	-52	-48	-50	-50	-51
189	65	39	-53	-51	-48	-50	-50	-51
190	65	59	-52	-51	-48	-51	-51	-51
191	66	19	-53	-51	-48	-51	-50	-51
192	66	39	-53	-51	-48	-50	-50	-51
193	66	59	-52	-52	-47	-50	-50	-51
194	67	19	-52	-51	-48	-50	-50	-51
195	67	39	-53	-49	-47	-50	-50	-51
196	67	49	-53	-44	-47	-50	-49	-51

-06 G.1 OIL LER LET OIL G.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
52	-50	-51	-51	-52	-53	-52	-54	-52
52	-50	-52	-52	-52	-52	-53	-54	-51
52	-50	-50	-51	-52	-53	-52	-54	-52
52	-50	-51	-51	-52	-52	-53	-53	-52
51	-50	-51	-52	-51	-52	-52	-53	-52
52	-50	-52	-52	-52	-52	-53	-54	-52
52	-49	-51	-52	-51	-52	-53	-52	-52
51	-50	-52	-51	-52	-52	-53	-53	-52
52	-50	-51	-50	-52	-53	-54	-54	-52
52	-50	-51	-52	-51	-52	-52	-54	-52
52	-49	-51	-52	-51	-52	-53	-52	-52
52	-50	-51	-52	-52	-52	-53	-53	-52
52	-49	-51	-51	-52	-52	-53	-52	-51
51	-49	-51	-52	-51	-53	-54	-53	-52
52	-49	-51	-51	-52	-52	-54	-52	-52
52	-48	-51	-51	-52	-52	-53	-53	-51
52	-49	-51	-51	-52	-52	-53	-53	-51
52	-49	-51	-52	-52	-52	-53	-53	-52
51	-50	-51	-50	-51	-52	-53	-52	-52
52	-49	-51	-50	-52	-52	-53	-52	-52
52	-49	-51	-50	-51	-52	-53	-53	-52
51	-50	-51	-51	-51	-52	-52	-53	-52
52	-49	-52	-51	-52	-52	-54	-53	-52
51	-49	-52	-52	-51	-52	-54	-52	-52
51	-49	-51	-51	-51	-52	-53	-53	-52
51	-48	-50	-52	-51	-52	-53	-54	-52
51	-48	-51	-51	-51	-53	-52	-52	-52
52	-48	-51	-51	-52	-52	-52	-53	-51
52	-48	-51	-50	-52	-52	-53	-53	-52
51	-48	-51	-51	-52	-51	-52	-52	-52
51	-48	-51	-52	-51	-52	-53	-53	-52
51	-49	-51	-51	-52	-52	-52	-53	-51
52	-48	-51	-52	-52	-52	-52	-52	-51
52	-49	-51	-51	-52	-52	-53	-53	-52
52	-49	-51	-51	-52	-53	-52	-53	-52
51	-48	-51	-52	-51	-52	-53	-53	-52
52	-49	-51	-51	-52	-52	-53	-53	-51
52	-48	-52	-50	-52	-52	-53	-52	-51
50	-49	-50	-50	-52	-52	-52	-53	-51
51	-48	-51	-50	-51	-51	-52	-53	-51
52	-49	-52	-51	-51	-52	-52	-52	-51
52	-48	-50	-50	-51	-52	-54	-53	-52
51	-48	-50	-50	-49	-52	-54	-53	-52
51	-48	-51	-51	-50	-52	-52	-53	-50
51	-48	-51	-50	-50	-51	-52	-51	-51
51	-48	-50	-50	-49	-51	-52	-52	-50
52	-47	-50	-50	-50	-52	-52	-52	-51
51	-48	-50	-50	-49	-51	-53	-52	-51
49	-47	-50	-50	-50	-52	-52	-52	-50
44	-47	-50	-49	-49	-52	-53	-52	-51

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5 EN N.G COO IN DE
197	68	18	-53	-40	-45	-50	-50	-
198	68	38	-53	-41	-44	-51	-50	-
199	68	58	-52	-42	-43	-50	-50	-
200	69	18	-53	-42	-43	-50	-50	-
201	69	38	-52	-43	-43	-50	-50	-
202	69	58	-53	-44	-44	-50	-49	-
203	70	18	-52	-43	-43	-50	-49	-
204	70	38	-52	-43	-44	-50	-50	-
205	70	58	-53	-44	-44	-50	-49	-
206	71	18	-53	-44	-43	-50	-48	-
207	71	38	-52	-42	-44	-50	-48	-
208	71	58	-52	-43	-44	-50	-48	-
209	72	18	-52	-43	-44	-50	-49	-
210	72	38	-52	-43	-45	-50	-49	-
211	72	58	-52	-43	-44	-50	-48	-
212	73	18	-53	-43	-44	-50	-48	-
213	73	38	-52	-42	-44	-50	-47	-
214	73	58	-52	-42	-44	-49	-48	-
215	74	18	-52	-43	-44	-50	-48	-
216	74	38	-52	-42	-44	-48	-48	-
217	74	58	-53	-43	-44	-49	-48	-
218	75	18	-52	-42	-44	-49	-48	-
219	75	38	-52	-42	-44	-49	-48	-
220	75	57	-52	-42	-44	-49	-48	-
221	76	17	-53	-42	-44	-49	-48	-
222	76	37	-52	-41	-42	-48	-47	-
223	76	57	-52	-37	-40	-49	-47	-
224	77	17	-51	-26	-32	-48	-47	-
225	77	37	-52	-17	-24	-49	-47	-
226	77	57	-52	-11	-18	-48	-48	-
227	78	17	-51	-5	-13	-48	-47	-
228	78	37	-52	-2	-10	-48	-47	-
229	78	57	-51	0	-6	-48	-47	-
230	79	17	-52	4	-4	-48	-47	-
231	79	37	-51	5	-2	-48	-48	-
232	79	57	-51	8	0	-48	-50	-
233	80	17	-52	9	1	-48	-50	-
234	80	37	-50	11	5	-48	-50	-
235	80	57	-50	12	5	-48	-49	-
236	81	17	-51	15	7	-47	-48	-
237	81	37	-49	16	8	-47	-48	-
238	81	57	-49	19	10	-47	-46	-
239	82	17	-48	19	11	-47	-40	-
240	82	37	-46	22	12	-48	-30	-
241	82	57	-42	22	14	-47	-21	-
242	83	17	-38	24	15	-47	-14	-
243	83	33	-33	28	18	-47	0	-
244	83	56	-27	34	24	-46	14	-
245	84	16	-22	40	33	-46	24	-
246	84	36	-10	36	34	-46	35	-

627

-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
ER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
ET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
40	-45	-50	-50	-49	-52	-53	-52	-51
41	-44	-51	-50	-49	-52	-53	-52	-51
42	-43	-50	-50	-49	-52	-53	-52	-51
42	-43	-50	-50	-49	-52	-52	-53	-50
43	-43	-50	-50	-48	-51	-52	-52	-51
44	-44	-50	-49	-48	-52	-52	-52	-51
43	-43	-50	-49	-49	-52	-52	-52	-51
43	-44	-50	-50	-49	-51	-52	-52	-51
44	-44	-50	-49	-48	-51	-52	-52	-50
44	-43	-50	-48	-48	-51	-52	-52	-50
42	-44	-50	-48	-49	-52	-52	-53	-51
43	-44	-50	-48	-48	-51	-53	-52	-51
43	-44	-50	-49	-48	-50	-52	-52	-51
43	-45	-50	-49	-48	-51	-52	-53	-52
43	-44	-50	-48	-49	-52	-52	-53	-50
43	-44	-50	-48	-48	-51	-52	-52	-50
42	-44	-50	-47	-49	-52	-53	-52	-51
42	-44	-49	-48	-49	-51	-52	-52	-50
43	-44	-50	-48	-48	-50	-52	-52	-50
42	-44	-48	-48	-48	-51	-52	-53	-50
43	-44	-49	-48	-48	-50	-53	-52	-50
42	-44	-49	-48	-48	-50	-52	-52	-51
42	-44	-49	-48	-49	-51	-52	-52	-50
42	-44	-49	-48	-49	-51	-52	-52	-51
2	-44	-49	-48	-49	-51	-53	-52	-50
41	-42	-48	-47	-48	-50	-52	-52	-50
37	-40	-49	-47	-48	-50	-52	-52	-51
26	-32	-48	-47	-49	-50	-52	-52	-50
17	-24	-49	-47	-48	-51	-51	-52	-50
11	-18	-48	-48	-49	-51	-52	-52	-50
-5	-13	-48	-47	-49	-50	-52	-52	-50
-2	-10	-48	-47	-48	-50	-51	-51	-50
0	-6	-48	-47	-48	-50	-51	-51	-50
4	-4	-48	-47	-48	-50	-52	-51	-50
5	-2	-48	-48	-48	-50	-51	-51	-50
8	0	-48	-50	-49	-50	-51	-51	-50
9	1	-48	-50	-48	-50	-52	-51	-50
11	5	-48	-50	-48	-50	-51	-52	-49
12	5	-48	-49	-48	-50	-51	-51	-49
15	7	-47	-48	-47	-50	-51	-51	-50
16	8	-47	-48	-46	-48	-50	-52	-50
19	10	-47	-46	-45	-50	-50	-51	-50
19	11	-47	-40	-41	-50	-51	-51	-49
22	12	-48	-30	-34	-49	-50	-50	-50
22	14	-47	-21	-29	-49	-50	-51	-49
24	15	-47	-14	-22	-49	-50	-52	-50
28	18	-47	0	-7	-48	-51	-50	-49
34	24	-46	14	8	-50	-50	-52	-48
40	33	-46	24	21	-50	-52	-50	-50
36	34	-46	35	33	-49	-50	-50	-49

-01 SHEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5 EN N.G COO IN DE
247	84	56	11	36	36	-46	43	
248	85	16	25	44	42	-46	49	
249	85	36	31	49	48	-46	55	
250	85	56	37	53	52	-46	60	
251	86	16	42	57	55	-44	56	
252	86	36	47	61	57	-46	59	
253	86	56	50	62	56	-44	61	
254	87	17	52	66	55	-45	62	
255	87	37	54	65	56	-45	63	
256	87	57	54	68	56	-44	65	
257	88	17	55	68	56	-44	65	
258	88	37	55	69	55	-44	64	
259	88	57	55	69	56	-45	65	
260	89	17	55	68	55	-44	63	
261	89	37	55	70	58	-45	64	
262	89	57	54	69	55	-45	64	
263	90	17	54	70	56	-46	64	
264	90	37	55	70	56	-44	64	
265	90	57	55	71	56	-45	65	
266	91	17	55	71	56	-44	65	
267	91	37	56	72	57	-45	66	
268	91	58	55	71	58	-44	65	
269	92	18	56	72	55	-44	65	
270	92	38	55	72	55	-44	65	
271	92	58	56	71	56	-44	65	
272	93	19	55	73	57	-44	65	
273	93	39	56	72	57	-45	65	
274	93	59	56	73	57	-44	66	
275	94	19	55	74	58	-44	65	
276	94	40	56	73	56	-45	65	
277	95	0	56	75	56	-45	65	
278	95	20	56	74	56	-44	65	
279	95	41	56	74	57	-44	64	
280	96	1	56	73	56	-44	64	
281	96	22	55	73	57	-44	64	
282	96	42	55	74	57	-44	65	
283	97	3	56	74	56	-44	66	
284	97	23	55	76	57	-44	65	
285	97	44	56	75	58	-43	65	
286	98	4	56	76	58	-44	67	
287	98	25	56	77	57	-45	65	
288	98	45	56	78	57	-44	65	
289	99	6	56	80	58	-44	65	
290	99	26	56	79	59	-45	66	
291	99	47	56	79	56	-44	62	
292	100	8	56	80	58	-44	60	
293	100	28	56	81	59	-45	66	
294	100	49	57	81	58	-44	65	
295	101	10	58	82	59	-44	65	
296	101	31	58	84	59	-45	65	

S-06	S-07	S-08	S-09	S-10	S-11	S-12	S-13	S-14
NG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
OLER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
NLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
EG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
36	36	-46	43	42	-49	-51	-50	-50
44	42	-46	49	49	-50	-50	-50	-49
49	48	-46	56	55	-49	-51	-50	-49
53	52	-46	60	60	-48	-49	-50	-48
57	55	-44	56	65	-49	-50	-49	-48
61	57	-46	59	68	-48	-50	-50	-48
62	56	-44	61	72	-48	-50	-49	-48
66	55	-45	62	75	-48	-50	-49	-48
65	56	-45	63	77	-49	-50	-48	-48
68	56	-44	65	77	-49	-50	-48	-48
68	56	-44	65	80	-48	-50	-50	-48
69	55	-44	64	82	-48	-50	-49	-48
69	56	-45	65	83	-48	-49	-49	-48
68	55	-44	63	82	-48	-48	-47	-48
70	58	-45	64	82	-48	-49	-48	-48
69	55	-45	64	84	-49	-49	-48	-48
70	56	-46	64	84	-48	-50	-48	-48
70	56	-44	64	85	-48	-49	-48	-48
71	56	-45	65	85	-48	-50	-48	-48
71	56	-44	65	85	-48	-48	-48	-48
72	57	-45	66	86	-47	-48	-47	-48
71	58	-44	65	86	-48	-49	-48	-47
72	55	-44	65	86	-47	-49	-48	-47
72	55	-44	65	86	-48	-49	-48	-48
71	56	-44	65	86	-48	-49	-47	-47
73	57	-44	65	87	-47	-48	-46	-46
72	57	-45	65	88	-47	-48	-47	-47
73	57	-44	66	88	-47	-48	-46	-47
74	58	-44	65	87	-48	-48	-46	-47
73	56	-45	65	88	-47	-48	-46	-47
75	56	-45	65	88	-47	-47	-46	-46
74	56	-44	65	89	-48	-46	-46	-46
74	57	-44	64	89	-47	-47	-46	-45
73	56	-44	64	88	-46	-48	-45	-46
73	57	-44	64	87	-47	-47	-45	-46
74	57	-44	65	88	-47	-47	-45	-45
74	56	-44	66	88	-46	-48	-45	-46
75	57	-44	65	88	-46	-46	-45	-46
75	58	-43	65	88	-46	-48	-44	-45
75	58	-44	67	88	-46	-47	-45	-46
77	57	-45	65	89	-46	-47	-45	-45
78	57	-44	65	89	-46	-46	-44	-45
80	58	-44	65	89	-44	-46	-44	-45
79	59	-45	66	89	-45	-46	-42	-45
79	56	-44	62	90	-45	-46	-44	-44
80	58	-44	66	88	-46	-46	-44	-45
81	59	-45	66	90	-45	-45	-43	-44
81	58	-44	65	89	-45	-46	-42	-44
82	59	-44	65	90	-44	-45	-42	-45
84	59	-45	69	89	-44	-44	-43	-44

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DES.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
297	101	51	57	84	60	-43	66
298	102	12	58	85	58	-45	66
299	102	33	58	83	59	-44	66
300	102	54	59	83	59	-44	65
301	103	15	58	85	59	-44	65
302	103	35	58	86	59	-44	65
303	103	56	58	85	59	-45	65
304	104	17	58	85	59	-46	67
305	104	38	59	85	59	-45	69
306	104	59	59	85	59	-44	68
307	105	20	58	85	59	-45	66
308	105	41	58	85	58	-45	65
309	106	2	58	84	58	-45	64
310	106	23	58	85	58	-45	65
311	106	44	57	83	58	-45	67
312	107	5	58	86	58	-44	67
313	107	26	56	86	58	-46	64
314	107	47	57	87	58	-45	65
315	108	8	57	87	59	-46	64
316	108	29	57	88	58	-46	65
317	108	50	59	87	59	-45	64
318	109	11	58	88	59	-46	65
319	109	32	57	88	59	-46	64
320	109	53	56	88	58	-46	65
321	110	13	57	87	58	-46	64
322	110	34	57	87	58	-46	64
323	110	55	57	88	57	-46	64
324	111	16	57	88	58	-46	64
325	111	37	57	88	58	-46	65
326	111	58	56	89	58	-46	65
327	112	19	58	88	58	-46	65
328	112	40	57	87	59	-46	66
329	113	0	57	85	59	-46	66
330	113	21	58	88	58	-45	66
331	113	42	57	86	59	-46	66
332	114	3	57	85	57	-45	64
333	114	24	58	83	56	-44	63
334	114	45	56	82	56	-44	64
335	115	5	56	81	56	-44	65
336	115	26	56	80	56	-44	64
337	115	47	56	79	55	-44	64
338	116	8	56	79	55	-43	63
339	116	28	54	79	55	-43	62
340	116	49	55	78	55	-43	63
341	117	10	55	80	55	-43	64
342	117	31	55	77	56	-43	63
343	117	51	55	78	56	-44	64
344	118	12	55	77	56	-44	64
345	118	33	55	77	56	-44	63
346	118	54	55	77	55	-44	63

-06 G.1 OIL LER LET OIL G.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
84	60	-43	66	91	-43	-45	-42	-44
85	58	-45	66	91	-43	-45	-42	-44
83	59	-44	66	91	-44	-45	-43	-44
83	59	-44	65	91	-43	-45	-42	-44
85	59	-44	65	90	-44	-44	-41	-44
86	59	-44	65	91	-43	-44	-42	-43
85	59	-45	65	91	-43	-44	-42	-43
85	59	-46	67	91	-43	-44	-42	-43
85	59	-45	69	91	-42	-44	-41	-43
85	59	-44	68	91	-43	-45	-42	-44
85	59	-45	66	91	-42	-45	-42	-43
85	58	-45	65	90	-43	-44	-41	-43
84	58	-45	64	91	-43	-44	-42	-43
85	58	-45	65	91	-43	-44	-42	-43
83	58	-45	67	90	-42	-44	-42	-43
86	58	-44	67	91	-43	-44	-42	-42
86	58	-46	64	92	-41	-44	-42	-42
87	58	-45	65	92	-42	-44	-42	-42
87	59	-46	64	92	-41	-44	-42	-42
88	58	-46	65	92	-41	-44	-42	-42
87	59	-45	64	92	-40	-44	-42	-42
88	59	-46	65	92	-40	-43	-42	-42
88	59	-46	64	92	-40	-42	-41	-42
88	58	-46	65	92	-42	-44	-40	-41
87	58	-46	64	92	-40	-42	-42	-42
87	58	-46	64	91	-40	-44	-41	-42
88	57	-46	64	92	-40	-42	-42	-41
88	58	-46	64	91	-41	-43	-42	-41
88	58	-46	65	91	-40	-43	-42	-41
89	58	-46	65	91	-41	-42	-41	-42
89	58	-46	65	92	-40	-43	-40	-41
87	59	-46	66	92	-39	-43	-42	-41
86	59	-46	66	92	-40	-42	-41	-42
88	58	-45	66	93	-39	-42	-41	-42
86	59	-46	66	92	-40	-42	-41	-40
85	57	-45	64	92	-40	-44	-41	-39
83	56	-44	63	90	-39	-42	-40	-41
82	56	-44	64	89	-40	-42	-40	-40
81	56	-44	63	88	-39	-43	-40	-41
80	56	-44	64	88	-36	-42	-40	-40
79	55	-44	64	88	-39	-43	-40	-40
79	55	-43	63	88	-39	-42	-41	-40
79	55	-43	62	88	-39	-42	-40	-40
78	55	-43	63	87	-39	-43	-40	-40
80	55	-43	64	86	-39	-43	-40	-40
77	56	-43	63	87	-38	-42	-40	-40
76	56	-44	64	86	-38	-42	-40	-40
77	56	-44	64	87	-37	-42	-40	-40
77	56	-44	63	86	-38	-42	-40	-40
77	55	-44	63	86	-38	-42	-40	-39

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	E N. CO I D
347	119	14	56	77	55	-43	64	
348	119	35	54	76	55	-43	62	
349	119	56	55	75	54	-43	62	
350	120	16	54	74	54	-44	62	
351	120	37	52	73	52	-44	61	
352	120	57	53	73	52	-42	61	
353	121	18	52	72	52	-43	61	
354	121	39	52	71	54	-43	62	
355	121	59	52	73	53	-43	62	
356	122	20	52	71	53	-44	62	
357	122	40	52	71	54	-44	62	
358	123	1	52	71	53	-44	63	
359	123	22	52	71	52	-44	61	
360	123	42	52	71	53	-43	62	
361	124	3	52	70	53	-44	62	
362	124	23	52	71	54	-43	63	
363	124	44	52	69	57	-42	69	
364	125	4	52	65	58	-42	61	
365	125	25	53	63	56	-41	59	
366	125	45	53	61	55	-41	56	
367	126	6	52	59	54	-40	56	
368	126	26	52	56	46	-40	55	
369	126	46	52	55	48	-40	52	
370	127	7	52	54	48	-39	51	
371	127	27	51	52	46	-40	49	
372	127	48	51	51	44	-38	48	
373	128	8	51	48	42	-39	49	
374	128	28	50	45	41	-38	45	
375	128	49	50	44	39	-37	44	
376	129	9	49	41	38	-37	43	
377	129	30	48	41	38	-38	42	
378	129	50	48	40	38	-38	41	
379	130	10	48	39	38	-37	40	
380	130	31	48	37	37	-38	39	
381	130	51	46	36	37	-36	39	
382	131	11	48	35	38	-37	38	
383	131	32	46	34	37	-36	37	
384	131	52	47	33	38	-37	36	
385	132	12	47	32	38	-36	36	
386	132	33	46	32	37	-36	36	
387	132	53	46	30	38	-36	35	
388	133	13	46	29	38	-36	35	
389	133	34	45	28	38	-36	34	
390	133	54	45	27	38	-36	34	
391	134	14	45	25	37	-36	33	
392	134	34	45	25	37	-35	33	
393	134	55	44	24	36	-36	31	
394	135	15	44	22	37	-35	31	
395	135	35	45	22	36	-36	30	
396	135	55	44	21	37	-36	29	

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
77	55	-43	64	86	-37	-42	-40	-40
76	55	-43	62	86	-38	-42	-40	-40
75	54	-43	62	86	-39	-41	-41	-40
74	54	-44	62	85	-38	-43	-40	-40
73	52	-44	61	86	-38	-42	-40	-40
73	52	-42	61	85	-38	-43	-40	-40
72	52	-43	61	86	-38	-42	-41	-40
71	54	-43	62	85	-38	-43	-40	-40
73	53	-43	62	85	-37	-42	-40	-40
71	53	-44	62	85	-38	-42	-41	-39
71	54	-44	62	85	-38	-42	-40	-39
71	53	-44	63	85	-38	-42	-40	-39
71	52	-44	61	85	-37	-42	-40	-39
71	53	-43	62	85	-37	-42	-40	-39
70	53	-44	62	85	-37	-41	-40	-39
71	54	-43	63	85	-38	-42	-39	-38
69	57	-42	69	84	-38	-42	-40	-39
65	58	-42	61	81	-37	-42	-40	-39
63	56	-41	59	78	-38	-41	-39	-38
61	55	-41	56	76	-37	-42	-40	-39
59	54	-40	56	74	-37	-42	-40	-38
56	46	-40	55	73	-37	-42	-40	-39
55	48	-40	52	70	-36	-42	-40	-38
54	48	-39	51	70	-37	-42	-40	-38
52	46	-40	49	68	-37	-42	-40	-39
51	44	-38	48	67	-37	-42	-40	-38
50	42	-39	49	66	-38	-41	-41	-38
5	41	-38	45	66	-37	-42	-40	-38
4	39	-37	44	65	-37	-42	-40	-38
1	38	-37	43	64	-38	-42	-40	-38
1	38	-38	42	64	-37	-42	-40	-38
0	38	-38	41	63	-38	-42	-40	-38
9	38	-37	40	62	-37	-42	-40	-38
7	37	-38	39	60	-38	-42	-40	-38
6	37	-36	39	59	-37	-42	-40	-39
5	38	-37	38	59	-37	-42	-40	-38
4	37	-36	37	58	-38	-42	-40	-38
3	38	-37	36	57	-37	-41	-40	-38
2	38	-36	36	56	-37	-41	-38	-38
2	37	-36	36	55	-35	-40	-39	-37
0	38	-36	35	54	-36	-40	-39	-37
9	38	-36	35	54	-35	-40	-40	-37
8	38	-36	34	52	-36	-41	-40	-38
7	38	-36	34	51	-36	-41	-40	-38
5	37	-36	33	49	-36	-42	-40	-38
5	37	-35	33	50	-37	-41	-39	-38
4	36	-36	31	49	-36	-41	-40	-38
2	37	-35	31	48	-36	-41	-39	-38
2	36	-36	30	47	-36	-42	-40	-38
1	37	-36	29	45	-36	-41	-40	-38

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
397	136	16	44	19	37	-35	30
398	136	36	44	19	36	-36	28
399	136	56	43	18	36	-35	28
400	137	17	44	17	36	-35	28
401	137	37	43	17	36	-35	27
402	137	57	43	16	37	-36	27
403	138	17	43	15	37	-35	27
404	138	38	43	15	36	-35	26
405	138	58	42	14	36	-35	25
406	139	18	42	13	36	-35	25
407	139	38	43	13	36	-35	25
408	139	58	42	12	36	-34	24
409	140	19	42	12	36	-34	24
410	140	39	42	11	36	-34	24
411	140	59	42	11	37	-33	24
412	141	19	42	9	36	-34	23
413	141	39	42	10	37	-33	23
414	142	0	42	9	36	-34	22
415	142	20	42	9	36	-34	22
416	142	40	42	7	36	-34	21
417	143	0	40	7	36	-34	21
418	143	20	40	7	36	-34	21
419	143	40	40	7	36	-34	20
420	144	1	40	5	36	-34	19
421	144	21	40	5	35	-34	19
422	144	41	41	4	35	-34	19
423	145	1	41	4	36	-34	19
424	145	21	40	4	35	-34	19
425	145	41	41	3	35	-33	18
426	146	1	40	2	35	-34	18
427	146	21	39	2	35	-34	17
428	146	41	40	1	36	-34	17
429	147	1	40	1	35	-34	17
430	147	22	39	1	34	-34	16
431	147	42	39	1	35	-33	17
432	148	2	39	0	35	-32	16
433	148	22	39	0	35	-34	17
434	148	42	39	0	35	-33	16
435	149	2	39	0	35	-33	15
436	149	22	38	0	34	-33	15
437	149	42	39	-0	34	-33	14
438	150	2	38	-0	34	-33	15
439	150	23	38	-2	34	-33	14
440	150	43	38	-2	34	-33	14
441	151	3	39	-2	34	-33	14
442	151	23	38	-2	34	-33	13
443	151	43	38	-2	34	-33	13
444	152	3	38	-4	34	-34	13
445	*	*	*	*	*	*	*

5-06 ENG.1 OIL OLER NLET OIL EG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
19	37	-35	30	45	-37	-42	-40	-38
19	36	-36	28	44	-36	-42	-40	-38
18	36	-35	28	45	-36	-41	-41	-38
17	36	-35	28	44	-37	-42	-40	-38
17	36	-35	27	43	-36	-41	-40	-38
16	37	-36	27	42	-36	-41	-40	-38
15	37	-35	27	41	-36	-41	-40	-38
15	36	-35	26	41	-37	-42	-40	-38
14	36	-35	25	40	-37	-42	-40	-38
13	36	-35	25	39	-36	-41	-40	-38
13	36	-35	25	39	-36	-41	-40	-38
12	36	-34	24	38	-36	-40	-40	-38
12	36	-34	24	38	-36	-41	-40	-37
11	36	-34	24	38	-35	-41	-39	-38
11	37	-33	24	38	-36	-41	-40	-37
9	36	-34	23	36	-36	-40	-39	-37
10	37	-33	23	36	-36	-40	-40	-37
9	36	-34	22	35	-36	-41	-39	-37
9	36	-34	22	35	-36	-40	-39	-38
7	36	-34	21	34	-36	-41	-40	-37
7	36	-34	21	34	-36	-40	-40	-38
7	36	-34	21	34	-36	-40	-40	-38
7	36	-34	20	34	-36	-41	-40	-38
5	36	-34	19	33	-36	-41	-40	-38
5	35	-34	19	31	-37	-40	-41	-38
4	35	-34	19	31	-37	-42	-40	-38
4	36	-34	19	31	-36	-41	-40	-38
4	35	-34	19	31	-37	-42	-40	-38
3	35	-33	18	31	-36	-42	-40	-38
2	35	-34	18	29	-36	-41	-40	-38
2	35	-34	17	29	-36	-41	-40	-38
1	36	-34	17	28	-36	-42	-40	-38
1	35	-34	17	28	-37	-42	-41	-38
1	34	-34	16	28	-36	-42	-41	-38
1	35	-33	17	28	-36	-41	-40	-38
0	35	-32	16	27	-36	-41	-40	-38
0	35	-34	17	27	-36	-41	-40	-38
0	35	-33	16	27	-37	-40	-40	-38
0	35	-33	15	26	-36	-41	-41	-38
0	34	-33	15	25	-37	-42	-40	-38
-0	34	-33	14	25	-37	-41	-41	-38
-0	34	-33	15	25	-36	-41	-40	-38
-2	34	-33	14	24	-37	-41	-40	-38
-2	34	-33	14	24	-37	-42	-40	-38
-2	34	-33	14	24	-36	-41	-40	-38
-2	34	-33	13	23	-37	-42	-40	-38
-2	34	-33	13	24	-36	-41	-40	-37
-4	34	-34	13	23	-37	-41	-40	-37
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HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
1	0	11	-52	-54	-53	-52	-52
2	0	31	-52	-53	-54	-53	-52
3	0	51	-52	-54	-53	-53	-52
4	1	12	-52	-53	-53	-52	-52
5	1	32	-52	-53	-53	-53	-52
6	1	52	-52	-53	-53	-53	-52
7	2	12	-52	-53	-54	-53	-52
8	2	32	-52	-53	-54	-53	-52
9	2	52	-52	-53	-54	-53	-52
10	3	12	-52	-53	-53	-53	-52
11	3	32	-53	-53	-53	-53	-52
12	3	52	-52	-53	-53	-53	-53
13	4	12	-52	-53	-54	-52	-52
14	4	32	-52	-54	-54	-54	-53
15	4	52	-52	-53	-54	-54	-52
16	5	12	-52	-54	-54	-53	-52
17	5	32	-52	-53	-54	-54	-52
18	5	52	-52	-53	-54	-53	-52
19	6	12	-52	-53	-52	-53	-52
20	6	32	-52	-53	-54	-53	-52
21	6	52	-52	-53	-54	-53	-52
22	7	11	-52	-53	-54	-53	-52
23	7	31	-52	-53	-53	-53	-52
24	7	51	-52	-53	-54	-52	-52
25	8	11	-52	-53	-54	-52	-52
26	8	31	-53	-53	-54	-52	-52
27	8	51	-52	-53	-53	-53	-52
28	9	14	-52	-53	-53	-52	-52
29	9	34	-52	-53	-52	-52	-52
30	9	54	-52	-53	-54	-52	-52
31	10	14	-52	-53	-53	-52	-52
32	10	34	-52	-53	-54	-52	-52
33	10	54	-52	-53	-54	-52	-52
34	11	14	-52	-53	-53	-53	-52
35	11	34	-52	-54	-53	-53	-53
36	11	54	-52	-53	-54	-52	-52
37	15	31	-52	-53	-53	-52	-52
38	15	51	-51	-53	-53	-52	-52
39	16	11	-52	-53	-53	-52	-52
40	16	31	-52	-53	-53	-52	-52
41	16	51	-51	-53	-53	-52	-52
42	17	11	-52	-53	-52	-52	-52
43	17	31	-51	-53	-53	-52	-52
44	17	51	-52	-53	-52	-52	-51
45	18	11	-52	-53	-54	-52	-52

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-16 AIN BOX LER LET OIL G.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
-54	-53	-52	-52	-53	-53	-53	-53	-54
53	-54	-53	-52	-53	-53	-53	-53	-53
54	-53	-53	-52	-53	-54	-53	-53	-54
53	-53	-52	-52	-54	-54	-52	-53	-53
53	-53	-53	-52	-54	-54	-53	-53	-54
53	-53	-53	-52	-53	-54	-53	-54	-54
53	-54	-53	-52	-53	-53	-54	-53	-54
53	-54	-53	-52	-54	-54	-54	-54	-54
53	-54	-53	-52	-54	-54	-54	-54	-54
53	-53	-53	-52	-54	-54	-54	-54	-54
53	-53	-53	-52	-54	-54	-53	-54	-54
53	-53	-53	-53	-54	-54	-54	-54	-54
53	-54	-52	-52	-53	-54	-53	-54	-54
54	-54	-54	-53	-54	-54	-54	-54	-54
53	-54	-54	-52	-54	-54	-54	-53	-54
54	-54	-53	-52	-54	-54	-54	-54	-54
53	-54	-54	-52	-53	-53	-53	-54	-53
53	-54	-53	-52	-54	-53	-54	-54	-53
53	-52	-53	-52	-53	-54	-54	-54	-54
53	-54	-53	-52	-54	-54	-54	-54	-54
53	-54	-53	-52	-53	-53	-54	-54	-54
53	-54	-53	-52	-54	-53	-53	-54	-54
53	-53	-53	-52	-54	-54	-54	-54	-54
53	-54	-52	-52	-54	-53	-53	-54	-54
53	-54	-52	-52	-54	-52	-53	-53	-52
53	-54	-52	-52	-54	-53	-53	-54	-53
53	-53	-53	-52	-54	-52	-54	-54	-53
53	-53	-52	-52	-54	-52	-53	-53	-54
53	-52	-52	-52	-54	-52	-53	-53	-54
53	-54	-52	-52	-54	-53	-53	-53	-53
53	-53	-52	-52	-54	-52	-52	-53	-53
53	-54	-52	-52	-54	-53	-53	-54	-53
53	-54	-52	-52	-54	-53	-53	-53	-53
53	-53	-53	-52	-54	-52	-53	-54	-54
54	-53	-53	-53	-54	-52	-53	-54	-54
53	-54	-52	-52	-53	-52	-53	-53	-54
53	-53	-52	-52	-53	-53	-53	-53	-53
53	-53	-52	-52	-53	-52	-52	-53	-54
53	-53	-52	-52	-54	-53	-52	-53	-53
53	-53	-52	-52	-54	-52	-53	-53	-53
53	-53	-52	-52	-53	-52	-53	-53	-54
53	-52	-52	-52	-53	-53	-53	-53	-53
53	-53	-52	-52	-54	-52	-52	-54	-54
53	-52	-52	-51	-54	-53	-52	-53	-53
53	-54	-52	-52	-54	-53	-52	-54	-53

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5- GEN. MA TE DEG.
46	18	31	-52	-53	-53	-52	-52	-5
47	18	51	-52	-53	-54	-52	-52	-5
48	19	11	-52	-53	-53	-53	-52	-5
50	19	34	-41	-52	-52	-52	-52	-4
51	19	54	-41	-52	-52	-52	-51	-4
52	20	14	-41	-52	-52	-52	-52	-4
53	20	34	-40	-52	-52	-52	-52	-4
54	20	54	-41	-52	-53	-52	-52	-4
55	21	14	-41	-52	-52	-52	-51	-4
56	21	35	-42	-52	-52	-51	-51	-4
57	21	55	-41	-52	-52	-52	-51	-4
58	22	15	-42	-52	-52	-52	-51	-4
59	22	35	-42	-52	-52	-51	-50	-4
60	22	55	-42	-52	-52	-51	-51	-4
61	23	15	-42	-52	-52	-51	-51	-4
62	23	35	-43	-52	-52	-52	-52	-4
63	23	55	-43	-52	-52	-52	-51	-4
64	24	15	-43	-52	-52	-52	-51	-4
65	24	27	-50	-51	-51	-51	-51	-4
66	24	40	-46	-52	-52	-51	-51	-5
67	25	0	-46	-52	-52	-51	-50	-4
68	25	20	-46	-52	-52	-51	-51	-5
69	25	40	-46	-52	-52	-51	-51	-5
70	26	0	-46	-52	-52	-52	-51	-5
71	26	21	-46	-52	-52	-51	-51	-5
72	26	41	-46	-52	-52	-52	-51	-5
73	27	1	-46	-52	-52	-51	-51	-4
74	27	21	-46	-52	-52	-51	-51	-4
75	27	41	-45	-52	-52	-51	-51	-4
76	28	1	-46	-52	-52	-51	-51	-4
77	28	21	-45	-52	-52	-52	-51	-4
78	28	41	-46	-52	-52	-51	-51	-4
79	29	1	-45	-52	-52	-51	-50	-5
80	29	21	-46	-52	-52	-51	-51	-5
81	29	41	-46	-52	-52	-51	-51	-4
82	30	1	-46	-52	-52	-52	-51	-4
83	30	21	-46	-51	-52	-52	-51	-5
84	30	41	-46	-52	-52	-51	-51	-4
85	31	1	-47	-52	-52	-51	-52	-4
86	31	21	-46	-52	-52	-52	-51	-4
87	31	41	-47	-52	-52	-51	-51	-4
88	32	1	-46	-52	-52	-52	-51	-4
89	32	21	-46	-52	-52	-52	-52	-4
90	32	41	-46	-52	-53	-52	-52	-4
91	33	1	-46	-52	-53	-52	-51	-4
92	33	21	-44	-52	-52	-52	-51	-4
93	33	41	-42	-52	-52	-52	-51	-4
94	34	1	-38	-52	-52	-51	-51	-4
95	34	21	-33	-52	-52	-51	-51	-4
96	34	41	-28	-52	-52	-51	-50	-4

5-16 MAIN BOX LER LET OIL G.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
-53	-53	-52	-52	-54	-53	-53	-53	-53
-53	-54	-52	-52	-53	-52	-53	-53	-54
-53	-53	-53	-52	-54	-53	-53	-53	-54
-52	-52	-52	-52	-46	-53	-52	-52	-53
-52	-52	-52	-51	-46	-52	-52	-53	-53
-52	-52	-52	-52	-46	-52	-52	-52	-52
-52	-52	-52	-52	-47	-52	-52	-52	-53
-52	-53	-52	-52	-48	-52	-52	-53	-53
-52	-52	-52	-51	-48	-52	-52	-52	-53
-52	-52	-51	-51	-48	-52	-52	-52	-53
-52	-52	-52	-51	-48	-52	-52	-52	-53
-52	-52	-52	-51	-48	-52	-52	-52	-52
-52	-52	-51	-50	-47	-52	-52	-52	-52
-52	-52	-51	-51	-48	-51	-51	-52	-52
-52	-52	-51	-51	-48	-52	-52	-53	-53
-52	-52	-52	-52	-48	-52	-52	-53	-53
-52	-52	-52	-51	-48	-53	-52	-53	-52
-52	-52	-52	-51	-48	-52	-52	-52	-53
-51	-51	-51	-51	-49	-51	-52	-52	-52
-52	-52	-51	-51	-50	-52	-52	-52	-52
-52	-52	-51	-50	-49	-52	-52	-53	-52
-52	-52	-51	-51	-50	-52	-52	-52	-52
-52	-52	-51	-51	-50	-52	-52	-52	-52
-52	-52	-52	-51	-50	-52	-52	-52	-52
-52	-52	-51	-51	-50	-52	-52	-52	-52
-52	-52	-52	-51	-50	-52	-52	-52	-53
-52	-52	-51	-51	-49	-52	-52	-52	-52
-52	-52	-51	-51	-49	-51	-52	-53	-52
-52	-52	-51	-51	-49	-52	-52	-52	-52
-52	-52	-51	-51	-49	-53	-52	-53	-52
-52	-52	-52	-51	-49	-52	-52	-53	-52
-52	-52	-51	-51	-49	-51	-52	-52	-52
-52	-52	-51	-50	-50	-51	-52	-52	-52
-52	-52	-51	-51	-50	-51	-51	-52	-52
-52	-52	-51	-51	-49	-52	-52	-52	-53
-52	-52	-52	-51	-49	-51	-52	-53	-53
-51	-52	-52	-51	-50	-52	-52	-52	-52
-52	-52	-51	-51	-49	-52	-52	-52	-53
-52	-52	-51	-52	-49	-51	-52	-53	-53
-52	-52	-52	-51	-49	-52	-52	-53	-52
-52	-52	-51	-51	-49	-51	-52	-53	-53
-52	-52	-52	-51	-48	-50	-52	-53	-53
-52	-52	-52	-52	-48	-51	-52	-52	-53
-52	-53	-52	-52	-48	-51	-52	-53	-52
-52	-53	-52	-51	-47	-51	-52	-53	-52
-52	-52	-52	-51	-46	-48	-52	-52	-53
-52	-52	-52	-51	-45	-47	-52	-52	-53
-52	-52	-51	-51	-45	-46	-51	-52	-52
-52	-52	-51	-51	-44	*	*	*	-53
-52	-52	-51	-50	-43	-51	-51	-52	-52

2

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
97	35	1	-25	-52	-52	-52	-51
98	35	21	-24	-52	-53	-51	-51
99	35	41	-21	-52	-53	-51	-51
100	36	1	-16	-52	-52	-51	-51
101	36	21	-11	-52	-52	-52	-51
102	36	41	-8	-52	-52	-51	-51
103	37	1	-5	-52	-52	-52	-51
104	37	21	-3	-52	-52	-52	-51
105	37	41	-1	-52	-52	-52	-51
106	38	1	0	-52	-52	-51	-51
107	38	21	1	-52	-52	-51	-51
108	38	41	2	-53	-52	-51	-51
109	39	1	3	-52	-52	-52	-51
110	39	21	4	-52	-52	-52	-51
111	39	41	5	-52	-52	-51	-51
112	40	1	7	-52	-52	-51	-51
113	40	21	8	-52	-52	-51	-50
114	40	41	9	-52	-52	-52	-50
115	41	1	11	-52	-52	-51	-51
116	41	21	11	-52	-52	-51	-51
117	41	41	13	-52	-51	-52	-51
118	42	1	13	-52	-52	-51	-51
119	42	21	14	-52	-52	-52	-51
120	42	41	15	-52	-51	-51	-51
121	43	1	17	-51	-53	-50	-51
122	43	21	17	-52	-52	-51	-51
123	43	41	18	-52	-52	-51	-51
124	44	1	19	-52	-52	-51	-51
125	44	21	20	-52	-52	-51	-51
126	44	41	20	-52	-52	-51	-51
127	45	1	22	-52	-52	-51	-52
128	45	21	22	-52	-52	-51	-51
129	45	41	22	-52	-52	-51	-51
130	46	1	23	-52	-52	-51	-51
131	46	21	24	-52	-52	-51	-51
132	46	41	25	-52	-52	-51	-50
133	47	1	25	-52	-51	-51	-50
134	47	21	26	-52	-51	-51	-51
135	47	41	26	-51	-52	-51	-50
136	48	1	27	-52	-52	-51	-51
137	48	21	27	-52	-52	-51	-52
138	48	41	28	-52	-51	-51	-51
139	49	1	28	-52	-52	-51	-50
140	49	21	29	-52	-51	-51	-51
141	49	41	29	-52	-52	-51	-51
142	50	1	30	-52	-51	-51	-51
143	50	20	30	-52	-52	-51	-50
144	50	40	31	-52	-51	-51	-51
145	51	0	31	-52	-52	-51	-51
146	51	20	32	-52	-52	-51	-51

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
-52	-52	-52	-51	-43	-51	-52	-53	-53
-52	-53	-51	-51	-42	-40	-51	-52	-51
-52	-53	-51	-51	-40	-51	-52	-52	-52
-52	-52	-51	-51	-40	-48	-51	-52	-52
-52	-52	-52	-51	-40	-50	-51	-52	-52
-52	-52	-51	-51	-38	-51	-52	-53	-53
-52	-52	-52	-51	-38	-51	-52	-53	-52
-52	-52	-52	-51	-37	-51	-52	-52	-53
-52	-52	-52	-51	-36	-51	-52	-52	-52
-52	-52	-51	-51	-35	-51	-52	-52	-53
-52	-52	-51	-51	-34	-50	-51	-52	-52
-53	-52	-51	-51	-34	-52	-52	-53	-52
-52	-52	-52	-51	-32	-50	-52	-52	-52
-52	-52	-52	-51	-31	-50	-51	-53	-52
-52	-52	-51	-51	-30	-50	-51	-52	-52
-52	-52	-51	-51	-29	-50	-51	-52	-52
-52	-52	-51	-50	-28	-50	-51	-52	-52
-52	-52	-52	-50	-27	-50	-51	-52	-53
-52	-52	-51	-51	-25	-49	-51	-52	-53
-52	-52	-51	-51	-26	-50	-51	-52	-52
-52	-51	-52	-51	-24	-50	-51	-52	-52
-52	-52	-51	-51	-24	-48	-51	-52	-52
-52	-52	-52	-51	-22	-48	-51	-52	-52
-52	-51	-51	-51	-21	-48	-51	-53	-52
-51	-53	-50	-51	-20	-49	-51	-52	-52
-52	-52	-51	-51	-20	-49	-50	-53	-52
-52	-52	-51	-51	-19	-48	-51	-53	-52
-52	-52	-51	-51	-18	-48	-51	-52	-52
-52	-52	-51	-51	-17	-48	-51	-53	-52
-52	-52	-51	-51	-16	-47	-51	-52	-53
-52	-52	-51	-52	-15	-48	-51	-53	-53
-52	-52	-51	-51	-15	-47	-51	-53	-52
-52	-52	-51	-51	-13	-47	-50	-52	-53
-52	-52	-51	-51	-13	-47	-51	-52	-53
-52	-52	-51	-51	-12	-47	-51	-52	-52
-52	-52	-51	-50	-12	-46	-51	-52	-53
-52	-51	-51	-50	-11	-46	-51	-52	-52
-52	-51	-51	-51	-10	-46	-50	-52	-52
-51	-52	-51	-50	-9	-46	-50	-52	-52
-52	-52	-51	-51	-8	-46	-50	-52	-52
-52	-52	-51	-52	-8	-46	-51	-52	-52
-52	-51	-51	-51	-7	-46	-50	-52	-52
-52	-52	-51	-50	-7	-46	-50	-52	-52
-52	-51	-51	-51	-6	-45	-50	-52	-52
-52	-52	-51	-51	-6	-45	-50	-52	-52
-52	-51	-51	-51	-6	-44	-50	-52	-52
-52	-52	-51	-50	-4	-45	-50	-52	-52
-52	-51	-51	-51	-4	-45	-50	-52	-52
-52	-52	-51	-51	-4	-45	-50	-52	-52
-52	-52	-51	-51	-2	-44	-50	-52	-52

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
147	51	40	32	-52	-52	-52	-51
148	52	0	32	-52	-51	-51	-51
149	52	20	33	-52	-51	-51	-51
150	52	40	33	-52	-52	-51	-51
151	53	0	34	-52	-52	-51	-50
152	53	20	34	-51	-51	-51	-51
153	53	40	34	-52	-51	-51	-51
154	54	0	35	-52	-52	-51	-51
155	54	20	35	-52	-51	-51	-50
156	54	40	36	-52	-52	-51	-51
157	55	0	36	-52	-52	-51	-51
158	55	20	36	-51	-51	-51	-51
159	55	40	36	-52	-52	-51	-51
160	56	0	37	-51	-52	-51	-51
161	56	20	37	-51	-51	-51	-51
162	56	40	38	-51	-51	-51	-51
163	57	0	38	-52	-51	-51	-51
164	57	20	38	-51	-51	-51	-51
165	57	40	38	-52	-51	-50	-50
166	58	0	38	-52	-52	-50	-50
167	58	20	39	-52	-50	-50	-51
168	58	40	39	-51	-51	-51	-50
169	59	0	39	-51	-51	-51	-50
170	59	20	39	-52	-50	-51	-51
171	59	40	40	-52	-51	-51	-50
172	60	0	41	-51	-51	-51	-51
173	60	19	41	-52	-50	-50	-50
174	60	39	41	-51	-50	-50	-51
175	60	59	41	-51	-51	-51	-51
176	61	19	42	-51	-51	-51	-50
177	61	39	42	-51	-51	-50	-51
178	61	59	42	-51	-51	-51	-50
179	62	19	42	-52	-50	-50	-50
180	62	39	42	-52	-51	-51	-51
181	62	59	43	-51	-52	-50	-50
182	63	19	44	-51	-50	-51	-51
183	63	39	44	-51	-51	-51	-50
184	63	59	44	-51	-51	-50	-51
185	64	19	44	-50	-50	-50	-50
186	64	39	44	-51	-51	-53	-54
187	64	59	44	-50	-51	-51	-51
188	65	19	44	-53	-50	-48	-48
189	65	39	45	-48	-51	-49	-53
190	65	59	45	-51	-51	-51	-51
191	66	19	45	-51	-50	-51	-50
192	66	39	45	-51	-51	-50	-51
193	66	59	46	-51	-50	-50	-50
194	67	19	46	-51	-50	-50	-50
195	67	39	45	-51	-51	-50	-50
196	67	49	47	-51	-51	-50	-50

5-16	5-17	5-18	5-19	5-20	5-21	5-22	5-23	5-24
AIN	MAIN	INTER.	TAIL	GEN.1	FUEL	L.ELEC	L.ELEC	L.ELEC
BOX	G.BOX	GEAR	GEAR	MASS	TEMP.	COMPT	COMPT	COMPT
LER	COOLER	BOX	BOX	TEMP	TO	TOPCTR	BTM RT	BTMLFT
LET	OUTLET	OIL	OIL		COMBST	AIR	AIR	AIR
OIL	OIL	TEMP	TEMP		HEATER	TEMP	TEMP	TEMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
-52	-52	-52	-51	-2	-45	-50	-52	-52
-52	-51	-51	-51	-2	-44	-50	-52	-52
-52	-51	-51	-51	-2	-44	-50	-52	-52
-52	-52	-51	-51	-1	-44	-50	-52	-52
-52	-52	-51	-50	-1	-44	-49	-52	-52
-51	-51	-51	-51	0	-44	-50	-52	-52
-52	-51	-51	-51	0	-44	-48	-52	-52
-52	-52	-51	-51	1	-44	-49	-52	-52
-52	-51	-51	-50	1	-44	-49	-52	-52
-52	-52	-51	-51	0	-44	-49	-52	-52
-52	-52	-51	-51	1	-44	-48	-52	-52
-51	-51	-51	-51	2	-43	-48	-52	-52
-52	-52	-51	-51	1	-44	-48	-52	-52
-51	-52	-51	-51	2	-43	-48	-52	-52
-51	-51	-51	-51	3	-42	-48	-52	-51
-51	-51	-51	-51	2	-44	-48	-52	-52
-52	-51	-51	-51	3	-44	-48	-52	-51
-51	-51	-51	-51	4	-43	-47	-52	-52
-52	-51	-50	-50	4	-43	-47	-52	-51
-52	-52	-50	-50	5	-43	-47	-52	-52
-52	-50	-50	-51	4	-44	-47	-52	-52
-51	-51	-51	-50	4	-42	-47	-51	-51
-51	-51	-51	-50	5	-43	-46	-52	-52
-52	-50	-51	-51	5	-43	-47	-52	-52
-52	-51	-51	-50	5	-43	-46	-52	-52
-51	-51	-51	-51	6	-42	-46	-52	-52
-52	-50	-50	-50	6	-42	-46	-52	-51
-51	-50	-50	-51	7	-43	-46	-51	-52
-51	-51	-51	-51	7	-43	-46	-51	-52
-51	-51	-51	-50	8	-42	-46	-51	-52
-51	-51	-50	-51	8	-42	-46	-51	-52
-51	-51	-51	-50	8	-42	-45	-51	-52
-52	-50	-50	-50	8	-42	-46	-52	-52
-52	-51	-51	-51	9	-42	-45	-52	-52
-51	-52	-50	-50	8	-41	-45	-51	-52
-51	-50	-51	-51	10	-42	-45	-52	-51
-51	-51	-51	-50	10	-41	-45	-52	-50
-51	-51	-50	-51	10	-42	-46	-50	-52
-51	-50	-50	-50	9	-42	-46	-51	-51
-51	-51	-53	-54	11	-42	-40	-50	-55
-50	-51	-51	-51	11	-42	-46	-50	-52
-53	-50	-48	-48	10	-42	-46	-54	-57
-48	-51	-49	-53	11	-42	-39	-50	-54
-51	-51	-51	-51	11	-42	-45	-51	-51
-51	-50	-51	-50	11	-41	-45	-51	-51
-51	-51	-50	-51	12	-41	-45	-51	-51
-51	-50	-50	-50	12	-40	-44	-50	-51
-51	-50	-50	-50	13	-40	-44	-51	-52
-51	-51	-50	-50	12	-38	-44	-51	-51
-51	-51	-50	-50	14	-38	-45	-51	-51

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
197	68	18	46	-51	-51	-50	-50
198	68	38	48	-51	-51	-50	-50
199	68	58	47	-51	-51	-50	-51
200	69	18	46	-51	-50	-50	-51
201	69	38	48	-51	-50	-50	-51
202	69	58	48	-51	-50	-51	-51
203	70	18	48	-51	-50	-50	-51
204	70	38	48	-51	-50	-50	-50
205	70	58	48	-51	-51	-50	-50
206	71	18	48	-52	-50	-50	-51
207	71	35	46	-51	-50	-50	-50
208	71	58	43	-51	-50	-50	-50
209	72	18	49	-51	-50	-50	-51
210	72	38	48	-51	-49	-50	-50
211	72	58	48	-51	-50	-50	-50
212	73	18	49	-50	-50	-51	-50
213	73	38	49	-51	-50	-50	-50
214	73	58	49	-50	-50	-51	-51
215	74	18	49	-50	-50	-50	-50
216	74	38	49	-51	-50	-50	-50
217	74	58	49	-50	-50	-50	-50
218	75	18	50	-49	-50	-50	-50
219	75	38	50	-50	-50	-50	-50
220	75	57	50	-51	-49	-50	-50
221	76	17	50	-50	-50	-48	-50
222	76	37	51	-50	-50	-49	-50
223	76	57	51	-50	-49	-48	-51
224	77	17	51	-50	-49	-48	-50
225	77	37	51	-50	-49	-48	-50
226	77	57	52	-50	-49	-48	-50
227	78	17	52	-50	-50	-48	-50
228	78	37	52	-50	-49	-47	-50
229	78	57	52	-50	-49	-47	-49
230	79	17	52	-50	-49	-47	-49
231	79	37	52	-49	-48	-46	-50
232	79	57	53	-50	-47	-46	-49
233	80	17	52	-50	-46	-46	-48
234	80	37	52	-49	-49	-46	-48
235	80	57	52	-48	-48	-46	-45
236	81	17	53	-47	-45	-46	-43
237	81	37	52	-46	-46	-46	-40
238	81	57	52	-47	-46	-45	-38
239	82	17	53	-46	-46	-46	-34
240	82	37	53	-47	-46	-46	-33
241	82	57	54	-47	-45	-46	-30
242	83	17	52	-45	-45	-45	-26
243	83	33	52	-42	-44	-45	-19
244	83	56	52	-42	-41	-46	-14
245	84	16	51	-41	-41	-45	-10
246	84	36	50	-40	-40	-44	-6

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
-51	-51	-50	-50	13	-38	-44	-51	-52
-51	-51	-50	-50	13	-38	-44	-50	-52
-51	-51	-50	-51	14	-38	-44	-51	-52
-51	-50	-50	-51	14	-38	-44	-51	-51
-51	-50	-50	-51	15	-37	-44	-51	-51
-51	-50	-51	-51	14	-38	-44	-51	-51
-51	-50	-50	-51	14	-38	-44	-51	-51
-51	-50	-50	-50	15	-37	-44	-50	-51
-51	-51	-50	-50	15	-37	-44	-51	-51
-52	-50	-50	-51	15	-37	-44	-51	-51
-51	-50	-50	-50	16	-37	-44	-50	-51
-51	-50	-50	-50	15	-37	-44	-50	-51
-51	-50	-50	-51	15	-38	-44	-51	-51
-51	-49	-50	-50	16	-36	-44	-50	-51
-51	-50	-50	-50	16	-36	-44	-50	-52
-50	-50	-51	-50	16	-38	-44	-50	-51
-51	-50	-50	-50	17	-37	-43	-51	-51
-50	-50	-51	-51	17	-44	-42	-50	-50
-50	-50	-50	-50	17	-39	-38	-47	-48
-51	-50	-50	-50	17	-37	-37	-46	-46
-50	-50	-50	-50	18	-39	-35	-46	-45
-49	-50	-50	-50	18	-37	-34	-44	-44
-50	-50	-50	-50	18	-30	-32	-43	-43
-51	-49	-50	-50	18	-35	-31	-43	-42
-50	-50	-48	-50	18	-32	-29	-42	-40
-50	-50	-49	-50	18	-32	-28	-42	-40
-50	-49	-48	-51	18	-28	-27	-41	-38
-50	-49	-48	-50	19	-32	-26	-40	-37
-50	-49	-48	-50	19	-32	-25	-40	-36
-50	-49	-48	-50	19	-27	-24	-38	-35
-50	-50	-48	-50	19	-28	-22	-38	-34
-50	-49	-47	-50	19	-29	-20	-37	-33
-50	-49	-47	-49	20	-31	-20	-36	-32
-50	-49	-47	-49	20	-25	-18	-35	-31
-49	-48	-46	-50	20	-27	-16	-34	-30
-50	-47	-46	-49	20	-24	-16	-34	-29
-50	-48	-46	-48	20	-25	-15	-33	-29
-49	-49	-46	-48	19	-20	-14	-32	-28
-48	-48	-46	-45	19	-22	-12	-31	-26
-47	-46	-46	-43	18	-26	-12	-30	-25
-46	-46	-46	-40	18	-23	-10	-29	-24
-47	-46	-45	-38	18	-23	-10	-28	-23
-46	-46	-46	-34	18	-22	-8	-27	-23
-47	-46	-46	-33	18	-22	-8	-27	-21
-47	-45	-46	-30	17	-22	-7	-26	-21
-45	-45	-45	-26	16	-18	-6	-25	-20
-42	-44	-45	-19	15	-22	-4	-24	-19
-42	-41	-46	-14	14	-21	-4	-24	-19
-41	-41	-45	-10	14	-18	-2	-23	-18
-40	-40	-44	-6	13	-20	-2	-23	-18

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	G D
247	84	56	50	-40	-40	-44	-3	
248	85	16	49	-38	-38	-43	-1	
249	85	36	49	-26	-28	-43	0	
250	85	56	50	-20	-21	-42	1	
251	86	16	48	-14	-16	-42	2	
252	86	36	48	-8	-8	-40	3	
253	86	56	46	-2	-2	-39	3	
254	87	17	47	1	0	-39	3	
255	87	37	46	5	3	-38	3	
256	87	57	45	8	5	-36	4	
257	88	17	44	10	8	-34	3	
258	88	37	45	12	10	-34	4	
259	88	57	45	15	12	-32	3	
260	89	17	43	16	13	-30	4	
261	89	37	42	18	15	-28	4	
262	89	57	42	20	15	-27	3	
263	90	17	41	22	18	-24	4	
264	90	37	41	23	19	-22	3	
265	90	57	41	24	20	-21	3	
266	91	17	41	25	22	-20	3	
267	91	37	41	28	23	-19	4	
268	91	58	40	29	25	-16	4	
269	92	18	40	30	27	-16	5	
270	92	38	40	31	27	-14	5	
271	92	58	39	33	28	-12	6	
272	93	19	39	34	29	-12	6	
273	93	39	39	35	31	-12	5	
274	93	59	39	36	33	-10	5	
275	94	19	39	37	34	-8	6	
276	94	40	37	38	35	-8	6	
277	95	0	37	40	36	-8	6	
278	95	20	37	41	36	-7	5	
279	95	41	37	42	38	-6	6	
280	96	1	36	43	38	-6	6	
281	96	22	37	44	39	-4	8	
282	96	42	36	46	40	-3	8	
283	97	3	37	46	41	-3	8	
284	97	23	36	48	42	-2	8	
285	97	44	36	49	44	-1	9	
286	98	4	36	50	44	0	9	
287	98	25	35	51	45	-1	11	
288	98	45	36	51	45	-1	11	
289	99	6	36	52	46	0	11	
290	99	26	36	54	48	0	11	
291	99	47	35	55	49	0	12	
292	100	8	35	55	50	-2	11	
293	100	28	35	56	50	0	11	
294	100	49	35	58	51	0	12	
295	101	10	35	58	51	0	13	
296	101	31	36	59	52	0	14	

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOP CTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
-40	-40	-44	-3	14	-25	0	-21	-18
-38	-38	-43	-1	13	-23	0	-21	-17
-26	-28	-43	0	13	-24	0	-21	-17
-20	-21	-42	1	13	-20	1	-20	-16
-14	-16	-42	2	13	-20	1	-20	-16
-8	-8	-40	3	12	-18	2	-19	-14
-2	-2	-39	3	12	-20	3	-19	-13
1	0	-39	3	12	-19	4	-18	-14
5	3	-38	3	12	-16	4	-18	-13
8	5	-36	4	12	-16	4	-17	-14
10	8	-34	3	12	-18	4	-16	-13
12	10	-34	4	12	-14	6	-17	-12
15	12	-32	3	12	-15	7	-16	-12
16	13	-30	4	12	-15	3	-17	-14
18	15	-28	4	12	-14	5	-16	-12
20	15	-27	3	11	-16	6	-16	-12
22	18	-24	4	11	-15	7	-14	-11
23	19	-22	3	12	-20	9	-14	-10
24	20	-21	3	11	-17	9	-14	-10
25	22	-20	3	11	-14	8	-13	-10
28	23	-19	4	12	-16	9	-12	-9
29	25	-16	4	11	-17	10	-12	-9
30	27	-16	5	11	-14	11	-11	-9
31	27	-14	5	11	-19	11	-10	-8
33	28	-12	6	11	-20	11	-10	-7
34	29	-12	6	11	-12	12	-9	-8
35	31	-12	5	12	-18	12	-8	-6
36	33	-10	5	11	-10	12	-8	-6
37	34	-8	6	11	-10	12	-8	-6
38	35	-8	6	11	-15	13	-7	-6
40	36	-8	6	11	-14	12	-6	-4
41	36	-7	5	11	-13	13	-7	-4
42	38	-6	6	11	-18	12	-6	-3
43	38	-6	6	11	-13	13	-6	-4
44	39	-4	8	11	-16	13	-6	-4
46	40	-3	8	11	-14	14	-6	-3
46	41	-3	8	11	-13	13	-6	-3
48	42	-2	8	11	-14	14	-6	-3
49	44	-1	9	11	-15	14	-5	-3
50	44	0	9	11	-10	14	-5	-3
51	45	-1	11	11	-12	14	-5	-3
51	45	-1	11	12	-16	14	-4	-2
52	46	0	11	12	-11	15	-4	-3
54	48	0	11	12	-10	14	-4	-2
55	49	0	12	12	-8	14	-5	-2
55	50	-2	11	12	-13	14	-3	-2
56	50	0	11	13	-16	14	-5	-2
58	51	0	12	13	-9	15	-4	-2
58	51	0	13	12	-15	15	-4	-2
59	52	0	14	12	-14	15	-3	-1

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
297	101	51	34	59	52	0	13
298	102	12	34	60	54	0	13
299	102	33	34	61	53	0	14
300	102	54	34	62	54	0	14
301	103	15	34	62	54	0	14
302	103	35	34	62	54	0	14
303	103	56	34	63	54	0	14
304	104	17	34	65	54	0	14
305	104	38	34	64	55	0	13
306	104	59	35	65	55	-1	13
307	105	20	34	65	55	-0	14
308	105	41	34	65	55	-0	15
309	106	2	34	66	55	-1	15
310	106	23	34	67	55	0	15
311	106	44	34	66	55	-1	16
312	107	5	33	67	56	0	15
313	107	26	33	68	55	-1	14
314	107	47	33	68	54	-1	15
315	108	8	33	68	54	0	15
316	108	29	33	69	54	0	16
317	108	50	34	69	55	0	16
318	109	11	33	70	54	-2	15
319	109	32	33	70	54	-3	16
320	109	53	32	70	55	-2	16
321	110	13	34	71	54	-2	15
322	110	34	32	70	54	-2	16
323	110	55	32	71	55	-5	16
324	111	16	32	71	54	-3	16
325	111	37	32	71	55	-3	16
326	111	58	32	71	55	-2	16
327	112	19	32	71	55	-3	17
328	112	40	32	71	55	-2	16
329	113	0	32	72	54	-3	17
330	113	21	32	71	55	-2	17
331	113	42	32	71	55	-2	17
332	114	3	32	71	54	-2	17
333	114	24	32	71	55	-3	17
334	114	45	33	71	55	-2	17
335	115	5	33	70	55	-2	18
336	115	26	32	70	55	-2	18
337	115	47	32	70	56	0	18
338	116	8	33	70	56	0	18
339	116	28	34	70	56	0	18
340	116	49	32	70	56	0	18
341	117	10	32	70	56	0	18
342	117	31	33	69	56	0	18
343	117	51	33	70	57	0	17
344	118	12	33	70	56	0	19
345	118	33	33	70	56	0	19
346	118	54	33	70	56	0	19

5-16 MAIN G.BOX OOLER INLET OIL EG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEM DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
59	52	0	13	13	-11	15	-3	-2
60	54	0	13	12	-12	14	-4	-4
61	53	0	14	12	-13	9	-8	-8
62	54	0	14	12	-13	7	-10	-11
62	54	0	14	13	-14	4	-14	-14
62	54	0	14	12	-14	3	-15	-17
63	54	0	14	12	-16	1	-16	-18
65	54	0	14	12	-15	0	-17	-18
64	55	0	13	12	-16	0	-18	-19
65	55	-1	13	12	-17	-2	-18	-19
65	55	-0	14	11	-18	-3	-18	-18
65	55	-0	15	12	-19	-4	-20	-20
66	55	-1	15	12	-18	-5	-20	-21
67	55	0	15	11	-20	-6	-21	-22
66	55	-1	16	12	-19	-6	-21	-23
67	56	0	15	11	-19	-7	-21	-23
68	55	-1	14	11	-20	-7	-22	-24
68	54	-1	15	11	-20	-8	-23	-24
68	54	0	15	11	-21	-8	-24	-24
69	54	0	16	11	-22	-8	-23	-24
69	55	0	16	11	-23	-9	-24	-26
70	54	-2	15	11	-23	-10	-24	-25
70	54	-3	16	11	-23	-10	-25	-26
70	55	-2	16	11	-23	-10	-24	-25
71	54	-2	15	11	-24	-11	-24	-25
70	54	-2	16	11	-24	-11	-25	-26
71	55	-5	16	10	*	*	*	*
71	54	-3	16	10	-24	-12	-26	-26
71	55	-3	16	11	-26	-13	-26	-27
71	55	-2	16	11	-26	-13	-26	-27
71	55	-3	17	11	-26	-13	-26	-27
71	55	-2	16	11	-26	-13	-26	-27
72	54	-3	17	11	-27	-13	-26	-27
71	55	-2	17	11	-26	-14	-26	-28
71	55	-2	17	11	-27	-15	-26	-28
71	54	-2	17	10	-27	-15	-26	-27
71	55	-3	17	11	-28	-14	-26	-25
71	55	-2	17	11	-27	-13	-26	-23
70	55	-2	18	11	-28	-13	-26	-24
70	55	-2	18	11	-27	-12	-25	-24
70	56	0	18	11	-28	-14	-26	-25
70	56	0	18	11	-28	-12	-26	-26
70	56	0	18	11	-28	-13	-24	-25
70	56	0	18	11	-29	-14	-26	-26
70	56	0	18	11	-28	-14	-26	-27
69	56	0	18	12	-30	-16	-26	-26
70	57	0	17	11	-28	-14	-26	-28
70	56	0	19	11	-29	-14	-25	-27
70	56	0	19	12	-29	-14	-26	-27
70	56	0	19	12	-30	-16	-27	-28

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
347	119	14	32	69	56	0	19
348	119	35	32	69	56	0	18
349	119	56	32	70	56	0	18
350	120	16	33	69	56	0	18
351	120	37	33	70	56	0	18
352	120	57	32	70	56	0	18
353	121	18	33	70	57	0	18
354	121	39	33	69	57	0	18
355	121	59	33	70	57	0	18
356	122	20	32	70	57	0	18
357	122	40	32	69	58	0	19
358	123	1	32	70	58	0	19
359	123	22	32	70	57	0	19
360	123	42	33	70	57	0	18
361	124	3	33	70	57	0	18
362	124	23	34	70	58	0	18
363	124	44	34	70	58	2	18
364	125	4	34	70	54	6	18
365	125	25	35	69	52	5	17
366	125	45	37	69	47	4	17
367	126	6	38	66	39	3	16
368	126	26	39	62	34	2	15
369	126	46	40	57	32	2	15
370	127	7	39	52	30	1	14
371	127	27	40	48	29	0	14
372	127	48	41	45	28	0	14
373	128	8	41	42	28	0	14
374	128	28	42	40	28	0	13
375	128	49	43	37	27	0	12
376	129	9	44	35	27	0	12
377	129	30	44	33	26	0	12
378	129	50	44	31	25	0	11
379	130	10	45	29	25	-1	12
380	130	31	45	28	23	-0	11
381	130	51	45	27	22	-2	10
382	131	11	47	25	22	-1	10
383	131	32	47	24	21	-1	9
384	131	52	47	22	20	-1	9
385	132	12	49	22	20	-2	9
386	132	33	50	21	19	-2	9
387	132	53	50	20	18	-2	9
388	133	13	50	18	17	-2	8
389	133	34	51	17	17	-3	7
390	133	54	51	16	16	-3	7
391	134	14	51	15	15	-3	7
392	134	34	51	15	15	-3	6
393	134	55	52	14	14	-4	6
394	135	15	51	14	13	-4	5
395	135	35	51	13	12	-5	5
396	135	56	51	12	12	-4	4

5-16 MAIN G.BOX OLER NLET OIL EG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
69	56	0	19	11	-29	-18	-28	-29
69	56	0	18	11	-28	-18	-29	-30
70	56	0	18	11	-29	-18	-28	-30
69	56	0	18	11	-29	-16	-28	-29
70	56	0	18	11	-30	-16	-28	-28
70	56	0	18	11	-30	-16	-28	-28
70	57	0	18	10	-30	-16	-27	-29
69	57	0	18	11	-29	-16	-28	-29
70	57	0	18	10	-28	-16	-28	-29
70	57	0	18	11	-30	-16	-28	-28
69	58	0	19	10	-30	-15	-27	-28
70	58	0	19	11	-28	-15	-27	-29
70	57	0	19	11	-30	-15	-28	-28
70	57	0	18	11	-30	-16	-27	-29
70	57	0	18	11	-29	-16	-28	-29
70	58	0	18	11	-30	-15	-28	-29
70	58	2	18	11	-29	-15	-27	-28
70	54	6	18	12	-29	-15	-27	-27
69	52	5	17	13	-29	-15	-27	-27
69	47	4	17	14	-29	-16	-26	-28
66	39	3	16	14	-29	-17	-27	-28
62	34	2	15	14	-30	-18	-28	-28
57	32	2	15	14	-29	-18	-28	-28
52	30	1	14	15	-28	-18	-28	-29
48	29	0	14	16	-29	-18	-27	-28
45	28	0	14	16	-29	-17	-28	-29
42	28	0	14	16	-28	-17	-27	-28
40	28	0	13	17	-28	-16	-27	-28
37	27	0	12	17	-28	-17	-27	-28
35	27	0	12	18	-28	-16	-27	-28
33	26	0	12	18	-27	-16	-27	-28
31	25	0	11	19	-28	-17	-27	-28
29	25	-1	12	18	-29	-17	-27	-28
28	23	-0	11	19	-28	-17	-27	-28
27	22	-2	10	19	-28	-17	-27	-29
25	22	-1	10	19	-28	-17	-27	-28
24	21	-1	9	20	-28	-17	-27	-29
22	20	-1	9	21	-27	-17	-27	-20
22	20	-2	9	22	-27	-17	-27	-28
21	19	-2	9	22	-27	-16	-27	-28
20	18	-2	9	23	-26	-16	-26	-28
18	17	-2	8	23	-26	-16	-27	-28
17	17	-3	7	22	-27	-17	-28	-28
16	16	-3	7	23	-28	-17	-27	-28
15	15	-3	7	23	-27	-17	-27	-28
15	15	-3	6	23	-28	-18	-27	-28
14	14	-4	6	23	-27	-17	-28	-29
14	13	-4	5	25	-27	-17	-29	-29
13	12	-5	5	25	-27	-18	-28	-29
12	12	-4	4	24	-27	-18	-28	-28

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
397	136	16	52	11	11	-5	4
398	136	36	52	10	11	-5	4
399	136	56	52	10	9	-5	4
400	137	17	52	9	10	-6	4
401	137	37	54	9	9	-6	4
402	137	57	53	8	8	-6	3
403	138	17	54	8	8	-6	3
404	138	38	54	7	8	-6	2
405	138	58	54	7	7	-6	2
406	139	18	54	7	7	-7	2
407	139	38	55	5	5	-7	2
408	139	58	55	6	5	-7	2
409	140	19	55	5	4	-7	2
410	140	39	55	5	4	-7	1
411	140	59	56	4	4	-7	1
412	141	19	56	4	3	-7	1
413	141	39	56	4	3	-8	1
414	142	0	55	3	2	-8	0
415	142	20	56	3	2	-8	1
416	142	40	55	2	1	-8	0
417	143	0	55	2	1	-9	0
418	143	20	55	2	1	-9	0
419	143	40	55	1	1	-9	0
420	144	1	55	1	0	-10	0
421	144	21	55	1	0	-9	0
422	144	41	56	0	0	-10	-0
423	145	1	56	0	-0	-10	-0
424	145	21	57	0	-0	-10	-1
425	145	41	56	0	-1	-10	-2
426	146	1	56	-0	-1	-10	-0
427	146	21	57	-1	-2	-10	-2
428	146	41	57	-1	-2	-11	-2
429	147	1	56	-2	-3	-11	-2
430	147	22	57	-2	-2	-10	-2
431	147	42	57	-2	-4	-11	-2
432	148	2	57	-2	-4	-12	-2
433	148	22	58	-3	-4	-11	-3
434	148	42	58	-3	-4	-12	-3
435	149	2	58	-3	-5	-12	-3
436	149	22	58	-4	-5	-12	-4
437	149	42	57	-4	-6	-13	-2
438	150	2	51	-4	-6	-13	-4
439	150	23	48	-4	-6	-13	-3
440	150	43	45	-4	-6	-12	-4
441	151	3	43	-5	-7	-14	-4
442	151	23	41	-5	-7	-14	-4
443	151	43	39	-5	-7	-14	-4
444	152	3	38	-6	-8	-14	-5
445	*	*	*	*	*	*	*

5-16 MAIN G.BOX COOLER INLET OIL EG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
11	11	-5	4	24	-26	-18	-28	-28
10	11	-5	4	25	-27	-18	-28	-29
10	9	-5	4	25	-27	-19	-28	-29
9	10	-6	4	25	-27	-18	-28	-29
9	9	-6	4	25	-27	-18	-28	-29
8	8	-6	3	26	-27	-18	-28	-29
8	8	-6	3	25	-27	-18	-28	-29
7	8	-6	2	27	-27	-16	-28	-29
7	7	-6	2	27	-27	-19	-28	-29
7	7	-7	2	27	-28	-18	-28	-29
5	5	-7	2	27	-28	-18	-28	-29
6	5	-7	2	28	-27	-19	-28	-28
5	4	-7	2	28	-27	-19	-28	-29
5	4	-7	1	28	-27	-19	-28	-29
4	4	-7	1	28	-27	-19	-28	-29
4	3	-7	1	28	-28	-19	-27	-28
4	3	-8	1	27	-28	-20	-28	-29
3	2	-8	0	27	-28	-19	-28	-29
3	2	-8	1	27	-28	-20	-28	-29
2	1	-8	0	25	-29	-20	-28	-30
2	1	-9	0	24	-29	-20	-28	-30
2	1	-9	0	25	-30	-20	-28	-29
1	1	-9	0	25	-30	-20	-29	-30
1	0	-10	0	26	-28	-21	-28	-29
1	0	-9	0	26	-28	-20	-28	-30
0	0	-10	-0	27	-29	-20	-29	-30
0	-0	-10	-0	27	-30	-20	-28	-30
0	-0	-10	-1	27	-30	-20	-28	-30
0	-1	-10	-2	27	-29	-21	-28	-29
-0	-1	-10	-0	28	-30	-21	-29	-30
-1	-2	-10	-2	28	-30	-21	-28	-30
-1	-2	-11	-2	28	-30	-21	-28	-30
-2	-3	-11	-2	28	-29	-21	-29	-30
-2	-2	-10	-2	28	-30	-22	-29	-30
-2	-4	-11	-2	28	-30	-21	-29	-30
-2	-4	-12	-2	28	-30	-21	-29	-30
-3	-4	-11	-3	28	-30	-21	-29	-30
-3	-4	-12	-3	29	-30	-22	-29	-30
-3	-5	-12	-3	30	-30	-22	-29	-30
-4	-5	-12	-4	29	-30	-22	-29	-30
-4	-6	-13	-2	29	-31	-22	-29	-30
-4	-6	-13	-4	29	-30	-22	-29	-30
-4	-6	-13	-3	30	-30	-22	-29	-30
-4	-6	-12	-4	30	-29	-22	-29	-30
-5	-7	-14	-4	30	-30	-22	-29	-30
-5	-7	-14	-4	31	-29	-22	-30	-31
-5	-7	-14	-4	31	-29	-22	-29	-30
-6	-8	-14	-5	31	-30	-23	-29	-30
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HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SHEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
1	0	11	-53	-54	-53	-50	-54
2	0	31	-54	-54	-53	-50	-54
3	0	51	-54	-54	-54	-49	-54
4	1	12	-53	-54	-54	-50	-54
5	1	32	-54	-54	-54	-50	-53
6	1	52	-53	-54	-54	-50	-54
7	2	12	-54	-53	-54	-50	-54
8	2	32	-54	-54	-54	-49	-54
9	2	52	-54	-54	-54	-50	-54
10	3	12	-54	-53	-54	-50	-54
11	3	32	-54	-54	-53	-50	-54
12	3	52	-54	-54	-54	-50	-54
13	4	12	-54	-54	-54	-50	-54
14	4	32	-54	-54	-54	-50	-53
15	4	52	-54	-54	-54	-49	-53
16	5	12	-54	-54	-54	-50	-54
17	5	32	-54	-54	-54	-50	-54
18	5	52	-54	-54	-54	-50	-54
19	6	12	-54	-54	-53	-50	-54
20	6	32	-54	-54	-54	-49	-54
21	6	52	-54	-54	-54	-50	-54
22	7	11	-54	-54	-54	-50	-54
23	7	31	-54	-54	-54	-50	-54
24	7	51	-54	-54	-53	-50	-53
25	8	11	-53	-54	-54	-50	-54
26	8	31	-54	-54	-54	-50	-53
27	8	51	-54	-54	-54	-50	-54
28	9	14	-53	-54	-53	-50	-54
29	9	34	-53	-54	-53	-50	-54
30	9	54	-54	-54	-53	-50	-53
31	10	14	-53	-54	-53	-49	-53
32	10	34	-53	-54	-53	-50	-54
33	10	54	-53	-53	-53	-50	-54
34	11	14	-53	-54	-53	-50	-54
35	11	34	-53	-54	-53	-49	-54
36	11	54	-53	-53	-54	-50	-53
37	15	31	-53	-53	-53	-50	-54
38	15	51	-53	-54	-53	-50	-54
39	16	11	-53	-54	-53	-50	-54
40	16	31	-53	-53	-53	-50	-54
41	16	51	-53	-54	-53	-50	-54
42	17	11	-53	-53	-53	-50	-53
43	17	31	-53	-54	-53	-50	-54
44	17	51	-53	-53	-53	-50	-54
45	18	11	-52	-53	-53	-50	-5

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
46	18	31	-53	-53	-52	-49	-53
47	18	51	-53	-54	-53	-50	-54
48	19	11	-53	-54	-53	-50	-54
50	19	34	-53	-52	-52	-50	-47
51	19	54	-52	-53	-52	-49	-48
52	20	14	-53	-53	-52	-50	-48
53	20	34	-53	-53	-52	-50	-49
54	20	54	-52	-52	-53	-50	-49
55	21	14	-52	-53	-53	-50	-50
56	21	35	-52	-53	-52	-49	-49
57	21	55	-52	-52	-52	-50	-48
58	22	15	-52	-53	-52	-50	-50
59	22	35	-52	-52	-52	-49	-50
60	22	55	-52	-52	-52	-49	-49
61	23	15	-52	-53	-52	-49	-49
62	23	35	-53	-52	-53	-50	-49
63	23	55	-53	-53	-53	-50	-49
64	24	15	-52	-53	-52	-50	-50
65	24	27	-52	-52	-52	-50	-50
66	24	40	-52	-52	-52	-50	-50
67	25	0	-52	-53	-52	-50	-51
68	25	20	-53	-52	-52	-50	-50
69	25	40	-52	-53	-52	-50	-50
70	26	0	-52	-52	-52	-50	-50
71	26	21	-52	-53	-52	-50	-50
72	26	41	-52	-52	-52	-50	-50
73	27	1	-52	-52	-52	-50	-50
74	27	21	-52	-52	-52	-51	-51
75	27	41	-52	-52	-52	-50	-50
76	28	1	-52	-53	-52	-50	-50
77	28	21	-52	-53	-52	-50	-50
78	28	41	-52	-53	-52	-50	-50
79	29	1	-52	-52	-52	-50	-50
80	29	21	-52	-52	-52	-50	-50
81	29	41	-52	-52	-52	-50	-48
82	30	1	-52	-52	-52	-51	-48
83	30	21	-52	-53	-52	-51	-48
84	30	41	-52	-52	-52	-50	-47
85	31	1	-52	-52	-53	-51	-46
86	31	21	-52	-53	-52	-50	-46
87	31	41	-52	-52	-52	-50	-46
88	32	1	-52	-53	-52	-50	-45
89	32	21	-52	-53	-53	-50	-44
90	32	41	-52	-52	-52	-51	-43
91	33	1	-52	-52	-52	-50	-43
92	33	21	-52	-52	-52	-50	-42
93	33	41	-52	-52	-52	-50	-41
94	34	1	-52	-52	-52	-50	-39
95	34	21	-52	-52	-52	-50	-40
96	34	41	-52	-52	-52	-50	-39

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
97	35	1	-52	-52	-52	-51	-38
98	35	21	-52	-53	-52	-50	-37
99	35	41	-52	-52	-52	-51	-38
100	36	1	-52	-52	-52	-50	-36
101	36	21	-52	-52	-52	-50	-36
102	36	41	-51	-52	-52	-50	-35
103	37	1	-52	-52	-52	-50	-35
104	37	21	-52	-52	-52	-50	-34
105	37	41	-51	-52	-52	-50	-34
106	38	1	-52	-52	-52	-50	-33
107	38	21	-51	-52	-52	-51	-32
108	38	41	-51	-52	-52	-50	-32
109	39	1	-51	-52	-51	-50	-32
110	39	21	-50	-52	-52	-50	-31
111	39	41	-52	-52	-52	-50	-29
112	40	1	-51	-51	-52	-50	-29
113	40	21	-51	-52	-52	-50	-28
114	40	41	-51	-52	-51	-50	-27
115	41	1	-50	-52	-51	-50	-25
116	41	21	-52	-52	-51	-50	-24
117	41	41	-51	-52	-52	-50	-24
118	42	1	-51	-52	-51	-50	-23
119	42	21	-51	-52	-51	-51	-22
120	42	41	-51	-52	-52	-50	-20
121	43	1	-51	-52	-50	-50	-20
122	43	21	-51	-52	-51	-50	-19
123	43	41	-50	-52	-51	-50	-19
124	44	1	-51	-52	-51	-51	-18
125	44	21	-50	-52	-51	-51	-18
126	44	41	-51	-52	-51	-50	-17
127	45	1	-51	-52	-51	-51	-16
128	45	21	-51	-52	-51	-51	-16
129	45	41	-51	-52	-51	-51	-15
130	46	1	-51	-51	-51	-50	-14
131	46	21	-51	-52	-50	-50	-14
132	46	41	-51	-52	-51	-51	-13
133	47	1	-50	-52	-50	-51	-12
134	47	21	-51	-52	-51	-50	-12
135	47	41	-50	-52	-51	-50	-12
136	48	1	-51	-52	-51	-50	-11
137	48	21	-51	-52	-50	-50	-10
138	48	41	-51	-51	-52	-50	-10
139	49	1	-50	-51	-51	-50	-9
140	49	21	-50	-51	-50	-50	-10
141	49	41	-50	-52	-50	-50	-9
142	50	1	-50	-52	-50	-50	-8
143	50	20	-50	-52	-51	-50	-8
144	50	40	-51	-52	-51	-50	-8
145	51	0	-50	-52	-51	-50	-7
146	51	20	-50	-52	-51	-50	-7

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-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-2 GEN. MAS TEM DEG.
147	51	40	-50	-51	-50	-50	-6
148	52	0	-50	-52	-50	-50	
149	52	20	-50	-52	-51	-50	
150	52	40	-50	-52	-50	-50	-5
151	53	0	-50	-51	-50	-51	-6
152	53	20	-50	-51	-51	-50	-4
153	53	40	-50	-52	-50	-50	-4
154	54	0	-50	-51	-50	-50	-5
155	54	20	-50	-51	-50	-50	-5
156	54	40	-50	-52	-50	-50	-5
157	55	0	-50	-51	-50	-50	-5
158	55	20	-50	-51	-51	-51	-5
159	55	40	-50	-51	-50	-51	-5
160	56	0	-49	-50	-51	-50	-5
161	56	20	-50	-51	-50	-50	-5
162	56	40	-49	-51	-50	-50	-5
163	57	0	-50	-51	-50	-50	
164	57	20	-50	-50	-50	-50	-5
165	57	40	-48	-50	-50	-50	-5
166	58	0	-49	-50	-49	-50	
167	58	20	-49	-50	-50	-50	
168	58	40	-48	-50	-50	-51	
169	59	0	-49	-50	-50	-50	
170	59	20	-49	-50	-50	-50	
171	59	40	-49	-50	-50	-51	
172	60	0	-48	-50	-50	-50	
173	60	19	-48	-50	-49	-50	
174	60	39	-48	-50	-49	-50	
175	60	59	-48	-50	-49	-50	
176	61	19	-48	-50	-50	-50	
177	61	39	-48	-50	-49	-50	
178	61	59	-47	-50	-49	-50	
179	62	19	-48	-50	-48	-51	
180	62	39	-47	-49	-49	-51	
181	62	59	-47	-49	-49	-51	
182	63	19	-47	-49	-48	-50	
183	63	39	-47	-49	-48	-50	
184	63	59	-47	-50	-47	-51	
185	64	19	-47	-48	-49	-51	
186	64	39	-48	-48	-44	-46	
187	64	59	-46	-49	-48	-49	
188	65	19	-48	-48	-48	-44	
189	65	39	-48	-48	-46	-46	
190	65	59	-46	-48	-48	-50	
191	66	19	-46	-48	-48	-50	
192	66	39	-46	-48	-47	-50	
193	66	59	-46	-48	-47	-50	
194	67	19	-46	-48	-47	-50	
195	67	39	-46	-48	-47	-50	
196	67	49	-46	-48	-47	-50	

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
197	68	18	-46	-48	-46	-51	7
198	68	38	-46	-48	-47	-50	7
199	68	58	-46	-48	-45	-50	7
200	69	18	-46	-47	-47	-50	7
201	69	38	-45	-47	-46	-50	7
202	69	58	-45	-47	-47	-50	8
203	70	18	-45	-47	-47	-50	7
204	70	38	-46	-47	-46	-50	8
205	70	58	-45	-47	-44	-50	9
206	71	18	-44	-47	-46	-50	8
207	71	38	-44	-47	-46	-50	8
208	71	58	-45	-47	-46	-50	8
209	72	18	-44	-47	-46	-50	9
210	72	38	-44	-47	-46	-50	8
211	72	58	-44	-47	-46	-51	9
212	73	18	-44	-46	-46	-50	9
213	73	38	-43	-46	-45	-50	9
214	73	58	-40	-45	-43	-50	9
215	74	18	-38	-45	-39	-50	9
216	74	38	-37	-44	-38	-50	10
217	74	58	-34	-44	-36	-50	9
218	75	18	-32	-43	-33	-50	10
219	75	38	-30	-42	-32	-50	11
220	75	57	-29	-41	-29	-50	11
221	76	17	-28	-40	-27	-50	10
222	76	37	-26	-40	-27	-50	11
223	76	57	-25	-40	-25	-50	11
224	77	17	-24	-39	-23	-50	11
225	77	37	-23	-38	-21	-50	12
226	77	57	-22	-37	-21	-50	12
227	78	17	-20	-37	-20	-50	12
228	78	37	-20	-36	-18	-50	13
229	78	57	-19	-36	-16	-49	12
230	79	17	-16	-36	-14	-50	13
231	79	37	-16	-35	-13	-50	13
232	79	57	-15	-34	-13	-50	14
233	80	17	-13	-34	-12	-50	14
234	80	37	-12	-33	-11	-50	13
235	80	57	-11	-32	-10	-49	15
236	81	17	-10	-31	-7	-50	14
237	81	37	-9	-30	-7	-50	15
238	81	57	-8	-30	-5	-49	14
239	82	17	-8	-30	-4	-50	14
240	82	37	-7	-28	-2	-50	15
241	82	57	-4	-27	-2	-49	14
242	83	17	-4	-27	-2	-50	14
243	83	33	-3	-26	0	-50	14
244	83	56	-2	-26	0	-49	14
245	84	16	-1	-24	0	-50	14
246	84	36	-0	-24	2	-49	14

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
247	84	56	-0	-24	3	-50	14
248	85	16	0	-22	3	-49	15
249	85	36	1	-21	4	-49	15
250	85	56	2	-22	5	-49	15
251	86	16	2	-21	6	-49	14
252	86	36	2	-20	6	-49	14
253	86	56	3	-19	7	-49	14
254	87	17	5	-18	8	-49	15
255	87	37	5	-18	9	-49	14
256	87	57	6	-17	11	-48	14
257	88	17	7	-16	11	-49	14
258	88	37	7	-16	11	-49	14
259	88	57	7	-16	11	-48	14
260	89	17	3	-16	6	-48	14
261	89	37	5	-15	8	-48	14
262	89	57	7	-14	11	-49	13
263	90	17	9	-15	11	-49	13
264	90	37	10	-14	12	-49	13
265	90	57	9	-13	12	-48	13
266	91	17	10	-12	14	-50	13
267	91	37	11	-13	13	-49	13
268	91	58	10	-13	14	-48	12
269	92	18	12	-11	14	-49	13
270	92	38	12	-11	15	-49	12
271	92	58	14	-10	17	-48	13
272	93	19	12	-9	15	-48	12
273	93	39	11	-9	15	-48	12
274	93	59	11	-9	15	-49	12
275	94	19	11	-8	17	-49	11
276	94	40	11	-8	15	-49	12
277	95	0	12	-8	15	-49	12
278	95	20	12	-7	18	-48	11
279	95	41	12	-6	16	-48	11
280	96	1	12	-7	15	-48	12
281	96	22	12	-7	15	-48	11
282	96	42	13	-6	16	-48	11
283	97	3	13	-6	17	-48	11
284	97	23	14	-5	17	-48	11
285	97	44	13	-6	17	-48	11
286	98	4	14	-5	17	-49	11
287	98	25	14	-5	17	-48	11
288	98	45	14	-5	18	-48	12
289	99	6	14	-6	17	-49	12
290	99	26	15	-4	17	-48	12
291	99	47	16	-4	18	-48	12
292	100	8	15	-4	17	-48	12
293	100	28	15	-4	18	-48	11
294	100	49	15	-3	17	-48	12
295	101	10	14	-4	17	-49	11
296	101	31	15	-4	18	-48	12

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
297	101	51	14	-3	17	-48	11
298	102	12	11	-4	13	-48	11
299	102	33	7	-6	3	-48	11
300	102	54	6	-7	-2	-48	11
301	103	15	4	-10	-4	-48	11
302	103	35	3	-11	-7	-49	11
303	103	56	4	-11	-8	-48	11
304	104	17	2	-11	-8	-49	11
305	104	38	1	-11	-12	-49	10
306	104	59	0	-12	-14	-49	11
307	105	20	2	-11	-9	-49	10
308	105	41	2	-12	-9	-49	10
309	106	2	1	-12	-11	-49	11
310	106	23	1	-12	-10	-48	11
311	106	44	1	-12	-14	-49	11
312	107	5	0	-14	-15	-50	10
313	107	26	0	-13	-17	-50	11
314	107	47	0	-14	-18	-49	11
315	108	8	-1	-15	-19	-50	10
316	108	29	0	-16	-20	-49	10
317	108	50	0	-14	-19	-49	10
318	109	11	-0	-16	-20	-48	10
319	109	32	-0	-16	-21	-50	10
320	109	53	-0	-16	-22	-48	10
321	110	13	-0	-15	-20	-49	10
322	110	34	-0	-16	-19	-49	11
323	110	55	*	*	-20	-50	9
324	111	16	-2	-16	-21	-50	10
325	111	37	-4	-16	-20	-48	9
326	111	58	-2	-16	-22	-49	9
327	112	19	-2	-16	-22	-50	9
328	112	40	-2	-17	-22	-50	9
329	113	0	-3	-16	-22	-49	9
330	113	21	-2	-18	-21	-50	10
331	113	42	-3	-17	-23	-49	11
332	114	3	-4	-15	-18	-49	11
333	114	24	-5	-16	-17	-50	11
334	114	45	-6	-14	-16	-49	10
335	115	5	-5	-14	-15	-49	11
336	115	26	-5	-14	-17	-49	11
337	115	47	-4	-14	-16	-49	11
338	116	8	-3	-14	-16	-49	11
339	116	28	-4	-13	-15	-49	12
340	116	49	-3	-14	-15	-50	11
341	117	10	-4	-15	-15	-50	11
342	117	31	-4	-13	-15	-50	11
343	117	51	-3	-14	-15	-50	11
344	118	12	-5	-13	-16	-48	11
345	118	33	-4	-14	-15	-49	11
346	118	54	-4	-14	-15	-50	11

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-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 NASS TEMP DEG.C
347	119	14	-5	-13	-15	-50	11
348	119	35	-5	-14	-15	-50	11
349	119	56	-4	-14	-16	-49	11
350	120	16	-4	-14	-16	-49	12
351	120	37	-4	-14	-14	-49	11
352	120	57	-5	-13	-15	-48	12
353	121	18	-5	-14	-15	-50	11
354	121	39	-5	-14	-16	-49	11
355	121	59	-4	-14	-16	-50	11
356	122	20	-4	-14	-16	-50	11
357	122	40	-4	-14	-16	-49	11
358	123	1	-4	-14	-15	-49	11
359	123	22	-4	-13	-16	-49	11
360	123	42	-4	-14	-16	-50	12
361	124	3	-6	-16	-16	-49	12
362	124	23	-7	-15	-16	-49	11
363	124	44	-8	-14	-16	-49	11
364	125	4	-8	-14	-15	-49	11
365	125	25	-8	-14	-16	-49	11
366	125	45	-8	-16	-16	-49	11
367	126	6	-8	-17	-16	-49	12
368	126	26	-8	-18	-16	-49	12
369	126	46	-9	-18	-16	-49	12
370	127	7	-9	-18	-16	-49	12
371	127	27	-9	-18	-16	-50	11
372	127	48	-9	-18	-16	-49	13
373	128	8	-10	-17	-16	-49	13
374	128	28	-9	-17	-16	-48	13
375	128	49	-10	-17	-15	-49	14
376	129	9	-10	-17	-16	-48	14
377	129	30	-10	-18	-17	-49	14
378	129	50	-10	-18	-16	-49	14
379	130	10	-10	-18	-16	-49	14
380	130	31	-10	-18	-16	-49	14
381	130	51	-10	-18	-17	-49	15
382	131	11	-11	-18	-17	-50	14
383	131	32	-10	-17	-17	-49	15
384	131	52	-10	-18	-16	-49	16
385	132	12	-10	-18	-16	-49	16
386	132	33	-10	-18	-15	-48	17
387	132	53	-11	-18	-17	-49	17
388	133	13	-11	-18	-17	-49	16
389	133	34	-11	-18	-17	-49	17
390	133	54	-11	-18	-17	-50	17
391	134	14	-12	-18	-18	-50	17
392	134	34	-12	-18	-17	-49	18
393	134	55	-12	-18	-18	-50	17
394	135	15	-12	-18	-18	-49	18
395	135	35	-12	-18	-18	-49	18
396	135	56	-13	-18	-18	-49	18

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
397	136	16	-12	-19	-17	-49	18
398	136	36	-12	-18	-18	-49	18
399	136	56	-12	-19	-18	-49	19
400	137	17	-12	-18	-18	-50	18
401	137	37	-13	-18	-18	-49	19
402	137	57	-13	-19	-18	-50	19
403	138	17	-12	-18	-18	-49	19
404	138	38	-12	-19	-18	-49	19
405	138	58	-13	-19	-18	-49	19
406	139	18	-13	-19	-18	-49	19
407	139	38	-13	-19	-18	-50	19
408	139	58	-13	-19	-18	-50	19
409	140	19	-13	-19	-18	-49	20
410	140	39	-13	-19	-18	-49	21
411	140	59	-14	-19	-18	-49	21
412	141	19	-13	-19	-18	-48	20
413	141	39	-14	-19	-19	-49	17
414	142	0	-14	-20	-19	-49	14
415	142	20	-14	-19	-18	-49	13
416	142	40	-14	-20	-20	-50	11
417	143	0	-14	-19	-19	-49	11
418	143	20	-14	-19	-18	-49	11
419	143	40	-14	-20	-19	-50	11
420	144	1	-14	-20	-19	-50	12
421	144	21	-15	-20	-20	-49	13
422	144	41	-14	-20	-19	-50	13
423	145	1	-15	-20	-20	-49	15
424	145	21	-14	-20	-19	-49	15
425	145	41	-15	-20	-20	-49	15
426	146	1	-15	-20	-20	-49	15
427	146	21	-16	-20	-20	-49	15
428	146	41	-16	-20	-20	-49	15
429	147	1	-15	-20	-20	-49	17
430	147	22	-15	-20	-20	-49	17
431	147	42	-16	-20	-20	-49	17
432	148	2	-16	-21	-20	-49	17
433	148	22	-16	-21	-20	-49	18
434	148	42	-16	-20	-20	-49	18
435	149	2	-15	-20	-20	-49	18
436	149	22	-16	-20	-20	-49	18
437	149	42	-16	-21	-20	-49	19
438	150	2	-17	-21	-21	-49	21
439	150	23	-18	-22	-21	-50	22
440	150	43	-18	-21	-21	-49	23
441	151	3	-18	-22	-21	-49	24
442	151	23	-18	-22	-22	-49	24
443	151	43	-18	-21	-22	-49	24
444	152	3	-18	-22	-22	-49	25
445	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
1	0	14	-54	-54	-53	-50	-52
2	0	34	-52	-54	-53	-50	-53
3	0	54	-53	-54	-53	-50	-53
4	1	14	-53	-54	-53	-50	-53
5	1	34	-53	-54	-54	-50	-53
6	1	54	-52	-54	-53	-50	-53
7	2	14	-53	-54	-53	-51	-53
8	2	34	-53	-54	-53	-50	-53
9	2	54	-53	-54	-54	-50	-53
10	3	14	-53	-55	-53	-50	-54
11	3	34	-52	-55	-53	-50	-54
12	3	54	-52	-54	-53	-50	-54
13	4	14	-53	-54	-53	-50	-54
14	4	34	-53	-55	-53	-51	-53
15	4	54	-53	-54	-53	-50	-53
16	5	14	-53	-54	-53	-50	-54
17	5	34	-53	-54	-54	-50	-53
18	5	54	-53	-55	-53	-50	-54
19	6	14	-53	-54	-53	-50	-53
20	6	34	-53	-54	-54	-51	-54
21	6	54	-53	-54	-54	-50	-54
22	7	14	-54	-54	-53	-50	-53
23	7	34	-53	-54	-53	-50	-53
24	7	54	-53	-54	-54	-50	-53
25	8	14	-53	-55	-54	-50	-54
26	8	34	-53	-54	-54	-50	-54
27	8	54	-53	-54	-54	-50	-54
28	9	16	-53	-53	-53	-50	-53
29	9	36	-54	-54	-53	-50	-53
30	9	56	-53	-54	-54	-50	-54
31	10	16	-52	-54	-53	-50	-53
32	10	36	-54	-54	-54	-50	-53
33	10	56	-53	-54	-53	-50	-53
34	11	16	-53	-54	-53	-50	-53
35	11	36	-53	-54	-54	-50	-54
36	11	56	-53	-54	-53	-50	-53
37	15	34	-52	-54	-53	-50	-53
38	15	54	-52	-54	-53	-50	-53
39	16	14	-53	-54	-53	-50	-53
40	16	34	-54	-54	-53	-50	-53
41	16	54	-53	-54	-53	-50	-53
42	17	14	-53	-54	-53	-49	-53
43	17	34	-54	-54	-53	-50	-53
44	17	54	-52	-54	-54	-50	-53
45	18	14	-54	-54	-51	-50	-53

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-06 6.2 UEL TRL LET EMP G.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
-54	-53	-50	-52	-53	-54	-54	-51	-52
-54	-53	-50	-53	-54	-54	-54	-51	-52
-54	-53	-50	-53	-53	-54	-54	-51	-52
-54	-53	-50	-53	-53	-54	-54	-51	-52
-54	-54	-50	-53	-54	-54	-54	-52	-52
-54	-53	-50	-53	-54	-54	-54	-52	-52
-54	-53	-51	-53	-53	-54	-54	-51	-52
-54	-53	-50	-53	-54	-54	-54	-52	-52
-54	-54	-50	-53	-54	-54	-55	-52	-52
-55	-53	-50	-54	-54	-54	-54	-52	-52
-55	-53	-50	-54	-54	-54	-55	-52	-52
-54	-53	-50	-54	-54	-54	-54	-51	-52
-54	-53	-50	-54	-54	-54	-54	-52	-52
-55	-53	-51	-53	-53	-54	-55	-52	-52
-54	-53	-50	-53	-54	-54	-55	-52	-52
-54	-53	-50	-54	-54	-54	-54	-52	-52
-54	-54	-50	-53	-54	-54	-55	-52	-52
-55	-53	-50	-54	-54	-54	-54	-52	-52
-54	-53	-50	-53	-53	-54	-54	-52	-52
-54	-54	-51	-54	-54	-54	-54	-52	-52
-54	-54	-50	-54	-54	-54	-54	-51	-52
-54	-53	-50	-53	-54	-54	-54	-52	-52
-54	-53	-50	-53	-54	-54	-54	-52	-52
-54	-54	-50	-53	-54	-54	-54	-52	-52
-55	-54	-50	-54	-54	-54	-54	-52	-52
-54	-54	-50	-54	-54	-54	-54	-52	-52
-54	-54	-50	-54	-54	-54	-54	-52	-52
-53	-53	-50	-53	-53	-54	-54	-52	-51
-54	-53	-50	-53	-54	-54	-54	-51	-52
-54	-54	-50	-54	-54	-54	-54	-51	-52
-54	-53	-50	-53	-53	-54	-54	-51	-51
-54	-54	-50	-53	-54	-54	-54	-51	-52
-54	-53	-50	-53	-53	-54	-54	-51	-51
-54	-53	-50	-54	-54	-54	-54	-51	-52
-54	-54	-50	-54	-54	-54	-54	-51	-52
-54	-53	-50	-53	-53	-54	-54	-51	-51
-54	-53	-50	-53	-54	-53	-53	-50	-51
-54	-53	-50	-53	-53	-54	-54	-51	-51
-54	-53	-50	-53	-54	-54	-54	-50	-52
-54	-53	-50	-53	-53	-54	-54	-51	-51
-54	-53	-49	-53	-53	-54	-54	-51	-51
-54	-53	-50	-53	-54	-54	-54	-51	-51
-54	-54	-50	-53	-53	-54	-54	-50	-51
-54	-51	-50	-53	-52	-54	-54	-50	-51

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
46	18	34	-53	-54	-53	-50	-53
47	18	54	-53	-54	-54	-50	-53
48	19	14	-53	-54	-53	-51	-54
50	19	37	-53	-53	-52	-50	-53
51	19	57	-52	-54	-52	-51	-52
52	20	17	-53	-54	-53	-50	-52
53	20	37	-53	-54	-53	-50	-52
54	20	57	-52	-54	-52	-50	-52
55	21	17	-52	-53	-53	-50	-52
56	21	37	-53	-53	-52	-50	-53
57	21	57	-52	-52	-52	-50	-52
58	22	17	-52	-52	-52	-50	-52
59	22	37	-52	-54	-52	-50	-52
60	22	57	-53	-53	-52	-50	-52
61	23	17	-52	-53	-52	-50	-52
62	23	37	-52	-54	-52	-50	-52
63	23	57	-53	-53	-52	-50	-53
64	24	17	-53	-53	-53	-50	-52
65	24	27	-51	-52	-52	-49	-51
66	24	43	-52	-54	-52	-50	-52
67	25	3	-52	-54	-52	-50	-52
68	25	23	-52	-53	-52	-50	-52
69	25	43	-52	-53	-52	-49	-52
70	26	3	-52	-54	-52	-49	-52
71	26	23	-51	-54	-52	-50	-52
72	26	43	-52	-52	-52	-49	-52
73	27	3	-52	-53	-52	-49	-52
74	27	23	-52	-53	-52	-50	-52
75	27	43	-52	-53	-52	-49	-52
76	28	3	-52	-54	-52	-50	-52
77	28	23	-53	-53	-52	-49	-52
78	28	43	-53	-53	-52	-50	-52
79	29	3	-52	-54	-52	-50	-52
80	29	23	-52	-53	-52	-49	-52
81	29	43	-52	-54	-52	-48	-52
82	30	3	-52	-54	-52	-50	-52
83	30	23	-53	-53	-52	-49	-52
84	30	43	-52	-53	-52	-50	-52
85	31	3	-52	-54	-52	-49	-52
86	31	23	-52	-53	-53	-50	-52
87	31	43	-52	-53	-52	-49	-52
88	32	3	-52	-53	-52	-50	-52
89	32	23	-53	-53	-52	-50	-52
90	32	43	-52	-54	-52	-48	-52
91	33	3	-52	-54	-52	-49	-52
92	33	23	-52	-53	-52	-49	-52
93	33	43	-53	-53	-52	-50	-52
94	34	4	-53	-54	-52	-49	-53
95	34	24	-52	-52	-52	-49	-52
96	34	44	-52	-53	-52	-49	-52

-06 6.2 UEL TRL LET EMP G.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
-54	-53	-50	-53	-53	-54	-54	-51	-52
54	-54	-50	-53	-54	-54	-54	-51	-51
54	-53	-51	-54	-53	-54	-54	-52	-51
53	-52	-50	-53	-53	-53	-53	-51	-51
54	-52	-51	-52	-53	-53	-53	-50	-51
54	-53	-50	-52	-53	-53	-53	-50	-51
54	-53	-50	-52	-53	-53	-53	-50	-51
54	-52	-50	-52	-53	-53	-53	-50	-51
53	-53	-50	-52	-53	-53	-53	-50	-51
53	-52	-50	-53	-52	-53	-53	-50	-51
52	-52	-50	-52	-52	-53	-52	-50	-50
52	-52	-50	-52	-52	-53	-53	-50	-51
54	-52	-50	-52	-52	-52	-53	-50	-50
53	-52	-50	-52	-52	-53	-53	-50	-50
53	-52	-50	-52	-53	-53	-53	-50	-51
54	-52	-50	-52	-52	-53	-53	-50	-51
53	-52	-50	-52	-52	-53	-53	-51	-51
53	-53	-50	-52	-52	-53	-53	-50	-50
52	-52	-49	-51	-52	-52	-52	-50	-50
54	-52	-50	-52	-52	-53	-53	-50	-50
54	-52	-50	-52	-52	-52	-53	-50	-50
53	-52	-50	-52	-52	-52	-53	-50	-50
53	-52	-49	-52	-52	-52	-53	-50	-50
54	-52	-49	-52	-52	-53	-53	-50	-50
54	-52	-50	-52	-52	-53	-52	-50	-50
52	-52	-49	-52	-52	-53	-53	-50	-50
53	-52	-49	-52	-52	-52	-53	-50	-50
53	-52	-50	-52	-52	-52	-53	-50	-50
53	-52	-49	-52	-52	-53	-53	-50	-50
54	-52	-50	-52	-52	-52	-53	-50	-51
53	-52	-49	-52	-53	-52	-53	-50	-50
53	-52	-50	-52	-52	-53	-53	-50	-50
54	-52	-50	-52	-52	-52	-53	-50	-50
53	-52	-49	-52	-52	-52	-53	-50	-50
54	-52	-48	-52	-52	-52	-52	-50	-50
54	-52	-50	-52	-52	-52	-53	-50	-50
53	-52	-50	-52	-52	-52	-53	-50	-50
53	-52	-49	-52	-52	-53	-53	-50	-51
54	-52	-49	-52	-53	-53	-53	-50	-50
53	-53	-50	-52	-52	-53	-53	-50	-50
53	-52	-49	-52	-53	-53	-53	-50	-50
53	-52	-50	-52	-52	-53	-53	-50	-50
53	-52	-48	-52	-52	-53	-53	-50	-50
54	-52	-49	-52	-52	-53	-53	-50	-50
53	-52	-49	-52	-52	-53	-52	-50	-50
53	-52	-50	-52	-53	-53	-52	-49	-50
54	-52	-49	-53	-52	-52	-53	-50	-50
52	-52	-49	-52	-52	-52	-54	-50	-50
53	-52	-49	-52	-52	-53	-53	-49	-50

2

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
97	35	4	-53	-53	-52	-50	-52
98	35	24	-52	-53	-52	-49	-52
99	35	44	-52	-54	-52	-49	-52
100	36	4	-53	-54	-52	-48	-52
101	36	24	-52	-54	-51	-50	-52
102	36	44	-52	-53	-52	-48	-52
103	37	4	-52	-54	-52	-49	-52
104	37	24	-53	-53	-53	-49	-52
105	37	44	-52	-54	-52	-49	-52
106	38	4	-52	-53	-52	-49	-52
107	38	24	-52	-53	-52	-49	-52
108	38	44	-53	-53	-53	-50	-52
109	39	4	-52	-52	-52	-49	-52
110	39	24	-52	-53	-52	-48	-52
111	39	44	-53	-53	-52	-50	-52
112	40	4	-52	-53	-52	-49	-52
113	40	24	-52	-53	-52	-50	-52
114	40	44	-52	-53	-52	-48	-52
115	41	4	-53	-54	-52	-49	-52
116	41	24	-52	-53	-52	-49	-52
117	41	44	-52	-53	-52	-49	-52
118	42	4	-52	-54	-52	-50	-52
119	42	24	-52	-54	-52	-49	-52
120	42	44	-52	-54	-52	-49	-52
121	43	4	-52	-52	-52	-49	-52
122	43	24	-52	-52	-52	-48	-52
123	43	44	-52	-52	-52	-50	-52
124	44	4	-52	-53	-52	-49	-52
125	44	24	-52	-53	-52	-50	-52
126	44	44	-52	-54	-52	-49	-52
127	45	4	-52	-54	-52	-48	-52
128	45	24	-52	-53	-52	-48	-52
129	45	44	-52	-52	-52	-48	-52
130	46	4	-52	-53	-51	-49	-52
131	46	23	-52	-53	-52	-48	-52
132	46	43	-52	-53	-52	-49	-52
133	47	3	-52	-54	-51	-48	-52
134	47	23	-52	-53	-52	-48	-52
135	47	43	-52	-54	-52	-49	-52
136	48	3	-52	-53	-52	-48	-52
137	48	23	-52	-53	-52	-48	-52
138	48	43	-52	-52	-52	-49	-52
139	49	3	-52	-53	-52	-48	-52
140	49	23	-52	-53	-52	-48	-52
141	49	43	-52	-53	-52	-49	-52
142	50	3	-52	-53	-52	-50	-52
143	50	23	-52	-54	-52	-49	-52
144	50	43	-52	-53	-52	-48	-52
145	51	3	-52	-53	-52	-49	-52
146	51	23	-52	-53	-52	-49	-52

-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
EL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
TRL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
LET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
EMP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
53	-52	-50	-52	-52	-53	-53	-50	-50
53	-52	-49	-52	-53	-53	-53	-50	-50
54	-52	-49	-52	-52	-53	-53	-50	-50
4	-52	-48	-52	-52	-53	-53	-49	-50
4	-51	-50	-52	-52	-53	-53	-50	-50
53	-52	-48	-52	-52	-52	-53	-50	-50
54	-52	-49	-52	-52	-52	-53	-50	-50
53	-53	-49	-52	-53	-52	-53	-50	-50
4	-52	-49	-52	-52	-53	-53	-50	-50
53	-52	-49	-52	-52	-53	-52	-50	-50
53	-52	-49	-52	-52	-52	-52	-50	-50
53	-53	-50	-52	-52	-53	-53	-50	-50
52	-52	-49	-52	-52	-53	-53	-50	-49
53	-52	-48	-52	-52	-52	-53	-49	-50
53	-52	-50	-52	-53	-52	-53	-50	-50
53	-52	-49	-52	-52	-52	-53	-50	-50
53	-52	-50	-52	-52	-52	-53	-49	-50
53	-52	-48	-52	-52	-53	-53	-50	-50
54	-52	-49	-52	-53	-53	-53	-49	-50
53	-52	-49	-52	-52	-53	-54	-50	-50
53	-52	-49	-52	-52	-52	-53	-49	-50
54	-52	-50	-52	-52	-53	-53	-50	-49
4	-52	-49	-52	-52	-53	-52	-50	-49
54	-52	-49	-52	-52	-53	-53	-50	-49
52	-52	-49	-52	-52	-52	-52	-49	-50
52	-52	-48	-52	-52	-52	-53	-49	-50
2	-52	-50	-52	-52	-52	-53	-49	-50
53	-52	-49	-52	-52	-53	-53	-50	-50
3	-52	-50	-52	-52	-53	-53	-49	-50
4	-52	-49	-52	-52	-53	-53	-49	-50
4	-52	-48	-52	-52	-52	-53	-50	-49
53	-52	-48	-52	-52	-52	-53	-49	-50
2	-52	-48	-52	-52	-52	-53	-49	-50
3	-51	-49	-52	-52	-53	-53	-49	-50
3	-52	-48	-52	-52	-53	-52	-50	-49
53	-52	-49	-52	-52	-52	-53	-50	-49
4	-51	-48	-52	-52	-53	-53	-49	-49
3	-52	-48	-52	-52	-52	-53	-49	-49
4	-52	-49	-52	-52	-52	-53	-49	-49
3	-52	-48	-52	-52	-52	-53	-49	-49
3	-52	-48	-52	-53	-53	-53	-48	-49
2	-52	-49	-52	-52	-53	-53	-49	-49
3	-52	-48	-52	-52	-53	-53	-49	-49
3	-52	-48	-52	-52	-52	-53	-49	-50
3	-52	-49	-52	-52	-53	-53	-49	-49
3	-52	-50	-52	-52	-53	-53	-48	-49
4	-52	-49	-52	-52	-52	-53	-48	-49
3	-52	-48	-52	-52	-53	-53	-48	-50
3	-52	-49	-52	-52	-52	-53	-49	-49
3	-52	-49	-52	-52	-52	-53	-48	-49

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
147	51	43	-52	-53	-52	-48	-52
148	52	3	-52	-52	-52	-50	-52
149	52	23	-52	-53	-52	-49	-52
150	52	43	-53	-53	-52	-49	-52
151	53	3	-52	-53	-52	-49	-52
152	53	23	-52	-53	-51	-49	-52
153	53	43	-52	-52	-52	-48	-52
154	54	3	-51	-53	-51	-49	-52
155	54	23	-52	-52	-51	-48	-52
156	54	43	-51	-53	-52	-48	-52
157	55	3	-52	-54	-51	-48	-52
158	55	22	-52	-53	-52	-48	-52
159	55	42	-51	-53	-51	-48	-52
160	56	2	-52	-53	-52	-49	-52
161	56	22	-51	-53	-50	-48	-52
162	56	42	-51	-52	-52	-48	-52
163	57	2	-51	-53	-51	-48	-52
164	57	22	-52	-53	-52	-48	-51
165	57	42	-52	-53	-52	-49	-52
166	58	2	-51	-53	-51	-49	-52
167	58	22	-51	-53	-51	-48	-52
168	58	42	-52	-52	-51	-48	-52
169	59	2	-51	-52	-52	-49	-52
170	59	22	-52	-52	-52	-48	-52
171	59	42	-52	-52	-52	-48	-52
172	60	2	-52	-53	-52	-48	-52
173	60	22	-52	-52	-52	-47	-53
174	60	42	-52	-53	-52	-48	-51
175	61	2	-52	-53	-51	-48	-52
176	61	22	-52	-52	-51	-47	-51
177	61	42	-52	-53	-51	-48	-52
178	62	2	-52	-53	-52	-48	-51
179	62	22	-52	-52	-52	-49	-52
180	62	42	-51	-52	-51	-48	-52
181	63	2	-52	-52	-52	-48	-52
182	63	22	-51	-52	-52	-49	-51
183	63	42	-51	-52	-50	-48	-52
184	64	2	-51	-53	-51	-48	-51
185	64	21	-51	-53	-51	-48	-51
186	64	41	-52	-52	-51	-46	-49
187	65	1	-52	-52	-51	-46	-51
188	65	21	-51	-53	-52	-46	-49
189	65	41	-52	-52	-51	-47	-49
190	66	1	-52	-53	-52	-47	-51
191	66	21	-51	-52	-52	-46	-51
192	66	41	-50	-51	-51	-46	-51
193	67	1	-51	-52	-52	-46	-51
194	67	21	-51	-52	-52	-44	-51
195	67	41	-50	-52	-52	-46	-51
196	68	1	-49	-52	-50	-48	-51

6-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
E.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
NEL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
TRL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
LET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
EMP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
53	-52	-48	-52	-52	-52	-53	-49	-49
52	-52	-50	-52	-52	-52	-52	-49	-49
53	-52	-49	-52	-52	-53	-53	-48	-49
53	-52	-49	-52	-52	-52	-52	-49	-48
53	-52	-49	-52	-52	-52	-53	-49	-49
53	-51	-49	-52	-52	-53	-53	-49	-48
52	-52	-48	-52	-52	-52	-53	-48	-49
53	-51	-49	-52	-52	-52	-52	-48	-48
52	-51	-48	-52	-52	-52	-53	-48	-48
53	-52	-48	-52	-52	-52	-53	-48	-48
54	-51	-48	-52	-52	-52	-53	-48	-48
53	-52	-48	-52	-52	-53	-53	-48	-48
53	-51	-48	-52	-52	-52	-53	-48	-48
53	-52	-49	-52	-52	-52	-52	-48	-48
53	-50	-48	-52	-52	-52	-53	-48	-48
52	-52	-48	-52	-52	-52	-53	-48	-48
53	-51	-48	-52	-52	-52	-52	-48	-48
53	-52	-48	-51	-52	-52	-52	-48	-48
53	-52	-49	-52	-52	-53	-53	-48	-48
53	-51	-49	-52	-52	-52	-53	-48	-48
53	-51	-48	-52	-53	-52	-52	-48	-48
52	-51	-48	-52	-52	-53	-53	-48	-48
52	-52	-49	-52	-52	-53	-53	-48	-48
52	-52	-48	-52	-52	-52	-52	-48	-48
52	-52	-48	-52	-52	-53	-52	-48	-48
53	-52	-48	-52	-52	-52	-53	-48	-48
52	-52	-47	-52	-52	-52	-53	-48	-48
53	-52	-48	-51	-52	-53	-52	-48	-48
53	-51	-48	-52	-52	-53	-53	-48	-48
52	-51	-47	-51	-51	-52	-53	-48	-48
52	-51	-48	-52	-52	-52	-53	-48	-49
53	-52	-48	-52	-52	-52	-53	-48	-48
52	-52	-49	-52	-52	-52	-53	-48	-48
52	-51	-48	-52	-52	-52	-52	-48	-48
52	-52	-48	-52	-52	-52	-52	-48	-48
52	-52	-49	-51	-52	-52	-53	-48	-48
52	-50	-48	-52	-52	-52	-52	*	*
53	-51	-48	-52	-51	-52	-52	0	1
53	-51	-48	-51	-50	-53	-53	9	23
52	-51	-46	-48	-47	-50	-48	*	*
52	-51	-46	-53	-50	-52	-53	31	214
53	-52	-46	-48	-46	*	-44	*	*
52	-51	-47	-48	-46	-55	-48	*	*
53	-52	-47	-52	-52	-52	-53	62	48
52	-52	-46	-52	-51	-52	-53	58	40
51	-51	-46	-51	-52	-52	-52	50	36
52	-52	-46	-52	-51	-52	-52	38	29
52	-52	-44	-52	-51	-52	-52	28	20
52	-52	-46	-52	-51	-52	-52	15	11
52	-50	-48	-52	-51	-53	-52	3	3

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	E I AF O
197	68	21	-49	-52	-52	-48	-52	
198	68	41	-49	-52	-51	-45	-52	
199	69	1	-49	-52	-51	-44	-51	
200	69	21	-48	-52	-52	-47	-51	
201	69	41	-48	-52	-51	-47	-51	
202	70	1	-48	-52	-51	-47	-52	
203	70	21	-48	-52	-51	-45	-51	
204	70	41	-48	-52	-51	-47	-52	
205	71	1	-48	-53	-50	-46	-51	
206	71	21	-48	-52	-50	-46	-51	
207	71	41	-47	-51	-51	-46	-51	
208	72	0	-47	-52	-51	-47	-51	
209	72	20	-48	-52	-50	-45	-51	
210	72	40	-47	-52	-52	-48	-52	
211	73	0	-47	-52	-51	-44	-52	
212	73	20	-47	-52	-51	-46	-51	
213	73	40	-47	-52	-50	-46	-51	
214	74	0	-47	-52	-50	-47	-51	
215	74	20	-46	-53	-50	-46	-51	
216	74	40	-47	-52	-50	-46	-51	
217	75	0	-46	-52	-50	-45	-50	
218	75	20	-46	-52	-51	-48	-51	
219	75	40	-47	-52	-50	-44	-51	
220	76	0	-48	-52	-50	-44	-51	
221	76	20	-46	-52	-50	-47	-51	
222	76	40	-46	-51	-49	-46	-51	
223	77	0	-45	-52	-46	-51	-51	
224	77	20	-43	-52	-47	-44	-51	
225	77	40	-41	-52	-46	-46	-50	
226	78	0	-41	-52	-47	-44	-51	
227	78	20	-39	-52	-46	-43	-50	
228	78	40	-38	-52	-47	-46	-50	
229	78	59	-38	-52	-47	-44	-50	
230	79	19	-36	-51	-47	-46	-50	
231	79	39	-36	-52	-46	-44	-50	
232	79	59	-35	-51	-46	-43	-50	
233	80	19	-34	-51	-46	-45	-49	
234	80	39	-34	-52	-46	-43	-50	
235	80	59	-33	-51	-45	-45	-50	
236	81	19	-32	-51	-46	-44	-49	
237	81	39	-30	-51	-46	-44	-50	
238	81	59	-31	-50	-45	-42	-50	
239	82	19	-31	-51	-45	-44	-49	
240	82	39	-30	-52	-45	-44	-48	
241	82	59	-30	-52	-45	-43	-49	
242	83	19	-30	-51	-46	-42	-49	
243	83	39	-31	-51	-47	-45	-49	
244	83	59	-31	-49	-48	-45	-48	
245	84	19	-32	-51	-46	-45	-48	
246	84	39	-32	-50	-47	-43	-48	

6-06 ENG.2 FUEL NTRL TLET TEMP EG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
-52	-52	-48	-52	-52	-52	-52	1	3
-52	-51	-45	-52	-52	-53	-52	-1	4
-52	-51	-44	-51	-52	-52	-52	-0	2
-52	-52	-47	-51	-51	-52	-52	-4	1
-52	-51	-47	-51	-52	-52	-52	-7	-0
-52	-51	-47	-52	-52	-52	-52	-9	-0
-52	-51	-45	-51	-52	-52	-53	-12	-3
-52	-51	-47	-52	-51	-52	-52	-14	-4
-53	-50	-46	-51	-52	-52	-52	-16	-6
-52	-50	-46	-51	-51	-52	-52	-18	-8
-51	-51	-46	-51	-52	-52	-52	-19	-10
-52	-51	-47	-51	-51	-52	-52	-21	-12
-52	-50	-45	-51	-51	-52	-52	-22	-12
-52	-52	-48	-52	-51	-52	-52	-24	-14
-52	-51	-44	-52	-51	-52	-52	-25	-15
-52	-51	-46	-51	-51	-52	-52	-26	-16
-52	-50	-46	-51	-51	-52	-52	-27	-17
-52	-50	-47	-51	-51	-52	-52	-28	-19
-53	-50	-46	-51	-51	-52	-52	-29	-20
-52	-50	-46	-51	-50	-52	-52	-30	-21
-52	-50	-45	-50	-50	-52	-52	-31	-22
-52	-51	-48	-51	-51	-52	-52	-32	-23
-52	-50	-44	-51	-51	-52	-52	-32	-24
-52	-50	-44	-51	-50	-52	-52	-33	-26
-52	-50	-47	-51	-51	-52	-52	-34	-27
-51	-49	-46	-51	-49	-52	-52	-36	-30
-52	-46	-51	-51	-50	-52	-52	-41	-36
-52	-47	-44	-51	-50	-51	-52	-43	-40
-52	-46	-46	-50	-50	-51	-52	-46	-42
-52	-47	-44	-51	-50	-52	-51	-47	-44
-52	-46	-43	-50	-50	-51	-52	-48	-44
-52	-47	-46	-50	-50	-52	-52	-48	-45
-52	-47	-44	-50	-50	-51	-51	-48	-46
-51	-47	-46	-50	-50	-51	-51	-48	-46
-52	-46	-44	-50	-50	-51	-51	-48	-46
-51	-46	-43	-50	-50	-51	-51	-48	-47
-51	-46	-45	-49	-50	-51	-51	-47	-46
-52	-46	-43	-50	-49	-51	-52	-46	-46
-51	-45	-45	-50	-49	-51	-52	-45	-44
-51	-46	-44	-49	-50	-51	-52	-44	-44
-51	-46	-44	-50	-49	-51	-52	-44	-44
-50	-45	-42	-50	-49	-51	-51	-44	-44
-51	-45	-44	-49	-49	-50	-51	-44	-44
-52	-45	-44	-48	-49	-50	-51	-45	-44
-52	-45	-43	-49	-49	-50	-51	-45	-45
-51	-46	-42	-49	-48	-51	-51	-44	-44
-51	-47	-45	-49	-48	-51	-51	-43	-43
-49	-48	-45	-48	-48	-51	-50	-44	-43
-51	-46	-45	-48	-48	-51	-51	-43	-42
-50	-47	-43	-48	-48	-51	-51	-43	-42

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
247	84	59	-31	-50	-48	-41	-48
248	85	19	-31	-51	-47	-40	-48
249	85	39	-32	-50	-46	-40	-48
250	85	59	-32	-50	-47	-40	-48
251	86	19	-32	-50	-47	-37	-47
252	86	39	-31	-50	-46	-36	-47
253	86	59	-31	-50	-46	-38	-47
254	87	19	-30	-50	-46	-37	-47
255	87	39	-29	-48	-47	-36	-47
256	87	59	-29	-50	-46	-35	-46
257	88	19	-29	-48	-45	-32	-46
258	88	39	-28	-49	-44	-30	-46
259	88	59	-28	-50	-46	-32	-46
260	89	19	-28	-50	-46	-34	-46
261	89	39	-28	-49	-45	-23	-46
262	89	59	-28	-50	-46	-22	-46
263	90	19	-28	-49	-46	-27	-45
264	90	40	-28	-50	-45	-23	-45
265	91	0	-28	-49	-46	-27	-45
266	91	20	-27	-49	-45	-23	-44
267	91	40	-27	-50	-45	-24	-44
268	92	0	-27	-49	-45	-23	-44
269	92	20	-27	-50	-46	-24	-44
270	92	41	-28	-49	-45	-21	-43
271	93	1	-27	-48	-46	-30	-44
272	93	21	-28	-49	-46	-23	-42
273	93	41	-28	-48	-46	-23	-43
274	94	2	-27	-49	-46	-21	-42
275	94	22	-27	-48	-46	-23	-42
276	94	42	-28	-49	-46	-21	-42
277	95	3	-28	-48	-45	-21	-42
278	95	23	-27	-47	-45	-22	-42
279	95	43	-27	-46	-46	-23	-40
280	96	4	-28	-46	-46	-21	-41
281	96	24	-28	-48	-46	-23	-41
282	96	45	-28	-46	-46	-15	-41
283	97	5	-28	-47	-46	-22	-41
284	97	26	-28	-47	-45	-21	-40
285	97	46	-27	-46	-45	-8	-41
286	98	7	-28	-44	-45	-11	-39
287	98	27	-27	-46	-45	0	-40
288	98	48	-28	-46	-44	-3	-39
289	99	8	-28	-46	-45	0	-38
290	99	29	-26	-45	-45	-3	-38
291	99	49	-26	-45	-44	-8	-39
292	100	10	-27	-44	-44	2	-38
293	100	31	-27	-44	-45	1	-37
294	100	52	-27	-46	-45	1	-38
295	101	12	-28	-45	-46	0	-38
296	101	33	-27	-44	-46	-7	-38

-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
G.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
UEL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
TRL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
LET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
EMP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
50	-48	-41	-48	-47	-50	-50	-44	-42
51	-47	-40	-48	-47	-50	-51	-44	-42
50	-46	-40	-48	-47	-50	-50	-44	-42
50	-47	-40	-48	-46	-50	-50	-41	-39
50	-47	-37	-47	-46	-50	-50	-42	-40
50	-46	-36	-47	-46	-49	-50	-42	-40
50	-46	-38	-47	-46	-50	-50	-40	-38
50	-46	-37	-47	-45	-50	-49	-40	-37
48	-47	-36	-47	-45	-50	-50	-40	-39
50	-46	-35	-46	-45	-50	-50	-40	-39
48	-45	-32	-46	-44	-49	-50	-40	-38
49	-44	-30	-46	-44	-49	-50	-39	-36
50	-46	-32	-46	-44	-50	-49	-40	-37
50	-46	-34	-46	-43	-50	-49	-40	-35
49	-45	-23	-46	-44	-50	-49	-38	-36
50	-46	-22	-46	-43	-49	-49	-39	-35
49	-46	-27	-45	-43	-50	-49	-39	-36
50	-45	-23	-45	-43	-50	-49	-39	-36
49	-46	-27	-45	-43	-49	-49	-38	-35
49	-45	-23	-44	-42	-49	-49	-38	-34
50	-45	-24	-44	-42	-49	-49	-39	-36
49	-45	-23	-44	-42	-49	-49	-38	-36
50	-46	-24	-44	-42	-49	-49	-38	-36
49	-45	-21	-43	-42	-49	-48	-37	-38
48	-46	-30	-44	-41	-48	-48	-37	-36
49	-46	-23	-42	-41	-48	-48	-39	-39
48	-46	-23	-43	-41	-48	-48	-40	-40
49	-46	-21	-42	-40	-48	-48	-40	-40
48	-46	-23	-42	-40	-48	-48	-40	-40
49	-46	-21	-42	-40	-49	-48	-40	-39
48	-45	-21	-42	-39	-48	-48	-40	-40
47	-45	-22	-42	-40	-48	-48	-40	-39
48	-46	-23	-40	-39	-48	-48	-38	-39
48	-46	-21	-41	-39	-47	-48	-38	-40
48	-46	-23	-41	-39	-48	-48	-38	-39
48	-46	-15	-41	-38	-48	-48	-38	-39
47	-46	-22	-41	-38	-48	-48	-38	-39
47	-45	-21	-40	-38	-48	-48	-20	-24
46	-45	-8	-41	-38	-47	-47	*	0
44	-45	-11	-39	-37	-47	-47	-54	-22
46	-45	0	-40	-38	-48	-48	73	73
46	-44	-3	-39	-38	-47	-46	110	0
46	-45	0	-38	-36	-48	-46	103	0
45	-45	-3	-38	-37	-47	-46	110	0
45	-44	-8	-39	-35	-48	-46	107	1
44	-44	2	-38	-36	-47	-46	73	99
44	-45	1	-37	-35	-47	-45	0	96
46	-46	1	-38	-36	-46	-46	0	94
45	-46	0	-38	-34	-46	-46	*	96
44	-46	-7	-38	-34	-46	-46	73	99

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6- ENG LO ISO M AFT DEG
297	101	54	-28	-44	-46	-2	-3
298	102	15	-28	-45	-45	3	-3
299	102	35	-28	-44	-45	2	-3
300	102	56	-28	-45	-46	2	-3
301	103	17	-28	-42	-44	1	-3
302	103	38	-28	-44	-45	4	-3
303	103	59	-29	-43	-45	4	-3
304	104	20	-28	-44	-46	4	-3
305	104	41	-29	-43	-46	3	-3
306	105	2	-28	-44	-46	3	-3
307	105	23	-28	-44	-46	2	-3
308	105	43	-28	-43	-46	2	-3
309	106	4	-27	-44	-44	2	-3
310	106	25	-27	-44	-46	6	-3
311	106	46	-28	-45	-46	6	-3
312	107	7	-29	-42	-46	6	-3
313	107	28	-29	-44	-46	7	-3
314	107	49	-29	-42	-45	7	-3
315	108	10	-30	-43	-47	7	-3
316	108	31	-29	-42	-47	8	-3
317	108	52	-29	-43	-46	9	-3
318	109	13	-29	-42	-46	8	-3
319	109	34	-28	-43	-46	9	-3
320	109	55	-29	-41	-46	11	-3
321	110	16	-30	-40	-46	11	-3
322	110	37	-29	-42	-45	11	-3
323	110	58	-29	-42	-46	8	-3
324	111	19	-28	-43	-47	11	-3
325	111	40	-29	-42	-47	11	-3
326	112	0	-28	-42	-46	12	-3
327	112	21	-29	-42	-46	12	-3
328	112	42	-26	-40	-47	9	-3
329	113	3	-28	-40	-47	12	-3
330	113	24	-27	-41	-46	11	-3
331	113	45	-28	-41	-46	12	-3
332	114	5	-26	-40	-45	12	-3
333	114	26	-25	-42	-45	14	-3
334	114	47	-24	-40	-44	15	-3
335	115	8	-23	-40	-45	14	-2
336	115	29	-24	-41	-45	14	-2
337	115	49	-24	-41	-46	14	-2
338	116	10	-22	-41	-44	11	-2
339	116	31	-23	-41	-45	14	-2
340	116	52	-23	-41	-45	14	-2
341	117	12	-22	-41	-44	15	-2
342	117	33	-23	-41	-46	15	-2
343	117	54	-22	-42	-45	14	-2
344	118	15	-23	-40	-45	14	-2
345	118	35	-23	-40	-44	15	-2
346	118	56	-23	-41	-45	14	-2

6-06	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
44	-46	-2	-36	-35	-46	-46	111	-6
45	-45	3	-36	-34	-45	-45	*	-51
44	-45	2	-37	-35	-45	-45	104	89
45	-46	2	-35	-33	-46	-44	-54	-14
42	-44	1	-36	-34	-46	-45	110	95
44	-45	4	-35	-32	-44	-45	-54	-6
43	-45	4	-35	-33	-46	-44	*	88
44	-46	4	-35	-32	-45	-44	98	95
43	-46	3	-35	-34	-46	-46	73	73
44	-46	3	-36	-32	-46	-45	103	24
44	-46	2	-35	-32	-45	-45	110	110
43	-46	2	-34	-33	-45	-45	110	24
44	-44	2	-35	-32	-46	-45	2	*
44	-46	6	-34	-32	-46	-44	*	110
45	-46	6	-34	-32	-45	-45	36	98
42	-46	6	-34	-31	-45	-45	103	98
44	-46	7	-34	-32	-46	-44	116	24
42	-45	7	-33	-30	-45	-45	73	119
43	-47	7	-32	-31	-46	-44	*	110
42	-47	8	-33	-30	-45	-44	118	98
43	-46	9	-33	-31	-45	-44	*	111
42	-46	8	-33	-31	-44	-43	-54	*
43	-46	9	-32	-30	-44	-42	-54	*
41	-46	11	-32	-29	-44	-44	73	118
40	-46	11	-32	-30	-44	-44	73	109
42	-45	11	-32	-29	-44	-43	115	103
42	-46	8	-32	-28	-43	-43	*	73
43	-47	11	-31	-28	-44	-42	*	*
42	-47	11	-31	-28	-44	-44	114	98
42	-46	12	-31	-28	-44	-43	*	73
42	-46	12	-31	-28	-44	-43	*	*
40	-47	9	-31	-28	-44	-42	110	24
40	-47	12	-30	-29	-42	-44	-14	110
41	-46	11	-30	-28	-44	-42	24	114
41	-46	12	-30	-28	-44	-43	31	18
40	-45	12	-30	-27	-44	-42	98	73
42	-45	14	-30	-28	-43	-42	*	104
40	-44	15	-30	-27	-44	-42	26	21
40	-45	14	-29	-28	-43	-43	0	117
41	-45	14	-29	-27	-43	-42	0	91
41	-46	14	-28	-27	-43	-42	-54	73
41	-44	11	-29	-26	-43	-42	0	98
41	-45	14	-28	-28	-42	-42	24	0
41	-45	14	-29	-26	-43	-43	-54	99
41	-44	15	-28	-27	-42	-43	24	73
41	-46	15	-29	-26	-42	-42	*	73
42	-45	14	-28	-27	-42	-42	*	88
40	-45	14	-27	-26	-43	-40	114	0
40	-44	15	-28	-26	-43	-40	110	*
41	-45	14	-28	-26	-42	-40	18	26

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
347	119	17	-22	-42	-45	14	-28
348	119	37	-22	-42	-46	15	-28
349	119	58	-23	-40	-46	14	-27
350	120	19	-23	-41	-46	13	-27
351	120	39	-23	-41	-45	13	-27
352	121	0	-22	-40	-45	13	-27
353	121	21	-24	-42	-44	11	-26
354	121	41	-23	-42	-45	11	-26
355	122	2	-24	-40	-45	11	-27
356	122	22	-24	-41	-45	9	-27
357	122	43	-23	-39	-44	11	-26
358	123	3	-20	-41	-46	8	-26
359	123	24	-24	-42	-46	9	-26
360	123	45	-23	-40	-46	7	-27
361	124	5	-24	-41	-45	8	-26
362	124	26	-23	-41	-46	7	-26
363	124	46	-22	-41	-47	7	-26
364	125	7	-20	-40	-41	7	-26
365	125	27	-21	-40	-42	7	-26
366	125	48	-21	-40	-42	7	-25
367	126	8	-20	-39	-41	7	-26
368	126	28	-20	-41	-37	6	-25
369	126	49	-21	-41	-37	7	-26
370	127	9	-20	-42	-38	7	-25
371	127	30	-20	-40	-38	8	-25
372	127	50	-20	-41	-38	7	-26
373	128	11	-20	-41	-36	8	-25
374	128	31	-19	-40	-36	9	-25
375	128	51	-19	-40	-36	9	-25
376	129	12	-19	-42	-35	11	-24
377	129	32	-18	-40	-33	13	-25
378	129	52	-18	-42	-34	13	-25
[illegible]	130	13	-18	-41	-32	13	-25
380	130	33	-18	-42	-33	15	-25
381	130	54	-18	-41	-32	15	-25
382	131	14	-18	-40	-32	15	-25
383	131	34	-18	-40	-31	15	-25
384	131	55	-18	-41	-32	17	-25
385	132	15	-16	-40	-30	19	-25
386	132	35	-17	-40	-30	19	-24
387	132	56	-16	-40	-29	19	-24
388	133	16	-16	-40	-29	19	-24
389	133	36	-17	-40	-28	19	-24
390	133	56	-17	-40	-29	18	-24
391	134	17	-17	-40	-28	19	-24
392	134	37	-17	-40	-29	19	-25
393	134	57	-17	-40	-28	20	-24
394	135	18	-17	-40	-28	21	-24
395	135	38	-16	-40	-28	21	-24
396	135	58	-17	-40	-28	21	-24

-06 G.2 UEL TRL LET EMP G.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
42	-45	14	-28	-26	-42	-42	1	13
42	-46	15	-28	-26	-42	-41	-18	3
40	-46	14	-27	-26	-42	-41	*	-5
41	-46	13	-27	-26	-42	-41	*	-11
41	-45	13	-27	-26	-42	-42	-31	-17
40	-45	13	-27	-26	-42	-41	-31	-17
42	-44	11	-26	-26	-42	-42	-32	-22
42	-45	11	-26	-25	-42	-41	-31	-22
40	-45	11	-27	-26	-42	-42	-31	-23
41	-45	9	-27	-25	-42	-41	-32	-25
39	-44	11	-26	-25	-42	-41	-32	-27
41	-46	8	-26	-25	-42	-41	-31	-26
42	-46	9	-26	-25	-41	-40	-31	-28
40	-46	7	-27	-24	-41	-40	-31	-29
41	-45	8	-26	-25	-41	-40	-32	-29
41	-46	7	-26	-25	-41	-41	-32	-31
41	-43	7	-26	-25	-41	-40	-32	-30
40	-41	7	-26	-24	-41	-40	-31	-30
40	-42	7	-26	-25	-40	-40	-31	-30
40	-42	7	-25	-25	-41	-40	-31	-29
39	-41	7	-26	-24	-40	-40	-31	-30
41	-37	6	-25	-24	-41	-40	-31	-30
41	-37	7	-26	-25	-41	-40	-31	-31
42	-38	7	-25	-24	-41	-41	-30	-31
40	-38	8	-25	-24	-41	-40	-30	-31
41	-38	7	-26	-24	-41	-40	-29	-31
41	-36	8	-25	-24	-40	-40	-28	-30
40	-36	9	-25	-24	-40	-40	-25	-29
40	-36	9	-25	-24	-41	-40	-23	-28
42	-35	11	-24	-24	-40	-40	-21	-26
40	-33	13	-25	-24	-41	-40	-18	-25
42	-34	13	-25	-24	-40	-40	-16	-23
41	-32	13	-25	-24	-40	-40	-15	-22
42	-33	15	-25	-24	-40	-40	-13	-21
41	-32	15	-25	-24	-40	-40	-11	-20
40	-32	15	-25	-24	-40	-40	-10	-19
40	-31	15	-25	-24	-40	-40	-10	-19
41	-32	17	-25	-23	-40	-40	-9	-18
40	-30	19	-25	-23	-40	-39	-8	-18
40	-30	19	-24	-24	-39	-39	-8	-16
40	-29	19	-24	-24	-39	-40	-8	-16
40	-29	19	-24	-24	-40	-39	-8	-17
40	-28	19	-24	-24	-40	-40	-9	-18
40	-29	18	-24	-24	-40	-40	-9	-18
40	-28	19	-24	-24	-40	-40	-11	-19
40	-29	19	-25	-24	-39	-40	-9	-18
40	-28	20	-24	-23	-40	-40	-10	-17
40	-28	21	-24	-24	-40	-40	-10	-17
40	-28	21	-24	-24	-39	-40	-9	-17
40	-28	21	-24	-23	-40	-39	-9	-16

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
397	136	18	-17	-40	-27	22	-25
398	136	39	-16	-41	-27	22	-24
399	136	59	-17	-41	-28	22	-24
400	137	19	-16	-40	-26	23	-24
401	137	39	-16	-40	-27	25	-24
402	138	0	-16	-40	-27	23	-24
403	138	20	-17	-41	-26	24	-24
404	138	40	-16	-40	-26	24	-24
405	139	0	-16	-40	-26	24	-24
406	139	20	-16	-41	-26	24	-24
407	139	41	-17	-40	-26	25	-24
408	140	1	-16	-40	-26	26	-24
409	140	21	-17	-40	-26	26	-24
410	140	41	-16	-41	-26	25	-24
411	141	1	-16	-40	-25	27	-23
412	141	22	-16	-41	-24	26	-24
413	141	42	-16	-39	-25	28	-24
414	142	2	-17	-40	-25	27	-24
415	142	22	-16	-41	-25	27	-24
416	142	42	-16	-40	-26	26	-24
417	143	3	-16	-40	-25	27	-24
418	143	23	-17	-41	-25	27	-24
419	143	43	-16	-41	-24	27	-24
420	144	3	-16	-40	-25	27	-23
421	144	23	-16	-40	-25	27	-24
422	144	43	-16	-40	-25	28	-24
423	145	3	-16	-40	-25	27	-24
424	145	23	-17	-40	-24	27	-24
425	145	43	-17	-42	-25	27	-24
426	146	4	-17	-40	-25	27	-23
427	146	24	-16	-40	-24	27	-24
428	146	44	-17	-40	-24	27	-24
429	147	4	-16	-41	-25	27	-24
430	147	24	-16	-40	-25	27	-24
431	147	44	-17	-40	-25	26	-24
432	148	4	-17	-40	-24	27	-24
433	148	24	-16	-40	-25	27	-24
434	148	45	-17	-40	-24	27	-24
435	149	5	-18	-41	-24	27	-24
436	149	25	-17	-40	-24	26	-24
437	149	45	-17	-40	-24	26	-24
438	150	5	-17	-40	-24	26	-24
439	150	25	-18	-41	-24	26	-24
440	150	45	-17	-40	-24	25	-24
441	151	5	-18	-41	-24	26	-24
442	151	25	-18	-41	-24	26	-24
443	151	45	-18	-41	-25	27	-24
444	152	6	-18	-41	-24	26	-24
445	*	*	*	*	*	*	*

-06 G.2 UEL TRL LET EMP G.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
40	-27	22	-25	-24	-39	-39	-8	-16
41	-27	22	-24	-24	-40	-39	-8	-16
41	-28	22	-24	-24	-39	-40	-7	-16
40	-26	23	-24	-24	-40	-40	-8	-15
40	-27	25	-24	-24	-40	-40	-7	-15
40	-27	23	-24	-24	-39	-40	-7	-14
41	-26	24	-24	-24	-39	-39	-8	-14
40	-26	24	-24	-24	-40	-40	-7	-14
40	-26	24	-24	-24	-40	-40	-6	-14
41	-26	24	-24	-24	-39	-39	-7	-14
40	-26	25	-24	-24	-39	-39	-7	-14
40	-26	26	-24	-24	-39	-40	-6	-13
40	-26	26	-24	-24	-39	-39	-6	-12
41	-26	25	-24	-23	-39	-39	-6	-13
40	-25	27	-23	-24	-38	-39	-6	-12
41	-24	26	-24	-23	-38	-39	-6	-12
39	-25	28	-24	-24	-38	-39	-5	-12
40	-25	27	-24	-24	-39	-39	-5	-12
41	-25	27	-24	-24	-38	-39	-6	-12
40	-26	26	-24	-23	-38	-39	-5	-12
40	-25	27	-24	-24	-39	-39	-6	-12
41	-25	27	-24	-24	-39	-39	-5	-11
41	-24	27	-24	-24	-39	-39	-6	-12
40	-25	27	-23	-24	-38	-39	-5	-12
40	-25	27	-24	-24	-38	-39	-6	-12
40	-25	28	-24	-24	-39	-40	-6	-12
40	-25	27	-24	-24	-38	-39	-5	-12
40	-24	27	-24	-24	-38	-39	-5	-12
42	-25	27	-24	-24	-38	-40	-5	-12
40	-25	27	-23	-24	-38	-39	-6	-11
40	-24	27	-24	-24	-38	-39	-6	-12
40	-24	27	-24	-24	-38	-40	-7	-12
41	-25	27	-24	-24	-38	-39	-6	-12
40	-25	27	-24	-25	-38	-39	-6	-12
40	-25	26	-24	-24	-38	-39	-7	-12
40	-24	27	-24	-24	-38	-39	-7	-12
40	-25	27	-24	-24	-38	-39	-7	-12
40	-24	27	-24	-24	-38	-39	-8	-12
41	-24	27	-24	-24	-38	-38	-7	-12
40	-24	26	-24	-24	-37	-39	-6	-12
40	-24	26	-24	-24	-38	-39	-8	-12
40	-24	26	-24	-24	-38	-39	-7	-12
41	-24	26	-24	-24	-38	-39	-8	-13
40	-24	25	-24	-24	-38	-39	-7	-13
41	-24	26	-24	-24	-38	-39	-8	-13
41	-24	26	-24	-24	-38	-39	-8	-12
41	-25	27	-24	-24	-38	-38	-8	-12
41	-24	26	-24	-24	-38	-39	-8	-12
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HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
1	0	14	-53	-52	-53	-53	-53
2	0	34	-52	-52	-53	-53	-53
3	0	54	-52	-52	-53	-54	-54
4	1	14	-52	-53	-53	-54	-53
5	1	34	-52	-53	-53	-53	-54
6	1	54	-52	-52	-54	-54	-53
7	2	14	-53	-53	-53	-54	-54
8	2	34	-52	-52	-53	-54	-53
9	2	54	-53	-53	-53	-53	-54
10	3	14	-53	-52	-54	-54	-53
11	3	34	-53	-53	-54	-54	-54
12	3	54	-53	-53	-53	-54	-54
13	4	14	-52	-53	-54	-54	-54
14	4	34	-53	-53	-54	-54	-54
15	4	54	-53	-53	-53	-54	-54
16	5	14	-52	-52	-53	-54	-54
17	5	34	-53	-53	-54	-54	-54
18	5	54	-53	-53	-53	-54	-54
19	6	14	-52	-53	-53	-54	-53
20	6	34	-53	-53	-53	-54	-54
21	6	54	-52	-53	-54	-54	-54
22	7	14	-52	-53	-54	-54	-54
23	7	34	-53	-53	-54	-54	-54
24	7	54	-53	-53	-54	-54	-54
25	8	14	-52	-52	-53	-53	-54
26	8	34	-53	-52	-54	-54	-54
27	8	54	-52	-52	-54	-54	-53
28	9	16	-52	-52	-52	-53	-52
29	9	36	-52	-52	-52	-52	-52
30	9	56	-52	-52	-52	-53	-53
31	10	16	-52	-52	-52	-52	-52
32	10	36	-52	-52	-52	-53	-53
33	10	56	-52	-52	-52	-53	-52
34	11	16	-52	-52	-52	-53	-53
35	11	36	-52	-52	-52	-53	-53
36	11	56	-52	-52	-52	-53	-52
37	15	34	-51	-52	-52	-52	-52
38	15	54	-51	-52	-52	-52	-52
39	16	14	-52	-52	-52	-53	-52
40	16	34	-51	-52	-52	-53	-52
41	16	54	-51	-52	-52	-53	-52
42	17	14	-52	-52	-52	-52	-52
43	17	34	-52	-52	-52	-53	-52
44	17	54	-51	-52	-52	-52	-52
45	18	14	-52	-52	-52	-52	-5

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CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

6-16 ENG.1 INLET LIP SURF. 2.45 EG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
-52	-53	-53	-53	-53	-52	-54	-52	-54
-52	-53	-53	-53	-53	-52	-54	-52	-54
-52	-53	-54	-54	-53	-52	-54	-52	-54
-53	-53	-54	-53	-53	-52	-54	-52	-54
-53	-53	-53	-54	-53	-52	-54	-52	-54
-52	-54	-54	-53	-53	-52	-54	-52	-54
-53	-53	-54	-54	-53	-52	-54	-52	-53
-52	-53	-54	-53	-54	-52	-55	-53	-54
-53	-53	-53	-54	-53	-52	-54	-52	-53
-52	-54	-54	-53	-54	-52	-54	-52	-54
-53	-54	-54	-54	-53	-52	-55	-52	-54
-53	-53	-54	-54	-54	-52	-54	-52	-54
-53	-54	-54	-54	-53	-52	-55	-52	-54
-53	-54	-54	-54	-54	-52	-55	-52	-54
-53	-53	-54	-54	-54	-52	-54	-52	-54
-52	-53	-54	-54	-54	-53	-54	-52	-54
-53	-54	-54	-54	-54	-52	-54	-52	-54
-53	-53	-54	-54	-54	-52	-54	-52	-54
-53	-53	-54	-53	-54	-52	-55	-52	-54
-53	-53	-54	-54	-54	-53	-54	-52	-54
-53	-54	-54	-54	-54	-52	-54	-52	-54
-53	-54	-54	-54	-53	-52	-54	-52	-54
-53	-54	-54	-54	-54	-52	-54	-52	-54
-53	-54	-54	-54	-53	-52	-54	-52	-54
-52	-53	-53	-54	-53	-53	-55	-52	-54
-52	-54	-54	-54	-53	-52	-54	-52	-54
-52	-54	-54	-53	-53	-52	-54	-52	-54
-52	-52	-53	-52	-53	-52	-53	-52	-53
-52	-52	-52	-52	-53	-52	-53	-52	-53
-52	-52	-53	-53	-53	-52	-53	-52	-53
-52	-52	-52	-52	-52	-52	-53	-52	-53
-52	-52	-53	-53	-53	-52	-53	-52	-53
-52	-52	-53	-52	-53	-52	-54	-51	-53
-52	-52	-53	-53	-53	-52	-53	-52	-53
-52	-52	-53	-53	-52	-52	-53	-51	-53
-52	-52	-53	-52	-53	-52	-53	-52	-52
-52	-52	-52	-52	-52	-51	-53	-51	-53
-52	-52	-52	-52	-52	-52	-53	-51	-53
-52	-52	-53	-52	-52	-52	-52	-52	-53
-52	-52	-53	-52	-52	-52	-52	-52	-53
-52	-52	-53	-52	-52	-51	-53	-52	-53
-52	-52	-52	-52	-52	-52	-53	-51	-53
-52	-52	-53	-52	-52	-52	-54	-52	-53
-52	-52	-52	-52	-52	-52	-53	-52	-53
-52	-52	-52	-52	-52	-52	-53	-52	-53

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
46	18	34	-52	-52	-52	-52	-52
47	18	54	-52	-52	-52	-52	-52
48	19	14	-52	-52	-52	-53	-52
50	19	37	-51	-51	-51	-52	-52
51	19	57	-51	-52	-52	-52	-52
52	20	17	-51	-52	-52	-52	-52
53	20	37	-51	-51	-52	-51	-52
54	20	57	-51	-51	-52	-52	-52
55	21	17	-52	-51	-52	-52	-52
56	21	37	-51	-51	-51	-52	-52
57	21	57	-51	-51	-52	-52	-51
58	22	17	-50	-51	-51	-52	-52
59	22	37	-50	-51	-51	-52	-52
60	22	57	-51	-51	-51	-52	-52
61	23	17	-51	-51	-52	-52	-52
62	23	37	-51	-51	-52	-52	-52
63	23	57	-51	-52	-51	-52	-52
64	24	17	-52	-51	-52	-52	-52
65	24	27	-50	-50	-51	-52	-51
66	24	43	-51	-52	-51	-52	-52
67	25	3	-51	-52	-51	-52	-52
68	25	23	-51	-52	-51	-52	-51
69	25	43	-51	-51	-51	-52	-51
70	26	3	-51	-51	-51	-52	-52
71	26	23	-51	-51	-51	-52	-51
72	26	43	-51	-52	-52	-51	-51
73	27	3	-50	-51	-51	-52	-52
74	27	23	-52	-51	-51	-51	-52
75	27	43	-51	-51	-51	-51	-52
76	28	3	-50	-51	-51	-52	-52
77	28	23	-51	-51	-51	-52	-52
78	28	43	-51	-52	-52	-51	-51
79	29	3	-51	-51	-51	-51	-51
80	29	23	-51	-50	-51	-52	-52
81	29	43	-52	-50	-52	-51	-51
82	30	3	-49	-53	-51	-51	-50
83	30	23	-50	-50	-51	-51	-50
84	30	43	-50	-51	-51	-50	-53
85	31	3	-52	-50	-51	-52	-48
86	31	23	-52	-50	-51	-52	-48
87	31	43	-51	-52	-51	-52	-50
88	32	3	-50	-52	-51	-52	-49
89	32	23	-51	-49	-50	-50	-50
90	32	43	-50	-50	-51	-50	-53
91	33	3	-50	-50	-50	-51	-53
92	33	23	-49	-51	-50	-52	-49
93	33	43	-50	-51	-50	-50	-50
94	34	4	-50	-50	-50	-52	-48
95	34	24	-50	-49	-50	-50	-49
96	34	44	-50	-49	-50	-48	-49

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
-52	-52	-52	-52	-52	-52	-53	-52	-53
-52	-52	-52	-52	-52	-52	-53	-52	-53
-52	-52	-53	-52	-53	-52	-53	-52	-53
-51	-51	-52	-52	-52	-51	-52	-51	-52
-52	-52	-52	-52	-52	-51	-52	-51	-52
-52	-52	-52	-52	-51	-51	-52	-51	-52
-51	-52	-51	-52	-52	-51	-52	-51	-52
-51	-52	-52	-52	-52	-51	-53	-50	-52
-51	-52	-52	-52	-52	-52	-52	-51	-52
-51	-51	-52	-52	-52	-51	-52	-51	-52
-51	-52	-52	-51	-52	-51	-52	-50	-51
-51	-51	-52	-52	-52	-51	-52	-51	-52
-51	-51	-52	-52	-51	-51	-52	-51	-52
-51	-51	-52	-52	-52	-51	-52	-50	-52
-51	-52	-52	-52	-52	-52	-52	-51	-52
-51	-52	-52	-52	-52	-51	-52	-51	-52
-52	-51	-52	-52	-52	-51	-52	-51	-52
-51	-52	-52	-52	-52	-51	-52	-51	-52
-50	-51	-52	-51	-52	-50	-52	-50	-51
-52	-51	-52	-52	-52	-51	-52	-50	-52
-52	-51	-52	-52	-52	-50	-52	-50	-52
-52	-51	-52	-51	-52	-51	-52	-50	-52
-51	-51	-52	-51	-51	-50	-52	-50	-52
-51	-51	-52	-52	-52	-51	-52	-51	-52
-51	-51	-52	-51	-52	-51	-52	-51	-52
-52	-52	-51	-51	-52	-51	-52	-50	-52
-51	-51	-52	-52	-52	-51	-52	-51	-52
-51	-51	-51	-52	-52	-51	-52	-50	-52
-51	-51	-51	-52	-52	-51	-52	-51	-52
-51	-51	-52	-52	-52	-51	-52	-51	-52
-51	-51	-52	-52	-51	-51	-52	-51	-52
-52	-52	-51	-51	-52	-51	-52	-51	-52
-51	-51	-51	-51	-52	-51	-52	-50	-52
-50	-51	-52	-52	-52	-51	-52	-54	-52
-50	-52	-51	-51	-52	-51	-52	-51	-52
-53	-51	-51	-50	-52	-50	-52	-50	-52
-50	-51	-51	-50	-52	-51	-52	-51	-52
-51	-51	-50	-53	-52	-51	-52	-51	-52
-50	-51	-52	-48	-52	-51	-52	-51	-52
-50	-51	-52	-48	-51	-51	-52	-51	-52
-52	-51	-52	-50	-51	-51	-52	-51	-52
-52	-51	-52	-49	-51	-51	-52	-51	-52
-49	-50	-50	-50	-52	-51	-52	-51	-52
-50	-51	-50	-53	-51	-51	-52	-51	-52
-50	-50	-51	-53	-51	-51	-51	-50	-51
-51	-50	-52	-49	-52	-51	-52	-50	-52
-51	-50	-50	-50	-52	-51	-52	-50	-52
-50	-50	-52	-48	-52	-51	-52	-51	-52
-49	-50	-50	-49	-51	-51	-52	-50	-52
-49	-50	-48	-49	-51	-50	-52	-50	-52

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
97	35	4	-51	-50	-50	-51	-48
98	35	24	-50	-48	-50	-49	-52
99	35	44	-50	-49	-50	-51	-49
100	36	4	-52	-49	-50	-49	-53
101	36	24	-50	-52	-50	-50	-48
102	36	44	-51	-51	-50	-50	-52
103	37	4	-50	-51	-49	-50	-52
104	37	24	-52	-48	-50	-51	-49
105	37	44	-50	-48	-49	-51	-48
106	38	4	-49	-49	-49	-49	-49
107	38	24	-50	-51	-49	-50	-48
108	38	44	-51	-48	-50	-50	-48
109	39	4	-50	-51	-50	-50	-50
110	39	24	-51	-48	-49	-51	-48
111	39	44	-48	-49	-49	-50	-48
112	40	4	-49	-50	-48	-49	-49
113	40	24	-50	-48	-49	-50	-48
114	40	44	-49	-48	-49	-49	-48
115	41	4	-50	-48	-49	-50	-48
116	41	24	-48	-48	-49	-48	-48
117	41	44	-50	-50	-48	-49	-48
118	42	4	-49	-49	-48	-49	-50
119	42	24	-48	-50	-48	-50	-48
120	42	44	-48	-49	-49	-49	-48
121	43	4	-49	-48	-48	-49	-47
122	43	24	-49	-49	-48	-48	-48
123	43	44	-51	-48	-48	-48	-49
124	44	4	-51	-48	-48	-48	-49
125	44	24	-48	-49	-48	-49	-48
126	44	44	-49	-50	-48	-48	-47
127	45	4	-50	-47	-48	-48	-47
128	45	24	-50	-47	-48	-48	-47
129	45	44	-49	-46	-48	-48	-47
130	46	4	-50	-46	-48	-48	-46
131	46	23	-48	-47	-47	-48	-48
132	46	43	-50	-47	-48	-48	-46
133	47	3	-47	-49	-48	-48	-48
134	47	23	-49	-48	-47	-48	-48
135	47	43	-48	-47	-47	-47	-49
136	48	3	-48	-47	-48	-48	-49
137	48	23	-48	-47	-48	-48	-47
138	48	43	-50	-47	-48	-48	-47
139	49	3	-48	-47	-48	-48	-46
140	49	23	-49	-48	-47	-48	-47
141	49	43	-48	-47	-47	-48	-46
142	50	3	-49	-49	-47	-47	-47
143	50	23	-48	-48	-47	-48	-48
144	50	43	-48	-48	-47	-48	-48
145	51	3	-48	-48	-48	-48	-48
146	51	23	-48	-47	-47	-48	-46

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
-50	-50	-51	-48	-50	-51	-52	-51	-52
-48	-50	-49	-52	-50	-51	-52	-50	-52
-49	-50	-51	-49	-51	-51	-51	-50	-52
-49	-50	-49	-53	-50	-51	-52	-51	-52
-52	-50	-50	-48	-50	-51	-52	-50	-52
-51	-50	-50	-52	-49	-50	-52	-50	-52
-51	-49	-50	-52	-50	-50	-52	-51	-52
-48	-50	-51	-49	-50	-51	-51	-51	-52
-48	-49	-51	-48	-50	-50	-52	-50	-52
-49	-49	-49	-49	-50	-50	-52	-51	-52
-51	-49	-50	-48	-48	-51	-52	-50	-52
-48	-50	-50	-48	-49	-50	-52	-50	-52
-51	-50	-50	-50	-50	-50	-52	-50	-52
-48	-49	-51	-48	-50	-51	-51	-50	-52
-49	-49	-50	-48	-49	-50	-52	-50	-52
-50	-48	-49	-49	-50	-50	-52	-50	-52
-48	-49	-50	-48	-49	-50	-51	-50	-52
-48	-49	-49	-48	-49	-50	-52	-50	-51
-48	-49	-50	-48	-50	-50	-51	-50	-52
-48	-49	-48	-48	-50	-50	-51	-50	-51
-50	-48	-49	-48	-49	-50	-52	-50	-52
-49	-48	-49	-50	-50	-50	-51	-50	-52
-50	-48	-50	-48	-50	-50	-51	-50	-51
-49	-49	-49	-48	-49	-50	-51	-49	-51
-48	-48	-49	-47	-50	-50	-51	-50	-52
-49	-48	-48	-48	-50	-50	-51	-50	-51
-48	-48	-48	-49	-50	-50	-51	-50	-51
-48	-48	-48	-49	-49	-50	-51	-49	-52
-49	-48	-49	-48	-49	-50	-51	-50	-51
-50	-48	-48	-47	-49	-50	-51	-49	-51
-47	-48	-48	-47	-50	-50	-51	-49	-52
-47	-48	-48	-47	-50	-50	-50	-50	-51
-46	-48	-48	-47	-50	-50	-51	-50	-51
-48	-48	-48	-46	-49	-49	-51	-50	-52
-47	-47	-48	-48	-48	-49	-51	-50	-51
-47	-48	-48	-46	-48	-50	-50	-48	-52
-49	-48	-48	-48	-48	-49	-51	-49	-51
-48	-47	-48	-48	-48	-49	-51	-50	-51
-47	-47	-47	-49	-50	-49	-51	-49	-51
-47	-48	-48	-49	-50	-50	-50	-49	-52
-47	-48	-48	-47	-48	-49	-50	-50	-51
-47	-48	-48	-47	-48	-49	-50	-49	-51
-47	-48	-48	-46	-50	-49	-50	-50	-51
-48	-47	-48	-47	-48	-49	-50	-49	-51
-47	-47	-48	-46	-49	-49	-50	-49	-51
-49	-47	-47	-47	-48	-49	-50	-49	-51
-48	-47	-48	-48	-47	-49	-50	-49	-51
-48	-47	-48	-48	-48	-50	-50	-49	-51
-48	-48	-48	-48	-47	-49	-50	-49	-51
-47	-47	-48	-46	-49	-49	-50	-49	-51

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
147	51	43	-49	-48	-47	-48	-47
148	52	3	-48	-46	-47	-47	-49
149	52	23	-48	-47	-47	-47	-46
150	52	43	-48	-46	-48	-47	-46
151	53	3	-48	-46	-46	-48	-46
152	53	23	-48	-46	-47	-47	-46
153	53	43	-48	-46	-47	-47	-46
154	54	3	-48	-46	-47	-48	-44
155	54	23	-49	-47	-46	-47	-44
156	54	43	-50	-46	-47	-48	-46
157	55	3	-47	-48	-46	-47	-48
158	55	22	-47	-46	-46	-47	-46
159	55	42	-48	-46	-47	-48	-44
160	56	2	-48	-46	-46	-47	-46
161	56	22	-47	-47	-47	-47	-48
162	56	42	-48	-48	-46	-48	-45
163	57	2	-47	-47	-46	-47	-46
164	57	22	-47	-46	-46	-47	-46
165	57	42	-48	-46	-46	-46	-45
166	58	2	-48	-46	-46	-46	-46
167	58	22	-46	-47	-46	-46	-46
168	58	42	-47	-47	-46	-46	-46
169	59	2	-48	-46	-46	-46	-48
170	59	22	-48	-46	-46	-46	-46
171	59	42	-48	-47	-47	-48	-45
172	60	2	-48	-45	-46	-46	-47
173	60	22	-47	-46	-46	-47	-46
174	60	42	-47	-48	-46	-47	-48
175	61	2	-48	-46	-46	-46	-45
176	61	22	-48	-47	-46	-47	-44
177	61	42	-47	-45	-46	-46	-47
178	62	2	-48	-46	-46	-47	-48
179	62	22	-48	-47	-46	-48	-48
180	62	42	-48	-47	-47	-47	-44
181	63	2	-47	-47	-47	-47	-48
182	63	22	-47	-46	-46	-45	-46
183	63	42	*	-54	*	0	*
184	64	2	-55	147	2	-54	118
185	64	21	147	5	23	221	2
186	64	41	*	*	*	-56	298
187	65	1	5	-55	147	31	295
188	65	21	*	*	236	*	*
189	65	41	*	229	*	*	*
190	66	1	52	55	68	63	54
191	66	21	48	49	59	53	41
192	66	41	39	41	51	43	36
193	67	1	32	37	39	36	28
194	67	21	21	25	32	21	15
195	67	41	8	11	17	3	2
196	68	1	0	1	7	-4	-4

6-16 ENG.1 INLET LIP SURF. 2.45 EG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
-48	-47	-48	-47	-48	-49	-50	-49	-51
-46	-47	-47	-49	-48	-49	-50	-49	-51
-47	-47	-47	-46	-48	-49	-50	-49	-51
-46	-48	-47	-46	-48	-49	-50	-49	-51
-46	-46	-48	-46	-48	-49	-50	-49	-51
-46	-47	-47	-46	-48	-49	-50	-49	-50
-46	-47	-47	-46	-48	-48	-50	-49	-51
-46	-47	-48	-44	-49	-48	-50	-49	-51
-47	-46	-47	-44	-48	-48	-50	-49	-51
-46	-47	-48	-46	-48	-48	-51	-49	-51
-48	-46	-47	-48	-48	-48	-50	-49	-50
-46	-46	-47	-46	-48	-48	-50	-49	-51
-46	-47	-48	-44	-47	-48	-50	-49	-51
-46	-46	-47	-46	-48	-48	-50	-48	-50
-47	-47	-47	-48	-47	-48	-50	-48	-51
-48	-46	-48	-45	-47	-48	-50	-49	-50
-47	-46	-47	-46	-48	-48	-50	-49	-50
-46	-46	-47	-46	-48	-48	-50	-48	-51
-46	-46	-46	-45	-48	-48	-50	-48	-50
-46	-46	-46	-46	-48	-48	-50	-48	-51
-47	-46	-46	-48	-48	-48	-50	-48	-50
-47	-46	-46	-46	-47	-48	-50	-49	-50
-46	-46	-46	-48	-46	-48	-50	-48	-49
-46	-46	-46	-46	-48	-48	-50	-48	-50
-47	-47	-48	-45	-48	-48	-50	-49	-50
-45	-46	-46	-47	-47	-48	-50	-48	-50
-46	-46	-47	-46	-48	-48	-50	-48	-50
-48	-46	-47	-48	-46	-48	-50	-48	-50
-46	-46	-46	-45	-47	-48	-50	-48	-50
-47	-46	-47	-44	-47	-48	-50	-48	-50
-45	-46	-46	-47	-47	-48	-50	-48	-50
-46	-46	-47	-48	-47	-48	-50	-48	-50
-47	-46	-48	-48	-47	-48	-50	-48	-50
-47	-47	-47	-44	-48	-48	-50	-48	-50
-47	-47	-47	-48	-46	-48	-50	-48	-50
-46	-46	-46	-46	-47	-48	-49	-48	-50
-54	*	0	*	36	-48	-48	-48	-50
147	2	-54	118	147	-46	-51	-48	-49
5	23	221	2	-54	-44	-49	-44	-51
*	*	-56	298	-56	-38	-40	-38	-40
-55	147	31	295	5	-36	-49	-36	-51
*	236	*	*	-60	-31	-54	-36	-46
29	*	*	*	*	-39	-40	-37	-48
55	68	63	54	42	-36	-48	-34	-50
49	59	53	41	31	-36	-48	-35	-50
41	51	43	36	24	-37	-48	-34	-49
37	39	36	28	11	-32	-49	-37	-49
25	[illegible]	21	15	3	-32	-49	-39	-49
11	[illegible]	3	2	-6	-34	-49	-39	-49
1	7	-4	-4	-16	-36	-49	-40	-48

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
197	68	21	-2	1	0	-8	-9
198	68	41	-7	1	-0	-12	-10
199	69	1	-8	0	-6	-16	-11
200	69	21	-12	0	-10	-18	-15
201	69	41	-14	-4	-12	-21	-18
202	70	1	-16	-8	-16	-23	-21
203	70	21	-17	-13	-18	-25	-23
204	70	41	-19	-13	-22	-26	-22
205	71	1	-20	-15	-23	-28	-25
206	71	21	-22	-16	-25	-29	-26
207	71	41	-24	-19	-28	-30	-27
208	72	0	-26	-22	-28	-31	-28
209	72	20	-26	-22	-28	-32	-30
210	72	40	-28	-24	-29	-32	-30
211	73	0	-28	-27	-32	-34	-32
212	73	20	-29	-27	-33	-34	-32
213	73	40	-30	-28	-34	-35	-32
214	74	0	-31	-30	-35	-36	-34
215	74	20	-32	-31	-36	-36	-34
216	74	40	-32	-31	-37	-36	-35
217	75	0	-33	-32	-37	-37	-34
218	75	20	-34	-32	-38	-38	-36
219	75	40	-34	-34	-39	-38	-36
220	76	0	-35	-35	-38	-38	-36
221	76	20	-37	-37	-38	-38	-36
222	76	40	-39	-39	-40	-40	-39
223	77	0	-42	-42	-42	-43	-43
224	77	20	-44	-44	-45	-45	-46
225	77	40	-46	-46	-46	-47	-47
226	78	0	-46	-47	-48	-48	-47
227	78	20	-47	-46	-48	-48	-48
228	78	40	-47	-48	-48	-48	-48
229	78	59	-47	-48	-47	-48	-49
230	79	19	-48	-48	-48	-49	-48
231	79	39	-48	-48	-48	-49	-49
232	79	59	-47	-48	-48	-48	-48
233	80	19	-47	-48	-46	-47	-47
234	80	39	-45	-47	-46	-47	-46
235	80	59	-44	-44	-44	-45	-45
236	81	19	-44	-45	-44	-45	-44
237	81	39	-43	-42	-43	-43	-43
238	81	59	-43	-42	-43	-42	-43
239	82	19	-43	-43	-43	-42	-41
240	82	39	-44	-44	-42	-43	-44
241	82	59	-45	-46	-45	-44	-44
242	83	19	-44	-44	-45	-44	-44
243	83	39	-44	-45	-45	-44	-44
244	83	59	-44	-44	-45	-45	-44
245	84	19	-43	-44	-45	-45	-44
246	84	39	-44	-44	-45	-45	-43

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
1	0	-8	-9	-18	-35	-50	-41	-48
1	-0	-12	-10	-20	-38	-49	-41	-48
0	-6	-16	-11	-21	-40	-49	-40	-48
0	-10	-18	-15	-22	-40	-49	-41	-48
-4	-12	-21	-18	-23	-41	-49	-42	-48
-8	-16	-23	-21	-24	-41	-49	-42	-48
-13	-18	-25	-23	-25	-42	-49	-42	-47
-13	-22	-26	-22	-26	-42	-48	-42	-47
-15	-23	-28	-25	-26	-41	-48	-42	-47
-16	-25	-29	-26	-27	-42	-48	-43	-46
-19	-28	-30	-27	-28	-42	-48	-43	-48
-22	-28	-31	-28	-28	-42	-49	-43	-46
-22	-28	-32	-30	-28	-42	-49	-43	-47
-24	-29	-32	-30	-30	-42	-48	-44	-46
-27	-32	-34	-32	-30	-42	-49	-44	-47
-27	-33	-34	-32	-30	-42	-48	-44	-47
-28	-34	-35	-32	-31	-43	-49	-44	-46
-30	-35	-36	-34	-32	-42	-48	-43	-47
-31	-36	-36	-34	-32	-42	-48	-44	-46
-31	-37	-36	-35	-33	-42	-48	-44	-47
-32	-37	-37	-34	-34	-42	-48	-44	-46
-32	-38	-38	-36	-34	-42	-48	-44	-46
-34	-39	-38	-36	-34	-42	-49	-44	-46
-35	-38	-38	-36	-34	-42	-49	-42	-47
-37	-38	-38	-36	-35	-42	-48	-43	-48
-39	-40	-40	-39	-38	-42	-49	-43	-48
-42	-42	-43	-43	-42	-42	-49	-43	-47
-44	-45	-45	-46	-45	-44	-49	-44	-47
-46	-46	-47	-47	-46	-44	-49	-44	-48
-47	-48	-48	-47	-47	-45	-50	-45	-47
-46	-48	-48	-48	-48	-45	-49	-44	-48
-48	-48	-48	-48	-48	-45	-50	-44	-47
-48	-47	-48	-49	-48	-46	-50	-44	-47
-48	-48	-49	-48	-48	-46	-49	-44	-47
-48	-48	-49	-48	-48	-45	-49	-44	-47
-4.	-48	-48	-48	-49	-45	-49	-44	-46
-48	-46	-47	-47	-48	-45	-48	-43	-45
-47	-46	-47	-46	-48	-44	-48	-42	-45
-44	-44	-45	-45	-45	-44	-46	-41	-43
-45	-44	-45	-44	-44	-43	-46	-41	-42
-42	-43	-43	-43	-44	-42	-45	-40	-42
-42	-43	-42	-43	-43	-42	-44	-38	-41
-43	-43	-42	-41	-43	-42	-44	-36	-41
-44	-42	-43	-44	-45	-41	-45	-38	-42
-46	-45	-44	-44	-46	-41	-45	-39	-42
-44	-45	-44	-44	-44	-40	-44	-39	-42
-45	-45	-44	-44	-43	-40	-42	-38	-41
-44	-45	-45	-44	-43	-38	-42	-36	-40
-44	-45	-45	-44	-42	-37	-41	-36	-40
-44	-45	-45	-43	-42	-36	-40	-34	-40

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
247	84	59	-44	-45	-45	-45	-44
248	85	19	-44	-44	-44	-44	-44
249	85	39	-43	-43	-44	-44	-43
250	85	59	-43	-43	-43	-44	-42
251	86	19	-42	-43	-43	-44	-42
252	86	39	-42	-42	-43	-43	-42
253	86	59	-42	-41	-42	-43	-42
254	87	19	-42	-42	-42	-43	-41
255	87	39	-41	-42	-41	-42	-41
256	87	59	-41	-42	-42	-43	-41
257	88	19	-42	-41	-41	-42	-40
258	88	39	-40	-42	-42	-42	-41
259	88	59	-40	-42	-42	-42	-42
260	89	19	-40	-41	-43	-41	-42
261	89	39	-40	-41	-41	-41	-41
262	89	59	-40	-41	-41	-41	-40
263	90	19	-40	-40	-41	-42	-40
264	90	40	-40	-41	-41	-41	-40
265	91	0	-40	-40	-41	-41	-40
266	91	20	-40	-40	-40	-41	-40
267	91	40	-40	-40	-40	-41	-40
268	92	0	-40	-40	-41	-40	-38
269	92	20	-40	-41	-40	-40	-39
270	92	41	-39	-40	-40	-40	-38
271	93	1	-40	-40	-41	-40	-39
272	93	21	-40	-41	-41	-40	-39
273	93	41	-41	-41	-42	-40	-40
274	94	2	-40	-41	-40	-40	-38
275	94	22	-40	-40	-40	-39	-39
276	94	42	-40	-40	-39	-39	-38
277	95	3	-40	-40	-40	-38	-37
278	95	23	-40	-40	-40	-38	-37
279	95	43	-40	-39	-39	-38	-38
280	96	4	-39	-39	-39	-37	-38
281	96	24	-39	-40	-39	-38	-38
282	96	45	-39	-40	-40	-38	-38
283	97	5	-40	-39	-39	-38	-37
284	97	26	-21	-16	-54	0	14
285	97	46	0	51	95	-54	-22
286	98	7	-54	-54	-14	-54	-54
287	98	27	73	0	1	2	2
288	98	48	-54	110	0	24	73
289	99	8	98	73	*	147	0
290	99	29	-54	129	73	*	24
291	99	49	118	*	147	-14	73
292	100	10	125	114	148	98	-54
293	100	31	-54	73	24	0	98
294	100	52	-54	*	147	162	*
295	101	12	110	118	98	-14	*
296	101	33	-54	*	140	98	*

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
-45	-45	-45	-44	-42	-36	-40	-34	-39
-44	-44	-44	-44	-42	-34	-39	-33	-38
-43	-44	-44	-43	-41	-33	-38	-32	-37
-43	-43	-44	-42	-41	-32	-38	-31	-36
-43	-43	-44	-42	-41	-30	-38	-29	-36
-42	-43	-43	-42	-41	-30	-37	-28	-34
-41	-42	-43	-42	-40	-28	-36	-27	-35
-42	-42	-43	-41	-40	-26	-36	-26	-34
-42	-41	-42	-41	-40	-26	-36	-26	-34
-42	-42	-43	-41	-40	-25	-36	-25	-34
-41	-41	-42	-40	-40	-24	-35	-25	-33
-42	-42	-42	-41	-40	-23	-35	-24	-33
-42	-42	-42	-42	-40	-23	-36	-24	-33
-41	-43	-41	-42	-40	-22	-33	-22	-32
-41	-41	-41	-41	-40	-22	-34	-22	-33
-41	-41	-41	-40	-39	-20	-33	-21	-32
-40	-41	-42	-40	-39	-21	-34	-22	-32
-41	-41	-41	-40	-38	-20	-34	-22	-32
-40	-41	-41	-40	-39	-20	-34	-21	-32
-40	-40	-41	-40	-38	-20	-33	-21	-32
-40	-40	-41	-40	-39	-20	-34	-22	-32
-40	-41	-40	-38	-38	-20	-34	-22	-33
-41	-40	-40	-39	-36	-20	-32	-21	-32
-40	-40	-40	-38	-37	-19	-33	-20	-32
-40	-41	-40	-39	-37	-19	-32	-21	-32
-41	-41	-40	-39	-38	-20	-33	-22	-32
-41	-42	-40	-40	-38	-21	-33	-22	-31
-41	-40	-40	-38	-39	-22	-32	-23	-31
-40	-40	-39	-39	-38	-22	-32	-23	-31
-40	-39	-39	-38	-38	-22	-32	-23	-31
-40	-40	-38	-37	-37	-23	-31	-22	-30
-40	-40	-38	-37	-37	-22	-31	-22	-30
-39	-39	-38	-38	-37	-22	-32	-22	-30
-39	-39	-37	-38	-37	-23	-31	-22	-30
-40	-39	-38	-38	-36	-23	-31	-22	-29
-40	-40	-38	-38	-36	-22	-31	-21	-29
-39	-39	-38	-37	-37	-22	-31	-22	-28
-16	-54	0	14	-16	-21	-31	-19	-26
-51	95	-54	-22	0	-20	-31	-17	-26
-54	-14	-54	-54	-54	-16	-30	-15	-26
[illegible]	1	2	2	5	-15	-28	-14	-26
10	0	24	73	0	-16	-31	-13	-26
73	*	147	0	-54	-17	-30	-12	-26
29	73	*	24	110	-15	-28	-12	-26
*	147	-14	73	96	-13	-28	-18	-25
14	148	98	-54	*	-15	-27	-11	-27
73	24	0	98	0	-13	-29	-10	-25
*	147	162	*	88	-14	-28	-10	-26
18	98	-14	*	0	-16	-28	-10	-25
*	140	98	*	36	-14	-27	-11	-26

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6-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
297	101	54	*	*	73	125	118
298	102	15	*	0	0	73	110
299	102	35	98	24	24	24	-54
300	102	56	-14	-54	-14	-14	-54
301	103	17	115	147	98	-54	*
302	103	38	24	24	24	24	-54
303	103	59	98	*	0	125	125
304	104	20	98	24	-14	*	*
305	104	41	73	73	73	73	73
306	105	2	-54	0	110	97	-54
307	105	23	24	-54	1	0	110
308	105	43	0	140	24	2	73
309	106	4	-54	-54	147	125	110
310	106	25	*	110	*	98	110
311	106	46	*	113	*	125	*
312	107	7	*	36	147	*	*
313	107	28	*	0	110	132	-54
314	107	49	98	-54	*	73	125
315	108	10	127	*	0	140	98
316	108	31	*	36	147	24	*
317	108	52	*	129	73	*	117
318	109	13	0	73	140	130	98
319	109	34	-58	*	0	0	0
320	109	55	125	-6	*	-56	73
321	110	16	*	0	133	24	0
322	110	37	73	0	*	*	*
323	110	58	110	104	98	-14	*
324	111	19	*	*	*	*	0
325	111	40	*	*	73	133	98
326	112	0	110	110	147	-14	*
327	112	21	*	*	*	*	*
328	112	42	0	97	0	125	0
329	113	3	*	110	*	110	-54
330	113	24	73	*	98	110	0
331	113	45	30	13	28	29	19
332	114	5	*	110	0	98	110
333	114	26	0	-54	110	*	128
334	114	47	35	15	41	32	19
335	115	8	0	98	73	-14	110
336	115	29	73	-54	147	-14	110
337	115	49	-14	73	-14	147	-54
338	116	10	73	-54	110	*	118
339	116	31	24	73	24	73	-54
340	116	52	0	-54	110	*	119
341	117	12	-14	110	-14	110	-54
342	117	33	-14	73	-14	73	-54
343	117	54	*	110	-14	118	-54
344	118	15	-14	122	0	*	117
345	118	35	110	*	155	0	98
346	118	56	28	18	38	30	21

-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NLET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
URF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
*	73	125	118	-14	-14	-28	-11	-24
0	0	73	110	118	-13	-27	-10	-23
24	24	24	-54	*	-13	-30	-10	-25
54	-14	-14	-54	-54	-14	-26	-9	-24
47	98	-54	*	*	-16	-29	-10	-25
24	24	24	-54	-54	-15	-27	-9	-25
*	0	125	125	*	-16	-28	-10	-24
24	-14	*	*	0	-16	-28	-10	-24
73	73	73	73	73	-16	-28	-12	-26
0	110	97	-54	0	-16	-28	-10	-25
54	1	0	110	110	-15	-28	-11	-25
40	24	2	73	110	-16	-27	-12	-24
-54	147	125	110	73	-16	-26	-11	-24
10	*	98	110	0	-15	-28	-11	-25
13	*	125	*	0	-15	-28	-10	-25
36	147	*	*	88	-15	-26	-12	-25
0	110	132	-54	*	-16	-27	-11	-24
-54	*	73	125	98	-14	-28	-10	-24
*	0	140	98	*	-14	-27	-8	-23
36	147	24	*	36	-14	-26	-10	-23
29	73	*	117	*	-14	-27	-10	-22
73	140	130	98	-54	-15	-27	-10	-24
*	0	0	0	0	-15	-28	-11	-23
-6	*	-56	73	99	-12	-26	-10	-22
0	133	24	0	103	-13	-28	-8	-22
0	*	*	*	-54	-13	-26	-8	-22
84	98	-14	*	*	-15	-26	-10	-22
*	*	*	0	0	-14	-27	-8	-21
*	73	133	98	-54	-14	-27	-8	-21
10	147	-14	*	0	-14	-26	-9	-21
*	*	*	*	*	-13	-25	-8	-21
47	0	125	0	110	-13	-24	-8	-22
10	*	110	-54	103	-12	-24	-8	-22
*	98	110	0	-54	-14	-24	-8	-23
13	28	29	19	9	-14	-26	-10	-22
10	0	98	110	*	-9	-26	-7	-21
54	110	*	128	0	-7	-27	-7	-21
15	41	32	19	8	-7	-26	-6	-22
88	73	-14	110	*	-8	-27	-7	-24
54	147	-14	110	-54	-8	-26	-8	-23
73	-14	147	-54	110	-7	-27	-7	-24
54	110	*	118	0	-7	-28	-8	-24
73	24	73	-54	73	-8	-28	-8	-24
54	110	*	119	0	-8	-28	-9	-24
10	-14	110	-54	103	-8	-28	-8	-25
73	-14	73	-54	73	-8	-28	-7	-24
10	-14	110	-54	73	-8	-28	-8	-25
22	0	*	117	36	-8	-27	-10	-24
*	155	0	98	0	-8	-28	-8	-26
18	38	30	21	8	-10	-26	-9	-25

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
347	119	17	8	1	18	7	2
348	119	37	-10	-15	0	-11	-13
349	119	58	-20	-24	-16	-22	-23
350	120	19	*	*	*	*	*
351	120	39	-30	-32	-30	-31	-31
352	121	0	-32	-32	-32	-33	-32
353	121	21	-32	-34	-34	-34	-33
354	121	41	-33	-34	-35	-34	-32
355	122	2	-33	-34	-35	-34	-33
356	122	22	-33	-34	-36	-34	-34
357	122	43	-34	-35	-35	-35	-34
358	123	3	-34	-35	-35	-35	-33
359	123	24	-34	-34	-36	-35	-33
360	123	45	-34	-34	-35	-34	-33
361	124	5	-34	-35	-35	-35	-33
362	124	26	-35	-36	-35	-34	-33
363	124	46	-34	-36	-34	-34	-33
364	125	7	-34	-35	-35	-34	-32
365	125	27	-33	-35	-36	-34	-32
366	125	48	-34	-35	-35	-34	-31
367	126	8	-34	-35	-35	-34	-32
368	126	28	-34	-35	-36	-34	-32
369	126	49	-34	-36	-35	-34	-31
370	127	9	-34	-35	-35	-33	-31
371	127	30	-33	-35	-36	-33	-31
372	127	50	-33	-34	-35	-34	-32
373	128	11	-33	-34	-34	-36	-30
374	128	31	-32	-34	-34	-33	-30
375	128	51	-30	-33	-34	-33	-31
376	129	12	-28	-32	-33	-33	-31
377	129	32	-26	-30	-30	-31	-31
378	129	52	-24	-30	-30	-32	-31
379	130	13	-22	-29	-30	-32	-30
380	130	33	-21	-29	-29	-31	-30
381	130	54	-20	-28	-29	-31	-30
382	131	14	-20	-28	-29	-30	-31
383	131	34	-20	-27	-28	-30	-30
384	131	55	-19	-27	-30	-31	-31
385	132	15	-19	-28	-28	-30	-30
386	132	35	-19	-26	-29	-31	-31
387	132	56	-19	-26	-30	-30	-30
388	133	16	-19	-27	-30	-31	-30
389	133	36	-19	-27	-29	-30	-31
390	133	56	-21	-27	-30	-32	-32
391	134	17	-21	-28	-30	-32	-32
392	134	37	-21	-28	-30	-31	-32
393	134	57	-21	-28	-30	-31	-32
394	135	18	-21	-27	-29	-32	-32
395	135	38	-21	-28	-29	-32	-31
396	135	58	-20	-28	-30	-32	-32

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
1	18	7	2	-5	-10	-27	-11	-26
15	0	-11	-13	-1[illegible]	-11	-27	-12	-26
24	-16	-22	-23	[illegible]	-11	-27	-12	-26
*	*	*	*	*	-13	-28	-12	-25
32	-30	-31	-31	-30	-12	-26	-13	-26
32	-32	-33	-32	-31	-12	-28	-13	-26
34	-34	-34	-33	-32	-12	-26	-12	-26
34	-35	-34	-32	-32	-12	-27	-14	-26
34	-35	-34	-33	-32	-12	-28	-15	-26
34	-36	-34	-34	-32	-13	-28	-15	-26
35	-35	-35	-34	-32	-13	-28	-16	-26
35	-35	-35	-33	-33	-13	-28	-15	-26
34	-36	-35	-33	-32	-14	-27	-16	-26
34	-35	-34	-33	-32	-14	-28	-16	-27
35	-35	-35	-33	-32	-14	-27	-16	-26
36	-35	-34	-33	-32	-13	-28	-16	-27
36	-34	-34	-33	-31	-13	-30	-11	-26
35	-35	-34	-32	-30	-17	-30	-15	-24
35	-36	-34	-32	-29	-20	-30	-18	-24
35	-35	-34	-31	-28	-21	-30	-18	-26
35	-35	-34	-32	-28	-23	-31	-18	-26
35	-36	-34	-32	-28	-22	-33	-20	-26
36	-35	-34	-31	-28	-20	-33	-20	-27
35	-35	-33	-31	-27	-14	-32	-16	-27
35	-36	-33	-31	-28	-10	-33	-12	-28
34	-35	-34	-32	-27	-8	-32	-7	-28
34	-34	-34	-30	-26	0	-32	11	-28
34	-34	-33	-30	-26	8	-33	30	-28
33	-34	-33	-31	-26	22	-32	37	-23
32	-33	-33	-31	-27	30	-29	46	-14
30	-30	-31	-31	-26	34	-28	46	-10
30	-30	-32	-31	-26	35	-32	45	-16
29	-30	-32	-30	-26	33	-33	47	-22
29	-29	-31	-30	-26	37	-34	48	-23
28	-29	-31	-30	-26	36	-34	49	-25
28	-29	-30	-31	-27	34	-34	49	-27
27	-28	-30	-30	-26	33	-35	49	-28
27	-30	-31	-31	-26	31	-35	45	-28
28	-28	-30	-30	-27	22	-34	35	-29
26	-29	-31	-31	-27	22	-35	37	-29
26	-30	-30	-30	-27	26	-35	42	-29
27	-30	-31	-30	-28	24	-36	38	-30
27	-29	-30	-31	-28	17	-34	26	-30
27	-30	-32	-32	-29	12	-34	19	-31
28	-30	-32	-32	-28	11	-34	17	-30
28	-30	-31	-32	-28	19	-36	31	-30
28	-30	-31	-32	-28	23	-35	37	-28
27	-29	-32	-32	-28	25	-36	39	-30
28	-29	-32	-31	-29	27	-36	40	-29
28	-30	-32	-32	-28	27	-36	41	-30

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
397	136	18	-20	-28	-29	-32	-32
398	136	39	-20	-28	-31	-32	-32
399	136	59	-20	-28	-30	-32	-32
400	137	19	-20	-27	-29	-31	-32
401	137	39	-19	-27	-31	-32	-33
402	138	0	-20	-28	-30	-32	-33
403	138	20	-19	-28	-31	-32	-32
404	138	40	-19	-28	-30	-32	-33
405	139	0	-19	-27	-30	-32	-33
406	139	20	-19	-27	-32	-32	-32
407	139	41	-19	-27	-30	-33	-33
408	140	1	-19	-27	-30	-32	-33
409	140	21	-18	-27	-30	-32	-33
410	140	41	-18	-26	-31	-32	-33
411	141	1	-18	-27	-30	-32	-33
412	141	22	-18	-27	-29	-33	-33
413	141	42	-18	-27	-31	-32	-33
414	142	2	-18	-28	-31	-32	-33
415	142	22	-18	-28	-30	-33	-34
416	142	42	-18	-27	-30	-33	-34
417	143	3	-18	-27	-32	-32	-33
418	143	23	-18	-28	-30	-34	-34
419	143	43	-19	-27	-30	-33	-34
420	144	3	-19	-28	-30	-34	-34
421	144	23	-19	-28	-31	-34	-34
422	144	43	-18	-28	-32	-33	-34
423	145	3	-19	-28	-31	-34	-35
424	145	23	-19	-28	-32	-34	-34
425	145	44	-20	-28	-30	-34	-35
426	146	4	-19	-28	-32	-34	-34
427	146	24	-20	-29	-31	-34	-35
428	146	44	-20	-29	-32	-34	-34
429	147	4	-20	-29	-32	-34	-34
430	147	24	-20	-30	-33	-34	-34
431	147	44	-20	-29	-32	-34	-35
432	148	4	-20	-30	-32	-34	-35
433	148	24	-20	-29	-33	-35	-36
434	148	45	-20	-29	-34	-34	-35
435	149	5	-20	-30	-33	-35	-36
436	149	25	-21	-30	-32	-35	-36
437	149	45	-22	-30	-33	-35	-36
438	150	5	-21	-30	-33	-35	-36
439	150	25	-21	-30	-33	-35	-36
440	150	45	-22	-30	-33	-34	-35
441	151	5	-21	-30	-33	-35	-36
442	151	25	-22	-30	-34	-35	-36
443	151	45	-21	-30	-33	-35	-36
444	152	6	-21	-30	-33	-36	-36
445	*	*	*	*	*	*	*

6-16 ENG.1 INLET LIP SURF. 2.45 EG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
-28	-29	-32	-32	-29	27	-36	40	-30
-28	-31	-32	-32	-29	28	-36	40	-29
-28	-30	-32	-32	-29	28	-37	41	-30
-27	-29	-31	-32	-29	28	-36	40	-30
-27	-31	-32	-33	-29	28	-36	40	-30
-28	-30	-32	-33	-29	28	-36	40	-30
-28	-31	-32	-32	-29	28	-36	39	-30
-28	-30	-32	-33	-29	28	-36	39	-30
-27	-30	-32	-33	-29	28	-37	39	-30
-27	-32	-32	-32	-30	28	-37	40	-30
-27	-30	-33	-33	-30	27	-37	38	-30
-27	-30	-32	-33	-29	27	-37	38	-30
-27	-30	-32	-33	-29	26	-36	38	-30
-26	-31	-32	-33	-30	25	-37	39	-30
-27	-30	-32	-33	-29	26	-37	38	-30
-27	-29	-33	-33	-30	27	-36	36	-30
-27	-31	-32	-33	-30	25	-37	37	-30
-28	-31	-32	-33	-30	25	-36	37	-30
-28	-30	-33	-34	-30	25	-37	37	-30
-27	-30	-33	-34	-30	24	-38	36	-30
-27	-32	-32	-33	-30	23	-38	36	-30
-28	-30	-34	-34	-30	22	-38	36	-30
-27	-30	-33	-34	-30	23	-38	35	-31
-28	-30	-34	-34	-31	22	-38	34	-31
-28	-31	-34	-34	-31	21	-38	35	-30
-28	-32	-33	-34	-31	21	-38	34	-31
-28	-31	-34	-35	-31	21	-38	34	-31
-28	-32	-34	-34	-32	21	-38	34	-31
-28	-30	-34	-35	-30	21	-38	33	-31
-28	-32	-34	-34	-31	20	-38	33	-31
-29	-31	-34	-35	-32	19	-38	32	-31
-29	-32	-34	-34	-32	20	-38	32	-32
-29	-32	-34	-34	-32	19	-38	31	-31
-30	-33	-34	-34	-31	19	-38	31	-31
-29	-32	-34	-35	-32	19	-38	30	-31
-30	-32	-34	-35	-32	18	-38	30	-32
-29	-33	-35	-36	-32	18	-38	29	-32
-29	-34	-34	-35	-32	18	-38	31	-32
-30	-33	-35	-36	-32	18	-38	30	-32
-30	-32	-35	-36	-32	18	-38	29	-32
-30	-33	-35	-36	-32	17	-38	28	-31
-30	-33	-35	-36	-32	16	-38	28	-32
-30	-33	-35	-36	-32	16	-38	28	-32
-30	-33	-34	-35	-32	16	-38	28	-32
-30	-33	-35	-36	-32	15	-39	27	-32
-30	-34	-35	-36	-32	16	-38	27	-32
-30	-33	-35	-36	-32	15	-38	27	-32
-30	-33	-35	-36	-33	15	-38	26	-31
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
1	0	14	-53	-53	-54	-54
2	0	34	-53	-52	-54	-54
3	0	54	-53	-52	-54	-54
4	1	14	-53	-54	-54	-54
5	1	34	-54	-53	-54	-53
6	1	54	-53	-53	-54	-54
7	2	14	-53	-53	-54	-54
8	2	34	-54	-53	-54	-54
9	2	54	-53	-53	-54	-54
10	3	14	-53	-53	-54	-55
11	3	34	-53	-53	-54	-55
12	3	54	-53	-53	-54	-54
13	4	14	-53	-54	-54	-54
14	4	34	-54	-54	-54	-54
15	4	54	-53	-53	-54	-55
16	5	14	-53	-53	-54	-54
17	5	34	-53	-53	-54	-54
18	5	54	-53	-53	-54	-54
19	6	14	-54	-53	-54	-54
20	6	34	-53	-53	-54	-54
21	6	54	-53	-53	-54	-54
22	7	14	-53	-53	-54	-54
23	7	34	-54	-53	-54	-54
24	7	54	-53	-53	-54	-54
25	8	14	-53	-53	-54	-55
26	8	34	-53	-53	-54	-54
27	8	54	-53	-53	-54	-54
28	9	16	-53	-53	-54	-54
29	9	36	-53	-53	-54	-54
30	9	56	-53	-53	-54	-54
31	10	16	-52	-53	-54	-54
32	10	36	-53	-53	-54	-54
33	10	56	-52	-53	-54	-54
34	11	16	-53	-53	-54	-55
35	11	36	-53	-53	-54	-54
36	11	56	-53	-53	-54	-54
37	15	34	-52	-53	-54	-54
38	15	54	-53	-53	-54	-54
39	16	14	-53	-53	-54	-54
40	16	34	-53	-52	-54	-54
41	16	54	-53	-54	-54	-54
42	17	14	-53	-54	-54	-54
43	17	34	-54	-53	-54	-54
44	17	54	-53	-53	-54	-54
45	18	14	-54	-53	-54	-54

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
46	18	34	-53	-53	-54	-54
47	18	54	-53	-53	-54	-54
48	19	14	-53	-53	-53	-54
90	19	37	-53	-53	-53	-53
51	19	57	-53	-53	-53	-53
52	20	17	-52	-52	-52	-54
53	20	37	-52	-52	-53	-54
54	20	57	-53	-53	-53	-53
55	21	17	-52	-52	-54	-54
56	21	37	-52	-52	-54	-54
57	21	57	-52	-52	-54	-54
58	22	17	-52	-52	-54	-53
59	22	37	-52	-52	-53	-53
60	22	57	-52	-52	-53	-53
61	23	17	-53	-53	-53	-53
62	23	37	-52	-52	-54	-54
63	23	57	-52	-53	-54	-54
64	24	17	-53	-52	-54	-54
65	24	27	-52	-52	-52	-52
66	24	43	-53	-53	-53	-53
67	25	3	-52	-53	-53	-53
68	25	23	-53	-53	-53	-53
69	25	43	-52	-52	-53	-53
70	26	3	-52	-52	-54	-53
71	26	23	-53	-52	-53	-53
72	26	43	-53	-52	-53	-53
73	27	3	-52	-52	-53	-53
74	27	23	-53	-52	-53	-53
75	27	43	-52	-52	-53	-53
76	28	3	-53	-52	-53	-54
77	28	23	-52	-52	-54	-53
78	28	43	-52	-52	-54	-54
79	29	3	-52	-52	-52	-53
80	29	23	-52	-52	-54	-53
81	29	43	-53	-52	-53	-53
82	30	3	-52	-52	-53	-53
83	30	23	-52	-53	-53	-54
84	30	43	-52	-52	-54	-54
85	31	3	-53	-53	-53	-53
86	31	23	-53	-52	-53	-53
87	31	43	-52	-52	-54	-53
88	32	3	-52	-52	-53	-53
89	32	23	-52	-52	-53	-54
90	32	43	-53	-52	-53	-53
91	33	3	-52	-52	-54	-53
92	33	23	-52	-52	-53	-53
93	33	43	-52	-52	-52	-54
94	34	4	-53	-52	-52	-52
95	34	24	-52	-52	-53	-53
96	34	44	-52	-52	-53	-52

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
97	35	4	-52	-52	-52	-53
98	35	24	-52	-52	-53	-53
99	35	44	-52	-52	-53	-53
100	36	4	-53	-52	-53	-53
101	36	24	-52	-52	-53	-54
102	36	44	-52	-52	-53	-54
103	37	4	-52	-52	-53	-54
104	37	24	-53	-53	-53	-53
105	37	44	-53	-53	-53	-52
106	38	4	-52	-52	-53	-53
107	38	24	-52	-52	-53	-54
108	38	44	-52	-52	-53	-52
109	39	4	-52	-52	-53	-53
110	39	24	-52	-52	-54	-53
111	39	44	-52	-52	-53	-54
112	40	4	-52	-52	-52	-53
113	40	24	-52	-53	-53	-53
114	40	44	-52	-52	-53	-53
115	41	4	-52	-52	-53	-53
116	41	24	-52	-52	-53	-53
117	41	44	-52	-53	-53	-53
118	42	4	-51	-52	-53	-52
119	42	24	-52	-51	-53	-53
120	42	44	-52	-53	-53	-53
121	43	4	-52	-52	-53	-54
122	43	24	-52	-52	-53	-53
123	43	44	-52	-52	-54	-53
124	44	4	-52	-52	-54	-53
125	44	24	-52	-52	-53	-53
126	44	44	-52	-53	-53	-52
127	45	4	-52	-52	-53	-53
128	45	24	-52	-52	-53	-53
129	45	44	-52	-53	-53	-54
130	46	4	-53	-51	-53	-53
131	46	23	-52	-52	-54	-54
132	46	43	-52	-52	-54	-53
133	47	3	-52	-52	-53	-53
134	47	23	-51	-52	-53	-54
135	47	43	-52	-52	-53	-53
136	48	3	-53	-52	-54	-54
137	48	23	-52	-52	-53	-53
138	48	43	-52	-52	-53	-53
139	49	3	-52	-52	-54	-54
140	49	23	-52	-52	-52	-53
141	49	43	-52	-52	-53	-53
142	50	3	-52	-52	-53	-53
143	50	23	-52	-52	-53	-53
144	50	43	-52	-52	-53	-52
145	51	3	-52	-52	-54	-54
146	51	23	-52	-52	-53	-52

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
147	51	43	-52	-51	-53	-53
148	52	3	-52	-52	-54	-53
149	52	23	-53	-52	-57	-53
150	52	43	-52	-52	-53	-52
151	53	3	-52	-52	-53	-53
152	53	23	-53	-52	-53	-53
153	53	43	-52	-52	-53	-53
154	54	3	-52	-52	-52	-53
155	54	23	-52	-51	-53	-53
156	54	43	-52	-52	-53	-53
157	55	3	-52	-52	-53	-52
158	55	22	-52	-52	-54	-53
159	55	42	-52	-52	-53	-53
160	56	2	-52	-52	-52	-52
161	56	22	-52	-52	-53	-54
162	56	42	-52	-52	-53	-54
163	57	2	-52	-52	-52	-53
164	57	22	-52	-52	-52	-52
165	57	42	-52	-52	-52	-53
166	58	2	-52	-52	-52	-53
167	58	22	-52	-52	-53	-54
168	58	42	-52	-52	-52	-53
169	59	2	-52	-52	-53	-53
170	59	22	-52	-52	-52	-53
171	59	42	-52	-52	-54	-54
172	60	2	-52	-51	-53	-54
173	60	22	-52	-52	-53	-53
174	60	42	-51	-51	-53	-52
175	61	2	-52	-52	-53	-54
176	61	22	-52	-51	-53	-53
177	61	42	-52	-52	-52	-53
178	62	2	-52	-52	-53	-53
179	62	22	-52	-52	-54	-53
180	62	42	-52	-52	-52	-54
181	63	2	-52	-52	-53	-53
182	63	22	-52	-52	-54	-53
183	63	42	-51	-52	-52	-54
184	64	2	-52	-51	-52	-52
185	64	21	-52	-51	-52	-52
186	64	41	-53	-51	-53	-52
187	65	1	-53	-52	-52	-52
188	65	21	-52	-51	-54	-52
189	65	41	-53	-50	-53	-53
190	66	1	-52	-52	-53	-53
191	66	21	-52	-52	-52	-52
192	66	41	-51	-51	-53	-51
193	67	1	-52	-52	-52	-52
194	67	21	-49	-51	-52	-53
195	67	41	-28	-50	-53	-52
196	68	1	0	-47	-51	-52

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
197	68	21	11	-46	-52	-52
198	68	41	11	-43	-53	-53
199	69	1	12	-41	-53	-52
200	69	21	12	-40	-52	-53
201	69	41	11	-40	-51	-53
202	70	1	11	-38	-51	-52
203	70	21	11	-38	-52	-53
204	70	41	9	-37	-52	-52
205	71	1	9	-37	-52	-52
206	71	21	8	-36	-52	-52
207	71	41	7	-36	-51	-51
208	72	0	7	-36	-52	-53
209	72	20	6	-35	-52	-53
210	72	40	6	-36	-52	-52
211	73	0	4	-35	-52	-52
212	73	20	4	-34	-52	-52
213	73	40	4	-34	-51	-51
214	74	0	3	-34	-51	-52
215	74	20	2	-34	-51	-52
216	74	40	2	-34	-51	-53
217	75	0	2	-33	-52	-52
218	75	20	1	-34	-52	-53
219	75	40	0	-33	-52	-52
220	76	0	0	-34	-51	-53
221	76	20	-0	-34	-52	-52
222	76	40	4	-34	-51	-52
223	77	0	22	-33	-51	-52
224	77	20	33	-31	-52	-52
225	77	40	33	-26	-51	-52
226	78	0	31	-23	-52	-52
227	78	20	30	-19	-51	-51
228	78	40	29	-16	-51	-51
229	78	59	27	-14	-50	-51
230	79	19	26	-11	-50	-51
231	79	39	25	-8	-50	-51
232	79	59	24	-7	-50	-51
233	80	19	23	-6	-50	-51
234	80	39	23	-4	-51	-51
235	80	59	22	-3	-50	-51
236	81	19	21	-1	-51	-52
237	81	39	22	-1	-51	-51
238	81	59	21	0	-50	-50
239	82	19	20	1	-51	-52
240	82	39	19	2	-50	-51
241	82	59	18	2	-50	-51
242	83	19	16	2	-49	-51
243	83	39	15	2	-51	-50
244	83	59	14	4	-50	-51
245	84	19	14	5	-50	-50
246	84	39	12	6	-50	-50

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
247	84	59	12	6	-49	-50
248	85	19	9	8	-50	-49
249	85	39	10	11	-50	-50
250	85	59	9	13	-49	-50
251	86	19	8	15	-49	-50
252	86	39	7	18	-49	-50
253	86	59	7	21	-50	-50
254	87	19	7	23	-49	-49
255	87	39	6	25	-49	-49
256	87	59	5	27	-49	-50
257	88	19	5	28	-49	-48
258	88	39	6	29	-50	-50
259	88	59	5	30	-49	-49
260	89	19	5	31	-49	-50
261	89	39	5	32	-50	-49
262	89	59	5	34	-49	-50
263	90	19	5	33	-49	-48
264	90	40	4	34	-48	-49
265	91	0	4	34	-49	-48
266	91	20	5	34	-49	-49
267	91	40	4	36	-48	-49
268	92	0	4	34	-48	-48
269	92	20	3	36	-48	-49
270	92	41	4	35	-48	-48
271	93	1	4	35	-48	-48
272	93	21	4	37	-48	-49
273	93	41	5	36	-48	-48
274	94	2	4	36	-48	-48
275	94	22	4	35	-47	-48
276	94	42	3	36	-48	-48
277	95	3	4	37	-48	-47
278	95	23	4	36	-48	-46
279	95	43	4	37	-47	-47
280	96	4	4	38	-48	-47
281	96	24	5	38	-47	-47
282	96	45	4	38	-47	-46
283	97	5	4	37	-47	-46
284	97	26	5	38	-46	-47
285	97	46	4	39	-46	-47
286	98	7	4	41	-46	-47
287	98	27	5	42	-46	-45
288	98	48	5	44	-46	-47
289	99	8	5	44	-45	-46
290	99	29	4	45	-45	-46
291	99	49	5	46	-46	-44
292	100	10	5	48	-44	-45
293	100	31	5	49	-45	-44
294	100	52	5	49	-45	-45
295	101	12	5	49	-45	-45
296	101	33	5	50	-44	-45

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
297	101	54	5	49	-44	-45
298	102	15	5	51	-43	-45
299	102	35	5	50	-44	-44
300	102	56	5	52	-44	-44
301	103	17	4	52	-44	-44
302	103	38	7	53	-44	-44
303	103	59	5	54	-44	-44
304	104	20	6	54	-44	-44
305	104	41	6	52	-44	-43
306	105	2	5	54	-45	-44
307	105	23	5	54	-43	-44
308	105	43	6	55	-44	-44
309	106	4	6	54	-44	-43
310	106	25	7	55	-42	-44
311	106	46	6	55	-44	-44
312	107	7	7	55	-44	-43
313	107	28	6	55	-44	-43
314	107	49	7	55	-44	-44
315	108	10	7	56	-42	-44
316	108	31	7	55	-43	-42
317	108	52	6	55	-43	-43
318	109	13	6	55	-43	-42
319	109	34	7	55	-42	-43
320	109	55	7	54	-42	-43
321	110	16	7	54	-43	-42
322	110	37	7	55	-42	-42
323	110	58	8	56	-42	-43
324	111	19	7	55	-43	-42
325	111	40	8	55	-42	-42
326	112	0	7	56	-42	-43
327	112	21	7	56	-43	-43
328	112	42	7	56	-42	-42
329	113	3	8	57	-41	-43
330	113	24	7	57	-42	-42
331	113	45	8	57	-42	-41
332	114	5	9	57	-40	-42
333	114	26	9	56	-42	-42
334	114	47	8	57	-42	-42
335	115	8	9	55	-42	-42
336	115	29	10	55	-42	-42
337	115	49	9	54	-42	-42
338	116	10	9	54	-42	-42
339	116	31	10	54	-43	-42
340	116	52	9	54	-43	-42
341	117	12	10	52	-41	-42
342	117	33	9	52	-42	-42
343	117	54	10	52	-42	-42
344	118	15	10	51	-42	-42
345	118	35	11	52	-42	-42
346	118	56	11	52	-42	-42

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
347	119	17	11	51	-43	-42
348	119	37	10	50	-42	-42
349	119	58	10	49	-43	-42
350	120	19	10	47	-42	-42
351	120	39	10	46	-41	-43
352	121	0	11	45	-42	-43
353	121	21	11	44	-42	-42
354	121	41	10	44	-43	-42
355	122	2	9	42	-43	-42
356	122	22	10	42	-42	-42
357	122	43	9	40	-42	-42
358	123	3	10	40	-41	-42
359	123	24	10	41	-41	-43
360	123	45	11	40	-42	-42
361	124	5	9	39	-42	-41
362	124	26	9	39	-42	-42
363	124	46	11	41	-41	-42
364	125	7	10	41	-42	-42
365	125	27	11	38	-41	-42
366	125	48	11	36	-42	-42
367	126	8	11	35	-42	-42
368	126	28	11	34	-42	-42
369	126	49	10	33	-42	-41
370	127	9	10	32	-42	-42
371	127	30	11	31	-41	-41
372	127	50	11	30	-42	-42
373	128	11	12	30	-41	-42
374	128	31	12	29	-42	-42
375	128	51	11	28	-41	-41
376	129	12	12	27	-41	-41
377	129	32	13	26	-41	-42
378	129	52	12	25	-42	-41
379	130	13	13	25	-41	-41
380	130	33	12	24	-41	-41
381	130	54	13	23	-42	-42
382	131	14	12	22	-41	-42
383	131	34	12	22	-41	-41
384	131	55	13	21	-42	-41
385	132	15	12	21	-39	-41
386	132	35	14	21	-40	-41
387	132	56	13	19	-40	-40
388	133	16	12	18	-40	-40
389	133	36	12	18	-40	-41
390	133	56	12	18	-42	-42
391	134	17	13	16	-41	-40
392	134	37	12	16	-40	-41
393	134	57	12	16	-42	-40
394	135	18	12	15	-41	-41
395	135	38	11	15	-41	-42
396	135	58	11	15	-40	-41

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
397	136	18	11	14	-41	-42
398	136	39	11	14	-41	-42
399	136	59	11	13	-41	-41
400	137	19	10	12	-41	-41
401	137	39	11	12	-41	-41
402	138	0	10	12	-40	-40
403	138	20	10	12	-40	-41
404	138	40	10	11	-41	-41
405	139	0	11	11	-41	-42
406	139	20	11	10	-41	-41
407	139	41	10	10	-40	-40
408	140	1	9	10	-40	-42
409	140	21	9	10	-41	-41
410	140	41	9	9	-40	-41
411	141	1	9	8	-40	-40
412	141	22	8	9	-40	-40
413	141	42	9	8	-40	-40
414	142	2	8	7	-41	-41
415	142	22	8	7	-41	-41
416	142	42	8	7	-41	-41
417	143	3	8	7	-40	-41
418	143	23	8	7	-41	-41
419	143	43	8	6	-40	-40
420	144	3	7	5	-41	-41
421	144	23	8	5	-40	-40
422	144	43	7	5	-40	-40
423	145	3	7	5	-41	-40
424	145	23	7	4	-41	-41
425	145	44	6	4	-41	-41
426	146	4	7	4	-40	-40
427	146	24	5	4	-41	-40
428	146	44	6	4	-41	-40
429	147	4	6	3	-41	-41
430	147	24	5	3	-41	-40
431	147	44	5	3	-42	-41
432	148	4	5	3	-41	-40
433	148	24	5	2	-40	-41
434	148	45	5	2	-40	-41
435	149	5	5	2	-40	-40
436	149	25	4	2	-41	-41
437	149	45	4	1	-41	-41
438	150	5	5	1	-41	-41
439	150	25	4	0	-41	-41
440	150	45	4	1	-40	-41
441	151	5	4	0	-40	-41
442	151	25	3	0	-41	-40
443	151	45	4	0	-40	-40
444	152	6	3	0	-41	-40
445	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C
1	0	16	-45	-44	-45	-44	-44
2	0	36	-45	-45	-44	-43	-45
3	0	56	-44	-45	-44	-44	-44
4	1	16	-45	-43	-44	-45	-45
5	1	36	-45	-45	-45	-44	-45
6	1	56	-44	-44	-44	-44	-45
7	2	17	-44	-45	-44	-44	-45
8	2	37	-44	-44	-45	-45	-45
9	2	57	-44	-44	-44	-44	-45
10	3	17	-45	-44	-45	-45	-45
11	3	37	-45	-45	-45	-44	-46
12	3	57	-45	-45	-45	-45	-45
13	4	13	-44	-44	-45	-44	-45
14	4	36	-45	-45	-45	-45	-44
15	4	56	-44	-45	-45	-44	-45
16	5	16	-45	-44	-45	-43	-45
17	5	36	-44	-43	-44	-44	-45
18	5	56	-44	-44	-45	-44	-45
19	6	16	-44	-44	-44	-45	-45
20	6	36	-44	-44	-45	-45	-45
21	6	56	-44	-45	-44	-44	-45
22	7	16	-44	-44	-45	-45	-45
23	7	36	-44	-43	-44	-44	-45
24	7	56	-45	-45	-45	-45	-45
25	8	16	-44	-44	-44	-45	-45
26	8	36	-45	-45	-45	-45	-45
27	8	56	-44	-45	-45	-44	-45
28	9	19	-45	-45	-45	-45	-45
29	9	39	-45	-44	-45	-45	-45
30	9	59	-45	-45	-44	-44	-45
31	10	19	-45	-45	-44	-44	-44
32	10	39	-44	-44	-45	-44	-45
33	10	59	-45	-45	-45	-44	-44
34	11	19	-45	-44	-45	-45	-45
35	11	39	-44	-44	-45	-45	-45
36	11	59	-44	-44	-44	-45	-45
37	15	36	-44	-45	-45	-45	-44
38	15	56	-45	-44	-45	-44	-46
39	16	16	-44	-45	-45	-45	-45
40	16	36	-45	-45	-45	-44	-45
41	16	56	-45	-45	-44	-45	-45
42	17	16	-44	-45	-44	-44	-44
43	17	36	-45	-43	-44	-44	-45
44	17	56	-44	-44	-45	-45	-45
45	18	16	-44	-44	-45	-44	-4

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CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

7-06 NG.1 GNIT CITR SKIN ENBD EG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 COMPRS CSE STG.3 4.30 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
-44	-45	-44	-44	-45	-45	-45	-44	-43
-45	-44	-43	-45	-45	-45	-44	-43	-44
-45	-44	-44	-44	-46	-46	-45	-44	-43
-43	-44	-45	-45	-45	-45	-45	-43	-43
-45	-45	-44	-45	-45	-44	-45	-43	-44
-44	-44	-44	-45	-45	-45	-44	-43	-43
-45	-44	-44	-45	-46	-46	-45	-44	-45
-44	-45	-45	-45	-46	-45	-45	-45	-44
-44	-44	-44	-45	-45	-45	-44	-44	-44
-44	-45	-45	-45	-45	-45	-45	-45	-44
-45	-45	-44	-46	-45	-46	-45	-45	-44
-45	-45	-45	-45	-45	-44	-44	-45	-43
-44	-45	-44	-45	-45	-45	-45	-44	-43
-45	-45	-45	-44	-46	-46	-45	-44	-45
-45	-45	-44	-45	-45	-45	-45	-44	-45
-44	-45	-43	-45	-46	-45	-44	-45	-44
-43	-44	-44	-45	-45	-45	-45	-44	-44
-44	-45	-44	-45	-45	-46	-45	-44	-44
-44	-44	-45	-45	-45	-45	-45	-44	-44
-44	-45	-45	-45	-45	-45	-45	-44	-44
-45	-44	-44	-45	-45	-46	-45	-44	-45
-44	-45	-45	-45	-45	-45	-44	-45	-45
-43	-44	-44	-45	-45	-45	-45	-44	-44
-45	-45	-45	-45	-45	-46	-45	-45	-44
-44	-44	-45	-45	-46	-45	-45	-44	-45
-45	-45	-45	-45	44	-46	-45	-45	-45
-45	-45	-44	-45	-44	-46	-45	-45	-44
-45	-45	-45	-45	-45	-44	-44	-45	-44
-44	-45	-45	-45	-46	-45	-45	-44	-44
-45	-44	-44	-44	-44	-44	-46	-44	-45
-45	-44	-44	-44	-46	-46	-46	-44	-45
-44	-45	-44	-45	-45	-45	-44	-44	-44
-45	-45	-44	-44	-46	-46	-45	-44	-45
-44	-45	-45	-45	-45	-45	-45	-44	-45
-44	-45	-45	-45	-45	-46	-43	-44	-44
-44	-44	-45	-45	-45	-45	-45	-44	-44
-45	-45	-45	-44	-45	-45	-45	-45	-45
-44	-45	-44	-46	-45	-45	-45	-45	-45
-45	-45	-45	-45	-45	-45	-45	-43	-45
-45	-45	-44	-45	-44	-44	-44	-45	-43
-45	-44	-45	-45	-45	-46	-45	-45	-45
-43	-44	-44	-45	-45	-46	-46	-45	-45
-44	-45	-45	-45	-46	-46	-45	-45	-45
-44	-45	-44	-1	-46	-46	-45	-44	-43

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C
46	18	36	-44	-44	-45	-45	-45
47	18	56	-45	-44	-45	-44	-44
48	19	16	-44	-44	-45	-45	-45
50	19	39	-43	-44	-43	-44	-45
51	19	59	-43	-44	-44	-43	-44
52	20	19	-44	-43	-43	-43	-44
53	20	39	-43	-43	-44	-44	-44
54	20	59	-43	-43	-44	-44	-43
55	21	19	-44	-43	-44	-44	-44
56	21	39	-43	-44	-43	-43	-44
57	21	59	-44	-43	-43	-43	-44
58	22	19	-43	-43	-44	-43	-43
59	22	40	-43	-43	-44	-43	-44
60	23	0	-43	-43	-43	-44	-44
61	23	20	-44	-43	-44	-43	-44
62	23	40	-44	-44	-44	-44	-44
63	24	0	-43	-43	-43	-43	-45
64	24	20	-43	-43	-44	-44	-43
65	24	27	-43	-42	-43	-43	-43
66	24	45	-43	-44	-44	-44	-45
67	25	5	-44	-43	-43	-44	-44
68	25	25	-44	-44	-43	-44	-45
69	25	45	-43	-43	-43	-44	-43
70	26	5	-44	-44	-43	-44	-45
71	26	25	-44	-43	-44	-43	-44
72	26	45	-44	-43	-43	-43	-44
73	27	5	-44	-44	-44	-44	-44
74	27	25	-43	-44	-43	-44	-44
75	27	45	-44	-44	-44	-43	-44
76	28	5	-43	-44	-44	-44	-44
77	28	25	-44	-43	-45	-45	-44
78	28	46	-43	-44	-44	-44	-45
79	29	6	-43	-43	-43	-43	-44
80	29	26	-43	-43	-44	-43	-44
81	29	46	-44	-44	-44	-43	-45
82	30	6	-43	-43	-44	-45	-44
83	30	26	-44	-43	-44	-44	-44
84	30	46	-44	-44	-44	-43	-44
85	31	6	-44	-43	-45	-43	-45
86	31	26	-44	-43	-43	-43	-43
87	31	46	-44	-43	-43	-44	-43
88	32	3	-44	-43	-43	-43	-44
89	32	26	-44	-44	-43	-44	-44
90	32	46	-44	-44	-45	-43	-44
91	33	6	-43	-44	-43	-44	-45
92	33	26	-43	-43	-43	-43	-44
93	33	46	-44	-44	-44	-44	-44
94	34	6	-43	-43	-43	-43	-44
95	34	26	-44	-44	-43	-44	-44
96	34	46	-43	-43	-43	-44	-44

-06	7-07	7-08	7-09	7-10	7-11	7-13	7-15	7-16
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
KIN	SKIN	CASE	CASE	CASE	STG.2	STG.3	STG.4	STG.4
BD	OUTBD	TEMP	TEMP	TEMP	4.30	4.30	3.00	4.30
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
44	-45	-45	-45	-45	-45	-44	-44	-44
44	-45	-44	-44	-45	-44	-44	-45	-44
44	-45	-45	-45	-46	-45	-45	-44	-45
44	-43	-44	-45	-45	-45	-44	-43	-44
44	-44	-43	-44	-44	-44	-44	-44	-43
43	-43	-43	-44	-44	-44	-44	-44	-43
43	-44	-44	-44	-44	-44	-43	-44	-43
43	-44	-44	-43	-45	-45	-44	-43	-43
43	-44	-44	-44	-45	-44	-44	-44	-43
44	-43	-43	-44	-45	-45	-44	-43	-44
43	-43	-43	-44	-44	-44	-44	-43	-43
43	-44	-43	-43	-44	-44	-43	-43	-43
43	-44	-43	-44	-44	-44	-43	-43	-43
43	-43	-44	-44	-44	-44	-44	-44	-43
43	-44	-43	-44	-45	-44	-44	-44	-43
44	-44	-44	-44	-45	-45	-44	-43	-43
43	-43	-43	-45	-44	-45	-44	-43	-43
43	-44	-44	-43	-44	-44	-43	-43	-43
42	-43	-43	-43	-43	-43	-43	-43	-43
44	-44	-44	-45	-45	-45	-44	-44	-43
43	-43	-44	-44	-44	-44	-44	-43	-43
44	-43	-44	-45	-44	-45	-45	-43	-45
43	-43	-44	-43	-45	-44	-44	-44	-43
44	-43	-44	-45	-45	-45	-44	-44	-44
43	-44	-43	-44	-45	-44	-44	-44	-43
43	-43	-43	-44	-45	-45	-44	-43	-44
44	-44	-44	-44	-45	-44	-43	-43	-44
44	-43	-44	-44	-45	-44	-44	-43	-44
44	-44	-43	-44	-45	-45	-44	-43	-44
44	-44	-44	-44	-45	-45	-43	-44	-44
43	-45	-45	-44	-45	-45	-44	-44	-44
44	-44	-44	-45	-45	-45	-44	-43	-44
43	-43	-43	-44	-45	-45	-44	-43	-43
43	-44	-43	-44	-44	-45	-45	-43	-44
44	-44	-43	-45	-45	-44	-44	-44	-43
43	-43	-43	-43	-44	-45	-45	-43	-44
43	-42	-44	-43	-46	-45	-45	-44	-44
43	-43	-43	-44	-45	-43	-43	-44	-43
44	-43	-44	-44	-46	-45	-44	-43	-44
44	-45	-43	-44	-45	-44	-43	-44	-44
44	-43	-44	-45	-44	-45	-44	-43	-44
43	-43	-43	-44	-44	-44	-45	-44	-43
44	-44	-44	-44	-45	-44	-44	-44	-43
43	-43	-43	-44	-44	-45	-43	-43	-44
43	-43	-44	-44	-45	-45	-44	-44	-44
43	-43	-44	-44	-44	-44	-44	-43	-43

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C
97	35	6	-43	-43	-44	-44	-44
98	35	26	-43	-43	-43	-43	-45
99	35	46	-43	-43	-44	-44	-45
100	36	6	-44	-44	-44	-43	-44
101	36	26	-43	-44	-43	-44	-44
102	36	46	-43	-43	-43	-43	-44
103	37	6	-43	-44	-44	-44	-44
104	37	26	-43	-44	-45	-43	-45
105	37	46	-43	-44	-43	-44	-44
106	38	6	-43	-43	-43	-43	-44
107	38	26	-43	-43	-44	-44	-44
108	38	46	-44	-43	-44	-43	-44
109	39	6	-43	-43	-44	-43	-45
110	39	26	-44	-44	-43	-43	-45
111	39	46	-44	-43	-43	-44	-43
112	40	6	-43	-43	-43	-44	-44
113	40	26	-44	-44	-43	-43	-44
114	40	46	-43	-43	-44	-43	-44
115	41	6	-44	-43	-43	-43	-44
116	41	26	-43	-43	-44	-44	-44
117	41	46	-43	-43	-44	-44	-44
118	42	6	-44	-43	-43	-44	-44
119	42	26	-44	-44	-44	-43	-44
120	42	46	-43	-43	-44	-43	-44
121	43	6	-43	-43	-43	-43	-44
122	43	26	-43	-43	-43	-43	-45
123	43	46	-43	-43	-44	-43	-44
124	44	6	-44	-43	-44	-43	-44
125	44	26	-43	-44	-44	-44	-45
126	44	46	-44	-44	-44	-43	-44
127	45	6	-44	-43	-44	-43	-43
128	45	26	-43	-43	-43	-43	-44
129	*	44	-43	-43	-44	-43	-45
130	46	6	-43	-43	-44	-42	-44
131	46	26	-43	-43	-43	-43	-44
132	46	46	-42	-43	-43	-43	-45
133	47	6	-43	-43	-43	-43	-44
134	47	26	-43	-43	-44	-43	-44
135	47	46	-43	-43	-43	-42	-44
136	48	6	-43	-44	-42	-43	-45
137	48	26	-43	-43	-44	-43	-43
138	48	45	-43	-44	-43	-43	-45
139	49	5	-43	-44	-43	-43	-44
140	49	25	-43	-43	-43	-43	-45
141	49	45	-43	-43	-43	-43	-44
142	50	5	-44	-43	-43	-43	-44
143	50	25	-43	-43	-44	-43	-45
144	50	45	-43	-44	-44	-43	-43
145	51	5	-43	-43	-43	-43	-45
146	51	25	-44	-43	-43	-43	-44

7-06 ENG.1 IGNIT XCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 COMPRS CSE STG.3 4.30 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
-43	-44	-44	-44	-45	-44	-45	-44	-43
-43	-43	-43	-45	-45	-44	-44	-43	-43
-43	-44	-44	-45	-45	-44	-43	-43	-43
-44	-44	-43	-44	-45	-44	-43	-44	-43
-44	-43	-44	-44	-45	-45	-43	-44	-43
-43	-43	-43	-44	-44	-45	-45	-43	-43
-44	-44	-44	-44	-45	-45	-45	-44	-44
-44	-45	-43	-45	-44	-44	-44	-43	-44
-44	-43	-44	-44	-44	-44	-43	-45	-43
-43	-43	-43	-44	-44	-44	-43	-44	-43
-43	-44	-44	-44	-45	-44	-44	-43	-43
-43	-44	-43	-44	-45	-45	-44	-44	-43
-43	-44	-43	-45	-45	-44	-44	-44	-43
-44	-43	-43	-45	-45	-45	-44	-44	-44
-43	-43	-44	-43	-45	-45	-44	-44	-44
-43	-43	-44	-44	-44	-44	-44	-43	-43
-44	-43	-43	-44	-44	-44	-45	-44	-44
-43	-44	-43	-44	-45	-44	-44	-43	-43
-43	-43	-43	-44	-45	-45	-44	-43	-43
-43	-44	-44	-44	-45	-44	-44	-44	-44
-43	-44	-44	-44	-44	-45	-45	-44	-44
-43	-43	-44	-44	-44	-44	-44	-43	-43
-44	-44	-43	-44	-45	-44	-44	-44	-43
-43	-44	-43	-44	-45	-44	-44	-43	-43
-43	-43	-43	-44	-45	-44	-43	-44	-43
-43	-43	-43	-45	-45	-45	-44	-43	-44
-43	-44	-43	-44	-45	-44	-44	-43	-43
-43	-44	-43	-44	-45	-44	-44	-44	-44
-44	-44	-44	-45	-45	-44	-44	-44	-44
-44	-44	-43	-44	-45	-44	-44	-44	-43
-43	-44	-43	-43	-45	-43	-44	-44	-43
-43	-43	-43	-44	-45	-45	-44	-44	-43
-43	-44	-43	-45	-45	-45	-43	-43	-43
-43	-44	-42	-44	-44	-44	-45	-43	-43
-43	-43	-43	-44	-44	-45	-43	-43	-43
-43	-43	-43	-45	-44	-45	-44	-43	-44
-43	-43	-43	-44	-44	-45	-44	-44	-43
-43	-44	-43	-44	-45	-44	-44	-45	-43
-43	-43	-42	-44	-45	-44	-44	-43	-43
-44	-42	-43	-45	-44	-44	-44	-43	-43
-43	-44	-43	-43	-45	-45	-43	-43	-44
-44	-43	-43	-45	-44	-44	-43	-43	-44
-44	-43	-43	-44	-44	-45	-44	-43	-44
-43	-43	-43	-45	-45	-45	-44	-44	-44
-43	-43	-43	-44	-44	-44	-44	-44	-43
-43	-43	-43	-44	-45	-43	-44	-43	-43
-43	-44	-43	-45	-45	-44	-43	-43	-43
-44	-44	-43	-43	-44	-43	-43	-43	-44
-43	-43	-43	-45	-45	-44	-43	-43	-43
-43	-43	-43	-44	-44	-43	-43	-44	-44

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C
147	51	45	-43	-43	-43	-44	-43
148	52	5	-44	-43	-43	-43	-44
149	52	25	-43	-43	-44	-43	-43
150	52	45	-43	-43	-43	-43	-43
151	53	5	-43	-44	-43	-43	-44
152	53	25	-44	-43	-43	-43	-43
153	53	45	-43	-43	-44	-43	-43
154	54	5	-43	-43	-44	-43	-44
155	54	25	-43	-43	-43	-43	-44
156	54	45	-43	-43	-43	-43	-44
157	55	5	-43	-43	-43	-42	-44
158	55	25	-43	-43	-43	-43	-44
159	55	45	-43	-43	-43	-43	-44
160	56	5	-44	-43	-43	-42	-44
161	56	25	-43	-43	-43	-43	-44
162	56	45	-43	-43	-43	-43	-44
163	57	5	-43	-43	-43	-43	-43
164	57	25	-43	-43	-42	-43	-43
165	57	45	-43	-43	-43	-43	-44
166	58	5	-43	-43	-43	-42	-44
167	58	25	-43	-43	-44	-42	-44
168	58	45	-44	-43	-43	-42	-44
169	59	4	-43	-43	-43	-43	-44
170	59	24	-43	-43	-43	-43	-44
171	59	44	-43	-43	-43	-43	-44
172	60	4	-43	-43	-43	-43	-44
173	60	24	-43	-43	-43	-42	-43
174	60	44	-43	-43	-43	-43	-44
175	61	4	-42	-43	-42	-43	-44
176	61	24	-43	-43	-43	-43	-44
177	61	44	-43	-43	-43	-42	-43
178	62	4	-43	-43	-43	-42	-44
179	62	24	-43	-43	-43	-43	-44
180	62	44	-42	-43	-43	-43	-43
181	63	4	-43	-43	-43	-43	-44
182	63	24	-41	-43	-42	-42	-44
183	63	44	-43	-43	-43	-42	-43
184	64	4	-43	-42	-43	-43	-43
185	64	24	-43	-43	-43	-42	-43
186	64	44	-45	-43	-43	-38	-46
187	65	4	-43	-42	-43	-41	-43
188	65	24	-45	-43	-40	-45	-38
189	65	44	-43	-43	-42	-42	-44
190	66	4	-43	-43	-43	-42	-43
191	66	24	-43	-43	-42	-42	-43
192	66	43	-43	-43	-42	-42	-43
193	67	3	-42	-42	-43	-42	-43
194	67	23	-43	-42	-43	-39	-35
195	67	43	-42	-42	-43	-38	-26
196	68	3	-42	-42	-42	-39	-19

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 COMPRS CSE STG.3 4.30 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
-43	-43	-44	-43	-45	-44	-44	-43	-44
-43	-43	-43	-44	-45	-44	-44	-44	-43
-43	-44	-43	-43	-45	-44	-43	-43	-44
-43	-43	-43	-43	-45	-44	-44	-43	-43
-44	-43	-43	-44	-45	-44	-43	-43	-44
-43	-43	-43	-43	-44	-44	-44	-44	-44
-43	-44	-43	-43	-45	-44	-43	-43	-44
-43	-44	-43	-44	-45	-44	-43	-43	-43
-43	-43	-43	-44	-45	-44	-44	-43	-43
-43	-43	-43	-44	-45	-44	-43	-43	-43
-43	-43	-42	-44	-45	-44	-44	-43	-44
-43	-43	-43	-44	-45	-44	-44	-43	-43
-43	-43	-43	-44	-45	-43	-43	-43	-43
-43	-43	-42	-44	-44	-44	-44	-43	-44
-43	-43	-43	-44	-45	-44	-44	-43	-43
-43	-43	-43	-44	-43	-43	-44	-43	-43
-43	-43	-43	-43	-45	-44	-43	-43	-43
-43	-42	-43	-43	-44	-44	-43	-43	-43
-43	-43	-43	-44	-44	-44	-43	-44	-43
-43	-43	-42	-44	-44	-43	-42	-43	-43
-43	-44	-42	-44	-45	-43	-43	-43	-43
-43	-43	-42	-44	-44	-42	-43	-44	-43
-43	-43	-43	-44	-45	-43	-43	-43	-43
-43	-43	-43	-44	-44	-44	-44	-43	-43
-43	-43	-43	-44	-45	-45	-43	-44	-43
-43	-43	-43	-44	-44	-44	-43	-43	-43
-43	-43	-42	-43	-45	-43	-44	-43	-43
-43	-43	-43	-44	-44	-44	-43	-43	-43
-43	-42	-43	-44	-44	-44	-44	-43	-43
-43	-43	-43	-44	-44	-44	-43	-43	-43
-43	-43	-42	-43	-44	-43	-43	-43	-43
-43	-43	-42	-44	-45	-43	-43	-43	-43
-43	-43	-43	-44	-45	-43	-43	-43	-43
-43	-43	-43	-43	-45	-44	-43	-43	-43
-43	-43	-43	-44	-44	-44	-43	-43	-43
-43	-42	-42	-44	-44	-44	-43	-43	-43
-43	-43	-42	-43	-43	-44	-43	-43	-44
-42	-43	-43	-43	-43	-43	-43	-44	-42
-43	-43	-42	-43	-43	-46	-43	-45	-42
-43	-43	-38	-46	-43	-41	-36	-36	-48
-42	-43	-41	-43	-45	-42	-43	-44	-42
-43	-40	-45	-38	-36	-47	-36	-38	-38
-43	-42	-42	-44	-45	-43	-43	-43	-43
-43	-43	-42	-43	-44	-43	-43	-43	-43
-43	-42	-42	-43	-43	-44	-43	-42	-43
-43	-42	-42	-43	-44	-44	-43	-43	-43
-42	-43	-42	-43	-44	-42	-42	-43	-41
-42	-43	-39	-35	-44	-42	-42	-43	-42
-42	-43	-38	-26	-43	-42	-43	-41	-41
-42	-42	-39	-19	-43	-40	-42	-41	-40

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C
197	68	23	-43	-43	-43	-40	-19
198	68	43	-43	-43	-43	-41	-22
199	69	3	-43	-42	-43	-40	-24
200	69	23	-43	-43	-43	-40	-26
201	69	43	-42	-43	-42	-41	-27
202	70	3	-43	-42	-43	-40	-28
203	70	23	-43	-43	-43	-40	-29
204	70	43	-42	-42	-42	-40	-29
205	71	3	-42	-43	-43	-40	-30
206	71	23	-41	-43	-41	-39	-30
207	71	43	-42	-43	-42	-39	-30
208	72	3	-41	-43	-42	-40	-31
209	72	23	-42	-43	-42	-40	-31
210	72	43	-42	-43	-43	-40	-31
211	73	3	-42	-43	-42	-40	-31
212	73	23	-42	-42	-41	-40	-30
213	73	43	-42	-43	-43	-39	-32
214	74	3	-41	-42	-42	-39	-32
215	74	23	-42	-43	-42	-40	-31
216	74	42	-42	-43	-42	-39	-32
217	75	2	-42	-42	-42	-39	-32
218	75	22	-41	-42	-42	-38	-32
219	75	42	-42	-41	-42	-39	-32
220	76	2	-42	-42	-42	-39	-32
221	76	22	-41	-41	-42	-38	-32
222	76	42	-42	-42	-42	-41	-27
223	77	2	-41	-41	-41	-42	-15
224	77	22	-41	-40	-41	-41	-4
225	77	42	-41	-41	-41	-41	0
226	78	2	-40	-41	-41	-39	2
227	78	22	-41	-41	-40	-41	5
228	78	42	-39	-41	-41	-39	7
229	79	2	-38	-41	-40	-40	9
230	79	22	-39	-40	-40	-40	10
231	79	42	-40	-41	-40	-40	12
232	80	2	-39	-40	-40	-40	13
233	80	22	-38	-40	-40	-39	15
234	80	42	-40	-40	-40	-37	15
235	81	2	-39	-40	-40	-37	16
236	81	21	-38	-39	-39	-37	17
237	81	41	-38	-39	-38	-35	18
238	82	1	-38	-38	-39	-35	20
239	82	21	-38	-38	-38	-35	20
240	82	41	-38	-39	-39	-37	21
241	83	1	-38	-39	-38	-38	21
242	83	21	-37	-38	-38	-36	23
243	83	41	-36	-37	-36	-36	24
244	84	1	-35	-36	-36	-36	29
245	84	21	-35	-36	-35	-35	32
246	84	41	-35	-36	-35	-34	31

7-06 G.1 NIT ITR KIN NBD G.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 COMPRS CSE STG.3 4.30 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
43	-43	-40	-19	-43	-40	-42	-41	-40
43	-43	-41	-22	-43	-42	-41	-39	-40
42	-43	-40	-24	-43	-40	-40	-41	-40
43	-43	-40	-26	-43	-40	-39	-40	-40
43	-42	-41	-27	-43	-40	-40	-40	-40
42	-43	-40	-28	-42	-39	-39	-41	-40
43	-43	-40	-29	-43	-40	-39	-41	-39
42	-42	-40	-29	-43	-40	-38	-40	-40
43	-43	-40	-30	-42	-38	-38	-41	-40
43	-41	-39	-30	-42	-38	-38	-40	-39
43	-42	-39	-30	-43	-39	-38	-40	-40
43	-42	-40	-31	-43	-39	-38	-40	-39
43	-42	-40	-31	-43	-39	-37	-40	-40
43	-43	-40	-31	-43	-38	-37	-40	-39
43	-42	-40	-31	-43	-39	-37	-40	-39
42	-41	-40	-30	-43	-39	-37	-40	-39
43	-43	-39	-32	-42	-38	-36	-39	-39
42	-42	-39	-32	-43	-39	-37	-40	-39
43	-42	-40	-31	-42	-38	-37	-39	-39
43	-42	-39	-32	-41	-38	-36	-40	-38
42	-42	-39	-32	-43	-38	-37	-40	-38
42	-42	-38	-32	-42	-38	-36	-39	-38
41	-42	-39	-32	-43	-38	-36	-40	-38
42	-42	-39	-32	-43	-37	-36	-40	-38
41	-42	-38	-32	-43	-38	-36	-40	-38
42	-42	-41	-27	-42	-38	-36	-40	-38
41	-41	-42	-15	-41	-35	-37	-37	-37
40	-41	-41	-4	-38	-31	-35	-30	-29
41	-41	-41	0	-37	-30	-34	-27	-26
41	-41	-39	2	-35	-29	-33	-25	-24
41	-40	-41	5	-34	-29	-33	-23	-22
41	-41	-39	7	-33	-29	-32	-22	-23
41	-40	-40	9	-33	-28	-32	-22	-24
40	-40	-40	10	-32	-28	-32	-22	-24
41	-40	-40	12	-32	-29	-31	-22	-22
40	-40	-40	13	-32	-27	-31	-21	-21
40	-40	-39	15	-31	-27	-29	-22	-20
40	-40	-37	15	-30	-27	-29	-20	-19
40	-40	-37	16	-30	-25	-27	-19	-18
39	-39	-37	17	-30	-25	-27	-18	-17
39	-38	-35	18	-29	-23	-26	-17	-17
38	-39	-35	20	-28	-23	-25	-15	-16
38	-38	-35	20	-27	-24	-24	-17	-17
39	-39	-37	21	-28	-23	-25	-17	-17
38	-36	-38	21	-27	-25	-25	-18	-17
38	-38	-36	23	-28	-18	-23	-9	-9
37	-36	-36	24	-28	-14	-23	-2	-2
36	-36	-36	29	-30	-12	-21	0	0
36	-35	-35	32	-30	-10	-20	2	2
36	-35	-34	31	-31	-9	-19	3	4

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C
247	85	1	-34	-36	-35	-35	32
248	85	21	-33	-36	-35	-34	35
249	85	41	-33	-34	-34	-35	38
250	86	1	-32	-35	-33	-33	43
251	86	21	-32	-33	-33	-33	46
252	86	41	-31	-33	-32	-33	48
253	87	1	-29	-33	-32	-32	50
254	87	21	-29	-32	-32	-32	54
255	87	41	-29	-32	-31	-32	55
256	88	1	-28	-31	-31	-33	57
257	88	21	-27	-31	-30	-33	57
258	88	42	-27	-30	-30	-32	58
259	89	2	-27	-30	-30	-33	58
260	89	22	-26	-30	-29	-32	59
261	89	42	-25	-28	-28	-32	59
262	90	2	-25	-28	-28	-32	60
263	90	22	-24	-27	-27	-31	60
264	90	42	-24	-26	-27	-31	60
265	91	2	-24	-27	-26	-31	60
266	91	22	-23	-27	-27	-31	61
267	91	42	-22	-27	-26	-32	61
268	92	3	-21	-26	-26	-30	60
269	92	23	-21	-26	-25	-31	61
270	92	43	-22	-25	-25	-30	62
271	93	3	-20	-25	-24	-30	62
272	93	23	-20	-24	-25	-30	61
273	93	44	-18	-24	-23	-30	62
274	94	4	-19	-23	-23	-30	62
275	94	24	-19	-22	-23	-30	62
276	94	45	-19	-23	-23	-29	62
277	95	5	-18	-22	-23	-29	63
278	95	25	-18	-22	-23	-29	63
279	95	46	-17	-22	-21	-29	63
280	96	6	-17	-21	-22	-29	63
281	96	27	-17	-20	-21	-28	63
282	96	47	-16	-21	-22	-29	63
283	97	7	-16	-20	-21	-28	63
284	97	28	-16	-20	-21	-24	64
285	97	48	-16	-20	-20	-23	64
286	98	9	-15	-19	-19	-21	64
287	98	29	-15	-19	-20	-21	66
288	98	50	-13	-19	-19	-19	67
289	99	11	-14	-19	-19	-19	69
290	99	31	-13	-18	-18	-20	70
291	99	52	-13	-18	-18	-19	70
292	100	13	-11	-18	-18	-19	70
293	100	33	-12	-16	-17	-18	71
294	100	54	-11	-16	-17	-19	71
295	101	15	-10	-16	-17	-19	71
296	101	36	-10	-16	-17	-16	72

06	7-07	7-08	7-09	7-10	7-11	7-13	7-15	7-16
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
IT	IGNIT	FUEL	LUBE	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
TR	EXCITR	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
IN	SKIN	CASE	CASE	CASE	STG.2	STG.3	STG.4	STG.4
BD	OUTBD	TEMP	TEMP	TEMP	4.30	4.30	3.00	4.30
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
6	-35	-35	32	-31	-10	-17	4	5
6	-35	-34	35	-31	-9	-18	5	7
	-34	-35	38	-30	-8	-17	8	8
	-33	-33	43	-31	-8	-16	8	7
3	-33	-33	46	-31	-7	-15	7	9
3	-32	-33	48	-30	-7	-14	9	10
3	-32	-32	50	-30	-6	-14	10	9
2	-32	-32	54	-30	-6	-13	10	10
2	-31	-32	55	-30	-6	-13	11	11
1	-31	-33	57	-30	-5	-13	12	11
1	-30	-33	57	-29	-6	-13	12	12
0	-30	-32	58	-30	-5	-13	12	12
0	-30	-33	58	-28	-7	-12	9	10
0	-29	-32	59	-29	-6	-13	10	9
8	-28	-32	59	-29	-5	-12	12	12
8	-28	-32	60	-29	-4	-11	12	12
7	-27	-31	60	-29	-4	-10	13	14
6	-27	-31	60	-29	-3	-10	14	14
7	-26	-31	60	-29	-3	-8	14	15
7	-27	-31	61	-29	-2	-8	15	16
7	-26	-32	61	-28	-3	-9	13	16
	-26	-30	60	-29	-3	-8	14	16
	-25	-31	61	-28	-3	-7	15	16
5	-25	-30	62	-28	-2	-7	15	17
5	-24	-30	62	-28	-1	-6	16	17
4	-25	-30	61	-29	-0	-6	16	19
	-23	-30	62	-30	-1	-5	15	15
2	-23	-30	62	-29	0	-5	14	13
2	-23	-30	62	-30	0	-5	14	15
3	-23	-29	62	-30	1	-5	16	14
2	-23	-29	63	-30	1	-4	16	16
2	-23	-29	63	-30	0	-4	16	15
	-21	-29	63	-30	1	-4	16	15
	-22	-29	63	-30	1	-4	19	17
	-21	-28	63	-29	2	-3	19	18
1	-22	-29	63	-30	1	-2	17	17
	-21	-28	63	-29	1	-2	19	19
	-21	-24	64	-30	3	-2	21	21
	-20	-23	64	-30	4	-0	24	25
	-19	-21	64	-29	6	0	26	26
	-20	-21	66	-29	6	0	27	26
	-19	-19	67	-29	7	0	29	27
	-19	-19	69	-29	6	0	28	27
	-18	-20	70	-29	5	0	21	24
	-18	-19	78	-29	4	0	22	20
	-18	-19	78	-28	8	0	30	29
	-17	-18	71	-29	5	0	23	24
	-17	-19	71	-30	7	0	28	27
	-17	-19	71	-30	7	0	24	25
	-17	-16	72	-31	7	0	24	24

2

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C
297	101	56	-9	-16	-16	-18	74
298	102	17	-8	-16	-16	-18	73
299	102	38	-9	-14	-16	-17	73
300	102	59	-9	-14	-16	-17	75
301	103	20	-8	-13	-15	-16	74
302	103	40	-9	-13	-16	-19	75
303	104	1	-8	-14	-15	-17	74
304	104	22	-8	-14	-14	-18	74
305	104	43	-6	-14	-16	-18	74
306	105	4	-7	-14	-14	-16	74
307	105	25	-7	-13	-13	-18	74
308	105	46	-6	-13	-14	-17	73
309	106	7	-6	-12	-14	-17	74
310	106	28	-6	-11	-14	-16	74
311	106	49	-6	-12	-14	-16	74
312	107	10	-5	-12	-14	-15	74
313	107	31	-5	-12	-13	-16	76
314	107	52	-5	-11	-13	-16	75
315	108	13	-4	-12	-14	-16	77
316	108	34	-4	-11	-14	-18	77
317	108	55	-3	-10	-13	-16	77
318	109	16	-3	-11	-12	-16	77
319	109	37	-4	-10	-12	-17	77
320	109	57	-3	-9	-12	-16	77
321	110	18	-2	-10	-13	-15	77
322	110	39	-3	-9	-12	-16	77
323	111	0	-2	-10	-12	-15	78
324	111	21	-2	-9	-11	-15	78
325	111	42	-1	-9	-12	-16	77
326	112	3	-1	-9	-11	-16	77
327	112	24	-3	-9	-11	-15	78
328	112	45	-1	-9	-11	-16	78
329	113	5	-2	-8	-11	-15	77
330	113	26	-1	-8	-10	-16	77
331	113	47	-0	-8	-11	-16	77
332	114	8	-1	-7	-10	-16	75
333	114	29	0	-8	-9	-15	75
334	114	49	0	-8	-9	-16	73
335	115	10	0	-7	-9	-16	73
336	115	31	0	-8	-9	-17	72
337	115	52	0	-7	-10	-16	70
338	116	13	-1	-7	-9	-17	71
339	116	33	-0	-8	-9	-17	70
340	116	54	-1	-6	-10	-16	69
341	117	15	0	-7	-9	-17	70
342	117	36	-0	-7	-9	-17	70
343	117	56	-1	-7	-10	-16	69
344	118	17	-1	-6	-9	-17	70
345	118	38	-0	-8	-9	-17	69
346	118	58	-0	-7	-9	-17	69

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 COMPRS CSE STG.3 4.30 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
-16	-16	-18	74	-30	6	0	20	23
-16	-16	-18	73	-32	6	0	20	22
-14	-16	-17	73	-31	7	0	21	23
-14	-16	-17	75	-31	9	0	24	26
-13	-15	-16	74	-31	9	0	22	26
-13	-16	-19	75	-32	10	0	24	24
-14	-15	-17	74	-30	8	0	22	24
-14	-14	-18	74	-32	9	0	25	24
-14	-16	-18	74	-31	11	0	29	29
-14	-14	-16	74	-31	10	1	25	24
-13	-13	-18	74	-30	10	0	24	23
-13	-14	-17	73	-30	8	0	25	24
-12	-14	-17	74	-30	8	0	28	24
-11	-14	-16	74	-32	9	1	29	26
-12	-14	-16	74	-32	13	0	32	32
-12	-14	-15	74	-32	15	0	33	36
-12	-13	-16	76	-32	14	2	34	35
-11	-13	-16	75	-32	13	0	30	33
-12	-14	-16	77	-32	13	1	29	30
-11	-14	-18	77	-32	14	0	28	29
-10	-13	-16	77	-32	13	0	27	29
-11	-12	-16	77	-32	13	0	27	26
-10	-12	-17	77	-32	11	0	24	24
-9	-12	-16	77	-31	12	0	23	25
-10	-13	-15	77	-33	11	1	22	24
-9	-12	-16	77	-32	13	0	24	26
-10	-12	-15	78	-32	13	0	24	24
-9	-11	-15	78	-32	14	0	24	26
-9	-12	-16	77	-31	14	2	25	26
-9	-11	-16	77	-32	13	1	24	28
-9	-11	-15	78	-32	15	0	25	28
-9	-11	-16	78	-32	13	1	26	26
-8	-11	-15	77	-31	13	0	26	25
-8	-10	-16	77	-32	15	0	28	26
-8	-11	-16	77	-32	12	0	26	25
-7	-10	-16	75	-28	7	0	19	19
-8	-9	-15	75	-28	6	0	18	16
-8	-9	-16	73	-28	6	0	23	17
-7	-9	-16	73	-28	6	0	24	17
-8	-9	-17	72	-27	5	0	24	18
-7	-10	-16	70	-28	5	0	24	20
-7	-9	-17	71	-26	5	0	25	21
-8	-9	-17	70	-27	5	0	24	24
-6	-10	-16	69	-27	6	0	24	22
-7	-9	-17	70	-26	5	0	25	24
-7	-9	-17	70	-26	4	0	25	22
-7	-10	-16	69	-26	4	-2	24	24
-6	-9	-17	70	-27	6	-0	25	25
-8	-9	-17	69	-27	6	0	27	24
-7	-9	-17	69	-27	5	0	25	25

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C
347	119	19	-0	-6	-9	-20	69
348	119	40	-1	-6	-9	-22	68
349	120	0	-1	-6	-10	-23	66
350	120	21	-1	-7	-10	-22	66
351	120	42	-1	-6	-10	-23	65
352	121	2	-1	-6	-10	-24	64
353	121	23	-1	-7	-9	-24	64
354	121	44	-2	-6	-9	-23	64
355	122	4	-2	-7	-10	-24	63
356	122	25	-1	-6	-10	-24	62
357	122	45	-1	-7	-10	-25	63
358	123	6	-2	-7	-10	-25	61
359	123	26	-2	-8	-9	-24	63
360	123	47	-2	-6	-10	-25	63
361	124	7	-3	-6	-9	-24	61
362	124	28	-2	-7	-9	-24	62
363	124	48	-2	-7	-9	-23	63
364	125	9	-2	-6	-9	-20	60
365	125	29	-2	-7	-9	-13	57
366	125	50	-3	-7	-9	-12	54
367	126	10	-3	-6	-9	-11	51
368	126	31	-3	-7	-9	-17	50
369	126	51	-4	-7	-10	-13	48
370	127	12	-4	-8	-9	-12	48
371	127	32	-4	-7	-9	-11	46
372	127	53	-4	-6	-9	-10	45
373	128	13	-3	-7	-8	-9	43
374	128	33	-4	-6	-8	-9	41
375	128	54	-4	-6	-8	-9	40
376	129	14	-3	-6	-7	-9	39
377	129	34	-3	-5	-6	-9	39
378	129	55	-2	-6	-6	-8	37
379	130	15	-3	-5	-7	-8	35
380	130	36	-4	-5	-8	-7	35
381	130	56	-3	-6	-7	-8	33
382	131	16	-3	-5	-8	-7	33
383	131	37	-3	-6	-7	-7	32
384	131	57	-3	-5	-8	-7	30
385	132	17	-2	-4	-7	-6	31
386	132	38	-3	-4	-7	-6	30
387	132	58	-3	-5	-7	-6	29
388	133	18	-3	-5	-8	-7	29
389	133	19	-4	-6	-8	-7	29
390	133	59	-3	-5	-8	-6	26
391	134	19	-3	-6	-7	-7	25
392	134	39	-4	-6	-8	-7	25
393	135	0	-3	-6	-8	-7	24
394	135	20	-4	-6	-8	-7	24
395	135	40	-4	-6	-8	-7	23
396	136	0	-4	-5	-8	-7	23

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 COMPRS CSE STG.3 4.30 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
-6	-9	-20	69	-27	4	0	25	25
-6	-9	-22	68	-27	4	-0	25	24
-6	-10	-23	66	-26	3	0	24	24
-7	-10	-22	66	-27	4	0	24	24
-6	-10	-23	65	-26	4	0	25	25
-6	-10	-24	64	-26	4	0	24	25
-7	-9	-24	64	-27	4	-1	24	25
-6	-9	-23	64	-27	4	-0	24	25
-7	-10	-24	63	-27	3	-2	24	24
-6	-10	-24	62	-26	3	-3	24	23
-7	-10	-25	63	-28	3	-2	24	24
-7	-10	-25	61	-26	3	-1	24	24
-8	-9	-24	63	-27	3	-2	22	24
-6	-10	-25	63	-26	4	-3	24	24
-6	-9	-24	61	-26	3	-3	25	24
-7	-9	-24	62	-25	0	-2	21	23
-7	-9	-23	63	-22	-12	-3	6	9
-6	-9	-20	60	-22	-16	-4	1	0
-7	-9	-13	57	-22	-16	-6	-0	-4
-7	-9	-12	54	-22	-17	-7	-3	-4
-6	-9	-11	51	-22	-16	-7	-4	-6
-7	-9	-17	50	-21	-18	-9	-7	-9
-7	-10	-13	48	-21	-19	-10	-8	-11
-8	-9	-12	48	-21	-19	-10	-10	-11
-7	-9	-11	46	-21	-18	-12	-10	-12
-6	-9	-10	45	-21	-18	-12	-10	-12
-7	-8	-9	43	-20	-17	-12	-10	-11
-6	-8	-9	41	-20	-18	-13	-10	-11
-6	-8	-9	40	-21	-17	-13	-9	-11
-6	-7	-9	39	-21	-17	-12	-8	-10
-5	-6	-9	39	-21	-16	-10	-8	-10
-6	-6	-8	37	-21	-16	-11	-7	-9
-5	-7	-8	35	-21	-16	-11	-7	-10
-5	-8	-7	35	-20	-16	-11	-6	-9
-6	-7	-8	33	-20	-16	-11	-6	-9
-5	-8	-7	33	-20	-16	-11	-6	-9
-6	-7	-7	32	-20	-15	-12	-6	-8
-6	-8	-7	30	-20	-15	-11	-6	-10
-4	-7	-6	31	-19	-15	-11	-5	-9
-4	-7	-6	30	-19	-14	-11	-6	-9
-5	-7	-6	29	-19	-14	-12	-5	-9
-5	-8	-7	29	-19	-14	-10	-5	-9
-6	-8	-7	29	-18	-14	-12	-6	-9
-5	-8	-6	26	-19	-15	-12	-6	-10
-6	-7	-7	25	-19	-14	-11	-6	-9
-6	-8	-7	25	-19	-14	-12	-6	-9
-6	-8	-7	24	-19	-14	-12	-6	-9
-6	-8	-7	24	-19	-14	-12	-6	-10
-6	-8	-7	23	-18	-14	-12	-6	-9
-5	-8	-7	23	-19	-14	-12	-5	-9

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C
397	136	21	-4	-6	-8	-8	22
398	136	41	-4	-6	-8	-7	21
399	137	1	-3	-7	-8	-8	21
400	137	21	-4	-7	-8	-7	19
401	137	42	-4	-6	-7	-7	19
402	138	2	-4	-7	-7	-8	19
403	138	22	-4	-6	-8	-8	19
404	138	42	-4	-6	-7	-8	18
405	139	3	-4	-6	-7	-8	17
406	139	23	-4	-6	-8	-8	16
407	139	43	-4	-7	-7	-8	16
408	140	3	-4	-6	-8	-8	16
409	140	23	-4	-6	-8	-7	16
410	140	44	-4	-7	-8	-8	15
411	141	4	-4	-5	-8	-7	15
412	141	24	-3	-6	-7	-8	15
413	141	44	-4	-6	-8	-8	14
414	142	4	-4	-7	-8	-8	14
415	142	25	-4	-7	-8	-8	13
416	142	45	-4	-6	-8	-8	12
417	143	5	-4	-6	-8	-8	12
418	143	25	-5	-7	-8	-8	11
419	143	45	-4	-6	-8	-7	11
420	144	5	-5	-7	-9	-7	11
421	144	25	-5	-7	-8	-8	10
422	144	46	-5	-7	-8	-8	11
423	145	6	-5	-8	-9	-8	9
424	145	26	-5	-7	-9	-8	9
425	145	46	-5	-7	-9	-8	9
426	146	6	-6	-7	-8	-9	9
427	146	26	-6	-8	-9	-8	8
428	146	46	-6	-8	-9	-8	8
429	147	6	-6	-7	-9	-9	8
430	147	26	-5	-8	-8	-9	7
431	147	47	-5	-8	-9	-9	7
432	148	7	-6	-8	-8	-9	7
433	148	27	-5	-7	-9	-9	6
434	148	47	-6	-7	-9	-9	6
435	149	7	-6	-8	-9	-9	6
436	149	27	-6	-8	-9	-9	5
437	149	47	-6	-8	-9	-9	5
438	150	7	-7	-8	-10	-9	4
439	150	27	-6	-8	-9	-9	4
440	150	48	-7	-8	-9	-9	4
441	151	8	-6	-8	-9	-9	4
442	151	28	-7	-9	-9	-9	4
443	151	48	-7	-8	-9	-10	4
444	152	8	-7	-9	-9	-9	3
445	*	*	*	*	*	*	*

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 COMPRS CSE STG.3 4.30 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
-6	-8	-8	22	-19	-14	-12	-5	-10
-6	-8	-7	21	-19	-14	-12	-6	-10
-7	-8	-8	21	-19	-14	-12	-5	-9
-7	-8	-7	19	-18	-14	-13	-5	-9
-6	-7	-7	19	-18	-14	-12	-5	-9
-7	-7	-8	19	-18	-13	-11	-5	-9
-6	-8	-8	19	-19	-13	-11	-6	-9
-6	-7	-8	18	-18	-14	-12	-5	-8
-6	-7	-8	17	-18	-14	-11	-6	-9
-6	-8	-8	16	-18	-14	-12	-5	-9
-7	-7	-8	16	-18	-14	-12	-5	-9
-6	-8	-8	16	-18	-14	-12	-6	-10
-6	-8	-7	16	-18	-13	-12	-5	-9
-7	-8	-8	15	-18	-14	-12	-5	-9
-5	-8	-7	15	-18	-13	-12	-4	-9
-6	-7	-8	15	-17	-13	-12	-4	-9
-6	-8	-8	14	-17	-13	-11	-5	-9
-7	-8	-8	14	-18	-14	-12	-6	-9
-7	-8	-8	13	-18	-13	-12	-5	-9
-6	-8	-8	12	-17	-14	-13	-5	-9
-6	-8	-8	12	-17	-13	-12	-4	-9
-7	-8	-8	11	-17	-14	-12	-5	-9
-6	-8	-7	11	-17	-13	-12	-5	-9
-7	-9	-7	11	-17	-14	-12	-6	-9
-7	-8	-8	10	-17	-13	-13	-6	-10
-7	-8	-6	11	-17	-14	-12	-5	-10
-8	-9	-8	9	-17	-14	-13	-5	-10
-7	-9	-8	9	-17	-14	-13	-6	-11
-7	-9	-8	9	-17	-14	-12	-5	-9
-7	-8	-9	9	-17	-13	-13	-5	-10
-8	-9	-8	8	-17	-13	-13	-6	-10
-8	-9	-8	8	-17	-14	-13	-6	-10
-7	-9	-9	8	-17	-14	-13	-5	-11
-8	-8	-9	7	-17	-14	-12	-6	-10
-8	-9	-9	7	-17	-14	-12	-6	-9
-8	-8	-9	7	-17	-14	-14	-6	-10
-7	-9	-9	6	-16	-14	-13	-6	-11
-7	-9	-9	6	-16	-14	-14	-5	-11
-8	-9	-9	6	-16	-14	-14	-6	-10
-8	-9	-9	5	-16	-15	-14	-5	-10
-8	-9	-9	5	-17	-15	-13	-6	-11
-8	-10	-9	4	-16	-14	-13	-7	-11
-8	-9	-9	4	-16	-15	-14	-7	-11
-8	-9	-9	4	-16	-14	-14	-6	-10
-8	-9	-9	4	-16	-15	-14	-7	-11
-9	-9	-9	4	-16	-15	-14	-7	-11
-8	-9	-10	4	-16	-15	-14	-7	-11
-9	-9	-9	3	-16	-15	-14	-7	-11
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HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
1	0	16	-45	-44	-44	-44	-45
2	0	36	-45	-44	-44	-44	-44
3	0	56	-45	-45	-45	-45	-44
4	1	16	-44	-45	-44	-44	-43
5	1	36	-45	-44	-44	-45	-44
6	1	56	-45	-45	-44	-44	-44
7	2	17	-45	-45	-45	-45	-43
8	2	37	-45	-45	-44	-44	-43
9	2	57	-44	-45	-45	-44	-44
10	3	17	-45	-44	-45	-44	-44
11	3	37	-45	-45	-44	-44	-44
12	3	57	-45	-44	-44	-44	-44
13	4	13	-45	-45	-45	-44	-44
14	4	36	-45	-45	-45	-45	-44
15	4	56	-45	-44	-44	-45	-43
16	5	16	-45	-45	-45	-44	-44
17	5	36	-45	-45	-44	-44	-44
18	5	56	-44	-45	-44	-45	-43
19	6	16	-44	-45	-44	-44	-43
20	6	36	-45	-45	-45	-45	-44
21	6	56	-44	-45	-45	-45	-43
22	7	16	-46	-45	-44	-44	-44
23	7	36	-46	-45	-45	-44	-44
24	7	56	-45	-44	-45	-44	-44
25	8	16	-44	-45	-45	-45	-44
26	8	36	-45	-45	-44	-43	-44
27	8	56	-45	-45	-44	-45	-43
28	9	19	-45	-46	-45	-44	-44
29	9	39	-44	-45	-44	-45	-44
30	9	59	-45	-45	-44	-45	-45
31	10	19	-45	-45	-45	-45	-44
32	10	39	-46	-45	-45	-44	-44
33	10	59	-45	-45	-45	-45	-44
34	11	19	-45	-45	-44	-44	-44
35	11	39	-45	-45	-45	-44	-44
36	11	59	-43	-45	-45	-45	-44
37	15	36	-45	-45	-45	-45	-44
38	15	56	-44	-45	-45	-45	-44
39	16	16	-45	-45	-45	-45	-44
40	16	36	-45	-45	-44	-44	-45
41	16	56	-44	-46	-45	-45	-43
42	17	16	-45	-45	-45	-45	-44
43	17	36	-46	-45	-45	-45	-45
44	17	56	-45	-46	-45	-45	-43
45	18	16	-45	-45	-44	-45	-44

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-21	7-22	7-23	7-24	7-25	7-26	7-27	7-28
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
PRS	GAS GN	GAS	GAS	POWER	POWER	POWER	T5
CSE	TRB	GN TRB	GN TRB	TURB	TURB	TURB	HRNESS
G.5	CSE	CSE	CSE	CASE	CASE	CASE	TEMP
.00	4.00	8.00	12.00	4.00	8.00	12.00	
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
-44	-44	-44	-45	-44	-45	-44	-45
-44	-44	-44	-44	-44	-44	-43	-45
-45	-45	-45	-44	-44	-45	-43	-44
-45	-44	-44	-43	-45	-45	-44	-45
-44	-44	-45	-44	-45	-44	-45	-45
-45	-44	-44	-44	-44	-45	-43	-45
-45	-45	-45	-43	-45	-45	-44	-44
-45	-44	-44	-43	-45	-45	-44	-45
-45	-45	-44	-44	-45	-45	-44	-44
-44	-45	-44	-44	-44	-45	-43	-45
-45	-44	-44	-44	-44	-45	-44	-45
-44	-44	-44	-44	-45	-45	-44	-45
-45	-45	-44	-44	-44	-45	-44	-44
-45	-45	-45	-44	-45	-45	-43	-44
-44	-44	-45	-43	-44	-44	-44	-43
-45	-45	-44	-44	-45	-45	-44	-45
-45	-44	-44	-44	-45	-44	-44	-45
-45	-44	-45	-43	-45	-44	-43	-45
-45	-44	-44	-43	-45	-45	-43	-44
-45	-45	-45	-44	-44	-45	-43	-45
-45	-45	-45	-43	-44	-45	-44	-45
-44	-44	-44	-44	-45	-45	-44	-45
-45	-44	-44	-44	-45	-45	-43	-45
-44	-44	-44	-44	-45	-45	-44	-45
-45	-45	-45	-44	-44	-45	-44	-45
-44	-43	-44	-44	-44	-44	-43	-43
-44	-45	-43	-44	-44	-44	-44	-45
-45	-44	-44	-45	-45	-45	-44	-45
-44	-45	-44	-45	-45	-45	-44	-44
-44	-45	-45	-45	-44	-44	-43	-45
-45	-45	-44	-45	-44	-45	-45	-45
-45	-44	-44	-45	-45	-45	-43	-45
-45	-45	-44	-44	-45	-45	-44	-44
-44	-44	-44	-45	-44	-44	-44	-45
-45	-44	-44	-45	-45	-45	-44	-45
-45	-45	-44	-45	-45	-45	-44	-44
-45	-45	-44	-44	-44	-44	-44	-45
-45	-45	-44	-45	-44	-44	-44	-45
-45	-45	-44	-44	-45	-45	-44	-45
-44	-44	-45	-44	-45	-44	-44	-45
-45	-45	-43	-45	-45	-44	-44	-45
-45	-45	-44	-45	-45	-44	-44	-44
-45	-45	-45	-44	-45	-45	-45	-45
-45	-45	-43	-45	-44	-44	-44	-44
-44	-45	-44	-44	-45	-44	-44	-44

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
46	18	36	-45	-45	-45	-44	-44
47	18	56	-45	-44	-45	-44	-44
48	19	16	-45	-45	-44	-45	-43
50	19	39	-44	-44	-44	-44	-43
51	19	59	-45	-44	-44	-44	-43
52	20	19	-45	-44	-44	-43	-43
53	20	39	-45	-44	-44	-44	-43
54	20	59	-44	-44	-44	-43	-43
55	21	19	-44	-44	-44	-44	-43
56	21	39	-44	-45	-44	-43	-43
57	21	59	-44	-44	-44	-44	-43
58	22	19	-44	-44	-44	-43	-43
59	22	40	-44	-44	-43	-44	-43
60	23	0	-45	-44	-43	-43	-43
61	23	20	-44	-44	-43	-43	-43
62	23	40	-44	-44	-44	-44	-43
63	24	0	-44	-45	-44	-43	-43
64	24	20	-44	-44	-44	-43	-43
65	24	27	-43	-43	-43	-43	-43
66	24	45	-45	-44	-44	-44	-44
67	25	5	-44	-45	-44	-44	-43
68	25	25	-45	-45	-44	-44	-43
69	25	45	-44	-44	-44	-43	-43
70	26	5	-44	-45	-44	-44	-43
71	26	25	-45	-45	-44	-44	-43
72	26	45	-44	-45	-44	-44	-43
73	27	5	-44	-44	-44	-44	-44
74	27	25	-45	-46	-45	-44	-43
75	27	45	-44	-45	-43	-44	-43
76	28	5	-44	-45	-44	-44	-44
77	28	25	-45	-44	-44	-44	-43
78	28	46	-45	-45	-44	-43	-44
79	29	6	-44	-45	-44	-44	-43
80	29	26	-44	-45	-44	-45	-43
81	29	46	-44	-45	-44	-43	-43
82	30	6	-44	-44	-44	-45	-44
83	30	26	-44	-43	-45	-43	-43
84	30	46	-44	-45	-44	-45	-44
85	31	6	-45	-44	-43	-43	-43
86	31	26	-44	-45	-44	-45	-43
87	31	46	-43	-45	-44	-44	-43
88	32	6	-45	-45	-44	-44	-43
89	32	26	-43	-45	-44	-43	-43
90	32	46	-45	-44	-43	-44	-43
91	33	6	-44	-45	-44	-44	-43
92	33	26	-44	-44	-43	-44	-43
93	33	46	-44	-44	-44	-43	-43
94	34	6	-43	-44	-44	-44	-43
95	34	26	-44	-45	-44	-45	-44
96	34	46	-44	-44	-44	-43	-43

7-21 ENG.1 PRS CSE TG.5 .00 EG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 POWER TURB CASE 8.00 DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
-45	-45	-44	-44	-45	-45	-44	-45
-44	-45	-44	-44	-45	-44	-44	-45
-45	-44	-45	-43	-45	-45	-44	-45
-44	-44	-44	-43	-44	-43	-43	-44
-44	-44	-44	-43	-43	-44	-43	-44
-44	-44	-43	-43	-44	-44	-43	-44
-44	-44	-44	-43	-44	-44	-43	-44
-44	-44	-43	-43	-44	-43	-43	-43
-44	-44	-44	-43	-44	-44	-43	-44
-45	-44	-43	-43	-43	-44	-43	-44
-44	-44	-44	-43	-44	-44	-43	-43
-44	-44	-43	-43	-43	-44	-43	-44
-44	-43	-44	-43	-43	-43	-43	-43
-44	-43	-43	-43	-43	-44	-43	-44
-44	-43	-43	-43	-44	-44	-43	-44
-44	-44	-44	-43	-44	-44	-43	-43
-45	-44	-43	-43	-44	-44	-43	-44
-44	-44	-43	-43	-44	-44	-43	-43
-43	-43	-43	-43	-42	-43	-42	-43
-44	-44	-44	-44	-44	-44	-43	-44
-45	-44	-44	-43	-43	-43	-43	-43
-45	-44	-44	-43	-44	-44	-43	-44
-44	-44	-43	-43	-44	-43	-43	-43
-45	-44	-44	-43	-44	-44	-43	-43
-45	-44	-44	-43	-44	-44	-43	-44
-45	-44	-44	-43	-44	-44	-43	-44
-44	-44	-44	-44	-44	-44	-43	-44
-46	-45	-44	-43	-44	-44	-43	-43
-45	-43	-44	-43	-44	-44	-43	-43
-45	-44	-44	-44	-44	-45	-43	-44
-44	-44	-44	-43	-44	-45	-43	-44
-45	-44	-43	-44	-44	-44	-43	-44
-45	-44	-44	-43	-44	-43	-43	-44
-45	-44	-44	-43	-44	-44	-43	-44
-45	-44	-45	-43	-44	-44	-43	-44
-45	-44	-43	-43	-44	-43	-43	-44
-44	-44	-45	-44	-43	-44	-43	-45
-43	-45	-43	-43	-43	-44	-43	-44
-45	-44	-45	-44	-44	-44	-43	-44
-44	-43	-43	-43	-43	-44	-43	-44
-45	-44	-45	-43	-44	-44	-43	-43
-45	-44	-44	-43	-44	-43	-43	-44
-45	-44	-44	-43	-44	-44	-43	-44
-45	-44	-43	-43	-44	-44	-43	-44
-44	-43	-44	-43	-44	-43	-43	-44
-45	-44	-44	-43	-44	-44	-43	-43
-44	-43	-44	-43	-44	-43	-43	-44
-44	-44	-43	-43	-44	-44	-44	-43
-44	-44	-44	-43	-43	-44	-43	-43
-45	-44	-45	-44	-44	-43	-42	-43
-44	-44	-43	-43	-43	-44	-43	-43

2

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
97	35	6	-44	-44	-45	-44	-43
98	35	26	-45	-44	-44	-44	-43
99	35	46	-45	-44	-44	-43	-43
100	36	6	-44	-44	-43	-44	-44
101	36	26	-44	-44	-44	-43	-43
102	36	46	-44	-45	-44	-44	-43
103	37	6	-44	-44	-44	-45	-43
104	37	26	-45	-44	-44	-45	-43
105	37	46	-44	-43	-44	-43	-44
106	38	6	-45	-44	-44	-44	-43
107	38	26	-44	-44	-44	-45	-43
108	38	46	-44	-44	-44	-44	-43
109	39	6	-45	-44	-43	-44	-43
110	39	26	-43	-45	-44	-45	-43
111	39	46	-44	-43	-44	-44	-43
112	40	6	-44	-44	-43	-44	-43
113	40	26	-43	-44	-44	-43	-44
114	40	46	-44	-45	-44	-44	-44
115	41	6	-44	-43	-43	-44	-43
116	41	26	-44	-45	-43	-43	-43
117	41	46	-44	-44	-45	-44	-43
118	42	6	-43	-45	-44	-44	-43
119	42	26	-45	-44	-44	-43	-43
120	42	46	-43	-44	-43	-43	-44
121	43	6	-44	-44	-45	-43	-43
122	43	26	-44	-45	-44	-44	-43
123	43	46	-45	-43	-44	-44	-43
124	44	6	-45	-44	-43	-43	-43
125	44	26	-45	-44	-44	-43	-43
126	44	46	-45	-44	-44	-44	-43
127	45	6	-44	-44	-44	-43	-43
128	45	26	-44	-44	-44	-43	-43
129	*	44	-45	-44	-44	-43	-43
130	46	6	-44	-44	-44	-44	-43
131	46	26	-44	-45	-44	-43	-43
132	46	46	-44	-45	-44	-44	-43
133	47	6	-43	-45	-44	-43	-43
134	47	26	-44	-44	-45	-44	-43
135	47	46	-45	-44	-44	-43	-43
136	48	6	-45	-44	-45	-43	-43
137	48	26	-44	-44	-44	-44	-43
138	48	45	-44	-44	-44	-43	-43
139	49	5	-44	-45	-44	-44	-43
140	49	25	-44	-44	-44	-44	-43
141	49	45	-43	-43	-43	-44	-43
142	50	5	-44	-44	-44	-43	-43
143	50	25	-43	-44	-44	-43	-43
144	50	45	-44	-43	-45	-44	-43
145	51	5	-44	-44	-44	-43	-43
146	51	25	-43	-44	-44	-44	-43

845

-21	7-22	7-23	7-24	7-25	7-26	7-27	7-28
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
RS	GAS GN	GAS	GAS	POWER	POWER	POWER	T5
SE	TRB	GN TRB	GN TRB	TURB	TURB	TURB	HRNESS
6.5	CSE	CSE	CSE	CASE	CASE	CASE	TEMP
.00	4.00	8.00	12.00	4.00	8.00	12.00	
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
44	-45	-44	-43	-43	-43	-43	-43
44	-44	-44	-43	-44	-45	-42	-44
44	-44	-43	-43	-43	-44	-43	-44
44	-43	-44	-44	-43	-43	-43	-44
44	-44	-43	-43	-44	-44	-43	-44
45	-44	-44	-43	-44	-44	-43	-44
44	-44	-45	-43	-44	-44	-43	-44
44	-44	-45	-43	-44	-43	-43	-43
43	-44	-43	-44	-43	-43	-43	-44
44	-44	-44	-43	-44	-43	-42	-44
44	-44	-45	-43	-44	-44	-43	-43
44	-44	-44	-43	-44	-43	-43	-44
44	-43	-44	-43	-43	-44	-43	-44
45	-44	-45	-43	-44	-44	-43	-44
43	-44	-44	-43	-44	-44	-43	-44
44	-43	-44	-43	-44	-44	-43	-44
44	-44	-43	-44	-43	-44	-43	-44
45	-44	-44	-44	-43	-43	-43	-44
43	-43	-44	-43	-44	-43	-43	-43
45	-43	-43	-43	-44	-45	-43	-44
44	-45	-44	-43	-44	-43	-43	-43
45	-44	-44	-43	-44	-43	-43	-43
44	-44	-43	-43	-43	-43	-43	-43
44	-43	-43	-44	-43	-43	-43	-44
44	-45	-43	-43	-43	-43	-41	-43
45	-44	-44	-43	-44	-43	-43	-44
43	-44	-44	-43	-44	-44	-43	-43
44	-43	-43	-43	-44	-44	-43	-43
44	-44	-43	-43	-44	-43	-43	-42
44	-44	-44	-43	-43	-43	-43	-43
44	-44	-43	-43	-44	-44	-42	-43
44	-44	-43	-43	-43	-44	-43	-43
44	-44	-43	-43	-44	-43	-43	-44
44	-44	-44	-43	-43	-44	-43	-44
45	-44	-43	-43	-44	-43	-43	-43
45	-44	-44	-43	-43	-44	-43	-43
45	-44	-43	-43	-44	-44	-43	-43
44	-45	-44	-43	-44	-44	-43	-43
44	-44	-43	-43	-43	-43	-43	-43
44	-45	-43	-43	-44	-44	-43	-43
44	-44	-44	-43	-43	-43	-43	-43
44	-44	-43	-43	-43	-44	-43	-43
45	-44	-44	-43	-43	-44	-43	-43
44	-44	-44	-43	-44	-43	-43	-43
44	-43	-44	-43	-45	-43	-43	-43
44	-44	-43	-43	-44	-43	-42	-43
44	-44	-43	-43	-44	-44	-43	-43
43	-45	-44	-43	-43	-44	-42	-43
44	-44	-43	-43	-44	-44	-42	-43
44	-44	-44	-43	-44	-43	-43	-43

2

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
147	51	45	-44	-43	-44	-44	-43
148	52	5	-44	-45	-44	-45	-43
149	52	25	-44	-44	-44	-43	-43
150	52	45	-44	-45	-44	-44	-43
151	53	5	-44	-44	-44	-43	-43
152	53	25	-44	-44	-43	-44	-43
153	53	45	-44	-44	-44	-44	-43
154	54	5	-44	-44	-43	-43	-43
155	54	25	-44	-43	-44	-44	-43
156	54	45	-44	-44	-43	-44	-43
157	55	5	-44	-44	-44	-43	-43
158	55	25	-44	-44	-44	-44	-43
159	55	45	-43	-43	-44	-43	-43
160	56	5	-43	-44	-44	-43	-43
161	56	25	-44	-43	-42	-43	-43
162	56	45	-44	-45	-44	-43	-42
163	57	5	-44	-44	-44	-44	-43
164	57	25	-44	-44	-44	-44	-43
165	57	45	-44	-43	-44	-43	-43
166	58	5	-44	-43	-44	-44	-43
167	58	25	-44	-44	-43	-43	-43
168	58	45	-45	-43	-43	-43	-43
169	59	4	-44	-44	-43	-43	-43
170	59	24	-44	-45	-44	-44	-43
171	59	44	-44	-44	-44	-44	-43
172	60	4	-43	-44	-45	-43	-42
173	60	24	-44	-44	-44	-44	-42
174	60	44	-44	-44	-43	-43	-42
175	61	4	-43	-44	-44	-44	-42
176	61	24	-44	-44	-43	-43	-42
177	61	44	-44	-43	-44	-43	-43
178	62	4	-44	-43	-43	-44	-43
179	62	24	-43	-43	-43	-44	-43
180	62	44	-44	-44	-44	-44	-43
181	63	4	-43	-44	-43	-44	-43
182	63	24	-44	-44	-43	-43	-42
183	63	44	-43	-43	-44	-43	-42
184	64	4	-43	-43	-43	-44	-43
185	64	24	-45	-44	-44	-43	-43
186	64	44	-36	-37	-47	-41	-45
187	65	4	-46	-42	-44	-43	-43
188	65	24	-47	-34	-45	-43	-40
189	65	44	-43	-44	-44	-44	-42
190	66	4	-44	-43	-44	-43	-43
191	66	24	-43	-44	-43	-44	-42
192	66	43	-43	-43	-43	-43	-42
193	67	3	-43	-43	-44	-43	-42
194	67	23	-43	-43	-43	-43	-42
195	67	43	-42	-42	-42	-43	-41
196	68	3	-38	-40	-41	-41	-40

Specialties © Moore Business Forms, Inc. • Part 4

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7-21	7-22	7-23	7-24	7-25	7-26	7-27	7-28
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
PRS	GAS GN	GAS	GAS	POWER	POWER	POWER	T5
CSE	TRB	GN TRB	GN TRB	TURB	TURB	TURB	HRNESS
G.5	CSE	CSE	CSE	CASE	CASE	CASE	TEMP
.00	4.00	8.00	12.00	4.00	8.00	12.00	
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
-43	-44	-44	-43	-43	-44	-43	-44
-45	-44	-45	-43	-44	-44	-43	-43
-44	-44	-43	-43	-43	-44	-43	-43
-45	-44	-44	-43	-44	-43	-43	-43
-44	-44	-43	-43	-44	-43	-43	-43
-44	-43	-44	-43	-43	-43	-43	-43
-44	-44	-44	-43	-43	-44	-43	-43
-44	-43	-43	-43	-43	-44	-42	-43
-43	-44	-44	-43	-43	-43	-42	-42
-44	-43	-44	-43	-43	-43	-43	-43
-44	-44	-43	-43	-43	-44	-43	-43
-44	-44	-44	-43	-43	-44	-42	-43
-43	-44	-43	-43	-43	-43	-42	-43
-44	-44	-43	-43	-43	-43	-43	-43
-43	-42	-43	-43	-43	-44	-42	-43
-45	-44	-43	-42	-44	-43	-43	-42
-44	-44	-44	-43	-43	-44	-42	-42
-44	-44	-44	-43	-43	-43	-42	-43
-43	-44	-43	-43	-43	-43	-42	-43
-43	-44	-44	-43	-43	-43	-43	-43
-44	-43	-43	-43	-44	-43	-42	-43
-43	-43	-43	-43	-43	-43	-42	-43
-44	-43	-43	-43	-43	-43	-42	-43
-45	-44	-44	-43	-44	-43	-43	-42
-44	-44	-44	-43	-43	-44	-42	-42
-44	-45	-43	-42	-43	-43	-42	-42
-44	-44	-44	-42	-43	-43	-42	-42
-44	-43	-43	-42	-43	-43	-43	-42
-44	-44	-44	-42	-43	-43	-43	-42
-44	-43	-43	-42	-43	-44	-43	-42
-43	-44	-43	-43	-43	-44	-43	-42
-43	-43	-44	-43	-43	-43	-42	-42
-43	-43	-44	-43	-43	-43	-42	-42
-44	-44	-44	-43	-43	-42	-43	-42
-44	-43	-44	-43	-43	-43	-42	-42
-44	-43	-43	-42	-43	-44	-42	-42
-43	-44	-43	-42	-43	-43	-43	-42
-43	-43	-43	-43	-43	-43	-43	-43
-44	-44	-43	-43	-42	-43	-43	-42
-47	-47	-41	-45	-43	-43	-43	-40
-42	-44	-43	-43	-43	-43	-43	-42
-44	-45	-43	-40	-45	-43	-39	-41
-44	-44	-44	-42	-44	-43	-42	-42
-43	-44	-43	-43	-43	-42	-42	-42
-44	-43	-44	-42	-43	-43	-42	-42
-43	-43	-43	-42	-43	-43	-42	-41
-43	-44	-43	-42	-44	-43	-42	-42
-43	-43	-43	-42	-43	-43	-42	-42
-42	-42	-43	-41	-44	-43	-42	-41
-40	-41	-41	-40	-42	-43	-41	-41

2

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
197	68	23	-38	-40	-41	-41	-39
198	68	43	-37	-39	-40	-41	-40
199	69	3	-37	-37	-41	-40	-39
200	69	23	-36	-38	-40	-41	-40
201	69	43	-34	-37	-40	-41	-40
202	70	3	-36	-37	-41	-41	-39
203	70	23	-36	-37	-40	-41	-40
204	70	43	-34	-38	-41	-41	-40
205	71	3	-35	-37	-41	-40	-39
206	71	23	-34	-38	-41	-41	-40
207	71	43	-35	-37	-41	-41	-40
208	72	3	-34	-37	-40	-40	-39
209	72	23	-34	-36	-40	-41	-39
210	72	43	-34	-37	-40	-40	-39
211	73	3	-34	-36	-41	-41	-38
212	73	23	-33	-37	-40	-40	-40
213	73	43	-34	-37	-40	-40	-39
214	74	3	-33	-36	-41	-40	-39
215	74	23	-33	-37	-40	-40	-39
216	74	42	-34	-35	-40	-40	-38
217	75	2	-33	-36	-41	-40	-38
218	75	22	-34	-37	-40	-40	-38
219	75	42	-33	-36	-41	-40	-38
220	76	2	-34	-35	-40	-40	-39
221	76	22	-34	-36	-41	-40	-38
222	76	42	-35	-35	-40	-39	-36
223	77	2	-34	-36	-24	-25	-24
224	77	22	-30	-32	24	21	20
225	77	42	-29	-28	56	51	53
226	78	2	-27	-25	71	68	73
227	78	22	-25	-23	80	77	82
228	78	42	-26	-22	85	83	87
229	79	2	-26	-21	87	86	90
230	79	22	-25	-20	90	89	94
231	79	42	-25	-20	89	92	94
232	80	2	-24	-19	92	92	94
233	80	22	-24	-19	93	93	95
234	80	42	-23	-18	94	94	95
235	81	2	-22	-17	95	96	97
236	81	21	-22	-16	95	96	97
237	81	41	-21	-15	96	98	97
238	82	1	-21	-14	97	100	98
239	82	21	-20	-14	97	100	99
240	82	41	-21	-14	98	100	99
241	83	1	-21	-16	101	103	102
242	83	21	-15	-12	149	148	148
243	83	41	-12	0	177	175	177
244	84	1	-9	10	189	185	190
245	84	21	-6	18	201	197	202
246	84	41	-5	25	202	201	205

7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 POWER TURB CASE 8.00 DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
-40	-41	-41	-39	-43	-42	-41	-42
-39	-40	-41	-40	-42	-42	-40	-42
-37	-41	-40	-39	-42	-42	-40	-42
-38	-40	-41	-40	-42	-42	-40	-42
-37	-40	-41	-40	-42	-41	-40	-41
-37	-41	-41	-39	-40	-41	-40	-41
-37	-40	-41	-40	-40	-41	-39	-41
-38	-41	-41	-40	-40	-41	-40	-41
-37	-41	-40	-39	-40	-40	-39	-41
-38	-41	-41	-40	-41	-41	-39	-40
-37	-41	-41	-40	-40	-41	-39	-41
-37	-40	-40	-39	-41	-41	-39	-41
-36	-40	-41	-39	-40	-41	-39	-41
-37	-40	-40	-39	-41	-41	-40	-41
-36	-41	-41	-38	-40	-41	-39	-41
-37	-40	-40	-40	-40	-41	-40	-42
-37	-40	-40	-39	-41	-40	-40	-41
-36	-41	-40	-39	-41	-41	-39	-40
-37	-40	-40	-39	-40	-41	-40	-41
-35	-40	-40	-38	-40	-40	-39	-41
-36	-41	-40	-38	-40	-41	-39	-40
-37	-40	-40	-38	-40	-40	-38	-40
-36	-41	-40	-38	-40	-41	-39	-40
-35	-40	-40	-39	-41	-40	-40	-40
-36	-41	-40	-38	-40	-40	-38	-40
-35	-40	-39	-36	-40	-40	-39	-39
-36	-24	-25	-24	-29	-33	-31	-41
-32	24	21	20	3	-7	0	-39
-28	56	51	53	39	25	32	-37
-25	71	68	73	69	54	60	-35
-23	80	77	82	98	82	82	-33
-22	85	83	87	118	105	99	-32
-21	87	86	90	135	124	111	-29
-20	90	89	94	148	140	123	-27
-20	89	92	94	162	150	135	-25
-19	92	92	94	173	158	143	-23
-19	93	93	95	180	164	154	-22
-18	94	94	95	188	168	160	-21
-17	95	96	97	194	173	167	-18
-16	95	96	97	197	177	173	-17
-15	96	98	97	202	182	179	-16
-14	97	100	98	205	185	184	-16
-14	97	100	99	207	188	187	-15
-14	98	100	99	209	190	190	-11
-16	101	103	102	211	193	193	-11
-12	149	148	148	218	197	188	-9
0	177	175	177	230	201	193	-5
10	189	185	190	242	208	201	-2
18	201	197	202	254	219	210	1
25	202	201	205	264	228	219	5

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
247	85	1	-3	29	203	202	205
248	85	21	-4	32	203	202	204
249	85	41	-3	34	204	202	205
250	86	1	-1	34	206	205	207
251	86	21	0	37	206	206	208
252	86	41	0	37	206	206	209
253	87	1	0	38	209	209	211
254	87	21	1	39	209	210	211
255	87	41	2	39	208	208	210
256	88	1	2	39	207	209	210
257	88	21	3	39	208	208	208
258	88	42	4	40	208	210	210
259	89	2	4	41	198	200	202
260	89	22	4	38	205	204	206
261	89	42	4	39	207	208	209
262	90	2	4	39	210	210	212
263	90	22	4	41	210	210	211
264	90	42	4	41	210	210	213
265	91	2	3	41	210	210	213
266	91	22	3	42	211	211	212
267	91	42	4	42	209	210	210
268	92	3	3	42	209	210	211
269	92	23	3	41	210	210	213
270	92	43	3	42	212	212	213
271	93	3	4	41	211	211	214
272	93	23	5	43	220	218	222
273	93	44	4	41	218	216	220
274	94	4	2	39	218	216	219
275	94	24	1	32	218	218	221
276	94	45	1	32	224	223	223
277	95	5	3	35	228	227	227
278	95	25	4	34	223	222	223
279	95	46	3	35	222	221	224
280	96	6	4	37	224	222	226
281	96	27	6	40	225	224	226
282	96	47	7	42	226	223	226
283	97	7	7	43	226	224	227
284	97	28	9	46	230	227	232
285	97	48	11	48	233	230	234
286	98	9	13	52	234	232	236
287	98	29	16	54	236	233	238
288	98	50	16	55	242	240	243
289	99	11	16	57	250	244	250
290	99	31	16	58	234	234	239
291	99	52	15	55	228	229	230
292	100	13	15	53	257	250	254
293	100	33	15	54	243	241	244
294	100	54	16	53	258	252	255
295	101	15	18	55	264	259	260
296	101	36	18	56	262	259	258

7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 POWER TURB CASE 8.00 DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
29	203	202	205	272	237	224	10
32	203	202	204	275	243	230	13
34	204	202	205	276	247	232	18
34	206	205	207	278	250	234	20
37	206	206	208	281	252	238	25
37	206	206	209	282	254	238	28
38	209	209	211	284	256	241	31
39	209	210	211	286	258	244	34
39	208	208	210	286	258	243	36
39	207	209	210	288	259	243	38
39	208	208	208	286	259	242	41
40	208	210	210	286	258	243	43
41	198	200	202	283	257	242	45
38	205	204	206	282	255	241	45
39	207	208	209	283	255	239	48
39	210	210	212	284	257	242	48
41	210	210	211	285	257	242	49
41	210	210	213	284	257	243	53
41	210	210	213	284	258	243	53
42	211	211	212	284	259	244	53
42	209	210	210	284	258	244	54
42	209	210	211	285	258	245	55
41	210	210	213	284	257	244	56
42	212	212	213	284	259	244	57
41	211	211	214	285	259	245	58
43	220	218	222	291	261	247	58
41	218	216	220	295	265	251	58
35	218	216	219	299	266	255	59
32	218	218	221	300	267	255	58
32	224	223	223	304	268	258	59
35	228	227	227	310	271	262	60
34	223	222	223	313	274	264	60
35	222	221	224	311	273	265	61
37	224	222	226	311	275	266	60
40	225	224	226	311	276	266	62
42	226	223	226	311	276	267	61
43	226	224	227	312	277	266	60
46	230	227	232	316	281	269	62
48	233	230	234	321	286	272	63
52	234	232	236	324	289	274	64
54	236	233	238	325	293	278	64
55	242	240	243	330	298	279	64
57	250	244	250	339	302	284	67
58	234	234	239	340	304	288	66
55	228	229	230	331	300	282	66
53	257	250	254	341	304	286	69
54	243	241	244	347	307	291	69
53	258	252	255	352	309	294	70
55	264	259	260	366	313	301	69
56	262	259	258	377	316	305	72

2

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
297	101	56	19	53	261	260	256
298	102	17	18	53	261	258	256
299	102	38	20	53	261	258	256
300	102	59	19	53	262	258	258
301	103	20	19	53	262	260	258
302	103	40	19	53	263	260	259
303	104	1	20	53	263	261	258
304	104	22	20	54	269	267	263
305	104	43	19	53	266	262	261
306	105	4	19	52	260	258	258
307	105	25	20	53	256	254	254
308	105	46	21	53	257	253	255
309	106	7	19	54	254	252	252
310	106	28	19	53	252	249	248
311	106	49	20	55	273	267	268
312	107	10	22	61	286	281	277
313	107	31	24	64	289	280	276
314	107	52	25	65	286	280	276
315	108	13	25	64	286	279	275
316	108	34	26	63	286	279	273
317	108	55	24	62	285	278	273
318	109	16	25	61	282	276	271
319	109	37	25	59	281	276	271
320	109	57	26	63	281	277	271
321	110	18	27	63	282	277	272
322	110	39	28	63	282	276	271
323	111	0	27	62	282	277	272
324	111	21	27	63	283	278	275
325	111	42	29	64	284	277	274
326	112	3	30	64	284	278	273
327	112	24	30	65	286	279	276
328	112	45	30	65	273	270	266
329	113	5	28	63	270	267	263
330	113	26	28	59	270	267	264
331	113	47	28	61	265	262	261
332	114	8	22	58	238	238	234
333	114	29	20	54	231	228	227
334	114	49	21	54	227	224	224
335	115	10	19	53	226	224	226
336	115	31	20	54	226	224	225
337	115	52	21	54	226	223	225
338	116	13	19	55	227	224	225
339	116	33	20	58	226	224	225
340	116	54	19	57	225	225	224
341	117	15	20	58	226	224	225
342	117	36	22	59	226	225	226
343	117	56	21	61	226	223	225
344	118	17	20	61	226	223	224
345	118	38	19	59	226	225	226
346	118	58	19	58	226	225	225

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-21	7-22	7-23	7-24	7-25	7-26	7-27	7-28
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
PRS	GAS GN	GAS	GAS	POWER	POWER	POWER	T5
CSE	TRB	GN TRB	GN TRB	TURB	TURB	TURB	HRNESS
G.5	CSE	CSE	CSE	CASE	CASE	CASE	TEMP
.00	4.00	8.00	12.00	4.00	8.00	12.00	
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
53	261	260	256	383	317	311	71
53	261	258	256	386	316	311	72
53	261	258	256	387	317	311	73
53	262	258	258	387	316	311	72
53	262	260	258	389	319	313	74
53	263	260	259	389	318	314	74
53	263	261	258	389	319	316	76
54	269	267	263	392	322	316	77
53	266	262	261	393	323	317	75
52	260	258	258	391	324	318	77
53	256	254	254	385	321	315	77
53	257	253	255	380	321	313	77
54	254	252	252	375	319	310	77
53	252	249	248	370	319	307	76
55	273	267	268	377	322	310	78
61	286	281	277	400	331	320	80
64	289	280	276	415	340	326	79
65	286	280	276	425	345	331	78
64	286	279	275	431	349	334	77
63	286	279	273	435	348	337	79
62	285	278	273	435	345	338	79
61	282	276	271	436	342	338	80
59	281	276	271	436	340	338	80
63	281	277	271	436	339	336	81
63	282	277	272	436	338	337	81
63	282	276	271	436	336	337	81
62	282	277	272	437	336	338	80
63	283	278	275	435	336	336	79
64	284	277	274	436	338	339	80
64	284	278	273	436	339	339	82
65	286	279	276	437	339	339	79
65	273	270	266	430	336	338	79
63	270	267	263	420	334	333	80
59	270	267	264	413	330	330	81
61	265	262	261	408	328	328	82
58	238	238	234	387	323	318	80
54	231	228	227	365	315	302	80
54	227	224	224	350	306	290	79
53	226	224	226	340	301	282	79
54	226	224	225	332	294	276	79
54	226	223	225	327	290	273	80
55	227	224	225	323	289	269	79
56	226	224	225	320	286	267	79
57	225	225	224	318	286	266	79
58	226	224	225	315	285	265	78
59	226	225	226	315	284	265	79
61	226	223	225	313	282	263	78
71	226	223	224	312	282	263	78
79	226	225	226	311	282	264	78
88	226	225	225	310	282	264	78

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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
347	119	19	18	58	224	224	223
348	119	40	16	56	222	223	221
349	120	0	16	54	222	222	220
350	120	21	17	54	222	221	219
351	120	42	16	54	223	221	219
352	121	2	15	53	222	221	219
353	121	23	14	53	221	221	218
354	121	44	16	55	219	220	219
355	122	4	17	54	220	220	219
356	122	25	16	54	220	219	218
357	122	45	16	54	219	218	219
358	123	6	15	53	219	219	219
359	123	26	14	53	219	218	218
360	123	47	16	53	219	219	218
361	124	7	16	53	219	218	218
362	124	28	16	54	212	211	212
363	124	48	8	46	201	204	198
364	125	9	0	31	199	203	193
365	125	29	-2	19	197	201	187
366	125	50	-3	13	193	197	182
367	126	10	-6	9	191	194	177
368	126	31	-6	5	184	186	168
369	126	51	-9	1	177	181	161
370	127	12	-11	-1	174	177	156
371	127	32	-11	-3	171	172	152
372	127	53	-11	-3	168	168	150
373	128	13	-9	-4	166	166	148
374	128	33	-10	-4	163	162	147
375	128	54	-11	-4	160	160	145
376	129	14	-9	-2	157	156	144
377	129	34	-9	-3	155	155	142
378	129	55	-9	-3	153	152	141
379	130	15	-9	-4	151	150	140
380	130	36	-9	-4	149	148	137
381	130	56	-9	-3	147	145	137
382	131	16	-9	-4	146	143	136
383	131	37	-9	-5	144	141	135
384	131	57	-9	-4	141	140	134
385	132	17	-8	-4	141	138	133
386	132	38	-9	-3	138	136	133
387	132	58	-9	-4	137	135	132
388	133	18	-9	-4	135	133	130
389	133	19	-9	-5	133	131	130
390	133	59	-9	-4	131	129	129
391	134	19	-10	-5	129	128	128
392	134	39	-9	-5	127	126	127
393	135	0	-9	-5	126	126	126
394	135	20	-9	-5	125	125	125
395	135	40	-11	-5	124	123	125
396	136	0	-9	-6	123	122	125

7-21	7-22	7-23	7-24	7-25	7-26	7-27	7-28
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
PRS	GAS GN	GAS	GAS	POWER	POWER	POWER	T5
CSE	TRB	GN TRB	GN TRB	TURB	TURB	TURB	HRNESS
.5	CSE	CSE	CSE	CASE	CASE	CASE	TEMP
.00	4.00	8.00	12.00	4.00	8.00	12.00	
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
58	224	224	223	308	281	263	78
56	222	223	221	306	279	258	76
54	222	222	220	303	279	257	78
54	222	221	219	300	278	255	75
54	223	221	219	300	276	256	75
53	222	221	219	299	275	255	76
53	221	221	218	298	275	254	75
55	219	220	219	296	275	254	76
54	220	220	219	294	273	253	76
54	220	219	218	294	273	252	76
54	219	218	219	293	273	252	74
53	219	219	219	293	272	253	73
53	219	218	218	292	271	252	73
53	219	219	218	291	271	252	72
53	219	218	218	292	271	250	73
54	212	211	212	290	270	250	72
56	201	204	198	281	260	246	70
61	199	203	193	264	245	226	71
49	197	201	187	249	232	211	69
43	193	197	182	234	221	198	68
9	191	194	177	223	211	191	68
5	184	186	168	212	202	179	65
1	177	181	161	203	192	172	63
1	174	177	156	194	183	166	61
3	171	172	152	188	177	164	59
3	168	168	150	182	174	161	57
4	166	166	148	178	171	160	57
4	163	162	147	175	167	158	55
4	160	160	145	171	165	156	56
2	157	156	144	168	161	155	56
3	155	155	142	165	160	154	56
3	153	152	141	163	158	152	55
4	151	150	140	161	155	151	53
4	149	148	137	159	153	151	54
3	147	145	137	156	150	150	53
4	146	143	136	154	148	149	51
5	144	141	135	151	145	148	50
4	141	140	134	149	144	148	48
4	141	138	133	147	142	146	48
3	138	136	133	145	140	147	48
4	137	135	132	143	139	146	47
4	135	133	130	140	136	145	45
5	133	131	130	137	133	145	45
4	131	129	129	134	130	143	42
3	129	128	128	133	129	142	42
3	127	128	127	130	127	141	41
3	126	126	126	129	126	141	40
3	125	125	125	128	125	140	40
3	124	123	125	126	122	139	38
3	123	122	125	124	121	139	38

2

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C
397	136	21	-11	-6	121	121	124
398	136	41	-11	-6	121	121	124
399	137	1	-10	-5	120	119	122
400	137	21	-11	-5	117	118	122
401	137	42	-11	-6	117	118	121
402	138	2	-10	-7	115	116	121
403	138	22	-11	-7	114	115	121
404	138	42	-10	-7	114	114	121
405	139	3	-11	-8	112	113	119
406	139	23	-11	-7	112	113	120
407	139	43	-11	-7	111	112	119
408	140	3	-12	-6	110	111	119
409	140	23	-10	-5	109	110	118
410	140	44	-12	-6	108	109	118
411	141	4	-11	-6	107	108	119
412	141	24	-12	-7	107	108	117
413	141	44	-11	-6	106	107	116
414	142	4	-10	-7	104	106	116
415	142	25	-12	-8	104	107	117
416	142	45	-12	-8	102	105	116
417	143	5	-11	-7	101	104	116
418	143	25	-10	-7	100	103	115
419	143	45	-12	-8	100	102	115
420	144	5	-12	-8	99	102	114
421	144	25	-12	-8	98	100	114
422	144	46	-12	-8	97	100	114
423	145	6	-12	-9	97	98	113
424	145	26	-12	-9	96	98	113
425	145	46	-13	-8	95	98	113
426	146	6	-12	-8	95	96	112
427	146	26	-13	-9	94	96	112
428	146	46	-12	-9	93	95	111
429	147	6	-12	-8	92	94	113
430	147	26	-12	-9	92	95	111
431	147	47	-12	-8	91	94	111
432	148	7	-13	-9	90	93	111
433	148	27	-12	-9	90	92	111
434	148	47	-13	-9	89	91	110
435	149	7	-13	-9	89	91	110
436	149	27	-14	-7	88	90	110
437	149	47	-13	-9	87	89	109
438	150	7	-13	-9	86	88	108
439	150	27	-14	-9	85	87	108
440	150	48	-14	-10	85	88	108
441	151	8	-14	-9	84	86	107
442	151	28	-13	-9	84	86	107
443	151	48	-14	-9	83	85	107
444	152	8	-13	-9	82	85	106
445	*	*	*	*	*	*	*

7-21 ENG.1 OMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 GAS GN TRB CSE 4.00 DEG.C	7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 POWER TURB CASE 8.00 DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
-6	121	121	124	122	119	139	38
-6	121	121	124	120	118	138	37
-5	120	119	122	119	115	137	36
-5	117	118	122	117	115	137	36
-6	117	118	121	116	113	136	35
-7	115	116	121	113	111	135	35
-7	114	115	121	113	110	135	34
-7	114	114	121	111	109	134	33
-8	112	113	119	109	108	134	33
-7	112	113	120	108	106	133	32
-7	111	112	119	107	104	133	32
-6	110	111	119	106	103	133	31
-5	109	110	118	103	101	133	31
-6	108	109	118	101	100	132	30
-6	107	108	119	101	98	132	30
-7	107	108	117	99	98	131	29
-6	106	107	116	97	96	130	29
-7	104	106	116	96	94	130	28
-8	104	107	117	94	93	129	28
-8	102	105	116	93	92	129	26
-7	101	104	116	93	91	129	26
-7	100	103	115	90	89	128	26
-8	100	102	115	90	88	127	25
-8	99	102	114	88	86	127	25
-8	98	100	114	86	85	126	24
-8	97	100	114	85	84	126	24
-9	97	98	113	83	82	126	24
-9	96	98	113	82	81	124	23
-8	95	98	113	81	80	124	22
-8	95	96	112	80	79	124	21
-9	94	96	112	79	79	123	21
-9	93	95	111	78	77	122	22
-8	92	94	113	78	76	123	21
-9	92	95	111	75	74	122	20
-8	91	94	111	74	74	122	21
-9	90	93	111	72	73	120	20
-9	90	92	111	72	71	120	19
-9	89	91	110	70	70	119	19
-9	89	91	110	70	69	119	18
-7	88	90	110	68	68	119	18
-9	87	89	109	67	67	117	17
-9	86	88	108	66	66	117	17
-9	85	87	108	65	65	116	17
-10	85	88	108	65	64	116	17
-9	84	86	107	63	63	116	16
-9	84	86	107	64	63	115	16
-9	83	85	107	62	61	115	15
-9	82	85	106	60	60	115	15
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HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C
1	0	19	-46	-46	-46	-45	-47
2	0	39	-45	-46	-46	-45	-45
3	0	59	-46	-45	-46	-46	-46
4	1	19	-46	-46	-46	-45	-46
5	1	39	-46	-46	-45	-45	-46
6	1	59	-45	-46	-46	-45	-47
7	2	19	-45	-47	-46	-46	-47
8	2	39	-45	-46	-46	-45	-46
9	2	59	-45	-45	-46	-45	-46
10	3	19	-45	-46	-46	-45	-46
11	3	39	-46	-46	-45	-45	-47
12	3	59	-46	-46	-46	-45	-46
13	4	19	-45	-46	-46	-46	-46
14	4	39	-47	-45	-45	-45	-47
15	4	59	-46	-47	-45	-46	-46
16	5	19	-45	-46	-46	-45	-47
17	5	39	-46	-46	-45	-45	-46
18	5	59	-45	-46	-46	-45	-46
19	6	19	-44	-45	-46	-45	-46
20	6	39	-46	-45	-45	-46	-47
21	6	59	-46	-46	-45	-46	-47
22	7	19	-45	-46	-46	-45	-46
23	7	39	-46	-45	-46	-45	-47
24	7	59	-46	-46	-46	-45	-46
25	8	18	-46	-46	-45	-46	-46
26	8	38	-44	-46	-45	-46	-46
27	8	58	-45	-46	-45	-45	-46
28	9	21	-46	-46	-46	-45	-46
29	9	41	-46	-45	-46	-46	-46
30	10	1	-45	-46	-46	-45	-46
31	10	21	-45	-46	-45	-46	-46
32	10	41	-45	-46	-46	-45	-46
33	11	1	-45	-46	-45	-46	-46
34	11	21	-45	-46	-45	-46	-46
35	11	41	-45	-46	-46	-45	-47
36	12	1	-46	-46	-46	-46	-46
37	15	38	-45	-45	-45	-45	-46
38	15	58	-46	-45	-46	-45	-46
39	16	18	-45	-46	-45	-45	-46
40	16	38	-46	-46	-45	-46	-46
41	16	58	-45	-46	-45	-45	-46
42	17	18	-45	-46	-45	-46	-46
43	17	38	-46	-46	-46	-45	-47
44	17	58	-44	-46	-45	-46	-46
45	18	18	-46	-46	-45	-46	-4

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

8-06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
UNT	SKIN	CASE	CASE	CASE	STG.2	STG.3	STG.3	STG.3
EMP	OUTBD	TEMP	TEMP	TEMP	4.30	3.00	4.30	6.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
46	-46	-45	-47	-46	-47	-46	-45	-45
46	-46	-45	-45	-46	-46	-45	-45	-45
45	-46	-46	-46	-46	-46	-46	-45	-45
46	-46	-45	-46	-46	-47	-46	-46	-46
46	-45	-45	-46	-47	-45	-46	-45	-46
46	-46	-45	-47	-46	-47	-46	-45	-46
47	-46	-46	-47	-47	-46	-46	-45	-47
46	-46	-45	-46	-46	-47	-46	-46	-46
5	-46	-45	-46	-45	-46	-46	-46	-45
46	-46	-45	-46	-46	-47	-45	-46	-46
46	-45	-45	-47	-46	-47	-44	-46	-46
46	-46	-45	-46	-46	-47	-46	-46	-46
46	-46	-46	-46	-46	-47	-46	-45	-46
45	-45	-45	-47	-45	-47	-46	-46	-45
47	-45	-46	-46	-47	-45	-46	-46	-46
46	-46	-45	-47	-46	-46	-46	-46	-46
46	-45	-45	-46	-47	-46	-46	-44	-46
46	-46	-45	-46	-46	-46	-47	-45	-46
45	-46	-45	-46	-46	-47	-46	-46	-46
45	-45	-46	-47	-45	-46	-46	-46	-45
46	-45	-46	-47	-46	-45	-46	-46	-45
46	-46	-45	-46	-46	-46	-46	-46	-45
45	-46	-45	-47	-45	-47	-45	-45	-44
46	-46	-45	-46	-46	-46	-45	-46	-46
46	-45	-46	-46	-47	-45	-47	-46	-46
46	-45	-46	-46	-46	-45	-46	-45	-46
46	-45	-45	-46	-47	-46	-45	-45	-46
46	-46	-45	-46	-46	-47	-46	-46	-46
5	-46	-46	-46	-47	-46	-46	-45	-45
46	-46	-45	-46	-47	-45	-46	-45	-46
46	-45	-46	-46	-47	-46	-46	-45	-46
46	-46	-45	-48	-46	-47	-46	-45	-46
46	-45	-46	-46	-47	-46	-46	-45	-45
46	-45	-46	-46	-46	-46	-46	-45	-46
46	-46	-45	-47	-44	-46	-46	-45	-46
46	-46	-46	-46	-45	-46	-45	-46	-45
45	-45	-45	-46	-45	-46	-46	-45	-45
45	-46	-45	-46	-46	-46	-46	-46	-45
46	-45	-45	-46	-46	-47	-47	-45	-46
46	-45	-46	-46	-46	-46	-46	-46	-45
46	-45	-45	-46	-47	-45	-46	-45	-46
46	-45	-46	-46	-47	-46	-46	-45	-46
46	-46	-45	-47	-47	-46	-46	-46	-45
46	-45	-45	-46	-46	-45	-46	-45	-46
46	-45	-46	-4	-46	-46	-46	-45	-46

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C
46	18	38	-45	-45	-46	-45	-47
47	18	58	-45	-46	-46	-45	-46
48	19	18	-45	-46	-45	-46	-45
50	19	41	-45	-44	-44	-45	-45
51	20	1	-45	-45	-45	-44	-45
52	20	21	-45	-45	-45	-44	-45
53	20	42	-45	-45	-45	-45	-46
54	21	2	-44	-45	-44	-45	-45
55	21	22	-44	-45	-44	-45	-46
56	21	42	-45	-45	-45	-43	-45
57	22	2	-44	-45	-45	-44	-45
58	22	22	-45	-45	-44	-44	-45
59	22	42	-44	-45	-44	-44	-45
60	23	2	-44	-45	-45	-45	-45
61	23	22	-45	-45	-45	-45	-45
62	23	42	-44	-45	-45	-44	-45
63	24	2	-45	-45	-44	-44	-45
64	24	22	-45	-45	-45	-45	-45
65	24	27	-44	-44	-43	-43	-44
66	24	47	-45	-45	-45	-44	-46
67	25	8	-45	-44	-45	-45	-45
68	25	28	-45	-44	-45	-45	-46
69	25	48	-45	-44	-45	-44	-44
70	26	8	-45	-44	-44	-45	-45
71	26	28	-45	-45	-44	-45	-45
72	26	48	-45	-46	-45	-45	-45
73	27	8	-44	-45	-44	-45	-46
74	27	28	-44	-46	-45	-45	-45
75	27	48	-44	-46	-45	-45	-46
76	28	8	-45	-44	-45	-45	-45
77	28	28	-45	-46	-45	-44	-45
78	28	48	-44	-46	-45	-45	-44
79	29	8	-45	-44	-44	-45	-45
80	29	28	-43	-46	-44	-45	-45
81	29	48	-45	-44	-45	-45	-45
82	30	8	-45	-45	-45	-44	-45
83	30	28	-45	-45	-44	-45	-45
84	30	48	-45	-44	-45	-45	-45
85	31	8	-45	-45	-45	-44	-45
86	31	28	-45	-45	-44	-45	-45
87	31	48	-44	-45	-45	-44	-46
88	32	8	-45	-45	-45	-44	-46
89	32	28	-45	-45	-45	-44	-46
90	32	48	-44	-45	-45	-44	-46
91	33	8	-44	-45	-45	-44	-46
92	33	28	-44	-45	-45	-45	-45
93	33	48	-45	-45	-43	-45	-46
94	34	8	-45	-45	-44	-45	-45
95	34	28	-45	-45	-45	-44	-46
96	34	48	-45	-44	-44	-45	-45

8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
-45	-46	-45	-47	-46	-46	-46	-45	-45
-46	-46	-45	-46	-46	-46	-45	-45	-46
-46	-45	-46	-45	-46	-46	-46	-45	-46
-44	-44	-45	-45	-45	-45	-45	-44	-45
-45	-45	-44	-45	-45	-45	-45	-45	-45
-45	-45	-44	-45	-45	-45	-44	-45	-45
-45	-45	-45	-46	-45	-45	-44	-45	-45
-45	-44	-45	-45	-45	-46	-45	-45	-45
-45	-44	-45	-46	-45	-45	-45	-44	-45
-45	-45	-43	-45	-45	-45	-45	-45	-44
-45	-45	-44	-45	-45	-45	-45	-44	-44
-45	-44	-44	-45	-45	-44	-45	-45	-44
-45	-44	-44	-45	-46	-45	-45	-44	-45
-45	-45	-45	-45	-45	-46	-45	-44	-44
-45	-45	-45	-45	-45	-45	-45	-45	-44
-45	-45	-44	-45	-46	-45	-46	-45	-45
-45	-44	-44	-45	-45	-44	-46	-45	-44
-45	-45	-45	-45	-46	-45	-45	-44	-45
-44	-43	-43	-44	-44	-44	-43	-43	-44
-45	-45	-44	-46	-45	-46	-45	-45	-45
-44	-45	-45	-45	-45	-45	-45	-44	-45
-44	-45	-45	-46	-46	-45	-45	-45	-45
-44	-45	-44	-44	-46	-45	-45	-44	-45
-44	-44	-45	-45	-46	-46	-44	-45	-45
-45	-44	-45	-45	-46	-46	-45	-44	-46
-46	-45	-45	-45	-46	-45	-45	-44	-45
-45	-44	-45	-46	-45	-45	-46	-45	-45
-46	-45	-45	-45	-46	-45	-45	-44	-45
-46	-45	-45	-46	-46	-45	-45	-45	-45
-44	-45	-45	-45	-46	-46	-45	-45	-44
-46	-45	-44	-45	-46	-46	-45	-45	-45
-46	-45	-45	-44	-45	-45	-45	-45	-45
-44	-44	-45	-45	-45	-45	-45	-44	-45
-46	-44	-45	-45	-46	-46	-45	-44	-46
-44	-45	-45	-45	-45	-45	-45	-44	-45
-45	-45	-44	-45	-45	-45	-45	-44	-45
-45	-44	-45	-45	-46	-45	-45	-45	-44
-45	-45	-45	-45	-45	-45	-46	-45	-45
-45	-44	-43	-45	-45	-45	-44	-45	-45
-45	-45	-44	-45	-46	-45	-45	-45	-45
-45	-45	-44	-46	-45	-45	-45	-45	-45
-45	-45	-44	-46	-45	-45	-45	-45	-45
-45	-45	-44	-46	-45	-44	-45	-45	-45
-45	-45	-45	-45	-45	-46	-45	-45	-44
-45	-43	-45	-46	-45	-46	-45	-45	-44
-45	-44	-45	-45	-45	-46	-44	-45	-45
-45	-45	-44	-46	-46	-45	-45	-45	-44
-44	-44	-45	-45	-45	-46	-45	-45	-45

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C
97	35	8	-45	-44	-45	-45	-45
98	35	28	-44	-45	-45	-44	-45
99	35	48	-44	-46	-44	-45	-45
100	36	8	-45	-45	-44	-44	-45
101	36	28	-44	-45	-45	-44	-45
102	36	48	-45	-45	-45	-45	-44
103	37	8	-45	-45	-45	-45	-45
104	37	28	-45	-45	-45	-45	-46
105	37	48	-45	-44	-44	-44	-45
106	38	8	-45	-45	-43	-45	-44
107	38	28	-45	-45	-44	-44	-45
108	38	48	-45	-45	-45	-44	-45
109	39	8	-45	-44	-44	-44	-46
110	39	28	-45	-45	-44	-45	-46
111	39	48	-45	-45	-45	-44	-45
112	40	8	-44	-46	-45	-44	-45
113	40	28	-45	-44	-45	-44	-46
114	40	48	-44	-46	-45	-45	-45
115	41	8	-45	-45	-45	-44	-44
116	41	28	-44	-46	-45	-45	-45
117	41	48	-45	-45	-45	-45	-46
118	42	8	-44	-45	-45	-45	-45
119	42	28	-45	-45	-45	-44	-45
120	42	48	-45	-45	-45	-44	-45
121	43	8	-45	-45	-44	-45	-45
122	43	28	-45	-45	-44	-44	-45
123	43	48	-44	-45	-44	-45	-46
124	44	8	-45	-46	-45	-44	-46
125	44	28	-44	-44	-45	-44	-46
126	44	48	-45	-44	-44	-45	-44
127	45	8	-45	-45	-44	-45	-44
128	45	28	-45	-45	-45	-44	-44
129	45	48	-44	-45	-45	-45	-46
130	46	8	-45	-45	-45	-44	-46
131	46	28	-45	-45	-45	-45	-45
132	46	48	-45	-45	-44	-45	-46
133	47	8	-45	-44	-45	-44	-45
134	47	28	-45	-45	-45	-45	-44
135	47	48	-44	-45	-45	-45	-45
136	48	8	-45	-45	-45	-44	-46
137	48	28	-44	-45	-44	-44	-46
138	48	48	-45	-46	-45	-44	-44
139	49	8	-45	-45	-45	-45	-45
140	49	28	-45	-45	-45	-44	-45
141	49	48	-44	-46	-45	-45	-45
142	50	8	-44	-45	-45	-45	-45
143	50	28	-45	-45	-45	-45	-45
144	50	48	-45	-45	-45	-44	-45
145	51	8	-46	-45	-44	-44	-45
146	51	27	-45	-46	-45	-45	-46

06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
IT	IGNIT	FUEL	LUBE	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
TR	EXCITR	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
NT	SKIN	CASE	CASE	CASE	STG.2	STG.3	STG.3	STG.3
HP	OUTBD	TEMP	TEMP	TEMP	4.30	3.00	4.30	6.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
4	-45	-45	-45	-46	-45	-46	-45	-45
5	-45	-44	-45	-46	-45	-45	-45	-45
6	-44	-45	-45	-45	-45	-45	-45	-45
5	-44	-44	-45	-46	-45	-45	-44	-45
5	-45	-44	-45	-45	-45	-46	-44	-44
5	-45	-45	-44	-45	-45	-45	-45	-45
5	-45	-45	-45	-46	-45	-45	-46	-45
5	-45	-45	-46	-45	-45	-45	-45	-45
4	-44	-44	-45	-46	-45	-45	-44	-46
5	-43	-45	-44	-45	-46	-45	-44	-45
5	-44	-44	-45	-44	-46	-45	-44	-45
5	-45	-44	-45	-45	-45	-45	-45	-45
4	-44	-44	-46	-46	-45	-46	-44	-45
5	-44	-45	-46	-45	-46	-44	-46	-45
5	-45	-44	-45	-45	-46	-45	-45	-44
6	-45	-44	-45	-45	-44	-45	-45	-45
4	-45	-44	-46	-46	-45	-45	-45	-45
6	-45	-45	-45	-45	-45	-46	-45	-45
5	-45	-44	-44	-46	-45	-45	-45	-45
6	-45	-45	-45	-45	-46	-45	-46	-45
5	-45	-45	-46	-45	-46	-45	-46	-45
5	-45	-45	-45	-45	-44	-45	-45	-45
5	-45	-44	-45	-45	-45	-45	-45	-44
5	-45	-44	-45	-44	-46	-45	-45	-45
5	-44	-45	-45	-46	-45	-45	-44	-45
5	-44	-44	-45	-46	-46	-45	-45	-45
5	-44	-45	-46	-46	-46	-45	-45	-45
6	-45	-44	-46	-45	-45	-46	-45	-45
4	-45	-44	-46	-46	-45	-46	-44	-44
4	-44	-45	-44	-46	-45	-45	-46	-45
5	-44	-45	-44	-44	-46	-45	-45	-45
5	-45	-44	-44	-46	-45	-45	-44	-45
5	-45	-45	-46	-46	-45	-45	-45	-45
5	-45	-44	-46	-45	-46	-45	-45	-45
5	-45	-45	-46	-45	-45	-46	-45	-45
5	-44	-45	-46	-46	-45	-45	-44	-45
4	-45	-44	-45	-45	-45	-45	-45	-46
5	-45	-45	-44	-46	-45	-45	-45	-44
5	-45	-45	-45	-46	-45	-45	-45	-45
5	-45	-44	-46	-45	-45	-45	-45	-45
5	-44	-44	-46	-45	-45	-45	-45	-44
6	-45	-44	-44	-46	-45	-45	-44	-45
5	-45	-45	-45	-45	-45	-46	-45	-44
5	-45	-44	-45	-46	-45	-45	-44	-45
6	-45	-45	-45	-45	-45	-45	-44	-45
5	-45	-45	-45	-46	-46	-45	-45	-45
5	-45	-45	-45	-44	-44	-44	-44	-45
5	-45	-44	-45	-45	-45	-45	-44	-45
5	-44	-44	-45	-44	-46	-45	-45	-45
6	-45	-45	-44	-46	-45	-46	-45	-45

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C
147	51	47	-44	-45	-45	-44	-46
148	52	7	-45	-45	-44	-45	-45
149	52	27	-45	-44	-44	-44	-46
150	52	47	-45	-45	-45	-43	-47
151	53	7	-44	-45	-44	-45	-45
152	53	27	-44	-45	-45	-45	-46
153	53	47	-44	-45	-45	-45	-44
154	54	7	-45	-45	-44	-44	-45
155	54	27	-44	-45	-44	-44	-44
156	54	47	-45	-45	-45	-45	-44
157	55	7	-44	-45	-44	-44	-46
158	55	27	-45	-45	-44	-44	-45
159	55	47	-44	-45	-44	-45	-45
160	56	7	-45	-44	-44	-44	-45
161	56	27	-45	-44	-45	-44	-45
162	56	47	-45	-44	-44	-45	-45
163	57	7	-45	-43	-43	-43	-45
164	57	27	-45	-45	-45	-43	-45
165	57	47	-45	-44	-44	-44	-45
166	58	7	-44	-44	-44	-44	-46
167	58	27	-45	-45	-44	-44	-45
168	58	47	-44	-45	-44	-45	-45
169	59	7	-45	-44	-44	-44	-45
170	59	27	-44	-45	-45	-44	-46
171	59	47	-44	-45	-44	-44	-45
172	60	7	-44	-45	-44	-45	-44
173	60	27	-45	-45	-45	-44	-46
174	60	47	-44	-44	-45	-44	-45
175	61	7	-44	-45	-44	-44	-44
176	61	26	-45	-45	-44	-43	-45
177	61	46	-44	-44	-44	-44	-45
178	62	6	-45	-44	-44	-43	-44
179	62	26	-45	-45	-44	-44	-46
180	62	46	-44	-45	-44	-44	-45
181	63	6	-45	-44	-44	-44	-45
182	63	26	-44	-45	-43	-43	-45
183	63	46	-43	-45	-44	-44	-45
184	64	6	-45	-44	-44	-45	-43
185	64	26	-45	-43	-44	-43	-44
186	64	46	-37	-38	-41	-45	-41
187	65	6	-43	-45	-43	-43	-45
188	65	26	-43	-38	-43	-45	-48
189	65	46	-44	-45	-44	-43	-45
190	66	6	-44	-44	-44	-43	-46
191	66	26	-43	-45	-43	-44	-46
192	66	46	-43	-44	-43	-44	-45
193	67	6	-43	-44	-43	-43	-45
194	67	26	-43	-43	-44	-43	-44
195	67	46	-44	-44	-43	-42	-45
196	68	6	-44	-43	-44	-44	-45

8-06 ENG.2 IGNIT EXCITR COUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.90 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
-45	-45	-44	-46	-45	-46	-45	-45	-44
-45	-44	-45	-45	-45	-46	-45	-45	-45
-44	-44	-44	-46	-46	-45	-45	-44	-45
-45	-45	-43	-47	-45	-46	-45	-45	-44
-45	-44	-45	-45	-45	-45	-45	-45	-45
-45	-45	-45	-46	-45	-45	-45	-45	-44
-45	-45	-45	-44	-46	-45	-45	-45	-45
-45	-44	-44	-45	-44	-46	-44	-44	-44
-45	-44	-44	-44	-44	-45	-45	-45	-45
-45	-45	-45	-44	-45	-45	-45	-43	-45
-45	-44	-44	-46	-46	-45	-44	-45	-44
-45	-44	-44	-45	-44	-46	-45	-44	-45
-44	-44	-44	-45	-46	-45	-46	-44	-45
-44	-45	-44	-45	-44	-45	-45	-45	-44
-44	-44	-45	-45	-46	-45	-45	-44	-45
-43	-43	-43	-45	-44	-45	-45	-45	-44
-45	-45	-43	-45	-44	-45	-45	-44	-44
-44	-44	-44	-45	-44	-45	-45	-44	-44
-44	-44	-44	-46	-45	-45	-44	-44	-45
-45	-44	-45	-45	-45	-46	-44	-43	-44
-45	-45	-44	-45	-46	-45	-45	-45	-44
-45	-44	-44	-45	-44	-45	-45	-43	-44
-45	-44	-45	-44	-45	-45	-45	-45	-44
-45	-44	-45	-44	-45	-45	-45	-44	-44
-45	-45	-44	-46	-45	-45	-45	-45	-44
-44	-45	-44	-45	-46	-44	-44	-44	-44
-45	-44	-44	-44	-46	-44	-45	-44	-45
-45	-44	-43	-45	-45	-45	-45	-43	-44
-44	-44	-44	-45	-45	-44	-45	-44	-44
-44	-44	-43	-44	-45	-44	-45	-44	-44
-45	-44	-44	-46	-45	-45	-45	-44	-45
-45	-44	-44	-45	-45	-45	-45	-44	-44
-44	-44	-44	-45	-45	-44	-45	-44	-43
-45	-43	-43	-45	-45	-44	-44	-44	-44
-45	-44	-44	-45	-45	-43	-45	-44	-43
-44	-44	-45	-43	-45	-44	-45	-43	-43
-43	-44	-43	-44	-46	-44	-46	-43	-43
-38	-41	-45	-48	-43	-41	-48	-38	-37
-45	-43	-43	-45	-45	-43	-46	-42	-43
-38	-43	-45	-48	-43	-37	-40	-45	-43
-45	-44	-43	-45	-44	-44	-44	-44	-44
-44	-44	-43	-46	-44	-45	-44	-44	-44
-45	-43	-44	-46	-45	-45	-44	-44	-44
-44	-43	-44	-45	-45	-44	-44	-45	-43
-44	-43	-43	-45	-45	-43	-45	-44	-43
-43	-44	-43	-44	-45	-45	-43	-44	-44
-44	-43	-42	-45	-43	-44	-43	-43	-44
-43	-44	-44	-45	-45	-43	-44	-43	-43

2

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUT3D DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C
197	68	26	-43	-44	-43	-43	-45
198	68	46	-43	-44	-44	-43	-44
199	69	6	-44	-44	-43	-43	-45
200	69	25	-42	-44	-43	-43	-45
201	69	45	-43	-44	-44	-43	-45
202	70	5	-44	-44	-44	-43	-44
203	70	25	-45	-43	-44	-43	-44
204	70	45	-43	-43	-43	-43	-44
205	71	5	-44	-44	-43	-43	-45
206	71	25	-44	-44	-43	-43	-45
207	71	45	-44	-43	-43	-43	-45
208	72	5	-44	-44	-43	-43	-45
209	72	25	-43	-44	-43	-42	-45
210	72	45	-43	-44	-44	-43	-45
211	73	5	-44	-44	-43	-43	-45
212	73	25	-43	-44	-44	-42	-45
213	73	45	-43	-44	-44	-43	-45
214	74	5	-42	-44	-44	-43	-44
215	74	25	-43	-44	-43	-43	-45
216	74	45	-43	-44	-44	-42	-45
217	75	5	-44	-44	-43	-42	-45
218	75	25	-43	-44	-44	-43	-44
219	75	45	-44	-44	-43	-43	-45
220	76	5	-43	-44	-43	-42	-45
221	76	25	-43	-44	-43	-43	-44
222	76	44	-43	-44	-43	-43	-44
223	77	4	-43	-43	-44	-43	-45
224	77	24	-43	-43	-43	-43	-44
225	77	44	-43	-43	-43	-43	-45
226	78	4	-43	-43	-44	-42	-44
227	78	24	-43	-43	-43	-43	-44
228	78	44	-41	-43	-43	-43	-44
229	79	4	-43	-44	-43	-43	-45
230	79	24	-43	-43	-43	-43	-44
231	79	44	-43	-43	-43	-42	-45
232	80	4	-43	-43	-43	-42	-45
233	80	24	-43	-43	-43	-43	-44
234	80	44	-43	-43	-42	-43	-44
235	81	4	-43	-42	-43	-43	-44
236	81	24	-42	-42	-43	-42	-43
237	81	44	-43	-43	-42	-42	-44
238	82	4	-43	-43	-42	-41	-44
239	82	24	-43	-43	-43	-43	-43
240	82	44	-42	-43	-43	-42	-43
241	83	4	-42	-43	-42	-42	-43
242	83	24	-42	-43	-42	-41	-43
243	83	44	-42	-43	-42	-41	-43
244	84	4	-43	-43	-41	-41	-43
245	84	24	-42	-43	-41	-41	-43
246	84	44	-41	-43	-42	-42	-43

-06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
UNT	SKIN	CASE	CASE	CASE	STG.2	STG.3	STG.3	STG.3
EMP	OUTBD	TEMP	TEMP	TEMP	4.30	3.00	4.30	6.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
-44	-43	-43	-45	-45	-45	-44	-44	-43
-44	-44	-43	-44	-45	-44	-44	-44	-43
44	-43	-43	-45	-44	-44	-45	-43	-44
44	-43	-43	-45	-46	-44	-44	-43	-44
44	-44	-43	-45	-45	-43	-45	-43	-44
44	-44	-43	-44	-45	-44	-43	-43	-44
43	-44	-43	-44	-46	-43	-44	-43	-44
43	-43	-43	-44	-45	-43	-44	-43	-44
44	-43	-43	-45	-44	-43	-44	-43	-44
44	-43	-43	-45	-45	-44	-44	-44	-43
43	-43	-43	-45	-44	-44	-45	-43	-43
44	-43	-43	-45	-45	-44	-45	-43	-44
44	-43	-42	-45	-44	-43	-43	-43	-43
44	-44	-43	-45	-45	-45	-44	-44	-44
44	-43	-43	-45	-45	-44	-44	-44	-44
44	-44	-42	-45	-44	-45	-44	-44	-44
44	-44	-43	-45	-43	-44	-44	-43	-43
44	-44	-43	-44	-44	-44	-44	-43	-44
44	-43	-43	-45	-45	-44	-44	-44	-43
44	-44	-42	-45	-45	-43	-44	-43	-43
44	-43	-42	-45	-44	-44	-44	-43	-43
44	-43	-43	-44	-44	-43	-44	-43	-44
43	-44	-43	-45	-44	-43	-43	-43	-43
43	-43	-43	-44	-45	-44	-43	-43	-43
43	-43	-43	-45	-44	-43	-43	-43	-43
43	-44	-42	-44	-44	-43	-43	-43	-43
43	-43	-43	-44	-44	-43	-43	-43	-43
43	-43	-43	-44	-44	-43	-44	-43	-44
44	-43	-43	-45	-43	-43	-43	-43	-43
43	-43	-43	-44	-43	-43	-43	-42	-43
43	-43	-42	-45	-43	-43	-43	-43	-43
43	-43	-42	-45	-44	-43	-43	-42	-43
43	-43	-43	-44	-45	-43	-43	-43	-42
43	-42	-43	-44	-44	-43	-43	-42	-43
42	-43	-43	-44	-43	-43	-43	-42	-43
42	-43	-42	-43	-43	-43	-43	-43	-43
43	-42	-42	-44	-43	-43	-43	-43	-43
43	-42	-41	-44	-43	-42	-43	-43	-43
43	-43	-43	-43	-43	-43	-43	-42	-43
43	-43	-42	-43	-43	-42	-43	-43	-43
43	-42	-42	-43	-43	-43	-43	-42	-43
43	-42	-41	-43	-43	-42	-43	-42	-42
43	-42	-41	-43	-43	-43	-43	-43	-42
43	-41	-41	-43	-43	-42	-43	-43	-42
43	-41	-41	-43	-43	-43	-43	-42	-43
43	-42	-42	-43	-43	-43	-42	-41	-42

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C
247	85	4	-43	-42	-42	-41	-45
248	85	24	-42	-43	-42	-42	-43
249	85	44	-42	-43	-41	-41	-43
250	86	4	-42	-42	-43	-42	-43
251	86	24	-42	-41	-41	-42	-43
252	86	44	-41	-42	-42	-40	-43
253	87	4	-42	-42	-41	-40	-43
254	87	24	-42	-42	-41	-41	-43
255	87	44	-41	-43	-41	-40	-43
256	88	4	-42	-42	-41	-41	-42
257	88	24	-41	-42	-42	-41	-43
258	88	44	-40	-42	-41	-40	-43
259	89	4	-41	-41	-40	-40	-43
260	89	24	-41	-42	-41	-40	-43
261	89	44	-41	-41	-40	-40	-43
262	90	4	-41	-42	-40	-40	-42
263	90	24	-41	-41	-41	-40	-43
264	90	44	-41	-41	-41	-40	-41
265	91	4	-41	-41	-40	-40	-42
266	91	25	-40	-41	-39	-39	-43
267	91	45	-40	-41	-41	-40	-43
268	92	5	-41	-40	-40	-38	-42
269	92	25	-41	-42	-40	-39	-42
270	92	45	-40	-41	-41	-37	-43
271	93	6	-41	-40	-39	-39	-42
272	93	26	-39	-41	-40	-38	-42
273	93	46	-40	-39	-38	-38	-42
274	94	6	-40	-40	-38	-38	-41
275	94	27	-40	-40	-39	-38	-42
276	94	47	-38	-40	-39	-39	-42
277	95	7	-38	-39	-39	-38	-40
278	95	28	-39	-39	-38	-38	-39
279	95	48	-40	-39	-38	-38	-41
280	96	9	-39	-39	-38	-38	-40
281	96	29	-39	-39	-38	-38	-40
282	96	49	-38	-38	-37	-38	-40
283	97	10	-38	-40	-36	-38	-40
284	97	30	-38	-38	-38	-38	-40
285	97	51	-38	-38	-37	-38	-40
286	98	11	-38	-38	-38	-38	-41
287	98	32	-38	-37	-37	-38	-40
288	98	52	-38	-38	-37	-37	-39
289	99	13	-38	-38	-37	-37	-40
290	99	34	-38	-38	-37	-38	-39
291	99	54	-38	-38	-37	-38	-40
292	100	15	-37	-38	-37	-36	-40
293	100	36	-37	-38	-37	-36	-38
294	100	56	-38	-37	-36	-36	-38
295	101	17	-38	-37	-36	-37	-38
296	101	38	-36	-37	-35	-37	-38

6/0

8-06 ENG.2 IGNIT XCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG C
-42	-42	-41	-45	-43	-42	-43	-42	-42
-43	-42	-42	-43	-41	-42	-42	-42	-42
-43	-41	-41	-43	-43	-43	-42	-42	-41
-42	-43	-42	-43	-43	-42	-41	-42	-42
-41	-41	-42	-43	-43	-41	-42	-41	-41
-42	-42	-40	-43	-43	-41	-42	-41	-41
-42	-41	-40	-43	-42	-42	-41	-42	-41
-42	-41	-41	-43	-43	-42	-42	-41	-41
-43	-41	-40	-43	-42	-42	-41	-41	-42
-42	-41	-41	-42	-43	-41	-43	-41	-42
-42	-42	-41	-43	-42	-41	-42	-42	-40
-42	-41	-40	-43	-42	-41	-41	-41	-40
-41	-40	-40	-43	-43	-41	-41	-42	-41
-42	-41	-40	-43	-42	-40	-41	-41	-41
-41	-40	-40	-43	-42	-41	-41	-41	-41
-42	-40	-40	-42	-42	-41	-41	-41	-40
-41	-41	-40	-43	-41	-41	-42	-41	-41
-41	-41	-40	-41	-43	-41	-41	-40	-40
-41	-40	-40	-42	-42	-40	-40	-40	-40
-41	-39	-39	-43	-42	-40	-40	-40	-40
-41	-41	-40	-43	-42	-40	-41	-40	-41
-40	-40	-38	-42	-43	-40	-40	-40	-40
-42	-40	-39	-42	-42	-40	-40	-40	-40
-41	-41	-37	-43	-41	-40	-41	-40	-40
-40	-39	-39	-42	-42	-40	-39	-39	-39
-41	-40	-38	-42	-41	-39	-39	-39	-38
-39	-38	-38	-42	-41	-39	-39	-39	-37
-40	-38	-38	-41	-41	-39	-39	-38	-37
-40	-39	-38	-42	-40	-39	-38	-38	-37
-40	-39	-39	-42	-41	-38	-38	-38	-38
-39	-39	-38	-40	-41	-37	-37	-37	-37
-39	-38	-38	-39	-41	-37	-36	-36	-35
-39	-38	-38	-41	-42	-38	-38	-36	-36
-39	-38	-38	-40	-41	-37	-38	-37	-35
-39	-38	-38	-40	-40	-36	-37	-36	-35
-38	-37	-38	-40	-41	-38	-37	-37	-34
-40	-36	-38	-40	-41	-36	-38	-35	-34
-38	-38	-38	-40	-39	-36	-36	-37	-35
-38	-37	-38	-40	-40	-36	-36	-36	-35
-38	-36	-38	-41	-40	-35	-35	-36	-34
-37	-37	-38	-40	-40	-36	-35	-34	-33
-38	-37	-37	-39	-40	-35	-36	-35	-33
-38	-37	-37	-40	-40	-37	-35	-35	-33
-38	-37	-36	-39	-40	-36	-36	-34	-34
-38	-37	-38	-40	-39	-36	-35	-34	-34
-38	-37	-36	-40	-39	-36	-35	-35	-33
-38	-37	-36	-38	-38	-34	-35	-33	-33
-37	-36	-36	-38	-38	-34	-35	-34	-33
-37	-36	-37	-38	-39	-34	-34	-33	-33
-37	-35	-37	-38	-38	-33	-36	-33	-32

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C
297	101	59	-37	-36	-35	-36	-39
298	102	20	-36	-36	-36	-35	-38
299	102	40	-37	-37	-35	-35	-38
300	103	1	-37	-37	-36	-36	-39
301	103	22	-36	-36	-35	-35	-37
302	103	43	-36	-36	-35	-35	-38
303	104	4	-36	-36	-36	-35	-37
304	104	25	-37	-35	-35	-35	-38
305	104	46	-36	-36	-35	-35	-38
306	104	59	-36	-37	-36	-35	-38
307	105	27	-36	-36	-36	-35	-38
308	105	48	-37	-36	-36	-35	-38
309	106	9	-36	-36	-35	-33	-37
310	106	30	-36	-36	-35	-34	-38
311	106	51	-35	-36	-35	-36	-37
312	107	12	-36	-35	-36	-34	-37
313	107	33	-36	-35	-34	-33	-38
314	107	54	-34	-35	-34	-35	-38
315	108	15	-35	-35	-35	-35	-36
316	108	36	-36	-35	-34	-34	-38
317	108	57	-36	-34	-33	-34	-37
318	109	18	-34	-34	-35	-33	-36
319	109	39	-35	-34	-35	-35	-37
320	110	0	-35	-34	-35	-33	-36
321	110	21	-35	-35	-34	-33	-38
322	110	42	-34	-34	-33	-32	-37
323	111	3	-35	-33	-34	-33	-37
324	111	24	-34	-34	-33	-34	-37
325	111	44	-35	-35	-34	-33	-36
326	112	5	-36	-33	-32	-33	-36
327	112	26	-33	-33	-33	-32	-35
328	112	47	-35	-33	-33	-33	-36
329	113	8	-33	-34	-33	-33	-36
330	113	29	-34	-33	-34	-33	-37
331	113	50	-34	-33	-33	-33	-37
332	114	10	-34	-34	-34	-33	-37
333	114	31	-33	-34	-33	-32	-37
334	114	52	-33	-34	-33	-33	-37
335	115	13	-32	-32	-33	-32	-37
336	115	34	-33	-35	-33	-33	-35
337	115	54	-33	-33	-33	-33	-36
338	116	15	-33	-33	-33	-33	-36
339	116	36	-33	-35	-32	-33	-35
340	116	57	-34	-33	-33	-32	-36
341	117	17	-33	-35	-33	-32	-36
342	117	38	-33	-33	-32	-33	-36
343	117	59	-33	-33	-33	-33	-35
344	118	19	-33	-33	-33	-32	-35
345	118	40	-33	-33	-33	-32	-35
346	119	1	-33	-33	-33	-32	-35

06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
IT	IGNIT	FUEL	LUBE	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
TR	EXCITR	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
NT	SKIN	CASE	CASE	CASE	STG.2	STG.3	STG.3	STG.3
MP	OUTBD	TEMP	TEMP	TEMP	4.30	3.00	4.30	6.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
36	-35	-36	-39	-38	-34	-34	-33	-32
36	-36	-35	-38	-38	-33	-34	-33	-32
37	-35	-35	-38	-38	-32	-33	-32	-32
37	-36	-36	-39	-39	-34	-33	-33	-33
36	-35	-35	-37	-38	-33	-33	-33	-32
36	-35	-35	-38	-38	-34	-33	-32	-33
36	-36	-35	-37	-38	-34	-34	-32	-31
35	-35	-35	-38	-38	-34	-33	-32	-33
36	-35	-35	-38	-38	-33	-33	-32	-33
37	-36	-35	-38	-38	-34	-32	-33	-32
36	-36	-35	-38	-37	-33	-33	-33	-32
36	-36	-35	-38	-39	-33	-32	-32	-31
36	-35	-33	-37	-38	-33	-33	-32	-32
36	-35	-34	-38	-38	-34	-33	-33	-33
36	-35	-36	-37	-39	-32	-32	-32	-32
35	-36	-34	-37	-38	-33	-33	-32	-31
35	-34	-33	-38	-38	-34	-32	-32	-31
35	-34	-35	-38	-38	-32	-31	-32	-32
35	-35	-35	-36	-38	-33	-32	-32	-32
35	-34	-34	-38	-37	-33	-32	-32	-32
34	-33	-34	-37	-36	-33	-32	-32	-31
34	-35	-33	-36	-38	-32	-32	-31	-30
34	-35	-35	-37	-37	-33	-33	-32	-32
34	-35	-33	-36	-38	-31	-33	-31	-32
35	-34	-33	-38	-38	-32	-32	-32	-31
34	-33	-32	-37	-37	-32	-32	-31	-31
33	-34	-33	-37	-38	-32	-31	-31	-31
34	-33	-34	-37	-38	-32	-32	-31	-30
35	-34	-33	-36	-37	-32	-31	-31	-31
33	-32	-33	-36	-37	-32	-31	-31	-30
33	-33	-32	-35	-38	-32	-31	-30	-30
33	-33	-33	-36	-37	-31	-31	-31	-30
34	-33	-33	-36	-38	-31	-31	-31	-30
33	-34	-33	-37	-37	-32	-31	-32	-30
33	-33	-33	-37	-37	-32	-30	-30	-31
34	-34	-33	-37	-38	-31	-32	-31	-30
34	-33	-32	-37	-37	-32	-30	-32	-30
34	-33	-33	-37	-36	-32	-31	-31	-32
32	-33	-32	-37	-37	-32	-31	-31	-31
33	-33	-33	-35	-38	-31	-32	-30	-30
33	-33	-33	-36	-37	-32	-30	-31	-30
33	-33	-33	-36	-37	-31	-33	-30	-31
33	-32	-33	-35	-36	-32	-32	-30	-31
33	-33	-32	-36	-38	-31	-32	-30	-30
33	-33	-32	-36	-37	-32	-31	-31	-31
33	-32	-33	-36	-37	-32	-32	-31	-31
33	-33	-33	-35	-37	-31	-32	-30	-30
33	-33	-32	-35	-37	-32	-32	-30	-31
33	-33	-32	-35	-36	-32	-31	-31	-31
33	-33	-32	-35	-37	-31	-32	-30	-30

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C
347	119	22	-34	-33	-33	-32	-35
348	119	42	-33	-33	-33	-33	-35
349	120	3	-33	-33	-33	-32	-36
350	120	24	-34	-33	-34	-32	-36
351	120	44	-33	-33	-32	-32	-35
352	121	5	-33	-33	-33	-32	-35
353	121	25	-33	-33	-33	-32	-35
354	121	46	-33	-33	-33	-32	-36
355	122	7	-33	-33	-32	-32	-35
356	122	27	-33	-33	-33	-32	-36
357	122	48	-33	-33	-33	-32	-35
358	123	8	-33	-33	-33	-32	-35
359	123	29	-33	-33	-33	-32	-34
360	123	49	-33	-33	-33	-32	-35
361	124	10	-33	-33	-33	-32	-35
362	124	30	-32	-33	-33	-32	-35
363	124	51	-33	-33	-33	-32	-35
364	125	11	-32	-33	-33	-32	-34
365	125	32	-33	-33	-33	-32	-34
366	125	52	-32	-33	-33	-32	-34
367	126	13	-33	-33	-33	-32	-35
368	126	33	-32	-33	-33	-32	-35
369	126	54	-32	-33	-33	-32	-35
370	127	14	-32	-33	-33	-32	-34
371	127	35	-32	-33	-33	-32	-36
372	127	55	-33	-33	-33	-32	-35
373	128	15	-32	-33	-33	-31	-34
374	128	36	-32	-33	-32	-32	-35
375	128	56	-33	-33	-33	-32	-35
376	129	17	-33	-33	-33	-32	-35
377	129	37	-33	-33	-33	-32	-35
378	129	57	-33	-33	-33	-32	-34
379	130	18	-33	-33	-33	-32	-35
380	130	38	-33	-33	-33	-32	-35
381	130	58	-32	-33	-33	-32	-35
382	131	19	-33	-33	-33	-32	-35
383	131	39	-33	-32	-33	-32	-34
384	131	59	-32	-33	-33	-32	-34
385	132	20	-32	-32	-32	-31	-34
386	132	40	-31	-32	-32	-31	-33
387	133	0	-32	-32	-33	-31	-33
388	133	21	-32	-32	-32	-32	-33
389	133	41	-32	-33	-32	-31	-33
390	134	1	-32	-33	-32	-32	-34
391	134	21	-33	-33	-32	-32	-34
392	134	42	-32	-33	-32	-32	-34
393	135	2	-32	-32	-32	-32	-34
394	135	22	-32	-33	-33	-31	-33
395	135	43	-32	-33	-32	-32	-34
396	136	3	-32	-33	-32	-31	-34

-06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
UNT	SKIN	CASE	CASE	CASE	STG.2	STG.3	STG.3	STG.3
EMP	OUTBD	TEMP	TEMP	TEMP	4.30	3.00	4.30	6.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
33	-33	-32	-35	-37	-31	-31	-31	-30
33	-33	-33	-35	-37	-32	-31	-31	-31
33	-33	-32	-36	-36	-32	-32	-31	-30
33	-34	-32	-36	-37	-32	-32	-31	-32
33	-32	-32	-35	-35	-32	-31	-30	-32
33	-33	-32	-35	-37	-32	-32	-31	-31
33	-33	-32	-35	-37	-32	-32	-30	-30
33	-33	-32	-36	-37	-32	-32	-30	-31
33	-32	-32	-35	-36	-32	-31	-31	-30
33	-33	-32	-36	-36	-32	-32	-31	-32
33	-33	-32	-35	-36	-32	-31	-31	-31
33	-33	-32	-35	-37	-32	-32	-30	-32
33	-33	-32	-34	-37	-32	-32	-31	-31
33	-33	-32	-35	-36	-32	-32	-30	-31
33	-33	-32	-35	-36	-32	-32	-30	-31
33	-33	-32	-35	-36	-32	-32	-31	-31
33	-33	-32	-35	-36	-31	-32	-30	-32
33	-33	-32	-34	-37	-32	-31	-31	-31
33	-33	-32	-34	-35	-32	-32	-31	-31
33	-33	-32	-34	-37	-32	-32	-32	-31
33	-33	-32	-35	-37	-32	-32	-31	-31
33	-33	-32	-35	-35	-32	-32	-31	-32
33	-33	-32	-35	-36	-32	-31	-31	-31
33	-33	-32	-34	-37	-32	-32	-31	-32
33	-33	-32	-36	-35	-32	-32	-30	-32
33	-33	-32	-35	-36	-32	-32	-31	-32
33	-33	-31	-34	-36	-32	-32	-31	-30
33	-32	-32	-35	-35	-32	-32	-31	-31
33	-33	-32	-35	-36	-32	-32	-31	-32
33	-33	-32	-35	-36	-32	-32	-31	-31
33	-33	-32	-35	-35	-32	-32	-32	-31
33	-33	-32	-34	-36	-32	-31	-31	-32
33	-33	-32	-35	-36	-32	-32	-32	-31
33	-33	-32	-35	-36	-32	-32	-32	-32
33	-33	-32	-35	-37	-32	-32	-32	-32
33	-33	-32	-35	-37	-32	-32	-31	-32
32	-33	-32	-34	-36	-32	-32	-31	-32
33	-33	-32	-34	-37	-32	-32	-31	-32
32	-32	-31	-34	-35	-31	-32	-30	-31
32	-32	-31	-33	-36	-31	-32	-30	-32
32	-33	-31	-33	-35	-32	-32	-31	-30
32	-32	-32	-33	-35	-32	-32	-31	-31
33	-32	-31	-33	-36	-32	-32	-31	-31
33	-32	-32	-34	-36	-32	-32	-31	-32
3	-32	-32	-34	-35	-32	-32	-30	-32
3	-32	-32	-34	-36	-32	-32	-31	-32
2	-32	-32	-34	-36	-32	-32	-32	-32
33	-33	-31	-33	-35	-32	-32	-31	-31
33	-32	-32	-34	-35	-32	-32	-31	-32
33	-32	-31	-34	-35	-32	-32	-32	-31

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C
397	136	23	-32	-33	-32	-32	-34
398	136	43	-32	-33	-32	-32	-34
399	137	4	-32	-33	-32	-32	-34
400	137	24	-32	-33	-32	-32	-34
401	137	44	-32	-33	-32	-32	-33
402	138	4	-33	-33	-33	-32	-35
403	138	25	-32	-33	-33	-31	-33
404	138	45	-32	-32	-32	-32	-35
405	139	5	-32	-32	-33	-31	-35
406	139	25	-32	-32	-32	-32	-35
407	139	45	-32	-33	-32	-32	-35
408	140	6	-32	-33	-32	-32	-33
409	140	26	-32	-33	-32	-32	-33
410	140	46	-33	-32	-32	-32	-35
411	141	6	-32	-32	-32	-31	-33
412	141	26	-32	-32	-32	-32	-34
413	141	47	-32	-33	-32	-32	-34
414	142	7	-32	-32	-32	-32	-34
415	142	27	-32	-32	-32	-31	-34
416	142	47	-32	-33	-33	-31	-34
417	143	7	-32	-32	-33	-32	-34
418	143	27	-32	-32	-32	-32	-33
419	143	48	-32	-33	-32	-32	-34
420	144	8	-33	-32	-32	-32	-33
421	144	28	-33	-32	-32	-31	-34
422	144	48	-33	-33	-32	-32	-34
423	145	8	-32	-33	-32	-32	-34
424	145	28	-32	-33	-32	-32	-34
425	145	48	-32	-33	-33	-32	-35
426	146	8	-32	-33	-32	-32	-34
427	146	27	-32	-33	-32	-32	-34
428	146	49	-32	-33	-32	-32	-33
429	147	9	-32	-33	-32	-32	-33
430	147	29	-33	-32	-32	-32	-33
431	147	49	-32	-33	-33	-32	-34
432	148	9	-32	-33	-33	-32	-33
433	148	29	-32	-32	-32	-32	-35
434	148	49	-32	-33	-33	-32	-34
435	149	9	-32	-33	-32	-32	-34
436	149	29	-32	-33	-32	-32	-33
437	149	50	-33	-32	-32	-32	-34
438	150	10	-32	-33	-33	-31	-34
439	150	30	-33	-33	-32	-32	-34
440	150	50	-32	-32	-32	-32	-34
441	151	10	-32	-33	-32	-32	-33
442	151	30	-33	-32	-33	-32	-34
443	151	50	-32	-33	-32	-32	-34
444	152	10	-32	-33	-32	-32	-34
445	*	*	*	*	*	*	*

8-06 G.2 NIT ITR UNT EMP G.C	8-07 ENG.2 IGNIT EXCITR SKIN OUTBD DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 LUBE PUMP CASE TEMP DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
33	-32	-32	-34	-35	-32	-32	-31	-32
33	-32	-32	-34	-36	-32	-32	-31	-32
33	-32	-32	-34	-35	-32	-32	-32	-32
33	-32	-32	-34	-35	-32	-32	-30	-32
33	-32	-32	-33	-35	-32	-32	-31	-32
33	-33	-32	-35	-35	-32	-32	-31	-32
33	-33	-31	-33	-35	-32	-32	-32	-32
32	-32	-32	-35	-35	-32	-32	-31	-32
32	-33	-31	-35	-34	-32	-32	-31	-32
32	-32	-32	-35	-35	-32	-32	-31	-32
33	-32	-32	-35	-35	-32	-32	-32	-32
33	-32	-32	-33	-36	-32	-32	-31	-32
33	-32	-32	-33	-36	-32	-32	-31	-32
32	-32	-32	-35	-35	-32	-32	-32	-31
32	-32	-31	-33	-35	-32	-32	-30	-32
32	-32	-32	-34	-35	-32	-32	-31	-31
33	-32	-32	-34	-35	-32	-32	-31	-32
32	-32	-32	-34	-35	-32	-32	-31	-32
32	-32	-31	-34	-35	-32	-32	-32	-32
33	-33	-31	-34	-35	-33	-32	-32	-32
32	-33	-32	-34	-34	-32	-32	-32	-32
32	-32	-32	-33	-36	-32	-32	-31	-32
33	-32	-32	-34	-35	-32	-33	-31	-32
32	-32	-32	-33	-35	-32	-32	-30	-32
32	-32	-31	-34	-35	-32	-32	-32	-32
33	-32	-32	-34	-35	-32	-32	-32	-32
33	-32	-32	-34	-35	-32	-32	-31	-32
33	-32	-32	-34	-36	-32	-33	-32	-32
33	-33	-32	-35	-35	-32	-33	-31	-32
33	-32	-32	-34	-35	-32	-32	-32	-32
33	-32	-32	-34	-35	-32	-32	-32	-31
33	-32	-32	-33	-35	-32	-32	-32	-32
33	-32	-32	-33	-34	-32	-32	-31	-32
32	-32	-32	-33	-35	-33	-32	-32	-32
33	-33	-32	-34	-35	-33	-32	-32	-32
33	-33	-32	-33	-35	-32	-32	-32	-32
32	-32	-32	-35	-34	-32	-33	-31	-32
33	-33	-32	-34	-34	-33	-32	-32	-32
33	-32	-32	-34	-35	-33	-32	-31	-32
33	-32	-32	-33	-35	-32	-32	-32	-32
32	-32	-32	-34	-35	-33	-32	-32	-32
33	-33	-31	-34	-34	-33	-32	-32	-32
33	-32	-32	-34	-36	-32	-33	-32	-33
32	-32	-32	-34	-35	-32	-33	-31	-32
33	-32	-32	-33	-34	-33	-32	-32	-32
32	-33	-32	-34	-35	-33	-32	-32	-32
33	-32	-32	-34	-35	-33	-32	-32	-32
33	-32	-32	-34	-34	-33	-32	-32	-32
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HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
1	0	19	-46	-45	-46	-45	-45
2	0	39	-46	-45	-45	-46	-45
3	0	59	-45	-45	-46	-44	-46
4	1	19	-46	-45	-46	-46	-46
5	1	39	-45	-44	-45	-45	-45
6	1	59	-46	-45	-45	-46	-45
7	2	19	-45	-45	-45	-45	-46
8	2	39	-46	-45	-45	-46	-45
9	2	59	-46	-45	-46	-46	-46
10	3	19	-46	-45	-44	-46	-45
11	3	39	-45	-44	-46	-46	-46
12	3	59	-47	-45	-46	-46	-46
13	4	19	-46	-46	-45	-46	-45
14	4	39	-46	-44	-46	-45	-46
15	4	59	-45	-45	-44	-46	-46
16	5	19	-46	-46	-45	-45	-46
17	5	39	-46	-45	-46	-45	-46
18	5	59	-46	-45	-45	-46	-46
19	6	19	-46	-45	-45	-46	-45
20	6	39	-45	-46	-46	-46	-46
21	6	59	-45	-44	-46	-45	-45
22	7	19	-46	-45	-46	-46	-45
23	7	39	-46	-45	-45	-46	-45
24	7	59	-46	-45	-46	-46	-45
25	8	18	-45	-46	-45	-45	-46
26	8	38	-45	-46	-46	-45	-46
27	8	58	-46	-45	-45	-45	-45
28	9	21	-46	-45	-46	-46	-45
29	9	41	-46	-45	-45	-46	-46
30	10	1	-45	-44	-46	-45	-46
31	10	21	-46	-46	-45	-45	-46
32	10	41	-46	-45	-45	-46	-46
33	11	1	-46	-46	-45	-44	-46
34	11	21	-45	-45	-46	-45	-45
35	11	41	-46	-45	-45	-46	-46
36	12	1	-46	-45	-46	-46	-46
37	15	38	-46	-45	-45	-46	-45
38	15	58	-46	-45	-46	-45	-46
39	16	18	-46	-45	-46	-45	-45
40	16	38	-45	-46	-45	-45	-46
41	16	58	-46	-46	-45	-44	-46
42	17	18	-45	-46	-46	-45	-46
43	17	38	-46	-45	-46	-46	-46
44	17	58	-45	-45	-46	-45	-46
45	18	18	-46	-46	-45	-45	-46

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	GAS GN	GAS GN	POWER
CSE	CSE	CSE	CSE	CSE	TURB	TURB	TURB	TURB
G.4	STG.4	STG.5	STG.5	STG.5	CASE	CASE	CASE	CASE
.30	6.00	3.00	4.30	6.00	4.00	8.00	12.00	4.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
45	-46	-45	-45	-46	-45	-45	-45	-46
45	-45	-46	-45	-45	-46	-45	-45	-46
45	-46	-44	-46	-46	-46	-46	-45	-46
45	-46	-46	-46	-45	-45	-46	-45	-45
44	-45	-45	-45	-46	-46	-45	-45	-46
46	-45	-46	-45	-46	-45	-45	-45	-46
45	-45	-45	-46	-46	-45	-45	-45	-46
45	-45	-46	-45	-46	-46	-45	-45	-46
45	-46	-46	-46	-46	-45	-46	-45	-46
45	-44	-46	-45	-46	-46	-46	-45	-46
44	-46	-46	-46	-46	-45	-45	-45	-45
45	-46	-46	-46	-46	-45	-46	-45	-46
46	-45	-46	-45	-47	-45	-45	-45	-46
44	-46	-45	-46	-47	-45	-45	-45	-47
45	-44	-46	-46	-45	-45	-46	-45	-46
46	-45	-45	-46	-46	-45	-46	-45	-46
45	-46	-45	-46	-45	-46	-45	-45	-45
45	-45	-46	-46	-45	-46	-45	-46	-46
45	-45	-46	-45	-46	-45	-46	-45	-45
46	-46	-46	-46	-46	-46	-45	-45	-44
44	-46	-45	-45	-47	-45	-46	-45	-46
45	-46	-46	-45	-46	-46	-46	-45	-45
45	-45	-46	-45	-46	-46	-46	-45	-45
45	-46	-46	-45	-46	-46	-46	-45	-46
46	-45	-45	-46	-46	-46	-45	-45	-43
46	-46	-45	-46	-46	-45	-45	-45	-46
45	-45	-45	-45	-45	-45	-45	-45	-46
45	-46	-46	-45	-46	-45	-46	-45	-45
45	-45	-46	-46	-45	-45	-46	-45	-46
46	-45	-44	-46	-45	-45	-44	-45	-46
45	-46	-45	-45	-45	-46	-46	-45	-46
45	-45	-46	-46	-45	-46	-46	-46	-45
45	-46	-46	-46	-46	-46	-46	-45	-45
45	-45	-46	-45	-46	-45	-46	-45	-45
45	-46	-45	-46	-47	-45	-45	-45	-46
45	-46	-45	-45	-46	-45	-45	-45	-46
46	-45	-45	-46	-45	-46	-45	-45	-46
46	-45	-44	-46	-46	-45	-46	-46	-46
46	-46	-45	-46	-46	-45	-46	-46	-46
45	-46	-46	-46	-46	-45	-46	-45	-46
45	-46	-45	-46	-46	-45	-45	-46	-46
46	-45	-45	-46	-46	-45	-46	-45	-45

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
46	18	38	-46	-46	-45	-46	-46
47	18	58	-46	-45	-45	-45	-45
48	19	18	-46	-46	-45	-45	-46
50	19	41	-45	-45	-44	-45	-45
51	20	1	-45	-44	-45	-44	-44
52	20	21	-45	-44	-45	-45	-44
53	20	42	-45	-44	-45	-45	-44
54	21	2	-44	-45	-45	-44	-45
55	21	22	-45	-45	-44	-45	-45
56	21	42	-44	-43	-45	-43	-45
57	22	2	-44	-44	-44	-45	-45
58	22	22	-44	-45	-43	-44	-45
59	22	42	-44	-43	-43	-44	-45
60	23	2	-45	-43	-44	-45	-45
61	23	22	-45	-45	-45	-45	-45
62	23	42	-45	-45	-44	-45	-45
63	24	2	-44	-45	-45	-44	-45
64	24	22	-44	-44	-44	-44	-44
65	24	27	-44	-43	-44	-44	-43
66	24	47	-46	-44	-45	-45	-45
67	25	8	-45	-44	-44	-45	-45
68	25	28	-45	-46	-45	-44	-45
69	25	48	-44	-44	-45	-44	-46
70	26	8	-45	-44	-45	-45	-44
71	26	28	-45	-45	-44	-45	-45
72	26	48	-45	-45	-44	-45	-45
73	27	8	-45	-45	-45	-45	-45
74	27	28	-45	-44	-44	-44	-45
75	27	48	-45	-44	-45	-45	-45
76	28	8	-45	-44	-45	-45	-44
77	28	28	-45	-44	-44	-45	-45
78	28	48	-45	-44	-44	-44	-45
79	29	8	-45	-45	-44	-44	-45
80	29	28	-45	-45	-44	-45	-45
81	29	48	-44	-45	-44	-44	-45
82	30	8	-45	-44	-45	-45	-45
83	30	28	-45	-45	-45	-45	-45
84	30	48	-45	-44	-45	-45	-45
85	31	8	-45	-45	-44	-45	-46
86	31	28	-45	-44	-45	-45	-45
87	31	48	-45	-43	-45	-45	-44
88	32	8	-45	-43	-45	-45	-46
89	32	28	-45	-46	-45	-44	-45
90	32	48	-45	-45	-44	-45	-45
91	33	8	-46	-45	-45	-44	-45
92	33	28	-45	-45	-44	-45	-45
93	33	48	-45	-45	-45	-45	-45
94	34	8	-45	-44	-45	-45	-45
95	34	29	-44	-44	-45	-45	-45
96	34	48	-45	-43	-45	-44	-44

-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	GAS GN	GAS GN	POWER
CSE	CSE	CSE	CSE	CSE	TURB	TURB	TURB	TURB
G.4	STG.4	STG.5	STG.5	STG.5	CASE	CASE	CASE	CASE
.30	6.00	3.00	4.30	6.00	4.00	8.00	12.00	4.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
-46	-45	-46	-46	-46	-46	-46	-45	-46
-45	-45	-45	-45	-46	-46	-45	-45	-46
-46	-45	-45	-46	-45	-46	-45	-46	-45
-45	-44	-45	-45	-44	-45	-45	-45	-44
-44	-45	-44	-44	-45	-44	-45	-44	-45
-44	-45	-45	-44	-45	-45	-45	-44	-45
-44	-45	-45	-44	-45	-45	-45	-44	-45
-45	-45	-44	-45	-44	-45	-44	-45	-45
-45	-44	-45	-45	-44	-45	-45	-45	-44
-43	-45	-43	-45	-45	-44	-44	-43	-45
-44	-44	-45	-45	-44	-45	-44	-43	-44
-45	-43	-44	-45	-43	-44	-44	-44	-45
-43	-43	-44	-45	-45	-45	-44	-44	-45
-43	-44	-45	-45	-44	-45	-45	-45	-44
-45	-45	-45	-45	-45	-44	-45	-45	-45
-45	-44	-45	-45	-45	-45	-45	-45	-45
-45	-45	-44	-45	-45	-45	-45	-45	-45
-44	-44	-44	-44	-44	-45	-44	-44	-45
-43	-44	-44	-43	-44	-43	-44	-43	-44
-44	-45	-45	-45	-45	-45	-45	-45	-45
-44	-44	-45	-45	-46	-45	-45	-45	-46
-45	-45	-44	-45	-45	-45	-45	-45	-45
-45	-45	-44	-46	-45	-45	-44	-45	-45
-44	-45	-45	-44	-45	-45	-45	-44	-45
-45	-44	-45	-45	-45	-45	-45	-45	-45
-45	-45	-45	-45	-44	-45	-45	-45	-46
-45	-44	-45	-45	-45	-44	-45	-45	-45
-44	-44	-44	-45	-46	-45	-43	-44	-45
-44	-45	-45	-45	-45	-45	-45	-44	-45
-44	-45	-45	-44	-45	-44	-45	-45	-45
-44	-44	-45	-45	-45	-45	-45	-44	-45
-44	-44	-44	-45	-45	-45	-44	-45	-44
-45	-44	-44	-45	-44	-44	-44	-45	-44
-44	-44	-45	-45	-44	-45	-45	-45	-44
-44	-44	-44	-45	-45	-46	-44	-45	-45
-44	-45	-45	-45	-45	-45	-45	-44	-45
-45	-45	-45	-45	-45	-45	-45	-45	-45
-44	-45	-45	-45	-45	-45	-45	-44	-45
-45	-45	-45	-45	-46	-45	-45	-44	-44
-44	-44	-45	-46	-45	-45	-45	-45	-45
-45	-45	-45	-45	-45	-45	-45	-44	-44
-45	-45	-45	-44	-45	-44	-45	-44	-45
-45	-45	-45	-46	-45	-45	-45	-44	-45
-45	-44	-45	-45	-45	-46	-44	-45	-45
-44	-45	-45	-44	-46	-45	-45	-45	-44
-45	-44	-45	-45	-44	-45	-45	-45	-45
-44	-45	-45	-44	-45	-45	-45	-45	-45
-45	-45	-45	-45	-45	-45	-45	-44	-45
-45	-45	-45	-46	-45	-45	-45	-44	-46
-45	-45	-45	-45	-44	-44	-44	-44	-45
-45	-44	-44	-46	-45	-44	-44	-44	-45

2

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
97	35	8	-44	-45	-44	-44	-45
98	35	28	-44	-44	-44	-44	-45
99	35	48	-44	-43	-46	-45	-44
100	36	8	-44	-44	-44	-45	-45
101	36	28	-45	-45	-43	-44	-44
102	36	48	-45	-44	-45	-45	-45
103	37	8	-44	-44	-45	-45	-45
104	37	28	-45	-44	-44	-45	-44
105	37	48	-45	-45	-44	-45	-45
106	38	8	-45	-44	-45	-45	-45
107	38	28	-45	-44	-44	-45	-45
108	38	48	-45	-45	-44	-45	-45
109	39	8	-45	-44	-45	-44	-46
110	39	28	-45	-44	-45	-43	-43
111	39	48	-45	-45	-44	-44	-45
112	40	8	-44	-45	-45	-44	-45
113	40	28	-44	-45	-45	-44	-45
114	40	48	-45	-45	-45	-45	-44
115	41	9	-44	-44	-45	-43	-45
116	41	28	-45	-45	-44	-45	-45
117	41	48	-45	-43	-45	-45	-45
118	42	8	-46	-45	-45	-43	-45
119	42	28	-45	-44	-45	-44	-45
120	42	48	-44	-44	-44	-45	-46
121	43	8	-45	-45	-44	-45	-45
122	43	28	-45	-44	-45	-44	-45
123	43	48	-44	-44	-45	-44	-44
124	44	8	-45	-45	-44	-44	-45
125	44	28	-45	-44	-44	-45	-45
126	44	48	-45	-44	-45	-45	-45
127	45	8	-45	-44	-45	-44	-44
128	45	28	-45	-44	-45	-44	-45
129	45	48	-46	-45	-45	-45	-45
130	46	8	-45	-44	-44	-45	-45
131	46	28	-45	-45	-45	-44	-45
132	46	48	-45	-44	-46	-45	-44
133	47	8	-44	-44	-45	-45	-45
134	47	26	-45	-44	-44	-45	-44
135	47	48	-45	-44	-46	-45	-44
136	48	8	-44	-44	-45	-44	-46
137	48	28	-45	-44	-45	-44	-45
138	48	48	-45	-44	-45	-45	-44
139	49	8	-45	-45	-44	-45	-45
140	49	28	-45	-45	-44	-45	-45
141	49	48	-45	-45	-44	-45	-45
142	50	8	-45	-44	-45	-45	-44
143	50	28	-45	-44	-44	-45	-44
144	50	48	-45	-45	-44	-44	-45
145	51	8	-45	-45	-45	-44	-45
146	51	27	-45	-45	-45	-44	-45

8-16 NG.2 MPRS CSE TG.4 4.30 EG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 GAS GN TURB CASE 8.00 DEG.C	8-24 ENG.2 GAS GN TURB CASE 12.00 DEG.C	8-25 ENG.2 POWER TURB CASE 4.00 DEG.C
-45	-44	-44	-45	-45	-45	-45	-44	-45
-44	-44	-44	-45	-45	-45	-44	-44	-45
-43	-46	-45	-44	-45	-45	-45	-44	-45
-44	-44	-45	-45	-44	-45	-45	-45	-44
-45	-43	-44	-44	-45	-45	-45	-44	-44
-44	-45	-45	-45	-44	-45	-45	-44	-45
-44	-45	-45	-45	-46	-45	-45	-45	-45
-44	-44	-45	-44	-45	-45	-45	-44	-46
-45	-44	-45	-45	-44	-45	-45	-45	-44
-44	-45	-45	-45	-46	-45	-45	-44	-45
-44	-44	-45	-45	-45	-46	-45	-45	-44
-45	-44	-45	-45	-44	-45	-45	-44	-45
-44	-45	-44	-46	-45	-45	-44	-44	-45
-44	-45	-43	-43	-45	-45	-45	-43	-45
-45	-44	-44	-45	-44	-45	-45	-44	-45
-45	-45	-44	-45	-44	-44	-43	-45	-45
-45	-45	-44	-45	-45	-45	-45	-45	-43
-45	-45	-45	-44	-45	-46	-45	-44	-45
-44	-45	-43	-45	-45	-45	-44	-44	-44
-45	-44	-45	-45	-45	-45	-45	-45	-45
-43	-45	-45	-45	-45	-44	-46	-43	-44
-45	-45	-43	-45	-45	-45	-44	-45	-45
-44	-45	-44	-45	-45	-44	-44	-44	-45
-44	-44	-45	-46	-44	-45	-44	-45	-45
-45	-44	-45	-45	-44	-46	-45	-44	-44
-44	-45	-44	-45	-45	-45	-45	-44	-45
-44	-45	-44	-44	-45	-43	-45	-44	-46
-45	-44	-44	-45	-46	-46	-45	-45	-44
-44	-44	-45	-45	-46	-45	-45	-44	-45
-44	-45	-45	-45	-45	-45	-45	-44	-46
-44	-45	-44	-44	-46	-45	-45	-44	-45
-44	-45	-45	-45	-46	-44	-45	-45	-44
-45	-45	-45	-45	-46	-46	-45	-44	-43
-44	-44	-45	-45	-45	-45	-44	-44	-45
-45	-45	-44	-45	-45	-45	-45	-44	-45
-44	-46	-45	-44	-45	-45	-45	-44	-45
-44	-45	-44	-45	-45	-45	-45	-45	-44
-44	-45	-44	-44	-45	-46	-45	-45	-45
-45	-44	-45	-45	-45	-46	-45	-45	-45
-45	-44	-45	-45	-44	-45	-45	-44	-44
-44	-45	-45	-44	-45	-46	-45	-45	-45
-44	-45	-44	-45	-46	-45	-45	-45	-46
-45	-45	-44	-45	-45	-44	-45	-45	-44
-45	-45	-44	-44	-44	-44	-45	-45	-45

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
147	51	47	-45	-43	-45	-45	-45
148	52	7	-45	-43	-45	-45	-44
149	52	27	-45	-44	-44	-45	-45
150	52	47	-45	-45	-45	-44	-45
151	53	7	-45	-44	-44	-44	-44
152	53	27	-44	-44	-45	-44	-45
153	53	47	-44	-43	-45	-44	-44
154	54	7	-45	-44	-45	-45	-44
155	54	27	-44	-44	-44	-43	-43
156	54	47	-44	-44	-44	-44	-45
157	55	7	-45	-44	-45	-44	-45
158	55	27	-45	-44	-45	-44	-45
159	55	47	-44	-43	-45	-45	-45
160	56	7	-44	-44	-44	-44	-45
161	56	27	-45	-44	-45	-45	-43
162	56	47	-44	-44	-43	-43	-44
163	57	7	-45	-44	-45	-44	-44
164	57	27	-45	-43	-45	-44	-45
165	57	47	-45	-43	-45	-43	-43
166	58	7	-44	-43	-45	-45	-44
167	58	27	-45	-44	-44	-45	-43
168	58	47	-44	-44	-44	-44	-44
169	59	7	-45	-43	-44	-44	-44
170	59	27	-45	-43	-45	-44	-45
171	59	47	-45	-43	-44	-46	-44
172	60	7	-44	-43	-44	-44	-45
173	60	27	-45	-45	-45	-44	-45
174	60	47	-44	-44	-45	-44	-45
175	61	7	-43	-43	-44	-43	-45
176	61	26	-44	-45	-44	-44	-44
177	61	46	-44	-44	-44	-44	-43
178	62	6	-45	-43	-44	-44	-45
179	62	26	-45	-45	-44	-44	-44
180	62	46	-44	-44	-43	-43	-45
181	63	6	-45	-44	-45	-43	-44
182	63	26	-45	-44	-45	-44	-43
183	63	46	-46	-43	-44	-44	-43
184	64	6	-45	-44	-43	-45	-44
185	64	26	-45	-43	-43	-43	-38
186	64	46	-45	-43	-41	-48	-46
187	65	6	-45	-43	-45	-41	-41
188	65	26	-38	-41	-47	-41	-44
189	65	46	-45	-43	-44	-44	-43
190	66	6	-43	-43	-44	-43	-43
191	66	26	-44	-43	-43	-44	-43
192	66	46	-45	-44	-45	-43	-43
193	67	6	-44	-42	-44	-43	-42
194	67	26	-44	-43	-43	-43	-43
195	67	46	-45	-44	-43	-43	-44
196	68	6	-43	-44	-43	-43	-44

8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 GAS GN TURB CASE 8.00 DEG.C	8-24 ENG.2 GAS GN TURB CASE 12.00 DEG.C	8-25 ENG.2 POWER TURB CASE 4.00 DEG.C
-43	-45	-45	-45	-45	-45	-45	-44	-45
-43	-45	-45	-44	-45	-45	-45	-44	-45
-44	-44	-45	-45	-45	-46	-45	-44	-45
-45	-45	-44	-45	-45	-45	-44	-45	-45
-44	-44	-44	-44	-45	-45	-44	-44	-45
-44	-45	-44	-45	-45	-45	-45	-44	-45
-43	-45	-44	-44	-45	-45	-44	-44	-45
-44	-45	-45	-44	-45	-45	-45	-44	-45
-44	-44	-43	-43	-45	-45	-44	-44	-44
-44	-44	-44	-45	-45	-44	-45	-44	-45
-44	-45	-44	-45	-45	-45	-45	-44	-45
-44	-45	-44	-45	-45	-44	-45	-44	-45
-43	-45	-45	-45	-44	-45	-44	-44	-45
-44	-44	-44	-45	-45	-44	-44	-44	-45
-44	-45	-45	-43	-44	-45	-45	-44	-45
-44	-43	-43	-44	-45	-44	-44	-44	-45
-44	-45	-44	-44	-45	-44	-45	-44	-45
-43	-45	-44	-45	-45	-45	-44	-44	-45
-43	-45	-43	-45	-44	-44	-44	-43	-44
-43	-45	-45	-43	-45	-44	-45	-44	-45
-44	-44	-45	-44	-45	-45	-45	-44	-45
-44	-44	-45	-43	-45	-45	-45	-43	-44
-43	-44	-44	-44	-45	-45	-45	-44	-44
-43	-45	-44	-45	-44	-45	-45	-45	-44
-43	-44	-46	-45	-44	-44	-45	-45	-44
-43	-44	-44	-44	-44	-45	-44	-45	-45
-45	-45	-44	-45	-45	-44	-44	-45	-45
-44	-45	-44	-45	-45	-45	-44	-45	-45
-43	-44	-43	-45	-44	-45	-44	-45	-44
-45	-44	-44	-45	-44	-45	-45	-44	-44
-44	-44	-44	-44	-44	-44	-45	-44	-45
-43	-44	-44	-43	-44	-45	-45	-44	-44
-45	-44	-44	-45	-44	-45	-45	-44	-44
-44	-43	-43	-44	-44	-45	-45	-44	-45
-44	-45	-43	-45	-45	-44	-45	-44	-45
-44	-45	-44	-44	-45	-44	-44	-44	-44
-43	-44	-45	-43	-44	-44	-45	-44	-44
-43	-43	-44	-44	-43	-44	-45	-45	-44
-43	-41	-48	-38	-46	-46	-42	-45	-46
-43	-45	-41	-46	-48	-43	-41	-47	-43
-41	-47	-41	-41	-47	-43	-41	-45	-47
-43	-44	-44	-44	-44	-44	-42	-43	-44
-43	-44	-43	-43	-44	-45	-45	-45	-45
-43	-43	-44	-43	-45	-44	-44	-43	-44
-44	-45	-43	-43	-44	-43	-44	-43	-45
-42	-44	-43	-42	-44	-44	-45	-44	-45
-43	-43	-43	-43	-44	-44	-44	-44	-44
-44	-43	-43	-44	-44	-44	-45	-44	-44
-44	-43	-43	-44	-43	-45	-45	-44	-44

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
197	68	26	-44	-43	-44	-44	-43
198	68	46	-44	-44	-45	-44	-44
199	69	6	-43	-43	-45	-43	-43
200	69	25	-44	-43	-43	-43	-44
201	69	45	-44	-43	-44	-44	-44
202	70	5	-44	-44	-43	-43	-44
203	70	25	-43	-43	-44	-44	-44
204	70	45	-43	-43	-43	-43	-44
205	71	5	-43	-43	-43	-43	-43
206	71	25	-44	-43	-43	-43	-43
207	71	45	-43	-43	-43	-43	-43
208	72	5	-44	-43	-44	-44	-43
209	72	25	-44	-44	-43	-43	-43
210	72	45	-43	-43	-43	-43	-45
211	73	5	-44	-43	-45	-43	-43
212	73	25	-42	-43	-43	-44	-43
213	73	45	-44	-42	-43	-44	-43
214	74	5	-43	-43	-43	-43	-44
215	74	25	-44	-44	-43	-44	-44
216	74	45	-44	-43	-44	-43	-43
217	75	5	-44	-42	-44	-44	-43
218	75	25	-44	-42	-43	-43	-43
219	75	45	-44	-43	-43	-44	-43
220	76	5	-44	-43	-44	-43	-43
221	76	25	-43	-43	-43	-43	-42
222	76	44	-43	-44	-43	-43	-43
223	77	4	-43	-43	-43	-43	-43
224	77	24	-44	-43	-44	-43	-43
225	77	44	-44	-43	-45	-44	-43
226	78	4	-43	-43	-43	-43	-43
227	78	24	-44	-43	-43	-43	-43
228	78	44	-43	-41	-43	-42	-43
229	79	4	-43	-42	-43	-43	-43
230	79	24	-43	-43	-43	-43	-42
231	79	44	-43	-43	-43	-42	-43
232	80	4	-44	-43	-43	-43	-43
233	80	24	-43	-42	-43	-43	-43
234	80	44	-43	-43	-43	-43	-43
235	81	4	-43	-43	-43	-42	-43
236	81	24	-43	-43	-43	-43	-42
237	81	44	-42	-42	-43	-42	-42
238	82	4	-43	-42	-43	-43	-42
239	82	24	-43	-43	-42	-43	-43
240	82	44	-43	-42	-43	-42	-42
241	83	4	-43	-43	-43	-43	-43
242	83	24	-43	-43	-43	-42	-43
243	83	44	-43	-42	-43	-43	-41
244	84	4	-43	-42	-43	-42	-42
245	84	24	-43	-41	-42	-42	-42
246	84	44	-42	-42	-42	-42	-42

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8-16 NG.2 MPRS CSE TG.4 4.30 EG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 GAS GN TURB CASE 8.00 DEG.C	8-24 ENG.2 GAS GN TURB CASE 12.00 DEG.C	8-25 ENG.2 POWER TURB CASE 4.00 DEG.C
-43	-44	-44	-43	-43	-44	-45	-45	-44
-44	-45	-44	-44	-45	-44	-44	-45	-45
-43	-45	-43	-43	-45	-45	-45	-44	-44
-43	-43	-43	-44	-44	-45	-45	-44	-44
-43	-44	-44	-44	-43	-45	-43	-44	-45
-44	-43	-43	-44	-43	-44	-44	-45	-44
-43	-44	-44	-44	-44	-44	-44	-44	-45
-43	-43	-43	-44	-44	-45	-44	-44	-44
-43	-43	-43	-43	-44	-45	-45	-44	-44
-43	-43	-43	-43	-43	-44	-45	-44	-45
-43	-43	-43	-43	-44	-45	-45	-44	-44
-43	-44	-44	-43	-44	-44	-45	-43	-44
-44	-43	-43	-43	-43	-44	-44	-45	-44
-43	-43	-43	-45	-44	-45	-44	-44	-44
-43	-45	-43	-43	-45	-44	-45	-44	-44
-43	-43	-44	-43	-44	-45	-44	-44	-44
-42	-43	-44	-43	-45	-43	-44	-43	-44
-43	-43	-43	-44	-44	-45	-44	-44	-44
-44	-43	-44	-44	-44	-44	-44	-44	-45
-43	-44	-43	-43	-43	-45	-44	-43	-45
-42	-44	-44	-43	-44	-44	-45	-44	-44
-42	-43	-43	-43	-43	-45	-44	-44	-43
-43	-43	-44	-43	-44	-44	-44	-43	-44
-43	-44	-43	-43	-44	-44	-45	-43	-44
-43	-43	-43	-42	-45	-44	-44	-44	-44
-44	-43	-43	-43	-43	-44	-44	-44	-43
-43	-43	-43	-43	-43	-45	-44	-44	-44
-43	-44	-43	-43	-43	-44	-44	-44	-44
-43	-45	-44	-43	-44	-44	-44	-44	-45
-43	-43	-43	-43	-43	-45	-44	-43	-43
-43	-43	-43	-43	-43	-44	-44	-44	-44
-41	-43	-42	-43	-43	-45	-44	-43	-43
-42	-43	-43	-43	-43	-43	-44	-43	-44
-43	-43	-43	-42	-43	-43	-44	-43	-43
-43	-43	-42	-43	-44	-44	-45	-43	-44
-43	-43	-43	-43	-44	-45	-43	-44	-44
-42	-43	-43	-43	-43	-45	-45	-44	-43
-43	-43	-43	-43	-44	-44	-44	-43	-44
-43	-43	-42	-43	-44	-44	-44	-43	-43
-43	-43	-43	-42	-44	-44	-44	-43	-43
-42	-43	-42	-42	-43	-43	-44	-43	-44
-42	-43	-43	-42	-43	-44	-44	-43	-44
-43	-42	-43	-43	-43	-44	-43	-43	-43
-42	-43	-42	-42	-43	-44	-44	-43	-43
-43	-43	-43	-43	-42	-44	-44	-44	-43
-43	-43	-42	-43	-43	-44	-44	-43	-43
-42	-43	-43	-41	-43	-43	-43	-43	-44
-42	-43	-42	-42	-43	-43	-43	-42	-43
-41	-42	-42	-42	-42	-43	-43	-43	-43
-42	-42	-42	-42	-42	-43	-43	-43	-42

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
247	85	4	-42	-42	-42	-42	-42
248	85	24	-42	-42	-43	-43	-41
249	85	44	-42	-41	-43	-42	-41
250	86	4	-41	-41	-41	-42	-41
251	86	24	-41	-42	-42	-43	-41
252	86	44	-41	-42	-41	-41	-41
253	87	4	-42	-41	-42	-42	-42
254	87	24	-42	-42	-42	-42	-41
255	87	44	-42	-41	-42	-42	-40
256	88	4	-42	-42	-41	-41	-41
257	88	24	-42	-41	-42	-42	-40
258	88	44	-42	-42	-42	-41	-40
259	89	4	-41	-41	-42	-42	-41
260	89	24	-42	-41	-41	-41	-41
261	89	44	-42	-40	-41	-41	-40
262	90	4	-41	-39	-42	-41	-40
263	90	24	-41	-41	-41	-40	-40
264	90	44	-42	-40	-41	-41	-41
265	91	4	-41	-40	-42	-41	-39
266	91	25	-42	-41	-40	-40	-39
267	91	45	-41	-41	-41	-40	-39
268	92	5	-40	-41	-41	-41	-40
269	92	25	-41	-39	-40	-40	-39
270	92	45	-40	-40	-40	-39	-39
271	93	6	-40	-40	-40	-39	-39
272	93	26	-40	-39	-40	-40	-38
273	93	46	-40	-38	-39	-40	-38
274	94	6	-38	-37	-40	-38	-38
275	94	27	-40	-38	-39	-38	-38
276	94	47	-38	-38	-39	-38	-38
277	95	7	-39	-36	-39	-38	-37
278	95	28	-36	-38	-38	-38	-37
279	95	48	-38	-36	-38	-37	-37
280	96	9	-37	-37	-38	-38	-37
281	96	29	-37	-36	-38	-37	-36
282	96	49	-36	-37	-36	-36	-36
283	97	10	-37	-36	-37	-37	-35
284	97	30	-36	-37	-36	-35	-35
285	97	51	-37	-36	-36	-36	-36
286	98	11	-35	-36	-35	-35	-35
287	98	32	-36	-35	-36	-35	-34
288	98	52	-37	-35	-36	-34	-36
289	99	13	-36	-35	-35	-35	-35
290	99	34	-35	-34	-36	-36	-35
291	99	54	-36	-34	-36	-35	-34
292	100	15	-36	-35	-36	-36	-34
293	100	36	-36	-35	-35	-34	-34
294	100	56	-35	-34	-34	-35	-34
295	101	17	-34	-34	-35	-34	-33
296	101	38	-34	-33	-35	-33	-34

8-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
NG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
MPRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	GAS GN	GAS GN	POWER
CSE	CSE	CSE	CSE	CSE	TURB	TURB	TURB	TURB
TG.4	STG.4	STG.5	STG.5	STG.5	CASE	CASE	CASE	CASE
4.30	6.00	3.00	4.30	6.00	4.00	8.00	12.00	4.00
EG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
-42	-42	-42	-42	-42	-43	-43	-43	-42
-42	-43	-43	-41	-43	-43	-44	-43	-43
-41	-43	-42	-41	-43	-43	-43	-43	-43
-41	-41	-42	-41	-42	-42	-43	-43	-42
-42	-42	-43	-41	-42	-43	-43	-43	-43
-42	-41	-41	-41	-41	-43	-43	-43	-43
-41	-42	-42	-42	-42	-43	-43	-43	-41
-42	-42	-42	-41	-42	-43	-43	-43	-41
-41	-42	-42	-40	-42	-43	-42	-42	-43
-42	-41	-41	-41	-42	-43	-43	-43	-42
-41	-42	-42	-40	-42	-42	-43	-43	-43
-42	-42	-41	-40	-42	-42	-43	-43	-41
-41	-42	-42	-41	-42	-42	-43	-43	-43
-41	-41	-41	-41	-41	-42	-43	-43	-42
-40	-41	-41	-40	-41	-42	-43	-41	-41
-39	-42	-41	-40	-42	-43	-43	-43	-42
-41	-41	-40	-40	-40	-42	-42	-41	-43
-40	-41	-41	-41	-41	-43	-42	-43	-42
-40	-42	-41	-39	-42	-42	-42	-42	-42
-41	-40	-40	-39	-41	-42	-42	-41	-42
-41	-41	-40	-39	-40	-43	-42	-43	-41
-41	-41	-41	-40	-42	-41	-42	-42	-42
-39	-40	-40	-39	-41	-41	-41	-42	-41
-40	-40	-39	-39	-41	-41	-42	-43	-41
-40	-40	-39	-39	-40	-41	-42	-42	-41
-39	-40	-40	-38	-40	-41	-41	42	-40
-38	-39	-40	-38	-39	-41	-42	-41	-41
-37	-40	-38	-38	-39	-41	-42	-41	-41
-38	-39	-38	-38	-38	-41	-41	-42	-41
-38	-39	-38	-38	-38	-41	-41	-41	-40
-36	-39	-38	-37	-38	-41	-42	-39	-40
-38	-38	-38	-37	-38	-40	-42	-41	-39
-38	-38	-37	-37	-37	-41	-41	-41	-40
-38	-38	-38	-37	-38	-41	-40	-41	-40
-36	-38	-37	-36	-37	-40	-41	-41	-40
-37	-36	-36	-36	-37	-40	-40	-41	-40
-36	-37	-37	-35	-37	-40	-40	-40	-38
-37	-36	-35	-35	-37	-40	-41	-40	-40
-36	-36	-36	-36	-36	-39	-39	-40	-39
-36	-35	-35	-35	-35	-40	-41	-39	-40
-35	-36	-35	-34	-35	-39	-41	-40	-39
-35	-36	-34	-36	-34	-39	-40	-40	-38
-35	-35	-35	-35	-36	-40	-40	-40	-37
-34	-36	-36	-35	-35	-38	-40	-39	-38
-34	-36	-35	-34	-36	-39	-41	-40	-38
-35	-36	-36	-34	-34	-38	-40	-40	-38
-35	-35	-34	-34	-34	-38	-39	-39	-38
-34	-34	-35	-34	-34	-38	-39	-38	-37
-34	-35	-34	-33	-34	-37	-40	-39	-38
-33	-35	-33	-34	-33	-38	-38	-39	-38

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
297	101	59	-34	-35	-34	-35	-33
298	102	20	-35	-33	-33	-33	-33
299	102	40	-35	-34	-33	-33	-33
300	103	1	-33	-34	-34	-33	-33
301	103	22	-34	-33	-33	-33	-33
302	103	43	-33	-33	-33	-35	-33
303	104	4	-33	-33	-33	-33	-33
304	104	25	-34	-33	-33	-32	-33
305	104	46	-33	-33	-34	-34	-33
306	104	59	-33	-33	-33	-33	-33
307	105	27	-33	-33	-33	-33	-33
308	105	48	-33	-33	-33	-33	-33
309	106	9	-34	-33	-33	-33	-33
310	106	30	-33	-32	-33	-33	-32
311	106	51	-33	-32	-33	-32	-32
312	107	12	-32	-32	-33	-32	-32
313	107	33	-32	-33	-32	-33	-32
314	107	54	-32	-33	-33	-32	-31
315	108	15	-33	-32	-33	-30	-32
316	108	36	-32	-33	-32	-32	-32
317	108	57	-32	-32	-32	-32	-31
318	109	18	-32	-32	-32	-32	-32
319	109	39	-32	-32	-32	-32	-32
320	110	0	-32	-32	-32	-32	-32
321	110	21	-32	-32	-32	-32	-30
322	110	42	-32	-32	-33	-32	-31
323	111	3	-32	-32	-32	-32	-31
324	111	24	-32	-32	-32	-31	-30
325	111	44	-31	-32	-31	-32	-30
326	112	5	-32	-32	-31	-32	-30
327	112	26	-31	-31	-31	-32	-30
328	112	47	-32	-31	-31	-31	-30
329	113	8	-32	-32	-32	-31	-30
330	113	29	-32	-32	-32	-30	-32
331	113	50	-31	-32	-32	-31	-30
332	114	10	-30	-31	-32	-31	-31
333	114	31	-31	-32	-31	-31	-31
334	114	52	-31	-30	-32	-31	-30
335	115	13	-30	-31	-30	-32	-30
336	115	34	-31	-31	-31	-31	-31
337	115	54	-32	-32	-30	-31	-30
338	116	15	-31	-31	-31	-32	-30
339	116	35	-30	-32	-31	-31	-31
340	116	57	-31	-31	-32	-31	-31
341	117	17	-32	-32	-32	-32	-30
342	117	38	-31	-32	-31	-32	-31
343	117	59	-31	-31	-32	-31	-30
344	118	19	-31	-31	-32	-31	-31
345	118	40	-32	-31	-32	-31	-31
346	119	1	-32	-31	-32	-31	-30

8-16 ENG.2 COMPPS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 GAS GN TURB CASE 8.00 DEG.C	8-24 ENG.2 GAS GN TURB CASE 12.00 DEG.C	8-25 ENG.2 POWER TURB CASE 4.00 DEG.C
-35	-34	-35	-33	-34	-36	-38	-40	-37
-33	-33	-33	-33	-34	-38	-40	-40	-38
-34	-33	-33	-33	-33	-38	-38	-38	-38
-34	-34	-33	-33	-33	-36	-38	-38	-36
-33	-33	-33	-33	-33	-37	-38	-39	-37
-33	-33	-35	-33	-33	-38	-37	-38	-36
-33	-33	-33	-33	-33	-37	-38	-40	-38
-33	-33	-32	-33	-33	-37	-38	-38	-37
-33	-34	-34	-33	-33	-36	-38	-38	-37
-33	-33	-33	-33	-33	-36	-38	-38	-36
-33	-33	-33	-33	-33	-36	-37	-38	-36
-33	-33	-33	-33	-33	-37	-38	-39	-37
-33	-33	-33	-33	-33	-36	-38	-38	-36
-32	-33	-33	-32	-33	-38	-36	-38	-36
-32	-33	-32	-32	-32	-38	-37	-38	-36
-32	-33	-32	-32	-32	-37	-37	-38	-36
-33	-32	-33	-32	-32	-36	-37	-38	-36
-33	-33	-32	-31	-33	-36	-37	-38	-37
-32	-33	-30	-32	-32	-35	-37	-37	-37
-33	-32	-32	-32	-32	-35	-38	-38	-36
-32	-32	-32	-31	-32	-35	-37	-37	-33
-32	-32	-32	-32	-32	-34	-36	-38	-35
-32	-32	-32	-32	-32	-36	-37	-38	-35
-32	-32	-32	-32	-31	-34	-37	-36	-35
-32	-32	-32	-30	-32	-34	-36	-37	-34
-32	-33	-32	-31	-33	-35	-35	-37	-36
-32	-32	-32	-31	-32	-35	-36	-36	-36
-32	-32	-31	-30	-32	-34	-37	-36	-35
-32	-31	-32	-30	-32	-34	-36	-37	-34
-32	-31	-32	-30	-31	-34	-37	-37	-37
-31	-31	-32	-30	-31	-33	-36	-35	-35
-31	-31	-31	-30	-32	-33	-36	-36	-34
-32	-32	-31	-30	-31	-34	-36	-36	-34
-32	-32	-30	-32	-31	-34	-36	-36	-34
-32	-32	-31	-30	-30	-35	-35	-36	-34
-31	-32	-31	-31	-31	-34	-35	-36	-33
-32	-31	-31	-31	-30	-34	-35	-36	-36
-30	-32	-31	-30	-32	-33	-36	-35	-34
-31	-30	-32	-30	-32	-34	-36	-36	-34
-31	-31	-31	-31	-30	-33	-35	-37	-34
-32	-30	-31	-30	-32	-35	-35	-35	-34
-31	-31	-32	-30	-31	-34	-36	-36	-33
-32	-31	-31	-31	-32	-33	-35	-35	-33
-31	-32	-31	-31	-31	-34	-35	-35	-35
-32	-32	-32	-30	-32	-33	-37	-35	-35
-32	-31	-32	-31	-31	-34	-36	-35	-33
-31	-32	-31	-30	-32	-33	-35	-35	-34
-31	-32	-31	-31	-31	-33	-35	-35	-34
-31	-32	-31	-31	-31	-34	-35	-35	-33
-31	-32	-31	-30	-32	-33	-35	-35	-34

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
347	119	22	-32	-31	-32	-31	-31
348	119	42	-31	-32	-31	-32	-29
349	120	3	-31	-31	-32	-32	-31
350	120	24	-32	-31	-32	-31	-31
351	120	44	-31	-32	-31	-31	-30
352	121	5	-32	-32	-32	-32	-31
353	121	25	-32	-32	-32	-32	-31
354	121	46	-32	-31	-32	-31	-32
355	122	7	-32	-32	-32	-30	-32
356	122	27	-31	-31	-32	-32	-31
357	122	48	-31	-32	-31	-31	-31
358	123	8	-31	-30	-30	-31	-31
359	123	29	-30	-32	-32	-31	-31
360	123	49	-31	-31	-32	-32	-30
361	124	10	-31	-30	-32	-31	-30
362	124	30	-32	-32	-31	-31	-31
363	124	51	-31	-31	-30	-30	-30
364	125	11	-32	-31	-31	-31	-31
365	125	32	-32	-31	-32	-31	-31
366	125	52	-32	-32	-32	-32	-30
367	126	13	-32	-32	-31	-32	-31
368	126	33	-31	-32	-32	-31	-32
369	126	54	-32	-32	-31	-32	-31
370	127	14	-32	-32	-32	-32	-31
371	127	35	-31	-31	-32	-31	-32
372	127	55	-31	-31	-32	-32	-31
373	128	15	-31	-32	-32	-30	-30
374	128	36	-32	-30	-32	-32	-30
375	128	56	-31	-32	-32	-31	-32
376	129	17	-31	-32	-32	-31	-32
377	129	37	-32	-31	-32	-32	-31
378	129	57	-32	-32	-32	-32	-31
379	130	18	-32	-31	-32	-32	-31
380	130	38	-32	-31	-32	-31	-32
381	130	58	-32	-32	-32	-32	-32
382	131	19	-32	-31	-32	-31	-32
383	131	39	-32	-32	-32	-31	-32
384	131	59	-32	-32	-32	-31	-32
385	132	20	-31	-31	-30	-30	-32
386	132	40	-30	-31	-30	-30	-31
387	133	0	-30	-30	-31	-31	-31
388	133	21	-32	-30	-31	-31	-31
389	133	41	-31	-31	-32	-31	-31
390	134	1	-31	-32	-32	-31	-32
391	134	21	-32	-32	-31	-31	-32
392	134	42	-31	-31	-32	-31	-32
393	135	2	-32	-30	-32	-31	-31
394	135	22	-31	-32	-31	-31	-32
395	135	43	-32	-32	-32	-31	-31
396	136	3	-32	-31	-32	-32	-31

-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
C.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	GAS GN	GAS GN	POWER
CSE	CSE	CSE	CSE	CSE	TURB	TURB	TURB	TURB
G.4	STG.4	STG.5	STG.5	STG.5	CASE	CASE	CASE	CASE
.30	6.00	3.00	4.30	6.00	4.00	8.00	12.00	4.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
31	-32	-31	-31	-31	-33	-35	-35	-34
32	-31	-32	-29	-31	-33	-34	-35	-35
31	-32	-32	-31	-31	-33	-35	-35	-34
31	-32	-31	-31	-31	-34	-35	-35	-34
32	-31	-31	-30	-32	-33	-35	-35	-34
32	-32	-32	-31	-32	-33	-35	-35	-34
32	-32	-32	-31	-31	-34	-35	-35	-33
31	-32	-31	-32	-31	-34	-35	-35	-35
32	-32	-30	-32	-31	-34	-35	-35	-33
31	-32	-32	-31	-32	-33	-35	-35	-34
32	-31	-31	-31	-31	-34	-34	-35	-33
30	-30	-31	-31	-32	-33	-34	-35	-33
32	-32	-31	-31	-31	-34	-34	-35	-33
31	-32	-32	-30	-31	-34	-35	-35	-34
30	-32	-31	-30	-32	-33	-34	-34	-33
32	-31	-31	-31	-31	-34	-35	-35	-33
31	-30	-30	-30	-32	-34	-34	-34	-33
31	-31	-31	-31	-31	-33	-35	-35	-33
31	-32	-31	-31	-31	-33	-35	-34	-33
32	-32	-32	-30	-31	-33	-35	-34	-33
32	-31	-32	-31	-31	-32	-34	-34	-34
32	-32	-31	-32	-31	-35	-34	-35	-34
32	-31	-32	-31	-32	-34	-35	-34	-33
32	-32	-32	-31	-32	-34	-35	-35	-35
31	-32	-31	-32	-32	-35	-35	-35	-32
31	-32	-32	-31	-32	-33	-34	-34	-33
32	-32	-30	-30	-31	-33	-33	-33	-33
32	-32	-32	-30	-32	-33	-34	-33	-33
32	-32	-31	-32	-32	-34	-33	-35	-33
32	-32	-31	-32	-32	-34	-35	-34	-34
31	-32	-32	-31	-32	-33	-35	-35	-35
32	-32	-32	-31	-32	-33	-35	-35	-34
31	-32	-32	-31	-32	-34	-35	-34	-34
31	-32	-31	-32	-32	-34	-35	-34	-34
32	-32	-32	-32	-32	-35	-34	-35	-33
32	-32	-31	-32	-32	-34	-35	-34	-33
32	-32	-31	-32	-32	-34	-34	-34	-35
32	-32	-31	-32	-32	-33	-34	-34	-34
30	-30	-30	-32	-31	-33	-33	-34	-32
30	-30	-30	-31	-31	-32	-33	-33	-33
31	-31	-31	-31	-32	-33	-33	-33	-34
31	-31	-31	-31	-31	-33	-34	-33	-33
32	-31	-31	-32	-32	-34	-33	-33	-33
32	-31	-32	-32	-32	-33	-34	-34	-34
31	-31	-32	-32	-32	-33	-34	-34	-32
32	-31	-32	-32	-32	-33	-34	-34	-34
32	-31	-31	-32	-32	-33	-34	-34	-34
31	-31	-32	-32	-34	-35	-33	-34	
32	-31	-31	-31	-34	-34	-34	-34	
32	-32	-31	-31	-34	-35	-35	-33	

2

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
397	136	23	-32	-32	-32	-31	-32
398	136	43	-32	-32	-32	-31	-32
399	137	4	-32	-32	-32	-31	-32
400	137	24	-32	-31	-31	-32	-32
401	137	44	-32	-32	-31	-32	-32
402	138	4	-32	-32	-32	-32	-31
403	138	25	-32	-31	-32	-32	-31
404	138	45	-32	-32	-32	-32	-31
405	139	5	-32	-31	-32	-32	-31
406	139	25	-32	-32	-31	-30	-32
407	139	45	-32	-32	-32	-32	-32
408	140	6	-32	-31	-31	-31	-32
409	140	26	-32	-31	-32	-30	-32
410	140	46	-32	-32	-32	-32	-31
411	141	6	-32	-32	-31	-30	-32
412	141	26	-32	-31	-31	-32	-31
413	141	47	-32	-32	-31	-32	-32
414	142	7	-32	-32	-31	-31	-32
415	142	27	-32	-30	-31	-32	-32
416	142	47	-32	-32	-31	-32	-32
417	143	7	-32	-31	-32	-32	-31
418	143	27	-32	-32	-31	-32	-32
419	143	48	-32	-32	-32	-31	-32
420	144	8	-32	-32	-32	-31	-32
421	144	28	-32	-32	-32	-31	-32
422	144	48	-32	-32	-32	-32	-32
423	145	8	-31	-32	-31	-31	-32
424	145	28	-32	-32	-32	-32	-32
425	145	48	-32	-32	-31	-31	-32
426	146	8	-32	-32	-32	-31	-32
427	146	27	-32	-32	-32	-31	-32
428	146	49	-32	-32	-31	-32	-32
429	147	9	-32	-32	-31	-32	-32
430	147	29	-32	-32	-32	-32	-32
431	147	49	-32	-32	-32	-32	-32
432	148	9	-32	-31	-32	-32	-32
433	148	29	-32	-32	-32	-31	-32
434	148	49	-32	-32	-32	-32	-32
435	149	9	-32	-32	-32	-31	-32
436	149	29	-32	-32	-32	-31	-32
437	149	50	-32	-31	-32	-32	-32
438	150	10	-33	-31	-32	-31	-32
439	150	30	-32	-32	-32	-31	-32
440	150	50	-32	-32	-32	-32	-33
441	151	10	-32	-32	-32	-32	-32
442	151	30	-32	-32	-32	-32	-32
443	151	50	-32	-31	-32	-32	-32
444	152	10	-32	-32	-32	-32	-32
445	*	*	*	*	*	*	*

8-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
NG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
MPRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	GAS GN	GAS GN	POWER
CSE	CSE	CSE	CSE	CSE	TURB	TURB	TURB	TURB
TG.4	STG.4	STG.5	STG.5	STG.5	CASE	CASE	CASE	CASE
4.30	6.00	3.00	4.30	6.00	4.00	8.00	12.00	4.00
EG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
-32	-32	-31	-32	-32	-34	-34	-34	-34
-32	-32	-31	-32	-32	-33	-34	-34	-34
-32	-32	-31	-32	-32	-34	-34	-34	-34
-31	-31	-32	-32	-32	-34	-34	-34	-34
-32	-31	-32	-32	-31	-34	-34	-34	-33
-32	-32	-32	-31	-32	-33	-34	-33	-35
-31	-32	-32	-31	-32	-33	-34	-34	-34
-32	-32	-32	-31	-32	-33	-34	-34	-35
-31	-32	-32	-31	-31	-34	-34	-33	-34
-32	-31	-30	-32	-32	-35	-34	-34	-34
-32	-32	-32	-32	-32	-33	-34	-34	-34
-31	-31	-31	-32	-32	-34	-33	-34	-34
-31	-32	-30	-32	-32	-33	-35	-33	-34
-32	-32	-32	-31	-31	-33	-34	-33	-34
-32	-31	-30	-32	-32	-34	-34	-33	-35
-31	-31	-32	-31	-32	-34	-33	-33	-33
-32	-31	-32	-32	-32	-34	-34	-33	-34
-32	-31	-31	-32	-31	-34	-34	-34	-33
-30	-31	-32	-32	-32	-34	-34	-34	-33
-32	-31	-32	-32	-32	-34	-34	-34	-34
-31	-32	-32	-31	-32	-34	-34	-33	-34
-32	-31	-32	-32	-32	-35	-34	-34	-34
-32	-32	-31	-32	-32	-34	-35	-34	-34
-32	-32	-31	-32	-32	-33	-34	-34	-33
-32	-32	-31	-32	-33	-33	-34	-34	-35
-32	-32	-32	-32	-32	-34	-35	-34	-34
-32	-31	-31	-32	-32	-34	-34	-34	-33
-32	-32	-32	-32	-32	-34	-34	-34	-34
-32	-31	-31	-32	-32	-34	-34	-33	-35
-32	-32	-31	-32	-32	-34	-35	-34	-33
-32	-32	-31	-32	-32	-35	-35	-34	-34
-32	-31	-32	-32	-32	-34	-34	-34	-34
-32	-31	-32	-32	-32	-34	-34	-33	-35
-32	-32	-32	-32	-32	-34	-33	-33	-34
-32	-32	-32	-32	-33	-33	-34	-33	-35
-31	-32	-32	-32	-32	-35	-34	-34	-33
-32	-32	-31	-32	-32	-34	-33	-34	-33
-32	-32	-32	-32	-32	-34	-34	-34	-34
-32	-32	-31	-32	-32	-34	-35	-34	-33
-32	-32	-31	-32	-32	-34	-34	-34	-34
-31	-32	-32	-32	-32	-34	-34	-33	-35
-31	-32	-31	-32	-32	-34	-35	-33	-34
-32	-32	-31	-32	-32	-35	-34	-34	-34
-32	-32	-32	-33	-32	-35	-34	-33	-34
-32	-32	-32	-32	-33	-34	-34	-33	-34
-32	-32	-32	-32	-33	-35	-34	-34	-34
-31	-32	-32	-32	-32	-34	-33	-34	-34
-32	-32	-32	-32	-32	-34	-34	-33	-35
-32	-32	-31	-32	-32	-34	-33	-34	-35
-32	-32	-32	-32	-32	-34	-34	-34	-34
-32	-32	-31	-32	-32	-34	-35	-34	-33
-32	-32	-31	-32	-32	-34	-34	-34	-34
-31	-32	-32	-32	-32	-34	-34	-33	-35
-31	-32	-31	-32	-32	-34	-35	-33	-34
-32	-32	-31	-32	-32	-35	-34	-34	-34
-32	-32	-32	-33	-32	-35	-34	-33	-34
-32	-32	-32	-32	-33	-34	-34	-33	-34
-32	-32	-32	-32	-33	-35	-34	-34	-34
-31	-32	-32	-32	-32	-34	-33	-34	-34
-32	-32	-32	-32	-32	-35	-34	-33	-35
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
23 MAY 1970
RUN NO. 19 -65 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
1	0	19	-45	-45	-45
2	0	39	-46	-45	-45
3	0	59	-45	-44	-45
4	1	19	-45	-45	-45
5	1	39	-46	-45	-45
6	1	59	-45	-45	-44
7	2	19	-46	-45	-45
8	2	39	-46	-46	-45
9	2	59	-45	-46	-45
10	3	19	-46	-46	-45
11	3	39	-45	-45	-45
12	3	59	-46	-46	-45
13	4	19	-45	-44	-46
14	4	39	-45	-45	-45
15	4	59	-45	-45	-45
16	5	19	-46	-45	-45
17	5	39	-46	-45	-45
18	5	59	-46	-45	-46
19	6	19	-45	-44	-46
20	6	39	-46	-45	-45
21	6	59	-46	-45	-45
22	7	19	-45	-46	-46
23	7	39	-46	-45	-45
24	7	59	-46	-45	-45
25	8	18	-44	-45	-45
26	8	38	-46	-45	-46
27	8	58	-45	-45	-45
28	9	21	-46	-46	-45
29	9	41	-45	-45	-45
30	10	1	-46	-45	-45
31	10	21	-45	-45	-46
32	10	41	-45	-45	-46
33	11	1	-45	-45	-46
34	11	21	-46	-45	-45
35	11	41	-45	-46	-46
36	12	1	-45	-45	-45
37	15	38	-45	-45	-45
38	15	58	-45	-45	-45
39	16	18	-45	-45	-45
40	16	38	-46	-44	-45
41	16	58	-45	-44	-46
42	17	18	-46	-45	-46
43	17	38	-45	-45	-45
44	17	58	-46	-45	-45
45	18	18	-46	-45	-46

229

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
46	18	38	-45	-45	-45
47	18	58	-46	-45	-45
48	19	18	-45	-45	-46
50	19	41	-45	-43	-45
51	20	1	-44	-44	-44
52	20	21	-44	-43	-44
53	20	42	-45	-45	-44
54	21	2	-45	-43	-44
55	21	22	-45	-44	-44
56	21	42	-44	-44	-43
57	22	2	-45	-43	-44
58	22	22	-44	-44	-45
59	22	42	-44	-44	-44
60	23	2	-44	-44	-44
61	23	22	-44	-44	-44
62	23	42	-45	-44	-44
63	24	2	-45	-44	-45
64	24	22	-45	-44	-45
65	24	27	-43	-43	-43
66	24	47	-44	-44	-45
67	25	8	-45	-44	-45
68	25	28	-45	-43	-45
69	25	48	-45	-44	-45
70	26	8	-45	-44	-45
71	26	28	-46	-44	-45
72	26	48	-45	-45	-44
73	27	8	-44	-44	-45
74	27	28	-45	-44	-45
75	27	48	-45	-44	-44
76	28	8	-45	-44	-44
77	28	28	-45	-44	-45
78	28	48	-44	-44	-44
79	29	8	-44	-44	-44
80	29	28	-45	-45	-45
81	29	48	-45	-44	-45
82	30	8	-45	-45	-44
83	30	28	-45	-44	-44
84	30	48	-45	-45	-44
85	31	8	-45	-43	-45
86	31	28	-44	-44	-44
87	31	48	-46	-45	-44
88	32	8	-45	-44	-43
89	32	28	-44	-44	-45
90	32	48	-45	-45	-45
91	33	8	-45	-44	-45
92	33	28	-46	-44	-44
93	33	48	-44	-43	-44
94	34	8	-45	-45	-44
95	34	28	-45	-44	-45
96	34	48	-44	-44	-44

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
97	35	8	-43	-44	-44
98	35	28	-45	-44	-45
99	35	48	-45	-44	-44
100	36	8	-45	-43	-44
101	36	28	-45	-44	-45
102	36	48	-44	-45	-43
103	37	8	-45	-45	-44
104	37	28	-45	-45	-44
105	37	48	-44	-44	-45
106	38	8	-45	-44	-43
107	38	28	-46	-44	-45
108	38	48	-45	-44	-44
109	39	8	-45	-43	-45
110	39	28	-44	-44	-45
111	39	48	-45	-43	-45
112	40	8	-45	-44	-45
113	40	28	-45	-44	-45
114	40	48	-45	-44	-44
115	41	8	-44	-44	-45
116	41	28	-45	-44	-45
117	41	48	-45	-45	-44
118	42	8	-45	-45	-45
119	42	28	-44	-43	-45
120	42	48	-45	-43	-45
121	43	8	-44	-44	-44
122	43	28	-45	-44	-44
123	43	48	-44	-44	-43
124	44	8	-45	-44	-45
125	44	28	-45	-44	-44
126	44	48	-43	-44	-44
127	45	8	-45	-44	-45
128	45	28	-45	-44	-45
129	45	48	-45	-45	-44
130	46	8	-45	-44	-45
131	46	28	-44	-43	-45
132	46	48	-45	-44	-44
133	47	8	-45	-44	-45
134	47	28	-45	-44	-45
135	47	48	-45	-45	-44
136	48	8	-45	-43	-44
137	48	28	-44	-44	-45
138	48	48	-45	-44	-45
139	49	8	-44	-44	-45
140	49	28	-45	-45	-44
141	49	48	-44	-44	-44
142	50	8	-45	-44	-44
143	50	28	-45	-44	-45
144	50	48	-45	-44	-44
145	51	8	-44	-43	-45
146	51	27	-45	-44	-45

529

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
147	51	47	-45	-44	-45
148	52	7	-45	-44	-45
149	52	27	-44	-43	-45
150	52	47	-45	-44	-44
151	53	7	-44	-44	-44
152	53	27	-44	-44	-44
153	53	47	-44	-44	-43
154	54	7	-45	-44	-44
155	54	27	-45	-43	-44
156	54	47	-45	-44	-44
157	55	7	-45	-44	-45
158	55	27	-43	-44	-44
159	55	47	-44	-43	-44
160	56	7	-45	-43	-44
161	56	27	-44	-45	-44
162	56	47	-45	-44	-44
163	57	7	-44	-43	-44
164	57	27	-44	-43	-44
165	57	47	-44	-44	-44
166	58	7	-44	-44	-45
167	58	27	-44	-45	-44
168	58	47	-44	-43	-44
169	59	7	-44	-44	-45
170	59	27	-44	-44	-44
171	59	47	-45	-44	-43
172	60	7	-45	-43	-44
173	60	27	-44	-44	-44
174	60	47	-44	-44	-43
175	61	7	-45	-44	-45
176	61	26	-44	-44	-45
177	61	46	-44	-43	-44
178	62	6	-43	-43	-44
179	62	26	-45	-44	-44
180	62	46	-44	-43	-44
181	63	6	-44	-45	-44
182	63	26	-44	-44	-44
183	63	46	-45	-44	-44
184	64	6	-43	-43	-43
185	64	26	-44	-43	-45
186	64	46	-41	-45	-43
187	65	6	-41	-45	-47
188	65	26	-43	-42	-45
189	65	46	-44	-43	-44
190	66	6	-44	-43	-44
191	66	26	-44	-43	-43
192	66	46	-44	-43	-42
193	67	6	-44	-42	-43
194	67	26	-43	-43	-44
195	67	46	-44	-43	-44
196	68	6	-44	-43	-44

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
197	68	26	-43	-43	-43
198	68	46	-44	-43	-43
199	69	6	-44	-44	-43
200	69	25	-45	-43	-43
201	69	45	-44	-43	-43
202	70	5	-44	-43	-44
203	70	25	-43	-43	-43
204	70	45	-44	-43	-43
205	71	5	-43	-43	-43
206	71	25	-43	-44	-43
207	71	45	-43	-43	-43
208	72	5	-44	-43	-43
209	72	25	-44	-43	-43
210	72	45	-45	-44	-43
211	73	5	-44	-43	-43
212	73	25	-44	-43	-43
213	73	45	-43	-43	-43
214	74	5	-45	-43	-43
215	74	25	-43	-43	-43
216	74	45	-43	-44	-43
217	75	5	-44	-43	-43
218	75	25	-43	-43	-42
219	75	45	-43	-43	-43
220	76	5	-44	-43	-43
221	76	25	-45	-43	-43
222	76	44	-43	-43	-43
223	77	4	-43	-43	-43
224	77	24	-43	-44	-43
225	77	44	-43	-43	-43
226	78	4	-43	-43	-43
227	78	24	-43	-43	-43
228	78	44	-43	-43	-43
229	79	4	-43	-43	-42
230	79	24	-43	-43	-43
231	79	44	-43	-43	-43
232	80	4	-43	-42	-42
233	80	24	-43	-43	-43
234	80	44	-43	-43	-42
235	81	4	-43	-42	-41
236	81	24	-43	-42	-43
237	81	44	-43	-43	-43
238	82	4	-43	-43	-42
239	82	24	-43	-43	-43
240	82	44	-39	-43	-43
241	83	4	-43	-42	-42
242	83	24	-43	-43	-42
243	83	44	-42	-43	-42
244	84	4	-42	-43	-42
245	84	24	-43	-43	-39
246	84	44	-43	-43	-42

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
247	85	4	-43	-42	-41
248	85	24	-43	-42	-42
249	85	44	-41	-42	-42
250	86	4	-42	-43	-40
251	86	24	-41	-42	-41
252	86	44	-42	-42	-41
253	87	4	-42	-42	-41
254	87	24	-42	-42	-41
255	87	44	-42	-42	-40
256	88	4	-43	-41	-41
257	88	24	-41	-42	-40
258	88	44	-41	-41	-40
259	89	4	-41	-42	-39
260	89	24	-42	-41	-41
261	89	44	-42	-41	-41
262	90	4	-41	-41	-41
263	90	24	-41	-42	-39
264	90	44	-42	-41	-40
265	91	4	-41	-41	-39
266	91	25	-41	-41	-39
267	91	45	-40	-41	-39
268	92	5	-39	-42	-39
269	92	25	-40	-39	-38
270	92	45	-40	-40	-38
271	93	6	-40	-40	-38
272	93	26	-40	-40	-38
273	93	46	-40	-40	-37
274	94	6	-40	-39	-37
275	94	27	-40	-41	-38
276	94	47	-40	-40	-37
277	95	7	-39	-40	-38
278	95	28	-40	-40	-38
279	95	48	-40	-40	-37
280	96	9	-39	-39	-37
281	96	29	-39	-38	-35
282	96	49	-38	-38	-36
283	97	10	-39	-39	-37
284	97	30	-39	-39	-37
285	97	51	-38	-39	-36
286	98	11	-39	-39	-37
287	98	32	-38	-40	-36
288	98	52	-38	-39	-37
289	99	13	-38	-39	-36
290	99	34	-38	-39	-37
291	99	54	-38	-39	-36
292	100	15	-38	-38	-35
293	100	36	-38	-38	-35
294	100	56	-38	-38	-35
295	101	17	-38	-37	-35
296	101	38	-37	-38	-35

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HARNESS TEMP DEG.C
297	101	59	-37	-38	-35
298	102	20	-38	-38	-35
299	102	40	-38	-37	-34
300	103	1	-38	-38	-34
301	103	22	-37	-37	-33
302	103	43	-37	-38	-33
303	104	4	-37	-38	-34
304	104	25	-37	-37	-34
305	104	46	-36	-38	-34
306	104	59	-36	-37	-34
307	105	27	-38	-38	-33
308	105	48	-36	-37	-33
309	106	9	-37	-37	-34
310	106	30	-36	-37	-33
311	106	51	-36	-36	-33
312	107	12	-36	-37	-34
313	107	33	-37	-36	-35
314	107	54	-37	-36	-34
315	108	15	-37	-37	-33
316	108	36	-37	-37	-33
317	108	57	-34	-37	-32
318	109	18	-36	-37	-33
319	109	39	-36	-37	-33
320	110	0	-36	-36	-33
321	110	21	-36	-36	-32
322	110	42	-36	-37	-32
323	111	3	-35	-36	-32
324	111	24	-35	-36	-33
325	111	46	-34	-36	-32
326	112	5	-34	-35	-32
327	112	26	-35	-36	-33
328	112	47	-35	-35	-32
329	113	8	-33	-36	-32
330	113	29	-34	-37	-32
331	113	50	-36	-35	-32
332	114	10	-35	-36	-32
333	114	31	-34	-36	-32
334	114	52	-35	-35	-32
335	115	13	-34	-34	-32
336	115	34	-35	-35	-32
337	115	54	-35	-36	-32
338	116	15	-34	-33	-32
339	116	36	-35	-34	-32
340	116	57	-35	-34	-33
341	117	17	-35	-35	-32
342	117	38	-34	-35	-32
343	117	59	-34	-34	-31
344	118	19	-35	-34	-32
345	118	40	-35	-35	-32
346	119	1	-34	-34	-32

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
347	119	22	-35	-34	-32
348	119	42	-34	-35	-31
349	120	3	-35	-34	-32
350	120	24	-34	-34	-32
351	120	44	-34	-34	-31
352	121	5	-34	-34	-32
353	121	25	-34	-35	-31
354	121	46	-34	-35	-32
355	122	7	-34	-34	-31
356	122	27	-34	-35	-32
357	122	48	-34	-34	-30
358	123	8	-33	-33	-32
359	123	29	-33	-34	-32
360	123	49	-33	-34	-31
361	124	10	-33	-33	-30
362	124	30	-34	-34	-31
363	124	51	-34	-34	-31
364	125	11	-34	-33	-32
365	125	32	-33	-33	-30
366	125	52	-33	-34	-31
367	126	13	-34	-34	-32
368	126	33	-33	-34	-31
369	126	54	-34	-34	-32
370	127	14	-33	-35	-31
371	127	35	-33	-34	-30
372	127	55	-33	-35	-31
373	128	15	-33	-33	-31
374	128	36	-33	-32	-30
375	128	56	-34	-33	-31
376	129	17	-34	-33	-32
377	129	37	-34	-34	-32
378	129	57	-34	-34	-32
379	130	18	-33	-34	-32
380	130	38	-33	-33	-32
381	130	58	-33	-33	-32
382	131	19	-34	-33	-31
383	131	39	-33	-33	-32
384	131	59	-33	-33	-32
385	132	20	-33	-33	-31
386	132	40	-33	-32	-31
387	133	0	-32	-32	-30
388	133	21	-33	-32	-30
389	133	41	-32	-33	-31
390	134	1	-34	-33	-31
391	134	21	-33	-33	-32
392	134	42	-34	-33	-31
393	135	2	-33	-33	-31
394	135	22	-33	-32	-31
395	135	43	-33	-33	-31
396	136	3	-33	-33	-31

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 POWER TURB CASE 12.00 DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
397	136	23	-33	-33	-31
398	136	43	-33	-32	-31
399	137	4	-33	-32	-31
400	137	24	-33	-33	-31
401	137	44	-33	-33	-32
402	138	4	-33	-33	-32
403	138	25	-33	-32	-31
404	138	45	-33	-33	-32
405	139	5	-33	-33	-31
406	139	25	-34	-33	-32
407	139	45	-33	-33	-32
408	140	6	-34	-32	-32
409	140	26	-33	-32	-31
410	140	46	-33	-32	-31
411	141	6	-32	-32	-32
412	141	26	-32	-32	-32
413	141	47	-33	-32	-32
414	142	7	-33	-33	-32
415	142	27	-33	-32	-31
416	142	47	-34	-33	-31
417	143	7	-33	-33	-32
418	143	27	-33	-32	-32
419	143	48	-33	-33	-31
420	144	8	-33	-33	-32
421	144	28	-33	-33	-31
422	144	48	-33	-33	-31
423	145	8	-33	-32	-32
424	145	28	-33	-33	-32
425	145	48	-33	-32	-32
426	146	8	-33	-32	-31
427	146	27	-33	-33	-31
428	146	49	-34	-32	-32
429	147	9	-34	-33	-32
430	147	29	-33	-33	-31
431	147	49	-34	-33	-32
432	148	9	-33	-32	-32
433	148	29	-33	-33	-32
434	148	49	-34	-33	-31
435	149	9	-33	-33	-31
436	149	29	-34	-32	-32
437	149	50	-33	-32	-32
438	150	10	-33	-33	-32
439	150	30	-34	-32	-32
440	150	50	-33	-32	-32
441	151	10	-33	-33	-32
442	151	30	-34	-32	-32
443	151	50	-34	-33	-32
444	152	10	-33	-33	-32
445	*	*	*	*	*

RUN 21, 125°F, 28 May 1970
(Includes second stage hydraulic system cooling data)
Soak time 35 hours

RUN 21 +125°F 28 MAY 70

Test Synopsis:

This run was chosen to present 125°F test data. The marginal power of the APP was evident as APP automatic shutdown occurred during this run due to opening of the high exhaust gas temperature circuit breaker when the APP was subjected to the load of motoring an engine (such as for starting).

The second stage hydraulic system cooling problem (static rotors) was demonstrated during this run. This occurred after counter number 259 when the main rotor stopped turning after engine shutdown. The second stage hydraulic system continued to be pressurized to the end of the run, a period of 11 minutes. Portions of the second stage hydraulic system exceeded 275°F (135°C), as can be seen by referencing parameters 4-12 through 4-16 at counter number 280 and beyond.

Pertinent information.

Engine No. 1 had -13 fuel control and no EAPS.

Engine No. 2 was inoperable because of nose gearbox which failed during a previous run (run 18, -65°F, 21 May 1970).

Test parameters not connected or not presented.

1-4-Free air temperature (not connected).

1-6-Engine No. 1 fuel flow (not connected).

1-11-Engine No. 2 fuel flow (not connected).

2-18-Main wheel brake return hydraulic pressure (not connected).

2-19 through 2-26-Heater output airflow differential pressure (not presented).

Box 8, engine No. 2 surface temperatures (not presented because of inoperable engine).

Defective test parameters not presented (unless indicated otherwise)

3-22-Cargo area forward waist level air temperature (erratic, but average temperature shown is good; data are presented).

4-13-Second stage hydraulic system pump outlet temperature.

7-18-Engine No. 1 compressor case temperature, 4th stage, 9 o'clock position.

7-19-Engine No. 1 compressor case temperature, 5th stage, 3 o'clock position.

7-20-Engine No. 1 compressor case temperature, 5th stage, 4:30 o'clock position.

Event Sheet:

CTR	Event
15	APP - start

NOTE:

APP EGT 465°C during start.

CTR	Event
18	Vent fan - ON
	NOTE: Main transmission chip detector light actuated.
19	Comm/nav equipment - checked
	NOTE: Doppler would not operate during previous low temperature tests, but is now operating at high temperature.
32	Guns - check power and condition
34	Cargo hook - check operation
37	Rescue hoist - check operation
38	Cargo winch - check operation
	NOTE: Winch inoperative.
45	AFCS and stick trim - checked
	NOTE: Fast movement of controls bleeds down second stage hydraulic pressure; this is considered normal for this system.
49	EAPS - open
52	Rotor brake - ON
57-59	Engine No. 1 starter - check operation
	NOTE: APP automatic shutdown due to EGT overheat circuit breaker actuation.
68	APP - restart
	NOTE: APP EGT 466°C during start.
72-73	Engine No. 2 starter - check operation
	NOTE: APP automatic shutdown due to EGT overheat circuit breaker actuation.
78	APP - restart
	NOTE: Start aborted due to EGT overheat circuit breaker activation.
99	APP - restart
	NOTE: APP EGT during start was 525°C.
102	Engine speed trim - check
109	Engine No. 1 - start aborted
	NOTE: Engine start aborted and APP automatic shutdown occurred due to APP overtemp of 638°C during engine start.

CTR	Event
125	APP - restart - aborted
	NOTE: Start aborted due to EGT overheat circuit breaker activation.
131	Engine No. 1 - start
	NOTE: APP overtemp of 638°C occurred during engine start.
137	Rotor brake - OFF
139	Flight control and first stage interlock - checked
146	Engine No. 1 throttle - forward
	NOTE: Fuel filter bypass light on. Main transmission chip light and oil pressure fluctuation noted. Engine No. 2 not started because of previous nose gearbox failure.
154	APP - OFF
148-171	Operate engine No. 1 at flight idle
164	Air refueling probe - extended and retracted
165	Minimum governing microswitches - checked
172-175	Engine and APP - shutdown to inspect main transmission chip detector plugs
	NOTE: Sump detector had chips but did not warrant main transmission change.
183	APP - restart
189	Engine No. 1 - restart
193-196	Operate engine No. 1 at ground idle
198	Engine No. 1 throttle - forward
200	APP - OFF
208-212	Operate engine No. 1 at 50-percent torque
216-239	Operate engine No. 1 at 75-percent torque
	NOTE: Engine No. 1 could not get more than 75-percent torque due to the need for a topping adjustment.
242	APP - start
244	Throttle - shut off
249-252	Motor engine No. 1
	NOTE: APP EGT overheat of 700°C occurred during motoring.
259-293	Second stage hydraulic system pressurized for 11 minutes without cooling effect of main rotor operation
263	AFCS - check
293	APP - shutdown
293	End test

NOTE: (applies to runs 22 through 28)

Runs 22 through 28 include engine oil test data. The purpose of the engine oil test was to measure temperatures needed to identify the cooling capability of the oil system at various ambient air temperatures, engine power conditions, and oil flow rates. The oil system was extensively instrumented (figure 1) by adding some new parameters and exchanging with some existing parameters. Calibrated oil pumps were installed which were capable of three flow rates:

Pump Setting	Engine No. 1 Pump Flow (S/N 597) (gpm)	Engine No. 2 Pump Flow (S/N 595) (gpm)
Low	6.05	6.00
Medium	6.25	6.30
High	6.45	6.60

The flow rates were calibrated at 17,070 N_g (100-percent engine gas generator rpm), 225°F oil temperature, and 60 psig oil pump discharge pressure.

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CN	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE
1	0	2	0	*	0
2	0	20	0	*	0
3	0	39	0	*	0
4	0	58	0	*	0
5	1	17	0	*	0
6	1	36	0	*	0
7	2	0	0	*	0
8	2	19	0	*	0
9	2	37	0	*	0
10	2	56	0	*	0
11	3	15	0	*	0
12	3	34	0	*	0
13	3	52	0	*	0
14	4	11	0	*	0
15	4	30	0	*	0
16	4	49	0	*	0
17	5	8	0	*	0
18	5	26	0	*	0
19	5	45	0	*	0
20	6	4	0	*	0
21	6	23	0	*	0
22	6	41	0	*	0
23	7	0	0	*	0
24	7	19	0	*	0
25	7	38	0	*	0
26	7	57	0	*	0
27	8	15	0	*	0
28	8	34	0	*	0
29	8	53	0	*	0
30	9	12	0	*	0
31	9	30	0	*	0
32	9	49	0	*	0
33	10	8	0	*	0
34	10	27	0	*	0
35	10	45	0	*	0
36	11	4	0	*	0
37	11	23	0	*	0
38	11	42	0	*	0
39	12	1	0	*	0
40	12	19	0	*	0

1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE	1-08 ENG.1 POWER TURB SPEED PERCNT RPM	1-09 ENG.1 TURB INLET TEMP DEG.C	1-10 ENG.2 PERCNT RPM	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 PERCNT TORQUE
0	*	0	0	38	0	*	0
0	*	0	0	34	0	*	0
0	*	0	0	34	0	*	0
0	*	0	0	37	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	34	0	*	0
0	*	0	0	37	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	37	0	*	0
0	*	0	0	37	0	*	0
0	*	0	0	33	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	33	0	*	0
0	*	0	0	33	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	38	0	*	0
0	*	0	0	37	0	*	0
0	*	0	0	34	0	*	0
0	*	0	0	38	0	*	0
0	*	0	0	37	0	*	0
0	*	0	0	37	0	*	0
0	*	0	0	38	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	37	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	34	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	37	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	37	0	*	0
0	*	0	0	37	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	34	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	39	0	*	0

2

CA	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE
41	12	38	0	*	0
42	12	57	0	*	0
43	13	16	0	*	0
44	13	34	0	*	0
45	13	53	0	*	0
46	14	12	0	*	0
47	14	31	0	*	0
48	14	49	0	*	0
49	15	8	0	*	0
50	15	27	0	*	0
51	15	46	0	*	0
52	16	4	0	*	0
53	16	23	0	*	0
54	16	42	0	*	0
55	17	1	0	*	0
56	17	19	0	*	0
57	17	38	0	*	0
58	17	57	22	*	0
59	18	16	29	*	0
60	18	35	11	*	0
61	18	53	4	*	0
62	19	12	0	*	0
63	19	31	0	*	0
64	19	50	0	*	0
65	20	8	0	*	0
66	20	27	0	*	0
67	20	46	0	*	0
68	21	5	0	*	0
69	21	23	0	*	0
70	21	42	0	*	0
71	22	1	0	*	0
72	22	20	0	*	0
73	22	38	0	*	0
74	22	57	0	*	0
75	23	16	0	*	0
76	23	35	0	*	0
77	23	53	0	*	0
78	24	12	0	*	0
79	24	31	0	*	0
80	24	50	0	*	0
81	25	8	0	*	0
82	25	27	0	*	0
83	*	43	0	*	0
84	26	5	0	*	0
85	26	12	0	*	0
86	26	30	0	*	0
87	26	49	0	*	0
88	27	8	0	*	0
89	27	27	0	*	0
90	27	46	0	*	0

1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE	1-08 ENG.1 POWER TURB SPEED PERCNT RPM	1-09 ENG.1 TURB INLET TEMP DEG.C	1-10 ENG.2 PERCNT RPM	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 PERCNT TORQUE
0	*	0	0	37	0	*	0
0	*	0	0	37	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	37	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	37	0	*	0
0	*	0	0	38	0	*	0
0	*	0	0	37	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	37	0	*	0
0	*	0	0	33	0	*	0
0	*	0	0	34	0	*	0
0	*	0	0	34	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	35	0	*	0
0	*	0	0	37	0	*	0
22	*	0	0	35	0	*	0
29	*	0	0	42	0	*	0
11	*	0	0	44	0	*	0
4	*	0	0	45	0	*	0
0	*	0	0	44	0	*	0
0	*	0	0	44	0	*	0
0	*	0	0	47	0	*	0
0	*	0	0	47	0	*	0
0	*	0	0	44	0	*	0
0	*	0	0	44	0	*	0
0	*	0	0	40	0	*	0
0	*	0	0	43	0	*	0
0	*	0	0	43	0	*	0
0	*	0	0	43	0	*	0
0	*	0	0	43	0	*	0
0	*	0	0	42	26	*	0
0	*	0	0	43	12	*	0
0	*	0	0	44	4	*	0
0	*	0	0	42	0	*	0
0	*	0	0	40	0	*	0
0	*	0	0	43	0	*	0
0	*	0	0	40	0	*	0
0	*	0	0	40	0	*	0
0	*	0	0	40	0	*	0
0	*	0	0	42	0	*	0
0	*	0	0	43	0	*	0
0	*	0	0	43	0	*	0
0	*	0	0	40	0	*	0
0	*	0	0	40	0	*	0
0	*	0	0	40	0	*	0
0	*	0	0	40	0	*	0
0	*	0	0	39	0	*	0
0	*	0	0	39	0	*	0

CN	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE
91	28	4	0	*	0
92	28	23	0	*	0
93	28	42	0	*	0
94	29	1	0	*	0
95	29	20	0	*	0
96	29	38	0	*	0
97	29	57	0	*	0
98	30	16	0	*	0
99	30	35	0	*	0
100	30	53	0	*	0
101	31	12	0	*	0
102	31	31	0	*	0
103	31	50	0	*	0
104	32	9	0	*	0
105	32	27	0	*	0
106	32	46	0	*	0
107	33	5	0	*	0
108	33	24	0	*	0
109	33	42	0	*	0
110	34	1	36	*	0
111	34	20	27	*	0
112	34	39	8	*	0
113	34	58	4	*	0
114	35	16	0	*	0
115	35	35	0	*	0
116	35	54	0	*	0
117	36	13	0	*	0
118	36	31	0	*	0
119	36	50	0	*	0
120	37	9	0	*	0
121	37	28	0	*	0
122	37	47	0	*	0
123	38	5	0	*	0
124	38	24	0	*	0
125	38	43	0	*	0
126	39	2	0	*	0
127	39	20	0	*	0
128	39	39	0	*	0
129	39	58	0	*	0
130	40	17	0	*	0
131	40	36	0	*	0
132	40	54	36	*	0
133	41	13	63	*	0
134	41	32	64	*	0
135	41	51	63	*	0
136	42	9	63	*	0
137	42	28	63	*	0
138	42	47	66	*	0
139	43	6	63	*	0
140	43	25	63	*	0

1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE	1-08 ENG.1 POWER TURB SPEED PERCNT RPM	1-09 ENG.1 TURB INLET TEMP DEG.C	1-10 ENG.2 PERCNT RPM	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 PERCNT TORQUE
0	*	0	0	38	0	*	0
0	*	0	0	38	1	*	0
0	*	0	0	42	0	*	0
0	*	0	0	44	0	*	0
0	*	0	0	40	0	*	0
0	*	0	0	40	0	*	0
0	*	0	0	39	0	*	0
0	*	0	0	42	0	*	0
0	*	0	0	42	0	*	0
0	*	0	0	38	0	*	0
0	*	0	0	40	0	*	0
0	*	0	0	40	0	*	0
0	*	0	0	39	0	*	0
0	*	0	0	42	0	*	0
0	*	0	0	40	0	*	0
0	*	0	0	40	0	*	0
0	*	0	0	38	0	*	0
0	*	0	0	38	0	*	0
0	*	0	0	39	0	*	0
36	*	0	0	98	0	*	0
27	*	0	0	333	0	*	0
8	*	0	0	228	0	*	0
4	*	0	0	166	0	*	0
0	*	0	0	145	0	*	0
0	*	0	0	135	0	*	0
0	*	0	0	131	0	*	0
0	*	0	0	131	0	*	0
0	*	0	0	129	0	*	0
0	*	0	0	130	0	*	0
0	*	0	0	127	0	*	0
0	*	0	0	130	0	*	0
0	*	0	0	126	0	*	0
0	*	0	0	125	0	*	0
0	*	0	0	123	0	*	0
0	*	0	0	121	0	*	0
0	*	0	0	122	0	*	0
0	*	0	0	118	0	*	0
0	*	0	0	120	0	*	0
0	*	0	0	118	0	*	0
0	*	0	0	117	0	*	0
0	*	0	0	113	0	*	0
36	*	0	0	161	0	*	0
63	*	0	0	512	0	*	0
64	*	0	0	547	0	*	0
63	*	0	0	557	0	*	0
63	*	0	0	563	0	*	0
63	*	0	0	566	0	*	0
66	*	6	21	5 2	0	*	0
63	*	4	30	5e3	0	*	0
63	*	3	33	568	0	*	0

CN	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-0 ENG. PERCN TORQU
141	43	43	63	*	3
142	44	2	63	*	3
143	44	21	64	*	3
144	44	40	64	*	3
145	44	58	64	*	3
146	45	17	77	*	12
147	45	36	85	*	22
148	45	55	86	*	19
149	46	13	89	*	26
150	46	32	89	*	25
151	46	51	89	*	25
152	47	10	89	*	25
153	47	29	89	*	25
154	47	47	89	*	25
155	48	6	89	*	24
156	48	25	87	*	23
157	48	44	88	*	23
158	49	2	89	*	24
159	49	21	88	*	23
160	49	40	88	*	23
161	49	59	88	*	22
162	50	17	88	*	22
163	50	36	88	*	23
164	50	55	86	*	17
165	51	14	88	*	23
166	51	32	88	*	23
167	51	51	88	*	23
168	52	10	88	*	23
169	52	29	89	*	23
170	52	48	88	*	23
171	53	6	91	*	23
172	53	25	67	*	0
173	53	44	18	*	0
174	54	3	8	*	0
175	54	21	3	*	0
176	54	46	0	*	0
177	55	5	0	*	0
178	55	24	0	*	0
179	55	43	0	*	0
180	56	1	0	*	0
181	56	20	0	*	0
182	56	39	0	*	0
183	56	58	0	*	0
184	57	16	0	*	0
185	57	35	0	*	0
186	57	54	0	*	0
187	58	13	0	*	0
188	58	32	0	*	0
189	58	50	0	*	0
190	59	9	31	*	0

639

1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE	1-08 ENG.1 POWER TURB SPEED PERCNT RPM	1-09 ENG.1 TURB INLET TEMP DEG.C	1-10 ENG.2 PERCNT RPM	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 PERCNT TORQUE
63	*	3	35	568	0	*	0
63	*	3	35	568	0	*	0
64	*	3	37	567	0	*	0
64	*	3	37	569	0	*	0
64	*	3	36	568	0	*	0
77	*	12	43	580	0	*	0
85	*	22	67	488	0	*	0
86	*	19	109	495	0	*	0
89	*	26	100	523	0	*	0
89	*	25	100	517	0	*	0
89	*	25	100	517	0	*	0
89	*	25	101	514	0	*	0
89	*	25	100	518	0	*	0
89	*	25	100	514	0	*	0
89	*	24	100	517	0	*	0
87	*	23	99	506	0	*	0
88	*	23	100	508	0	*	0
89	*	24	99	510	0	*	0
88	*	23	100	506	0	*	0
88	*	23	99	510	0	*	0
88	*	22	99	509	0	*	0
88	*	22	100	504	0	*	0
88	*	23	99	505	0	*	0
86	*	17	88	484	0	*	0
88	*	23	100	510	0	*	0
88	*	23	100	508	0	*	0
88	*	23	100	506	0	*	0
88	*	23	100	506	0	*	0
89	*	23	100	510	0	*	0
88	*	23	99	509	0	*	0
91	*	23	101	506	0	*	0
67	*	0	68	476	0	*	0
18	*	0	18	373	0	*	0
8	*	0	0	277	0	*	0
3	*	0	0	242	0	*	0
0	*	0	0	176	0	*	0
0	*	0	0	174	0	*	0
0	*	0	0	175	0	*	0
0	*	0	0	173	0	*	0
0	*	0	0	173	0	*	0
0	*	0	0	173	0	*	0
0	*	0	0	170	0	*	0
0	*	0	0	170	0	*	0
0	*	0	0	169	0	*	0
0	*	0	0	168	0	*	0
0	*	0	0	168	0	*	0
0	*	0	0	169	0	*	0
0	*	0	0	170	0	*	0
0	*	0	0	169	0	*	0
31	*	0	0	161	0	*	0

CN	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE
191	59	28	64	*	7
192	59	47	65	*	5
193	60	6	65	*	4
194	60	24	65	*	4
195	60	43	68	*	8
196	61	2	80	*	13
197	61	21	89	*	33
198	61	39	89	*	24
199	61	58	89	*	24
200	62	17	89	*	24
201	62	36	89	*	24
202	62	55	89	*	23
203	63	13	89	*	24
204	63	32	89	*	25
205	63	51	89	*	24
206	64	10	89	*	25
207	64	28	91	*	33
208	64	47	92	*	50
209	65	6	92	*	50
210	65	25	92	*	50
211	65	43	92	*	50
212	66	2	93	*	50
213	66	21	93	*	53
214	66	40	93	*	61
215	66	59	96	*	77
216	67	17	96	*	76
217	67	36	95	*	75
218	67	55	96	*	75
219	68	14	96	*	76
220	68	32	96	*	76
221	68	51	96	*	78
222	69	10	96	*	76
223	69	29	98	*	75
224	69	48	96	*	76
225	70	6	96	*	76
226	70	25	96	*	76
227	70	44	96	*	76
228	71	3	96	*	76
229	71	21	96	*	76
230	71	40	96	*	76
231	71	59	97	*	75
232	72	18	97	*	76
233	72	36	96	*	76
234	72	55	96	*	76
235	73	14	96	*	76
236	73	33	98	*	76
237	73	52	97	*	76
238	74	10	97	*	76
239	74	29	96	*	76
240	74	48	89	*	24

690

1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE	1-08 ENG.1 POWER TURB SPEED PERCNT RPM	1-09 ENG.1 TURB INLET TEMP DEG.C	1-10 ENG.2 PERCNT RPM	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 PERCNT TORQUE
64	*	7	14	506	0	*	0
65	*	5	28	530	0	*	0
65	*	4	34	540	0	*	0
65	*	4	37	549	0	*	0
68	*	8	37	574	0	*	0
80	*	13	56	498	0	*	0
89	*	33	91	518	0	*	0
89	*	24	100	519	0	*	0
89	*	24	100	[illegible]19	0	*	0
89	*	24	100	[illegible]18	0	*	0
89	*	24	99	515	0	*	0
89	*	23	101	512	0	*	0
89	*	24	99	513	0	*	0
89	*	25	100	515	0	*	0
89	*	24	100	514	0	*	0
89	*	25	100	513	0	*	0
91	*	33	101	533	0	*	0
92	*	50	100	581	0	*	0
92	*	50	101	588	0	*	0
92	*	50	101	588	0	*	0
92	*	50	103	587	0	*	0
93	*	50	100	586	0	*	0
93	*	53	100	590	0	*	0
93	*	61	99	607	0	*	0
96	*	77	97	653	0	*	0
96	*	76	99	658	0	*	0
95	*	75	99	658	0	*	0
96	*	75	100	659	0	*	0
96	*	76	99	659	0	*	0
96	*	76	100	658	0	*	0
96	*	78	97	655	0	*	0
96	*	76	100	656	0	*	0
96	*	75	100	656	1	*	0
96	*	75	114	658	0	*	0
96	*	76	99	656	0	*	0
96	*	76	99	656	0	*	0
96	*	76	100	658	0	*	0
96	*	76	100	658	0	*	0
96	*	76	100	659	0	*	0
96	*	76	99	655	0	*	0
97	*	75	99	658	0	*	0
97	*	76	98	656	0	*	0
96	*	76	99	658	0	*	0
96	*	76	99	658	0	*	0
96	*	76	99	656	0	*	0
98	*	76	100	659	0	*	0
97	*	76	102	658	0	*	0
97	*	76	100	661	0	*	0
96	*	76	101	659	0	*	0
89	*	24	100	519	0	*	0

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CN	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE
241	75	7	89	*	24
242	75	25	89	*	24
243	75	44	89	*	24
244	76	3	79	*	0
245	76	22	24	*	0
246	76	40	10	*	7
247	76	59	5	*	0
248	77	18	0	*	0
249	77	37	0	*	0
250	77	55	10	*	*
251	78	14	5	*	0
252	78	33	6	*	0
253	78	52	0	*	0
254	79	11	0	*	0
255	79	29	0	*	0
256	79	48	0	*	0
257	80	7	0	*	0
258	80	26	0	*	0
259	80	44	0	*	0
260	81	3	0	*	0
261	81	22	0	*	0
262	81	41	0	*	0
263	81	59	0	*	0
264	82	18	0	*	0
265	82	37	0	*	0
266	82	56	0	*	0
267	83	11	0	*	0
268	83	33	0	*	0
269	83	52	0	*	0
270	84	11	0	*	0
271	84	30	0	*	0
272	84	48	0	*	0
273	85	7	0	*	0
274	85	26	0	*	0
275	85	45	0	*	0
276	86	3	0	*	0
277	86	22	0	*	0
279	87	0	0	*	0
280	87	18	0	*	0
281	87	37	0	*	0
282	87	56	0	*	0
283	88	15	0	*	0
284	88	33	0	*	0
285	88	52	0	*	0
286	89	11	0	*	0
287	89	30	0	*	0
288	89	48	0	*	0
289	90	7	0	*	0
290	90	26	0	*	0

1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE	1-08 ENG.1 POWER TURB SPEED PERCNT RPM	1-09 ENG.1 TURB INLET TEMP DEG.C	1-10 ENG.2 PERCNT RPM	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 PERCNT TORQUE
89	*	24	101	513	C	*	0
89	*	24	101	506	C	*	0
89	*	24	100	508	0	*	0
79	*	0	92	464	0	*	0
24	*	0	25	404	0	*	0
10	*	7	7	296	0	*	0
5	*	0	0	248	0	*	0
0	*	0	0	238	C	*	0
0	*	0	0	246	C	*	0
10	*	*	2	237	C	*	0
5	*	0	0	209	0	*	0
6	*	0	0	200	C	*	0
0	*	0	0	199	C	*	0
0	*	0	0	210	C	*	0
0	*	0	0	222	C	*	0
0	*	0	0	233	0	*	0
0	*	0	0	243	0	*	0
0	*	0	0	252	0	*	0
0	*	0	0	258	C	*	0
0	*	0	0	263	0	*	0
0	*	0	0	268	C	*	0
0	*	0	0	271	C	*	0
0	*	0	0	272	0	*	0
0	*	0	0	275	0	*	0
0	*	0	0	277	C	*	0
0	*	0	C	278	C	*	0
0	*	0	0	281	C	*	0
0	*	0	C	281	C	*	0
0	*	0	0	281	C	*	0
0	*	0	0	283	0	*	0
0	*	0	0	286	C	*	
0	*	0	0	283	0	*	0
C	*	0	0	283	C	*	0
0	*	0	0	283	0	*	0
0	*	0	0	283	0	*	0
0	*	0	0	282	0	*	0
0	*	0	0	280	0	*	0
0	*	0	0	280	C	*	0
0	*	0	0	280	C	*	0
0	*	0	0	277	C	*	0
C	*	0	C	276	C	*	0
0	*	0	0	275	C	*	0
0	*	0	0	273	0	*	0
0	*	0	0	273	C	*	0
0	*	0	0	271	0	*	0
0	*	0	0	271	C	*	0
0	*	0	0	268	C	*	0
0	*	0	0	267	C	*	0
0	*	0	0	268	C	*	0

2

CN	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE	1 EN PO T SP PER
291	90	45	0	*	0	
292	91	3	0	*	0	
293	91	22	0	*	0	
294	*	*	*	*	*	

1-05 ENG.1 PERCNT RPM	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 PERCNT TORQUE	1-08 ENG.1 POWER TURB SPEED PERCNT RPM	1-09 ENG.1 TURB INLET TEMP DEG.C	1-10 ENG.2 PERCNT RPM	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 PERCNT TORQUE
0	*	0	0	265	0	*	0
0	*	0	0	265	0	*	0
0	*	0	0	265	0	*	0
*	*	*	*	*	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CN	1-13 ENG.2 POWER TURB SPEED PERCNT RPM	1-14 ENG.2 TURB INLET TEMP DEG.C	1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG
1	1	34	0	0	1
2	2	33	0	0	1
3	1	33	0	0	0
4	1	33	0	0	2
5	1	32	0	0	2
6	2	30	0	0	1
7	1	32	0	0	1
8	1	35	0	0	1
9	2	34	0	0	1
10	2	33	0	0	2
11	1	34	0	0	0
12	2	32	0	0	2
13	1	32	0	0	2
14	1	33	0	0	2
15	2	33	0	0	2
16	2	33	0	0	2
17	2	33	0	0	1
18	1	33	0	0	1
19	1	33	0	0	2
20	2	33	0	0	2
21	2	37	0	0	2
22	1	33	0	0	2
23	1	32	0	0	2
24	1	34	0	0	2
25	1	32	0	0	1
26	1	33	0	0	2
27	1	32	0	0	2
28	2	33	0	0	1
29	1	33	0	0	1
30	1	35	0	0	1
31	1	33	0	0	1
32	1	32	0	0	2
33	2	33	0	0	1
34	1	34	0	0	1
35	1	33	0	0	1
36	2	35	0	0	2
37	1	33	0	0	1
38	1	33	0	0	2
39	2	34	0	0	2
40	1	34	0	0	1

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1-17 L.H. THROTT POS	1-18 R.H. THROTT POS	1-19 ENG.1 OIL PUMP OUTLET PRESS	1-20 ENG.1 SCAV PUMP OUTLET PRESS	1-21 ENG.1 FUEL BOOST PUMP OUTLET	1-22 ENG.1 NOSE GEAR BOX OIL	1-23 ACCESS GEAR BOX OIL PRESS	1-24 MAIN GEAR BOX OIL PRESS
PERCNT	PERCNT	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG
0	0	1	0	1	2	1	0
0	0	1	0	1	2	2	0
0	0	0	0	1	1	1	0
0	0	2	0	0	1	1	0
0	0	2	0	1	1	0	1
0	0	1	0	0	1	1	0
0	0	1	0	1	2	1	0
0	0	1	0	1	1	1	0
0	0	1	1	1	1	0	0
0	0	2	0	1	3	1	0
0	0	0	0	1	1	1	0
0	0	2	0	0	1	1	0
0	0	2	1	1	1	1	0
0	0	2	0	1	2	2	0
0	0	2	0	1	2	1	1
0	0	2	0	3	2	31	1
0	0	1	0	3	2	30	0
0	0	1	0	3	1	31	0
0	0	2	0	2	2	30	0
0	0	2	0	2	2	30	1
0	0	2	0	2	3	29	0
0	0	2	0	3	1	30	0
0	0	2	1	3	2	30	0
0	0	2	0	3	1	28	0
0	0	1	0	3	2	30	0
0	0	2	0	2	2	30	0
0	0	2	0	3	3	30	1
0	0	1	0	2	3	30	0
0	0	1	0	3	1	31	0
0	0	1	0	2	1	30	0
0	0	1	1	2	2	30	0
0	0	2	0	3	1	30	1
0	0	1	0	2	1	29	0
0	0	1	1	2	3	29	0
0	0	1	1	3	2	30	0
0	0	2	0	3	2	28	1
0	0	1	1	3	2	30	0
0	0	2	0	3	2	30	0
0	0	2	0	3	2	28	0
0	0	1	0	3	1	29	0

CN	1-13 ENG.2 POWER TURB SPEED PERCNT RPM	1-14 ENG.2 TURB INLET TEMP DEG.C	1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG
41	2	33	0	0	1
42	2	34	0	0	2
43	1	33	0	0	2
44	1	34	0	0	1
45	1	35	0	0	2
46	2	34	0	0	1
47	1	35	0	0	2
48	1	32	0	0	2
49	1	33	0	0	1
50	1	34	0	0	2
51	1	37	0	0	1
52	1	34	65	66	0
53	1	34	0	0	0
54	1	32	0	0	1
55	1	34	0	0	1
56	1	34	0	0	1
57	1	33	0	0	1
58	2	33	0	0	7
59	1	34	0	0	7
60	1	33	0	0	0
61	1	32	0	0	0
62	1	34	0	0	0
63	1	33	0	0	0
64	1	33	0	0	0
65	1	32	0	0	0
66	1	32	0	0	1
67	1	34	0	0	0
68	2	30	0	0	1
69	1	33	0	0	1
70	1	34	0	0	1
71	1	35	0	0	1
72	1	33	0	0	1
73	1	34	0	0	0
74	1	38	0	0	1
75	1	38	0	0	1
76	1	40	0	0	0
77	1	39	0	0	1
78	1	38	0	0	2
79	1	38	0	0	1
80	1	38	0	0	2
81	1	39	0	0	2
82	1	40	0	0	1
83	1	39	0	0	0
84	1	39	0	0	1
85	2	38	0	0	1
86	1	37	0	0	1
87	2	38	0	0	1
88	1	38	0	0	0
89	1	37	0	0	2
90	1	38	0	0	0

1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG
0	0	1	0	3	2	30	0
0	0	2	0	3	2	29	1
0	0	2	1	3	2	29	0
0	0	1	0	2	1	28	0
0	0	2	0	3	1	29	0
0	0	1	0	2	2	28	0
0	0	2	0	3	2	30	0
0	0	2	0	3	1	29	0
0	0	1	0	2	2	27	0
0	0	2	0	3	2	26	0
0	0	1	0	3	2	26	0
65	66	0	0	2	1	28	0
0	0	0	0	2	2	27	0
0	0	1	0	3	1	25	0
0	0	1	0	3	1	28	0
0	0	1	0	3	3	27	0
0	0	1	0	3	1	27	0
0	0	7	6	2	2	27	0
0	0	7	5	6	2	28	0
0	0	0	2	2	1	0	0
0	0	0	1	2	1	1	0
0	0	0	2	2	2	0	0
0	0	0	1	3	1	1	0
0	0	0	1	3	1	0	0
0	0	0	0	3	1	0	0
0	0	1	0	3	2	0	0
0	0	0	0	3	1	0	0
0	0	1	0	3	2	1	1
0	0	1	0	2	1	27	0
0	0	1	0	3	2	27	0
0	0	1	0	3	1	27	0
0	0	1	1	3	2	28	0
0	0	0	0	3	2	28	0
0	0	1	0	3	1	0	0
0	0	1	1	3	1	0	0
0	0	0	0	3	2	0	0
0	0	1	0	3	2	0	0
0	0	2	0	3	1	0	0
0	0	1	1	3	3	0	0
0	0	2	1	3	2	1	1
0	0	2	0	3	2	0	0
0	0	1	1	3	1	0	0
0	0	0	1	3	2	0	0
0	0	1	0	3	1	0	0
0	0	1	0	5	1	0	0
0	0	1	0	5	2	1	0
0	0	1	0	5	1	0	0
0	0	0	0	5	1	1	0
0	0	2	0	4	2	0	1
0	0	0	0	5	1	0	0

2

CN	1-13 ENG.2 POWER TURB SPEED PERCNT RPM	1-14 ENG.2 TURB INLET TEMP DEG.C	1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG
91	1	38	0	0	0
92	1	35	0	0	1
93	1	39	0	0	1
94	1	35	0	0	0
95	1	35	0	0	1
96	1	37	0	0	1
97	2	35	0	0	1
98	1	37	0	0	1
99	1	37	0	0	1
100	2	35	0	0	1
101	1	37	0	0	2
102	1	34	0	0	1
103	1	37	0	0	1
104	1	35	0	0	0
105	1	37	0	0	1
106	1	35	0	0	1
107	1	37	0	0	1
108	2	35	0	0	1
109	1	37	0	0	1
110	1	35	21	0	14
111	1	37	0	0	2
112	1	37	0	0	0
113	2	37	0	0	0
114	1	34	0	0	0
115	2	35	0	0	0
116	1	37	0	0	0
117	1	39	0	0	0
118	1	37	0	0	0
119	1	35	0	0	0
120	1	37	0	0	1
121	1	37	0	0	1
122	1	37	0	0	1
123	1	35	0	0	1
124	1	37	0	0	0
125	1	37	0	0	1
126	1	37	0	0	2
127	2	34	0	0	2
128	1	35	0	0	1
129	2	38	0	0	1
130	1	35	0	0	2
131	1	37	0	0	1
132	1	35	21	0	12
133	1	35	21	0	27
134	1	35	20	0	25
135	1	37	20	0	24
136	1	35	20	0	25
137	1	34	20	0	24
138	1	35	21	0	24
139	1	35	21	0	22
140	1	35	21	0	21

1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG
0	0	0	0	5	2	0	0
0	0	1	0	5	2	0	0
0	0	1	0	5	2	1	0
0	0	0	0	5	2	1	0
0	0	1	0	5	2	0	0
0	0	1	0	5	2	0	0
0	0	1	0	5	2	0	0
0	0	1	1	5	1	0	0
0	0	1	1	5	2	0	0
0	0	1	1	5	2	1	0
0	0	2	0	5	1	28	0
0	0	1	0	5	1	27	0
0	0	1	0	2	2	27	0
0	0	0	0	2	1	28	0
0	0	1	0	2	1	30	0
0	0	1	0	2	2	27	0
0	0	1	0	2	2	27	0
0	0	1	0	2	1	28	0
0	0	1	0	2	2	27	0
21	0	14	8	2	1	27	0
0	0	2	4	2	1	0	0
0	0	0	2	2	1	1	0
0	0	0	2	1	1	0	0
0	0	0	1	2	1	0	0
0	0	0	0	1	1	0	0
0	0	0	0	1	2	0	0
0	0	0	0	2	1	1	0
0	0	0	0	2	1	0	0
0	0	0	0	2	1	0	0
0	0	1	0	2	1	0	0
0	0	1	0	2	1	1	0
0	0	1	0	2	0	0	0
0	0	1	0	2	1	0	0
0	0	0	0	2	1	0	0
0	0	1	0	2	1	0	0
0	0	2	0	2	2	0	0
0	0	2	0	2	3	27	0
0	0	1	0	2	2	25	0
0	0	1	0	0	2	28	0
0	0	2	0	0	2	27	0
0	0	1	0	0	2	27	0
21	0	12	0	2	1	27	0
21	0	27	13	22	2	25	0
20	0	25	13	14	1	26	0
20	0	24	14	8	1	28	0
20	0	25	13	7	3	26	0
20	0	24	14	10	1	28	0
21	0	24	14	14	11	24	5
21	0	22	13	3	16	27	12
21	0	21	14	20	19	25	14

2

CN	1-13 ENG.2 POWER TURB SPEED PERCNT RPM	1-14 ENG.2 TURB INLET TEMP DEG.C	1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG
141	1	35	20	0	22
142	1	37	21	0	22
143	1	37	20	0	22
144	1	34	20	0	22
145	1	35	20	0	21
146	0	35	34	0	33
147	1	37	40	0	39
148	1	37	63	0	40
149	1	35	91	0	42
150	1	37	91	0	43
151	1	35	91	0	43
152	2	35	91	0	42
153	1	35	90	0	43
154	1	34	91	0	42
155	1	35	91	0	41
156	1	37	89	0	41
157	1	35	88	0	40
158	1	35	88	0	40
159	1	37	88	0	41
160	1	37	88	0	41
161	1	35	89	0	40
162	1	34	88	0	40
163	1	34	88	0	40
164	1	35	56	0	38
165	1	37	90	0	39
166	1	35	89	0	40
167	1	35	90	0	40
168	1	39	90	0	40
169	1	35	90	0	40
170	1	35	90	0	39
171	1	38	90	0	39
172	1	37	22	0	21
173	1	37	0	0	0
174	1	35	0	0	0
175	1	34	0	0	0
176	2	35	0	0	1
177	1	37	0	0	0
178	1	34	0	0	0
179	1	37	0	0	1
180	1	37	0	0	1
181	1	35	0	0	0
182	1	35	0	0	1
183	2	35	0	0	1
184	2	34	0	0	1
185	2	37	0	0	1
186	1	35	0	0	1
187	1	35	0	0	0
188	1	37	0	0	0
189	2	35	0	0	0
190	1	35	21	0	8

1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG
20	0	22	13	10	21	23	16
21	0	22	14	18	21	26	18
20	0	22	12	14	22	25	18
20	0	22	14	10	22	26	18
20	0	21	14	5	21	26	19
34	0	33	17	16	29	24	28
40	0	39	16	20	61	25	51
63	0	40	18	14	68	25	56
91	0	42	16	21	67	24	52
91	0	43	17	18	69	27	56
91	0	43	19	20	69	24	57
91	0	42	19	20	67	23	57
90	0	43	21	21	69	24	56
91	0	42	19	19	66	23	60
91	0	41	19	19	66	25	60
89	0	41	18	21	69	26	61
88	0	40	18	20	67	25	60
88	0	40	19	22	68	24	60
88	0	41	19	21	68	25	60
88	0	41	19	20	67	25	60
89	0	40	18	22	67	25	61
88	0	40	18	20	66	25	62
88	0	40	18	20	65	24	60
56	0	38	17	20	62	25	56
90	0	39	18	21	67	24	60
89	0	40	18	19	66	24	61
90	0	40	18	20	72	22	61
90	0	40	19	19	67	25	61
90	0	40	18	21	64	23	63
90	0	39	19	20	64	23	61
90	0	39	17	20	66	22	62
22	0	21	12	20	56	26	53
0	0	0	2	3	5	25	8
0	0	0	1	3	2	24	0
0	0	0	1	4	1	26	0
0	0	1	0	23	1	0	0
0	0	0	0	23	0	0	0
0	0	0	0	22	0	0	0
0	0	1	0	22	0	0	0
0	0	1	0	22	1	1	0
0	0	0	0	22	0	0	0
0	0	1	0	22	1	0	0
0	0	1	0	22	1	1	0
0	0	1	0	22	0	1	0
0	0	1	0	21	1	28	0
0	0	1	0	20	1	28	0
0	0	0	0	8	1	27	0
0	0	0	0	8	1	28	0
0	0	0	0	8	1	28	0
21	0	8	6	1	1	27	0

CN	1-13 ENG.2 POWER TURB SPEED PERCNT RPM	1-14 ENG.2 TURB INLET TEMP DEG.C	1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG
191	1	35	21	0	19
192	1	35	21	0	19
193	1	35	21	0	18
194	1	39	21	0	17
195	1	37	32	0	25
196	1	35	38	0	31
197	1	35	80	0	37
198	1	37	91	0	37
199	1	37	91	0	38
200	2	37	91	0	37
201	1	37	91	0	37
202	1	37	91	0	38
203	1	37	91	0	38
204	1	35	91	0	38
205	3	37	91	0	37
206	1	34	91	0	38
207	1	35	91	0	39
208	1	34	91	0	42
209	1	38	91	0	42
210	1	38	91	0	42
211	1	37	91	0	40
212	1	37	91	0	41
213	1	35	91	0	41
214	1	38	91	0	42
215	1	37	95	0	44
216	1	35	96	0	45
217	2	35	96	0	44
218	1	34	96	0	44
219	1	35	96	0	43
220	1	37	97	0	44
221	1	38	98	0	44
222	1	35	98	0	43
223	1	35	98	0	44
224	0	35	98	0	44
225	1	37	98	0	43
226	1	37	98	0	43
227	1	38	98	0	44
228	1	37	98	0	43
229	0	37	99	0	44
230	1	39	98	0	44
231	1	37	99	0	44
232	1	35	98	0	45
233	0	37	98	0	44
234	1	37	99	0	43
235	1	38	98	0	43
236	0	38	99	0	44
237	1	37	99	0	44
238	2	35	98	0	43
239	1	38	98	0	44
240	1	38	88	0	37

1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG
21	0	19	12	8	4	27	0
21	0	19	13	10	13	27	10
21	0	18	13	8	17	28	16
21	0	17	12	10	19	28	19
32	0	25	13	13	21	26	20
38	0	31	15	18	50	27	45
80	0	37	17	19	66	25	60
91	0	37	17	19	67	25	60
91	0	38	17	22	69	27	59
91	0	37	17	20	68	27	60
91	0	37	17	22	64	24	60
91	0	38	17	19	65	25	60
91	0	38	16	19	66	25	60
91	0	38	17	21	65	24	60
91	0	37	17	21	67	27	60
91	0	38	18	21	64	25	62
91	0	39	19	20	67	25	61
91	0	42	19	21	66	25	62
91	0	42	19	20	66	24	61
91	0	42	19	20	65	23	61
91	0	40	19	21	63	21	61
91	0	41	17	24	63	23	62
91	0	41	18	23	67	25	60
91	0	42	21	19	64	23	61
95	0	44	21	23	67	22	61
96	0	45	17	24	64	25	61
96	0	44	20	23	64	22	61
96	0	44	20	21	64	22	61
96	0	43	20	23	65	22	62
97	0	44	20	22	62	25	62
98	0	44	20	21	64	25	61
98	0	43	19	23	61	22	62
98	0	44	22	19	63	22	61
98	0	44	18	23	63	25	62
98	0	43	22	23	62	23	60
98	0	43	21	23	61	25	61
98	0	44	20	19	56	22	61
98	0	43	18	18	62	23	62
99	0	44	20	23	61	25	63
98	0	44	19	21	63	21	63
99	0	44	18	22	64	24	63
98	0	45	19	23	62	23	62
98	0	44	20	21	63	24	62
99	0	43	20	23	63	24	62
98	0	43	20	23	61	23	62
99	0	44	22	24	64	23	62
99	0	44	19	20	66	24	62
98	0	43	21	22	61	26	62
98	0	44	21	23	61	25	61
88	0	37	18	20	62	25	62

2

CN	1-13 ENG.2 POWER TURB SPEED PERCNT RPM	1-14 ENG.2 TURB INLET TEMP DEG.C	1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG
241	1	35	88	0	38
242	1	35	88	0	38
243	1	37	88	0	38
244	1	37	23	0	23
245	1	37	0	0	0
246	1	37	0	0	0
247	1	39	0	0	0
248	1	37	0	0	0
249	1	34	0	0	0
250	1	37	0	0	0
251	1	37	0	0	0
252	1	35	0	0	0
253	0	38	0	0	0
254	1	37	0	0	1
255	1	35	0	0	1
256	1	37	0	0	1
257	1	38	0	0	1
258	1	35	0	0	1
259	1	37	0	0	2
260	1	38	0	0	1
261	1	37	0	0	1
262	1	39	0	0	1
263	1	35	0	0	1
264	1	35	0	0	1
265	1	38	0	0	1
266	0	39	0	0	1
267	1	39	0	0	0
268	0	38	0	0	0
269	0	42	0	0	1
270	0	38	0	0	1
271	1	39	0	0	0
272	0	38	0	0	1
273	1	39	0	0	1
274	1	42	0	0	0
275	0	39	0	0	0
276	0	39	0	0	0
277	0	39	0	0	0
278	*	HIGH	HIGH	77	*
279	0	38	0	0	0
280	0	42	0	0	0
281	0	39	0	0	1
282	0	39	0	0	0
283	0	38	0	0	0
284	0	38	0	0	0
285	0	40	0	0	0
286	0	39	0	0	0
287	0	39	0	0	0
288	0	38	0	0	0
289	0	40	0	0	0
290	0	38	0	0	0

1-17 L.H. THROTT POS PERCNT	1-18 R.H. THROTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP CUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG
88	0	38	20	21	63	24	62
88	0	38	17	21	63	24	62
88	0	38	17	22	63	25	63
23	0	23	16	14	59	25	58
0	0	0	2	2	7	25	40
0	0	0	1	3	1	23	20
0	0	0	1	4	0	23	10
0	0	0	1	4	1	25	5
0	0	0	0	6	1	24	1
0	0	0	1	9	1	25	1
0	0	0	1	13	1	26	0
0	0	0	1	19	1	25	0
0	0	0	0	20	1	25	0
0	0	1	0	21	1	23	0
0	0	1	0	21	2	23	0
0	0	1	0	22	2	24	0
0	0	1	0	22	1	25	0
0	0	1	0	22	2	23	0
0	0	2	0	22	2	25	0
0	0	1	0	22	2	24	0
0	0	1	0	23	2	25	0
0	0	1	0	23	2	23	0
0	0	1	0	23	1	23	0
0	0	1	0	24	2	25	0
0	0	1	-1	24	1	22	0
0	0	1	0	23	1	23	0
0	0	0	0	24	1	22	0
0	0	0	0	24	1	22	0
0	0	1	0	25	0	25	0
0	0	1	0	25	0	23	0
0	0	0	0	25	1	23	0
0	0	1	-1	26	1	23	0
0	0	1	0	26	0	24	0
0	0	0	0	26	1	22	0
0	0	0	0	26	1	22	0
0	0	0	0	27	1	23	0
0	0	0	0	26	0	22	0
HIGH	77	*	HIGH	82	4	22	120
0	0	0	0	27	0	22	0
0	0	0	0	26	0	22	0
0	0	1	-1	27	0	23	0
0	0	0	0	27	1	22	0
0	0	0	0	27	0	22	0
0	0	0	0	27	0	23	0
0	0	0	-1	27	0	23	0
0	0	0	-1	27	1	21	0
0	0	0	0	27	0	22	0
0	0	0	0	27	0	22	0
0	0	0	0	27	1	23	0
0	0	0	0	27	0	22	0

CN	1-13 ENG.2 POWER TURB SPEED PERCNT RPM	1-14 ENG.2 TURB INLET TEMP DEG.C	1-17 L.H. THRCTT POS PERCNT	1-18 R.H. THRCTT POS PERCNT	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG
291	1	39	0	0	0
292	0	39	0	0	0
293	0	40	0	0	0
294	*	*	*	*	*

1-17 L.H. THRCTT POS	1-18 R.H. THROTT POS	1-19 ENG.1 OIL PUMP OUTLET PRESS	1-20 ENG.1 SCAV PUMP OUTLET PRESS	1-21 ENG.1 FUEL BOOST PUMP OUTLET	1-22 ENG.1 NOSE GEAR BOX OIL PRESS	1-23 ACCESS GEAR BOX OIL PRESS	1-24 MAIN GEAR BOX OIL PRESS
PERCNT	PERCNT	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG
0	0	0	0	27	0	22	0
0	0	0	0	27	0	23	0
0	0	0	-1	27	0	20	0
*	*	*	*	*	*	*	*

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HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
+125 DEG. F. RUN NO.21
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CN	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
1	1	1
2	2	0
3	2	0
4	1	0
5	1	1
6	3	0
7	2	0
8	2	0
9	2	0
10	1	1
11	2	0
12	1	1
13	2	0
14	1	0
15	3	0
16	1	3
17	1	3
18	2	2
19	2	3
20	1	3
21	1	2
22	1	2
23	1	2
24	0	2
25	1	3
26	1	2
27	1	3
28	2	2
29	1	2
30	3	2
31	1	2
32	1	2
33	1	3
34	2	2
35	2	2
36	3	2
37	1	2
38	1	3
39	1	2
40	2	2

29

CN	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
41	1	2
42	1	3
43	2	3
44	1	2
45	1	3
46	1	3
47	1	3
48	1	2
49	0	3
50	1	3
51	0	2
52	2	2
53	1	3
54	1	2
55	1	2
56	2	2
57	2	2
58	2	1
59	3	2
60	1	2
61	1	2
62	2	2
63	1	3
64	1	2
65	1	2
66	2	2
67	1	3
68	2	2
69	1	2
70	1	2
71	1	2
72	1	2
73	1	2
74	1	3
75	2	3
76	2	2
77	2	3
78	1	2
79	1	3
80	1	3
81	1	3
82	1	3
83	1	3
84	1	3
85	1	4
86	0	5
87	1	5
88	1	5
89	1	5
90	1	5

CN	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
91	2	4
92	1	4
93	1	5
94	1	5
95	1	4
96	0	4
97	2	5
98	1	5
99	1	4
100	1	5
101	1	5
102	1	4
103	1	2
104	1	2
105	1	2
106	0	2
107	1	2
108	1	2
109	1	2
110	7	2
111	2	2
112	1	2
113	1	1
114	1	1
115	2	1
116	1	2
117	1	2
118	1	1
119	1	1
120	1	2
121	1	2
122	1	2
123	1	1
124	1	1
125	2	2
126	1	2
127	2	2
128	0	2
129	1	0
130	1	0
131	1	1
132	7	1
133	19	11
134	18	10
135	18	11
136	19	11
137	19	11
138	19	11
139	19	9
140	19	11

CN	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
141	19	10
142	18	11
143	19	12
144	18	12
145	18	10
146	37	15
147	64	17
148	71	17
149	83	24
150	83	19
151	83	20
152	83	19
153	83	22
154	84	22
155	82	24
156	82	20
157	82	21
158	82	20
159	81	19
160	82	21
161	81	22
162	80	17
163	80	19
164	67	20
165	82	20
166	82	17
167	81	19
168	84	17
169	80	20
170	81	19
171	82	17
172	22	12
173	1	2
174	1	3
175	1	4
176	-1	22
177	-1	22
178	-1	22
179	-1	22
180	0	22
181	0	22
182	-1	21
183	0	21
184	0	21
185	0	21
186	0	20
187	0	8
188	-1	8
189	0	8
190	4	1

CN	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
191	18	8
192	18	9
193	18	10
194	17	9
195	28	13
196	52	16
197	83	20
198	79	18
199	80	20
200	79	19
201	81	20
202	79	20
203	81	21
204	81	20
205	80	20
206	82	19
207	93	22
208	106	21
209	106	20
210	106	23
211	106	21
212	106	22
213	109	23
214	118	21
215	129	22
216	128	22
217	130	22
218	130	21
219	130	28
220	129	23
221	127	22
222	129	22
223	129	20
224	129	21
225	129	22
226	128	21
227	130	21
228	130	21
229	129	21
230	129	24
231	129	21
232	129	21
233	130	21
234	130	21
235	129	22
236	130	21
237	130	20
238	130	19
239	129	26
240	79	24

CN	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
241	81	20
242	81	21
243	81	17
244	21	13
245	0	2
246	0	2
247	0	4
248	-1	4
249	-1	6
250	0	8
251	-1	14
252	-1	19
253	-1	21
254	0	21
255	0	21
256	0	21
257	0	22
258	0	22
259	0	22
260	0	22
261	0	23
262	0	23
263	0	23
264	0	23
265	0	24
266	0	23
267	-1	24
268	0	24
269	0	25
270	-1	25
271	-1	25
272	-1	25
273	-2	25
274	-1	26
275	-1	26
276	-2	26
277	-2	27
278	10	•
279	-1	27
280	-2	27
281	-2	26
282	-2	27
283	-2	27
284	-2	27
285	-3	27
286	-2	27
287	-2	27
288	-2	27
289	-2	27
290	-2	27

CN	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
291	-3	27
292	-3	27
293	-3	27
294	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL. PSIG
1	0	4	1	20	20
2	0	23	1	15	10
3	0	41	1	10	20
4	1	0	1	20	25
5	1	19	1	20	20
6	1	38	1	25	20
7	2	2	0	20	15
8	2	21	1	25	20
9	2	40	0	15	30
10	2	58	1	20	10
11	3	17	0	5	10
12	3	36	1	20	25
13	3	55	1	10	40
14	4	14	1	15	35
15	4	32	1	30	25
16	4	51	1	20	25
17	5	10	1	5	20
18	5	29	1	10	10
19	5	47	1	5	30
20	6	6	1	15	40
21	6	25	1	10	35
22	6	44	1	15	10
23	7	3	1	5	20
24	7	21	0	15	20
25	7	40	1	25	10
26	7	59	0	20	10
27	8	18	1	10	20
28	8	36	1	20	2
29	8	55	1	5	2
30	9	14	1	25	3
31	9	33	1	0	1
32	9	51	1	15	2
33	10	10	1	15	1
34	10	29	1	20	2
35	10	48	1	10	1
36	11	7	1	25	3
37	11	25	1	20	1
38	11	44	1	5	2
39	12	3	1	10	3
40	12	22	1	20	3

2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
1	20	20	0	0	10	6	12
1	15	10	0	0	5	12	10
1	10	20	0	20	5	10	12
1	20	25	0	0	5	18	12
1	20	20	0	15	10	20	10
1	25	20	0	10	5	14	8
0	20	15	0	10	5	16	2
1	25	20	0	10	10	6	6
0	15	30	0	15	5	20	6
1	20	10	0	5	20	6	10
0	5	10	0	5	0	14	6
1	20	25	0	20	5	16	4
1	10	40	0	20	15	10	14
1	15	35	0	10	20	20	10
1	30	25	0	10	20	22	10
1	20	25	32	3030	3005	42	46
1	5	20	27	3005	3010	42	44
1	10	10	42	2985	3005	52	40
1	5	30	41	2965	3000	42	44
1	15	40	40	2995	2980	48	40
1	10	35	27	3000	2985	48	40
1	15	10	41	2965	2990	44	36
1	5	20	24	2920	3000	40	40
0	15	20	36	3100	3005	46	40
1	25	10	35	2955	2970	54	36
0	20	10	22	2920	2980	48	40
1	10	20	22	2925	3005	48	40
1	20	25	22	3010	3000	46	34
1	5	20	41	2970	2965	40	36
1	25	30	41	3005	2945	44	34
1	0	15	20	2920	3000	52	32
1	15	20	21	2920	2970	42	40
1	15	15	33	3020	3000	46	44
1	20	25	22	3100	2975	44	40
1	15	15	27	2955	2965	44	44
1	25	30	34	2995	3005	42	42
1	20	15	34	3020	2995	56	38
1	5	20	33	3020	2990	54	42
1	10	30	22	2900	3005	46	42
1	20	30	41	2955	2970	42	32

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG
41	12	40	1	25	15
42	12	59	1	5	40
43	13	18	0	20	25
44	13	37	0	25	30
45	13	55	1	20	5
46	14	14	1	15	15
47	14	33	2	15	20
48	14	52	1	15	15
49	15	10	1	5	25
50	15	29	1	10	15
51	15	48	1	5	25
52	16	7	1	20	15
53	16	26	1	20	15
54	16	44	1	15	5
55	17	3	1	5	30
56	17	22	1	0	20
57	17	41	1	15	20
58	17	59	1	10	30
59	18	18	1	5	20
60	18	37	1	15	20
61	18	56	1	15	15
62	19	14	1	20	15
63	19	33	1	10	30
64	19	52	1	5	20
65	20	11	1	15	15
66	20	29	1	10	15
67	20	48	1	20	15
68	21	7	1	15	40
69	21	26	1	5	25
70	21	44	1	5	20
71	22	3	1	10	25
72	22	22	1	10	15
73	22	41	1	5	25
74	22	59	1	20	15
75	23	18	1	10	20
76	23	37	2	20	15
77	23	56	1	20	35
78	24	15	1	20	15
79	24	33	1	30	30
80	24	52	2	20	40
81	25	11	1	15	25
82	25	30	1	20	15
83	25	48	1	20	25
84	26	7	1	20	30
85	26	14	1	15	20
86	26	33	2	10	15
87	26	52	2	5	
88	27	10	2	5	20
89	27	29	2	5	35
90	27	48	1	5	20

2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
1	25	15	25	2945	2955	44	40
1	5	40	21	3000	2965	50	44
0	20	25	27	2720	2900	48	42
0	25	30	40	2860	2750	52	34
1	20	5	28	2880	2860	1042	1036
1	15	15	33	2870	2950	1052	1040
2	15	20	21	2830	2770	1066	1056
1	15	15	34	2880	2940	1044	1028
1	5	25	20	2995	2925	1030	1040
1	10	15	33	2900	2930	1044	1036
1	5	25	24	2945	2935	1032	1026
1	20	15	20	2945	2940	1044	1026
1	20	15	34	2870	2925	1040	1026
1	15	5	33	2915	2935	1034	1026
1	5	30	27	3020	2925	1040	1030
1	0	20	30	2995	2945	1032	1028
1	15	20	25	3020	2950	1030	1022
1	10	30	37	2875	2950	1040	1026
1	5	20	33	3020	2960	1030	1024
1	15	20	0	0	5	6	0
1	15	15	0	10	5	8	2
1	20	15	0	20	0	8	2
1	10	30	0	5	0	6	0
1	5	20	0	5	0	2	0
1	15	15	0	10	0	6	0
1	10	15	0	15	5	6	2
1	20	15	0	20	0	6	0
1	15	40	0	30	5	8	2
1	5	25	23	2870	2930	1040	1024
1	5	20	20	2955	2945	1028	1028
1	10	25	40	2955	2915	1040	1028
1	10	15	20	2920	2935	1036	1036
1	5	25	22	2960	2945	1028	1022
1	20	15	0	15	-20	6	2
1	10	20	0	5	0	8	0
2	20	15	0	10	-5	8	-6
1	20	35	0	10	5	0	4
1	20	15	0	15	5	8	2
1	30	30	0	20	5	8	2
2	20	40	0	10	10	6	0
1	15	25	-1	5	5	0	4
1	20	15	-1	10	0	2	-6
1	20	25	-1	10	0	4	4
1	20	30	-1	10	0	4	4
1	15	20	-1	0	-5	6	0
2	10	15	-1	0	0	10	0
2	5	5	-1	5	0	8	0
2	5	20	-1	0	-5	6	0
2	5	35	-2	5	-15	8	2
1	5	20	-1	5	0	4	4

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG
91	28	7	1	10	15
92	28	26	2	10	30
93	28	44	1	15	15
94	29	3	1	20	15
95	29	22	1	0	10
96	29	41	2	0	20
97	29	59	1	10	15
98	30	18	1	10	5
99	30	37	1	10	5
100	30	56	2	15	20
101	31	15	2	15	10
102	31	33	1	5	10
103	31	52	2	5	25
104	32	11	2	30	15
105	32	30	2	10	20
106	32	48	2	5	20
107	33	7	2	20	10
108	33	26	1	20	25
109	33	45	1	10	15
110	34	4	1	15	5
111	34	22	2	0	20
112	34	41	2	10	15
113	35	0	1	20	15
114	35	19	1	25	15
115	35	37	1	20	25
116	35	56	2	0	20
117	36	15	2	20	20
118	36	34	2	10	10
119	36	53	2	5	25
120	37	11	2	5	10
121	37	30	2	5	5
122	37	49	2	5	20
123	38	8	2	20	10
124	38	26	2	0	25
125	38	45	1	5	15
126	39	4	2	5	30
127	39	23	2	10	30
128	39	42	2	5	20
129	40	0	2	0	15
130	40	19	2	20	25
131	40	38	2	5	20
132	40	57	2	10	20
133	41	15	2	10	20
134	41	34	2	20	0
135	41	53	2	15	15
136	42	12	2	5	10
137	42	31	1	100	135
138	42	49	20	2810	2805
139	43	8	30	2900	90
140	43	27	30	2875	2885

2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
1	10	15	-2	5	0	8	4
2	10	30	-1	5	10	2	12
1	15	15	-1	10	-20	6	0
1	20	15	-1	5	0	8	2
1	0	10	-2	10	0	4	6
2	0	20	-1	0	-5	4	4
1	10	15	-1	5	-10	12	2
1	10	5	-2	15	0	8	4
1	10	5	-2	5	0	8	4
2	15	20	3	800	1425	34	36
2	15	10	22	2960	2970	1042	1036
1	5	10	41	2955	2955	1034	1036
2	5	25	36	3020	2965	1040	1036
2	30	15	24	2955	2950	1044	1026
2	10	20	41	2955	2950	1044	1036
2	5	20	26	2960	2925	1040	1032
2	20	10	24	2945	2905	1036	1026
1	20	25	27	2960	2950	1028	1024
1	10	15	27	2875	2925	1040	1030
1	15	5	21	2955	2970	1026	1026
2	0	20	-1	20	0	6	2
2	10	15	0	10	0	10	0
1	20	15	0	10	0	6	2
1	25	15	-1	5	0	14	0
1	20	25	-1	10	0	12	4
2	0	20	-1	10	0	8	0
2	20	20	-1	5	0	10	0
2	10	10	0	0	0	8	0
2	5	25	-1	5	5	2	2
2	5	10	-1	5	0	2	0
2	5	5	-1	0	0	6	0
2	5	20	-1	10	0	2	0
2	20	10	-1	0	10	8	0
2	0	25	-1	15	0	0	6
1	5	15	-1	10	-5	8	2
2	5	30	14	3470	2765	38	32
2	10	50	36	3000	2925	1022	1022
2	5	20	40	2995	2945	1038	1024
2	0	15	33	2920	2950	1022	1018
2	20	25	41	2955	2945	1030	1022
2	5	20	32	2955	2940	1032	1028
2	10	20	41	2915	2930	1030	1026
2	10	20	36	3000	2945	1028	1028
2	20	0	44	2960	2950	1028	1030
2	15	15	29	2940	2940	1022	1022
2	5	10	34	3020	2930	1022	1018
1	100	135	27	2925	2930	1030	1022
20	2810	2805	40	2945	2925	1020	1024
30	2900	50	33	3020	2915	40	26
30	2875	2885	29	2940	2915	1020	1014

2

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG
141	43	46	31	2875	2910
142	44	4	44	2900	2900
143	44	23	30	2875	2900
144	44	42	41	2900	2885
145	45	1	31	2860	2875
146	45	19	23	2905	2925
147	45	38	38	2910	2915
148	45	57	34	2915	3000
149	46	16	13	2960	2960
150	46	35	26	2960	2965
151	46	53	30	3045	3000
152	47	12	29	3005	2965
153	47	31	22	2960	2960
154	47	50	26	3045	3000
155	48	8	27	2865	3005
156	48	27	41	2865	3020
157	48	46	27	2960	2960
158	49	5	22	2995	3005
159	49	23	35	2960	2960
160	49	42	41	2875	2980
161	50	1	32	2915	3000
162	50	20	33	2945	2935
163	50	38	31	2960	2960
164	50	57	25	2895	2935
165	51	16	26	2960	2960
166	51	35	45	3000	2960
167	51	54	32	2870	3000
168	52	12	42	2960	2980
169	52	31	42	2960	2935
170	52	50	32	2880	3000
171	53	9	36	2895	3000
172	53	27	26	2960	2945
173	53	46	22	2720	2760
174	54	5	0	-15	20
175	54	24	0	-10	15
176	54	48	1	0	25
177	55	7	0	0	5
178	55	26	0	0	10
179	55	45	0	5	5
180	56	4	0	0	5
181	56	22	0	0	5
182	56	41	1	0	10
183	57	0	1	5	10
184	57	19	0	5	10
185	57	38	1	0	25
186	57	56	0	5	10
187	58	15	0	0	5
188	58	34	0	10	0
189	58	53	0	5	0
190	59	12	0	255	280

009

2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
31	2875	2910	16	2945	2930	1012	1012
44	2900	2900	30	2940	2930	1020	1014
30	2875	2900	33	2880	2915	1026	1020
41	2900	2885	20	2945	2915	1022	1018
31	2860	2875	44	2940	2940	1026	1020
23	2905	2925	22	2950	2950	1018	1016
38	2910	2915	20	2915	2920	1028	1010
34	2915	3000	22	2955	2955	1020	1014
13	2960	2960	32	2880	2940	1020	1014
26	2960	2965	33	2880	2900	1024	1020
30	3045	3000	20	2940	2935	1026	1018
29	3005	2965	40	2920	2920	1024	1020
22	2960	2950	29	2920	2915	1026	1012
26	3045	3000	33	2955	2960	1028	1016
27	2865	3005	33	2955	2940	1026	1016
41	2865	3020	24	2945	2930	1024	1022
27	2960	2950	27	3020	2915	1022	1014
22	2995	3005	22	2955	2915	1020	1018
35	2960	2960	40	2905	2920	1026	1020
41	2875	2980	33	2925	2920	1026	1016
32	2915	3000	40	2945	2920	1024	1014
33	2945	2935	44	2960	2940	1020	1018
31	2960	2960	26	2875	2930	1022	1014
25	2895	2935	41	2945	2915	1026	1012
26	2960	2960	26	3010	2950	1020	1020
45	3000	2960	41	3000	2930	1018	1020
32	2870	3000	27	2880	2915	1024	1016
42	2960	2980	29	3020	2930	1018	1020
42	2960	2935	27	3000	2930	1024	1020
32	2880	3000	33	2965	2920	1026	1012
36	2895	3000	33	2955	2930	1018	1020
26	2960	2945	25	3000	2940	1022	1016
22	2720	2760	33	2880	2915	1014	1012
0	-15	20	33	2870	2950	1026	1012
0	-10	15	33	2945	2915	1030	1012
1	0	25	-2	0	5	8	4
0	0	5	-2	0	-25	8	0
0	0	10	-3	10	0	4	6
0	5	5	-2	5	0	10	2
0	0	5	-2	-25	0	8	0
0	0	5	-2	0	0	6	0
1	0	10	-2	0	-15	6	4
1	5	10	-2	0	20	6	8
0	5	10	24	2875	3100	40	30
1	0	25	32	3000	2965	1040	1040
0	0	10	29	2935	2950	1042	1036
0	0	5	20	2960	2950	1040	1044
0	10	0	33	3000	2925	1048	1030
0	5	0	27	3000	2910	1040	1036
0	255	280	40	3000	2960	1040	1034

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL. PSIG
191	59	30	81	2750	2735
192	59	49	18	2815	2850
193	60	8	25	2900	2855
194	60	27	31	2850	2850
195	60	45	38	2855	2875
196	61	4	43	2940	2930
197	61	23	32	3000	3000
198	61	42	40	2930	3000
199	62	1	30	3020	3000
200	62	19	31	3020	2930
201	62	38	22	2950	2970
202	62	57	22	2980	2970
203	63	16	33	2960	2930
204	63	34	32	2960	2980
205	63	53	36	2915	3000
206	64	12	32	2865	2945
207	64	31	35	2960	2920
208	64	49	33	2960	2960
209	65	8	32	2915	2915
210	65	27	36	3005	2955
211	65	46	33	2960	2960
212	66	5	26	2940	2960
213	66	23	39	3045	2865
214	66	42	26	2865	2960
215	67	1	31	3000	2945
216	67	20	17	3000	2910
217	67	38	32	2880	2930
218	67	57	32	2960	2960
219	68	16	33	2865	2920
220	68	35	33	2865	2925
221	68	54	24	2880	2915
222	69	12	32	2870	2955
223	69	31	32	2960	2955
224	69	50	32	2930	2965
225	70	9	33	2960	2945
226	70	27	26	2865	2925
227	70	46	22	2805	2915
228	71	5	40	3045	2915
229	71	24	22	2960	2955
230	71	42	33	2870	2950
231	72	1	35	2960	2925
232	72	20	32	2945	3000
233	72	39	35	2950	2915
234	72	58	31	2910	2925
235	73	16	37	2865	2935
236	73	35	30	2960	2960
237	73	54	26	2865	2925
238	74	13	26	2950	2925
239	74	31	27	3005	2945
240	74	50	33	2865	2925

2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
81	2750	2735	34	2900	2950	1030	1036
18	2815	2850	33	3020	2925	1042	1032
25	2900	2855	40	2960	2935	1030	1036
31	2850	2850	41	2945	2930	1044	1026
38	2855	2875	22	2880	2950	1034	1028
43	2940	2930	33	2900	2925	1028	1026
32	3000	3000	27	3020	2950	1036	1036
40	2930	3000	33	2955	2915	1024	1020
30	3020	3000	27	2870	2920	1026	1020
31	3020	2930	27	2870	2930	1028	1028
22	2950	2970	25	3020	2920	1024	1028
22	2980	2970	24	2960	2940	1024	1020
33	2960	2930	40	3000	2915	1036	1026
32	2960	2980	33	2945	2925	1024	1020
36	2915	3000	24	2920	2925	1030	1024
39	2865	2945	25	2870	2920	1028	1018
35	2960	2920	33	2865	2900	1028	1014
33	2960	2960	25	2920	2905	1020	1018
32	2915	2915	20	2910	2905	1020	1020
36	3005	2955	20	2940	2920	1022	1014
33	2960	2960	33	2955	2925	1028	1020
26	2940	2960	40	2900	2925	1012	1020
39	3045	2865	25	2955	2960	1024	1010
26	2865	2960	25	2945	2910	1028	1006
31	3000	2945	33	2870	2915	1020	1010
17	3000	2910	22	2960	2925	1026	1016
32	2880	2930	27	3000	2920	1022	1020
32	2960	2960	36	3020	2900	1022	1010
33	2865	2920	21	2880	2925	1016	1020
33	2865	2925	41	3000	2915	1028	1012
24	2880	2915	41	2865	2925	1020	1012
32	2870	2930	23	3000	2920	1024	1014
32	2960	2950	40	2945	2920	1012	1012
32	2930	2960	40	2958	2910	1014	1016
33	2960	2945	21	2920	2920	1016	1006
26	2865	2920	22	2880	2905	1018	1012
22	2805	2915	34	3020	2920	1014	1020
40	3045	2915	33	3020	2900	1010	1008
22	2960	2935	22	2950	2910	1006	1010
33	2870	2900	25	2880	2955	1024	1012
35	2960	2920	26	2940	2915	1018	1006
32	2945	3000	33	2915	2920	1012	1006
35	2950	2910	34	2805	2920	1014	1004
31	2910	2920	33	2945	2910	1006	1008
37	2865	2930	24	3020	2910	1008	1002
30	2960	2960	33	2945	2920	1006	1016
26	2865	2925	20	2905	2885	1016	1012
26	2950	2920	33	2900	2915	1016	1006
27	3005	2945	22	2940	2940	1006	1008
33	2865	2920	25	2870	2905	1010	1006

2

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG
241	75	9	24	2960	2960
242	75	28	41	2960	2950
243	75	46	31	2860	2930
244	76	5	30	2905	2930
245	76	24	30	2825	2860
246	76	43	41	2800	2840
247	77	2	31	2745	2800
248	77	20	31	2685	2760
249	77	39	46	2650	2695
250	77	58	8	2185	2220
251	78	17	22	1530	1580
252	78	35	22	1150	1200
253	78	54	8	830	850
254	79	13	5	605	655
255	79	32	6	515	565
256	79	50	5	390	420
257	80	9	4	305	350
258	80	28	2	165	190
259	80	47	1	55	100
260	81	5	0	0	25
261	81	24	0	-35	15
262	81	43	0	0	15
263	82	2	0	-35	10
264	82	21	0	-45	0
265	82	39	0	-30	5
266	82	58	0	-35	5
267	83	17	0	-30	5
268	83	36	0	-35	5
269	83	54	0	-30	0
270	84	13	0	-30	10
271	84	32	0	-30	5
272	84	51	0	-20	5
273	85	9	0	-35	-10
274	85	28	0	-35	5
275	85	47	0	-30	-5
276	86	6	0	-30	5
277	86	24	0	-40	
279	87	2	0	-30	-1
280	87	21	0	-20	-2
281	87	39	0	-35	
282	87	58	0	-30	
283	88	17	0	-25	
284	88	36	0	-20	-
285	88	54	0	-35	
286	89	13	0	-45	-1
287	89	32	0	-35	
288	89	51	0	-30	
289	90	9	0	-30	
290	90	28	0	-20	-1

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2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
24	2960	2960	32	2880	2905	1020	1012
41	2960	2950	34	2875	2930	1018	1014
31	2860	2930	27	2880	2930	1016	1010
30	2905	2930	22	2955	2905	1020	1012
30	2825	2860	33	2870	2930	1010	1008
41	2800	2840	33	2945	2920	1008	1008
31	2745	2800	33	2870	2920	1006	1006
31	2685	2760	27	3000	2915	1008	1010
46	2650	2695	25	3000	2920	1014	1008
8	2185	2220	33	2880	2920	1012	1004
22	1530	1580	29	2940	2920	1004	1008
22	1150	1200	36	3000	2920	1006	1006
8	890	850	22	2955	2940	1006	1004
5	605	655	40	2940	2920	1010	1004
6	515	565	27	2860	2930	1012	1008
5	390	420	33	2870	2910	1014	1002
4	305	350	21	2950	2940	1010	1004
2	165	190	33	2880	2930	1008	1004
1	55	100	32	2870	2910	1018	1008
0	0	25	33	2910	2925	1006	1006
0	-35	15	27	2920	2935	1006	*
0	0	15	21	2885	2925	1016	1008
0	-35	10	27	3000	2925	1004	1006
0	-45	0	26	2920	2920	1006	1006
0	-30	5	40	2940	2910	1002	1000
0	-35	5	29	2940	2915	1002	1004
0	-30	5	27	3000	2900	1000	1000
0	-35	5	22	2955	2900	1012	1002
0	-30	0	22	2955	2900	1008	1000
0	-30	10	30	2940	2905	1004	1004
0	-30	5	32	2870	2895	1004	998
0	-20	5	21	2915	2910	1012	1000
0	-35	-10	41	2945	2910	990	992
0	-25	0	21	2885	2910	1000	998
0	-30	-5	21	2950	2885	988	1000
0	-30	0	27	2920	2905	1002	1000
0	-40	0	36	2870	2900	1002	996
0	-30	-15	20	2945	2900	992	992
0	-20	-25	33	2880	2890	1004	990
0	-35	0	21	2905	2885	986	988
0	-30	0	27	2865	2895	1000	990
0	-25	5	20	2915	2895	1002	990
0	-20	-5	27	2860	2885	1000	986
0	-35	0	29	2865	2900	1004	994
0	-45	-15	24	2860	2885	984	992
0	-35	0	33	2860	2890	996	996
0	-30	0	40	2860	2875	1002	986
0	-30	0	33	2870	2895	986	994
0	-20	-15	24	2905	2900	1002	994

2

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG
291	90	47	0	-30	-15
292	91	6	1	0	-5
293	91	24	1	-40	-5
294	*	*	*	*	*

2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLEY PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
0	-30	-15	21	2880	2865	12	4
1	0	-5	27	2900	2940	20	14
1	-40	-5	27	2940	2905	10	12
*	*	*	*	*	*	*	*

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HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
1	10	0	35	16	6
2	6	0	45	10	6
3	12	0	40	8	16
4	10	1	40	10	6
5	10	1	40	14	10
6	10	0	45	16	14
7	16	0	35	14	16
8	14	0	45	10	10
9	20	0	35	16	6
10	10	1	40	16	10
11	10	0	25	20	14
12	16	0	40	10	6
13	20	1	30	14	8
14	10	0	25	14	16
15	16	1	55	14	10
16	48	30	3010	14	1448
17	44	32	2925	16	1448
18	40	32	2970	4	1460
19	40	29	2935	10	1458
20	44	27	3050	16	1454
21	42	30	2925	20	1456
22	44	30	3055	4	1458
23	42	32	2915	16	1454
24	46	30	3000	16	1460
25	42	30	2905	10	1460
26	42	32	3100	20	1454
27	46	31	2945	6	1458
28	44	30	3110	10	1452
29	42	32	2920	10	1456
30	42	31	3050	12	1460
31	42	31	3035	14	1456
32	52	31	3040	16	1450
33	46	31	3050	10	1452
34	44	31	2905	18	1446
35	50	32	3025	12	1460
36	46	30	3000	20	1454
37	48	30	3050	14	1450
38	48	30	3000	12	1456
39	46	30	3000	12	1452
40	52	31	3065	10	1452

CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
41	50	31	2925	18	1454
42	48	31	3035	16	1450
43	48	31	2950	10	1478
44	48	30	2955	10	1382
45	46	30	2900	10	1454
46	44	30	2935	8	1450
47	46	31	3000	10	1452
48	42	27	2905	8	1450
49	44	32	2900	12	1450
50	42	30	2905	6	1444
51	42	29	2920	18	1452
52	40	30	2955	6	1448
53	42	30	2950	6	1446
54	42	29	2985	8	1450
55	44	32	2990	12	1448
56	40	32	2915	16	1446
57	42	30	2940	6	1446
58	48	27	2910	12	1452
59	52	32	2970	6	1446
60	12	0	30	20	6
61	16	0	25	6	12
62	12	0	40	10	8
63	10	0	15	20	10
64	14	0	15	8	12
65	10	0	15	16	8
66	16	1	15	14	8
67	10	0	25	12	12
68	18	1	65	12	24
69	40	24	2850	16	1448
70	40	27	3010	6	1448
71	42	30	2985	14	1448
72	56	30	3000	14	1458
73	50	30	2860	10	1460
74	12	0	15	12	2
75	12	0	40	12	6
76	12	0	25	6	4
77	8	0	15	14	4
78	8	0	20	14	8
79	16	0	50	14	12
80	10	1	15	16	4
81	6	0	10	12	2
82	8	0	25	10	4
83	16	0	30	6	4
84	6	0	30	14	8
85	4	0	25	12	2
86	6	-1	10	16	2
87	4	-1	40	4	2
88	2	0	25	10	2
89	0	0	25	14	0
90	6	-1	15	10	4

CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
91	8	-1	25	10	0
92	2	0	20	14	0
93	8	-1	30	10	4
94	6	-1	25	14	0
95	4	0	25	14	2
96	6	0	25	10	0
97	8	-1	25	14	8
98	4	-1	20	12	0
99	8	0	25	10	0
100	14	23	2825	20	1430
101	42	27	2870	16	1452
102	42	27	2865	16	1446
103	40	27	2940	16	1448
104	44	27	2910	16	1446
105	40	29	2885	20	1448
106	34	32	2920	16	1442
107	40	29	2910	12	1446
108	36	26	2940	6	1456
109	46	25	3000	10	1452
110	48	32	2820	10	1456
111	6	0	25	16	4
112	14	0	30	8	4
113	8	0	30	14	0
114	6	0	30	12	8
115	4	0	30	12	0
116	6	1	20	12	2
117	6	0	30	8	4
118	12	0	25	8	6
119	8	0	5	12	0
120	8	0	30	16	0
121	4	0	30	20	2
122	8	0	35	10	4
123	10	0	25	8	4
124	8	0	20	18	4
125	8	0	15	12	8
126	38	26	2815	16	1450
127	38	24	2990	16	1442
128	30	27	2900	12	1442
129	32	32	3020	12	1442
130	40	29	2950	12	1442
131	48	31	3000	12	1456
132	40	29	2850	12	1448
133	38	29	3100	12	1440
134	40	31	2980	6	1442
135	44	32	3100	6	1448
136	40	34	3005	6	1448
137	40	30	2955	600	1448
138	40	29	3000	1476	1440
139	36	30	3000	42	1442
140	36	29	2925	1472	1440

CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. RCTARY RUDDER INLET PSIG
141	26	30	2910	1476	1440
142	34	29	3100	1476	1440
143	40	30	2950	1472	1442
144	32	26	2935	1478	1442
145	34	29	2945	1480	1446
146	34	30	3050	1476	1442
147	36	29	2940	1470	1440
148	40	29	3100	1474	1440
149	40	28	2990	1476	1440
150	40	29	2920	1482	1440
151	40	31	2955	1476	1444
152	38	29	3000	1470	1434
153	34	31	3000	1476	1442
154	38	30	2905	1466	1446
155	40	29	2945	1472	1444
156	34	28	2905	1466	1440
157	40	29	2950	1472	1440
158	40	30	3100	1466	1444
159	30	29	2935	1468	1440
160	38	32	2885	1468	1442
161	40	29	2980	1466	1440
162	36	28	2930	1474	1436
163	32	30	2950	1472	1434
164	36	30	2905	1466	1440
165	40	28	2885	1464	1438
166	34	30	2935	1464	1430
167	36	30	3000	1468	1438
168	40	29	2910	1468	1442
169	34	30	2900	1470	1434
170	36	30	2940	1470	1438
171	36	29	2905	1466	1436
172	26	29	2900	1472	1436
173	30	29	2895	1464	1430
174	34	30	2950	6	1434
175	36	28	2910	8	1436
176	4	0	15	8	-20
177	4	0	25	2	-26
178	0	0	40	10	-20
179	6	0	25	16	-14
180	8	0	25	6	-14
181	8	0	10	12	-12
182	6	0	10	10	-14
183	10	0	25	10	-10
184	36	29	2775	20	1424
185	34	26	2865	16	1426
186	34	27	2950	16	1424
187	34	29	3000	4	1426
188	40	26	3005	6	1426
189	44	23	3000	8	1434
190	42	31	3000	360	1430

CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
191	40	32	3000	1462	1428
192	40	32	2915	1468	1432
193	44	30	2955	1468	1430
194	40	27	2950	1466	1432
195	34	27	2910	1466	1430
196	36	30	2925	1466	1426
197	40	30	3040	1468	1422
198	40	31	3000	1468	1426
199	36	29	2910	1470	1426
200	36	28	2950	1466	1422
201	40	26	2960	1468	1422
202	40	30	2910	1462	1426
203	36	30	2925	1462	1422
204	32	30	3000	1470	1424
205	36	26	2960	1466	1422
206	34	26	3000	1462	1418
207	32	28	2900	1426	1378
208	34	29	3050	1470	1424
209	26	30	2935	1470	1424
210	36	29	2890	1472	1422
211	32	28	2930	1462	1426
212	32	28	2950	1464	1418
213	36	27	2778	1450	1490
214	40	32	3050	1462	1432
215	30	30	3050	1464	1432
216	26	30	2920	1466	1426
217	30	26	2955	1470	1428
218	30	29	2910	1466	1424
219	30	28	3000	1466	1424
220	34	30	2940	1458	1428
221	28	29	3000	1468	1426
222	30	29	2940	1468	1422
223	30	31	2905	1468	1420
224	36	29	2960	1458	1422
225	30	30	2990	1468	1422
226	40	27	2960	1464	1420
227	32	29	2975	1460	1424
228	26	27	2910	1460	1424
229	34	27	2995	1460	1422
230	30	27	3000	1458	1424
231	30	29	2885	1466	1420
232	34	31	2890	1460	1430
233	30	32	2890	1460	1426
234	30	27	2905	1464	1418
235	32	29	2925	1462	1422
236	26	29	2930	1460	1420
237	26	30	2905	1466	1420
238	36	29	2885	1460	1420
239	30	28	2905	1464	1424
240	30	28	2855	1462	1418

CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 ISTAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
241	40	27	2940	1464	1420
242	30	26	2905	1462	1426
243	30	29	2940	1464	1422
244	26	30	2855	1464	1420
245	30	30	3050	1460	1414
246	32	30	2900	1462	1420
247	30	29	2880	1458	1422
248	26	30	2865	1454	1424
249	40	25	2900	1458	1428
250	26	28	2925	1442	1426
251	26	29	2960	1432	1422
252	28	31	2930	1162	1420
253	30	33	2910	838	1422
254	32	27	3000	646	1422
255	30	32	2915	560	1422
256	32	27	2965	420	1422
257	32	32	2940	324	1422
258	32	33	2875	180	1424
259	30	30	3000	80	1422
260	34	31	2940	28	1420
261	•	•	•	•	•
262	34	30	3000	8	1422
263	32	28	2950	12	1420
264	28	29	2950	16	1422
265	26	29	3000	6	1416
266	22	31	2905	6	1412
267	28	32	2860	6	1420
268	28	29	3050	6	1420
269	28	28	3000	4	1420
270	24	30	3000	4	1416
271	26	30	2900	6	1416
272	28	29	3000	4	1410
273	26	31	2925	4	1410
274	20	29	2870	6	1408
275	22	30	3000	2	1410
276	28	27	3000	2	1414
277	26	29	2910	2	1406
278	278	46	2905	2148	3080
279	24	30	2920	6	1410
280	22	30	2920	2	1410
281	22	29	2855	8	1410
282	22	28	2890	6	1412
283	26	29	3000	6	1416
284	22	30	2885	2	1414
285	24	31	2950	2	1414
286	22	32	2900	8	1406
287	20	32	2905	6	1406
288	24	30	2905	8	1412
289	24	29	2950	4	1404
290	24	27	2910	6	1416

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CM	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
291	22	31	2950	4	1422
292	22	28	2865	12	1414
293	22	30	2930	8	1416
294	*	*	*	*	*

MH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CN	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER AIR TEMP INTC COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP CUT .F
1	0	6	126	123
2	0	25	125	123
3	0	44	125	123
4	1	3	125	123
5	1	21	125	123
6	1	40	125	123
7	2	4	125	124
8	2	23	123	123
9	2	42	124	123
10	3	1	123	124
11	3	20	124	123
12	3	38	123	123
13	3	57	123	122
14	4	16	124	123
15	4	35	124	124
16	4	54	124	123
17	5	12	124	122
18	5	31	123	123
19	5	50	127	126
20	6	9	126	128
21	6	27	122	131
22	6	46	127	131
23	7	5	124	131
24	7	24	126	133
25	7	42	127	135
26	8	1	125	135
27	8	20	126	135
28	8	39	123	135
29	8	58	126	135
30	9	16	124	133
31	9	35	122	134
32	9	54	121	137
33	10	13	122	137
34	10	31	127	135
35	10	50	126	136
36	11	9	126	137
37	11	28	129	135
38	11	46	122	138
39	12	5	127	137
40	12	24	129	139
			131	137

H-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP CUT DEG.F	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.F	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.F	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.F	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.F	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.F
6	126	123	123	123	121	122	123
25	125	123	121	122	122	123	123
44	125	123	123	121	121	122	123
3	125	123	122	122	121	121	123
21	125	123	124	122	121	122	123
40	125	124	123	123	123	122	124
4	123	123	122	122	121	121	123
23	124	123	122	121	121	122	124
42	123	124	122	122	122	122	123
1	124	123	123	122	121	122	124
20	123	123	123	121	121	121	124
38	123	122	122	123	122	122	124
57	124	123	122	123	122	122	124
16	124	124	123	123	121	123	124
35	124	123	123	122	121	123	125
54	124	122	123	122	121	123	124
12	123	123	123	122	121	123	123
31	127	126	123	125	121	121	123
50	126	128	128	127	122	121	123
9	122	131	129	131	123	120	123
27	127	131	130	133	124	121	123
46	124	131	133	131	124	120	123
5	126	133	133	133	125	123	124
24	127	135	133	135	123	121	124
42	125	135	134	134	123	121	125
1	126	135	135	135	123	121	125
20	123	135	135	135	123	126	125
39	126	135	135	135	125	124	124
58	124	133	133	135	124	127	124
16	122	134	135	134	123	127	124
35	121	137	137	136	125	129	123
54	122	137	136	138	125	129	125
13	127	135	134	135	125	128	126
31	126	136	137	137	135	131	125
50	126	137	136	137	137	128	125
9	129	135	135	137	135	130	125
28	122	138	136	137	136	131	126
46	127	137	137	137	136	130	127
5	129	139	138	138	137	131	126
24	131	137	139	138	137	131	126

CN	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER AIR TEMP INTC COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.F
41	12	43	130	138
42	13	2	123	139
43	13	20	129	137
44	13	39	127	137
45	13	58	129	138
46	14	17	125	138
47	14	35	128	139
48	14	54	129	137
49	15	13	129	139
50	15	32	124	139
51	15	50	129	139
52	16	9	126	140
53	16	28	127	139
54	16	47	127	137
55	17	5	129	139
56	17	24	126	139
57	17	43	128	137
58	18	2	129	140
59	18	20	139	142
60	18	39	126	138
61	18	58	127	138
62	19	17	128	139
63	19	35	129	139
64	19	54	129	139
65	20	13	131	139
66	20	32	133	139
67	20	51	134	139
68	21	9	135	139
69	21	28	128	142
70	21	47	127	142
71	22	6	128	141
72	22	24	123	142
73	22	43	125	141
74	23	2	126	139
75	23	21	128	140
76	23	39	128	139
77	23	58	129	140
78	24	17	131	140
79	24	36	133	140
80	24	54	133	140
81	25	13	135	139
82	25	32	136	139
83	25	51	137	139
84	26	9	139	141
85	26	16	151	138
86	26	35	151	137
87	26	54	149	137
88	27	13	151	137
89	27	30	151	137
90	27	50	151	137

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3-05 HEATER AIR TEMP INTC COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.F	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.F	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.F	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.F	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.F	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.F
130	138	139	137	137	133	127
123	139	137	139	137	131	126
129	137	137	137	136	133	127
127	137	139	138	137	132	126
129	138	139	139	137	133	126
125	138	138	139	137	133	127
128	139	139	139	137	131	127
129	137	138	139	137	133	126
129	139	139	139	137	131	126
124	139	139	140	137	132	126
129	139	138	139	136	131	126
126	140	139	139	137	132	127
127	139	137	139	137	131	127
127	137	139	138	137	133	126
129	139	140	139	136	133	127
126	139	140	139	131	134	127
128	137	139	137	129	134	126
129	140	139	139	128	133	127
139	142	142	138	129	135	127
126	138	138	138	127	131	127
127	138	137	138	127	131	127
128	139	138	137	127	130	127
129	139	139	137	127	130	127
129	139	138	137	127	130	127
131	139	137	138	127	130	127
133	139	138	137	127	129	128
134	139	137	138	127	130	128
135	139	137	137	127	130	128
128	142	139	141	127	135	128
127	142	143	141	127	134	127
128	141	141	141	127	133	126
123	142	139	139	128	134	126
125	141	139	139	127	134	126
126	139	139	140	127	133	127
128	140	139	139	127	131	127
128	139	139	139	127	131	127
129	140	139	139	127	131	127
131	140	139	139	127	131	127
133	140	139	139	127	131	128
133	140	139	139	127	131	127
135	139	138	138	127	129	127
136	139	138	137	127	129	127
137	139	138	137	127	131	127
139	141	137	137	126	131	127
151	138	132	130	125	126	125
151	137	133	130	125	127	126
149	137	133	130	125	127	126
151	137	133	130	125	126	126
151	137	132	130	126	126	125
151	137	131	130	125	126	126

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CN	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.F
91	28	9	150	137
92	28	28	150	137
93	28	47	151	137
94	29	5	151	137
95	29	24	151	137
96	29	43	150	137
97	30	2	150	137
98	30	21	150	136
99	30	39	152	138
100	30	58	153	138
101	31	17	131	140
102	31	36	131	141
103	31	55	125	142
104	32	13	127	141
105	32	32	126	141
106	32	51	129	139
107	33	10	129	137
108	33	28	126	141
109	33	47	126	140
110	34	6	133	141
111	34	25	128	140
112	34	43	129	141
113	35	2	131	140
114	35	21	131	140
115	35	40	133	140
116	35	59	134	139
117	36	17	134	139
118	36	36	135	140
119	36	55	137	139
120	37	14	137	139
121	37	33	139	139
122	37	51	139	139
123	38	10	140	139
124	38	29	142	139
125	38	48	143	140
126	39	6	136	139
127	39	25	132	143
128	39	44	130	143
129	40	3	128	142
130	40	21	124	141
131	40	40	130	140
132	40	59	129	139
133	41	18	128	139
134	41	37	128	139
135	41	55	124	140
136	42	14	129	139
137	42	33	129	140
138	42	52	132	141
139	43	10	134	142
140	43	29	131	141

3-05 HEATER AIR TEMP INTC COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP CUT DEG.F	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.F	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.F	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.F	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.F	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.F
150	137	132	130	127	126	125
150	137	131	129	125	127	126
151	137	133	130	126	126	126
151	137	133	130	125	126	125
151	137	131	130	125	126	125
150	137	132	130	125	126	126
150	137	131	129	125	126	126
150	136	131	131	125	125	126
152	138	133	131	126	127	127
153	138	138	129	125	129	127
131	140	138	139	124	133	126
131	141	140	141	126	131	127
125	142	141	141	126	131	127
127	141	141	139	126	133	126
126	141	139	140	126	133	127
129	139	140	139	126	134	126
129	137	139	139	126	133	127
126	141	139	141	127	131	129
126	140	141	141	127	133	128
133	141	138	139	127	135	127
128	140	139	139	126	133	127
129	141	141	139	126	131	127
131	140	139	140	126	130	127
131	140	139	139	127	130	127
133	140	139	139	126	131	127
134	139	139	139	126	131	127
134	139	139	138	127	130	127
135	140	139	138	126	130	127
137	139	138	139	126	130	126
137	139	139	137	127	130	127
139	139	139	138	126	129	127
139	139	137	137	127	130	127
140	139	137	137	127	129	127
142	139	137	137	126	130	127
143	140	137	137	127	129	127
136	139	134	137	129	129	129
132	143	141	143	126	133	127
130	143	143	143	127	133	127
128	142	141	143	128	133	127
124	141	141	142	128	135	127
130	143	139	141	127	134	129
129	139	140	140	127	134	128
128	139	140	140	127	135	128
128	139	139	140	128	133	129
124	140	140	140	128	133	128
129	139	141	139	128	135	129
129	140	140	141	128	133	129
132	141	140	143	129	133	129
134	142	141	142	129	137	128
131	141	141	143	127	135	129

CN	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.F
141	43	48	133	143
142	44	7	127	143
143	44	26	131	142
144	44	44	132	143
145	45	3	133	141
146	45	22	133	143
147	45	41	128	143
148	45	59	129	143
149	46	18	126	143
150	46	37	128	141
151	46	56	129	141
152	47	14	129	141
153	47	33	127	141
154	47	52	128	141
155	48	11	130	140
156	48	29	131	141
157	48	48	132	141
158	49	7	126	141
159	49	26	127	143
160	49	45	129	141
161	50	3	128	142
162	50	22	131	141
163	50	41	127	143
164	51	0	133	141
165	51	18	126	143
166	51	37	126	140
167	51	56	131	144
168	52	15	131	145
169	52	33	131	141
170	52	52	131	142
171	53	11	131	139
172	53	30	126	143
173	53	49	129	142
174	54	7	129	141
175	54	26	127	143
176	54	51	157	139
177	55	10	158	139
178	55	28	157	139
179	55	47	157	139
180	56	6	157	139
181	56	25	157	139
182	56	44	158	139
183	57	2	157	139
184	57	21	157	139
185	57	40	154	139
186	57	59	136	139
187	58	18	130	139
188	58	36	124	139
189	58	55	128	139
190	59	14	124	139

3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.F	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.F	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.F	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.F	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.F	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.F
133	143	141	144	128	134	129
127	143	142	143	139	135	129
131	142	142	142	139	135	129
132	143	143	143	139	135	129
133	141	142	141	137	136	129
133	143	141	143	140	134	129
128	143	141	143	139	134	130
129	143	140	142	138	134	131
126	143	141	140	137	135	130
128	141	142	141	137	136	131
129	141	141	141	137	137	131
129	141	142	140	139	133	131
127	141	142	140	139	137	131
128	141	140	140	135	137	131
130	140	141	139	137	135	132
131	141	141	141	138	134	132
132	141	141	141	136	137	133
126	141	143	141	137	134	134
127	143	141	141	136	135	133
129	141	141	141	136	133	133
128	142	141	141	136	135	134
131	141	141	142	137	133	134
127	143	141	139	136	135	133
133	141	141	140	136	135	134
126	143	141	140	137	134	135
126	140	142	142	138	134	135
131	144	143	141	137	137	135
131	145	141	141	136	137	136
131	141	141	141	136	137	137
131	142	140	141	136	137	138
131	139	141	142	137	137	137
126	143	141	142	137	136	136
129	142	142	141	137	137	136
129	143	142	143	139	136	137
127	143	141	143	138	136	137
157	135	131	131	127	128	130
158	135	131	131	127	127	130
157	134	131	131	126	127	130
157	135	131	131	126	127	131
157	134	131	131	126	127	129
157	134	131	131	126	127	129
158	135	131	131	127	128	129
157	135	131	131	127	128	131
157	135	131	131	127	127	130
154	135	133	132	131	131	130
136	139	140	139	135	133	129
130	138	139	139	134	133	130
124	138	138	137	133	133	128
128	139	137	138	133	133	130
124	138	137	137	133	133	132

CN	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.F
191	59	33	127	138
192	59	51	126	141
193	60	10	133	140
194	60	29	133	143
195	60	48	131	142
196	61	7	126	139
197	61	25	127	142
198	61	44	133	141
199	62	3	130	140
200	62	22	127	143
201	62	40	129	143
202	62	59	127	143
203	63	18	129	143
204	63	37	129	143
205	63	56	128	143
206	64	14	129	139
207	64	33	126	139
208	64	52	125	139
209	65	11	126	140
210	65	29	127	137
211	65	48	124	136
212	66	7	126	135
213	66	26	124	135
214	66	44	128	138
215	67	3	129	140
216	67	22	128	137
217	67	41	125	139
218	68	0	127	139
219	68	18	126	139
220	68	37	124	139
221	68	56	129	139
222	69	15	124	140
223	69	33	126	139
224	69	52	123	139
225	70	11	124	138
226	70	30	124	139
227	70	48	125	137
228	71	7	123	139
229	71	26	126	139
230	71	45	127	139
231	72	4	126	139
232	72	22	126	139
233	72	41	127	138
234	73	0	126	138
235	73	19	129	138
236	73	37	124	138
237	73	56	127	138
238	74	15	126	138
239	74	34	127	138
240	74	53	129	138

3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.F	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.F	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.F	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.F	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.F	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.F
127	138	139	139	135	134	131
126	141	140	141	136	133	131
133	140	140	140	137	135	133
133	143	141	142	137	135	131
131	142	142	142	137	135	133
126	139	140	141	139	135	133
127	142	141	141	137	135	133
133	141	141	140	135	134	133
130	140	141	141	136	134	133
127	143	141	140	135	137	133
129	143	141	141	135	135	131
127	143	141	139	137	135	133
129	143	141	141	135	136	133
129	143	141	141	135	135	133
128	143	140	139	135	134	134
129	139	138	139	135	135	134
126	139	141	138	133	134	134
125	139	139	138	134	136	135
126	140	137	138	133	134	135
127	137	138	139	134	135	135
124	136	138	138	133	135	135
126	135	139	138	136	133	135
124	135	136	138	134	133	134
128	138	137	137	133	133	134
129	140	137	137	133	135	135
128	137	137	136	135	133	135
125	139	137	137	135	134	135
127	139	137	137	135	135	135
126	135	136	136	133	133	135
124	135	135	137	135	134	137
129	135	137	135	133	133	134
124	140	137	137	134	133	137
126	135	136	137	133	134	135
123	135	135	135	133	133	135
124	138	137	136	133	134	135
124	139	138	137	134	132	137
125	137	137	137	131	135	136
123	135	136	136	133	134	137
126	135	135	136	133	135	135
127	139	138	137	135	135	137
126	139	137	137	135	135	137
126	135	137	136	133	133	137
127	138	137	136	133	134	135
126	135	136	135	135	135	136
129	139	136	135	133	133	137
124	139	137	136	135	133	135
127	135	136	137	135	133	137
126	138	138	137	133	134	136
127	136	138	137	133	133	137
129	135	137	138	135	134	139

CP	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-05 HEATER PLENUM CHMBER TEMP OUT DEG.F
241	75	11	129	137
242	75	30	131	139
243	75	49	131	139
244	76	8	132	137
245	76	26	129	137
246	76	45	131	139
247	77	4	129	141
248	77	23	135	140
249	77	41	133	142
250	78	0	136	141
251	78	19	126	143
252	78	38	129	141
253	78	56	126	142
254	79	15	126	139
255	79	34	125	140
256	79	53	125	140
257	80	12	126	139
258	80	30	129	140
259	80	49	126	140
260	81	8	128	139
261	81	27	129	139
262	81	45	123	139
263	82	4	124	139
264	82	23	129	141
265	82	42	130	140
266	83	0	123	140
267	83	19	123	139
268	83	38	124	140
269	83	57	123	140
270	84	15	128	140
271	84	34	129	141
272	84	53	126	140
273	85	12	126	140
274	85	30	124	139
275	85	49	126	141
276	86	8	124	139
277	86	27	129	138
279	87	4	126	140
280	87	23	128	140
281	87	42	127	139
282	88	0	128	140
283	88	19	126	141
284	88	38	126	141
285	88	57	123	140
286	89	15	126	141
287	89	34	127	139
288	89	53	128	139
289	90	12	128	139
290	90	30	129	140

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3-05 HEATER AIR TEMP INTC COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.F	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.F	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.F	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.F	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.F	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.F
129	137	138	137	134	133	137
131	139	138	137	135	134	137
131	139	137	137	134	134	139
132	137	137	139	134	136	137
129	137	138	138	134	135	137
131	139	139	139	136	133	139
129	141	141	139	137	136	138
135	140	141	141	137	137	139
133	142	140	143	139	137	139
136	141	142	142	137	138	139
126	143	142	144	137	136	141
129	141	140	141	137	135	140
126	142	141	142	137	135	141
126	139	141	140	137	138	140
125	140	139	141	137	135	141
125	140	139	141	137	135	141
126	139	140	139	136	137	141
129	140	139	140	137	135	141
126	140	139	140	136	135	142
128	139	140	139	136	137	140
129	139	140	138	135	137	141
123	139	139	141	137	135	141
124	139	140	139	136	135	141
129	141	140	141	139	137	144
130	140	139	141	135	137	144
123	140	139	140	133	137	141
123	139	139	139	131	137	141
124	140	139	141	132	136	141
123	140	140	142	132	136	141
128	140	140	140	131	137	141
129	141	142	140	132	138	144
126	140	139	140	131	135	143
126	140	140	139	131	136	141
124	139	139	139	130	136	141
126	141	140	139	131	137	142
124	139	139	139	131	137	142
129	138	138	139	131	137	141
126	140	141	140	131	137	141
128	140	139	140	131	137	142
127	139	141	139	131	137	140
128	140	139	140	131	136	141
126	141	139	141	131	137	142
126	141	141	140	131	138	141
123	140	139	141	132	137	141
126	141	141	140	131	137	140
127	139	139	139	131	139	139
128	139	139	139	131	137	141
128	139	139	139	131	137	141
129	140	139	140	132	136	141

2

CN	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-0 HEATE PLENU CHMBE TEN OU DEG.
291	90	49	126	141
292	91	8	123	140
293	91	27	126	139
294	*	*	*	*

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3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.F	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.F	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.F	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.F	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.F	3-11 DIST. DUCT OUTLET STA46? -47?RS DEG.F
126	141	139	140	131	137	141
123	140	140	139	131	137	141
126	139	139	139	131	138	141
*	*	*	*	*	*	*

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HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 75
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CH	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.F	3-13 PILOTS HEAD LEVEL TEMP DEG.F	3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CC-PLT HEAD LEVEL TEMP DEG.F
1	121	123	120	120	119	122
2	121	123	119	119	119	121
3	121	122	120	119	119	122
4	121	123	120	119	119	122
5	121	123	119	120	119	121
6	122	123	120	119	120	123
7	120	122	120	119	119	122
8	121	122	120	119	119	121
9	120	121	121	119	119	122
10	121	122	120	120	119	121
11	121	122	121	119	119	122
12	121	122	119	120	120	121
13	121	122	120	120	119	121
14	121	123	119	119	119	121
15	122	123	120	120	120	121
16	121	125	119	121	117	122
17	120	123	119	119	116	120
18	119	121	119	119	118	121
19	119	122	119	119	117	121
20	120	119	120	118	122	121
21	121	119	121	120	122	121
22	121	120	120	118	119	121
23	120	122	120	119	120	122
24	121	119	122	122	123	121
25	121	119	121	119	121	122
26	123	120	121	123	122	121
27	123	124	123	120	120	123
28	123	121	121	123	119	122
29	123	122	121	119	119	123
30	122	123	122	121	120	123
31	122	122	121	123	118	121
32	123	120	122	123	122	123
33	125	120	124	123	124	123
34	123	125	123	123	121	123
35	124	120	123	123	123	123
36	124	122	124	124	124	123
37	124	125	123	126	121	123
38	126	122	123	125	126	123
39	126	123	124	126	127	123
40	126	127	124	126	121	123

3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CC-PLT HEAD LEVEL TEMP DEG.F	3-18 CO-PLT WAIST LEVEL TEMP DEG.F	3-19 CO-PLT FOOT LEVEL TEMP DEG.F	3-20 CO-PLT FLOOR MASS TEMP DEG.F	3-21 CARGO AREA FWD HEAD LEVEL DEG.F	3-22 CARGO AREA FWD WAIST LEVEL DEG.F
120	119	122	119	118	118	121	120
119	119	121	118	118	117	122	119
119	119	122	119	117	117	121	119
119	119	122	119	117	117	121	120
122	119	121	119	118	117	121	120
119	120	123	119	117	118	122	121
119	119	122	121	119	117	120	118
119	119	121	119	119	117	120	119
119	119	122	119	119	117	119	118
120	119	121	119	117	117	119	119
119	119	122	119	117	117	119	119
120	120	121	121	119	117	120	119
120	119	121	119	118	117	119	119
119	119	121	119	117	117	119	119
120	120	121	119	118	117	121	119
121	117	122	119	119	117	120	119
119	116	120	118	118	117	119	119
119	118	121	117	116	115	117	99
119	117	121	115	117	117	118	107
118	122	121	117	117	117	123	135
120	122	121	119	118	117	126	129
118	119	121	121	123	119	124	143
119	120	122	120	123	117	122	111
122	123	121	121	121	118	125	133
119	121	122	120	120	120	127	104
123	122	121	118	119	117	126	100
120	120	123	122	124	119	126	129
123	119	122	117	120	117	122	101
119	119	123	121	124	119	125	123
121	120	123	123	124	120	128	143
123	118	121	121	124	120	123	109
123	122	123	123	122	119	129	133
123	124	123	119	120	120	128	112
123	121	123	121	123	119	125	113
123	123	123	121	121	122	130	116
124	124	123	123	122	119	130	153
126	121	123	124	126	121	126	113
125	126	123	125	127	122	130	141
126	127	123	125	123	121	131	141
126	121	123	122	123	121	127	126

CA	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.F	3-13 PILOTS HEAD LEVEL TEMP DEG.F	3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CC-PLT HEAD LEVEL TEMP DEG.F
41	127	125	124	125	122	124
42	126	119	125	123	127	124
43	125	125	124	123	122	123
44	126	124	125	126	124	125
45	125	125	125	125	121	125
46	127	126	125	126	123	125
47	127	126	124	123	125	125
48	126	125	125	122	124	125
49	126	123	125	126	126	125
50	127	123	126	125	127	125
51	126	121	125	123	126	125
52	125	122	126	127	127	125
53	127	122	126	125	124	125
54	126	125	126	126	121	125
55	127	127	125	126	120	126
56	127	126	125	124	121	126
57	126	123	125	123	127	125
58	127	124	125	126	120	125
59	127	125	124	124	123	125
60	127	124	125	124	123	125
61	127	125	125	125	123	126
62	127	124	124	124	123	126
63	127	125	124	125	123	126
64	128	125	124	123	122	126
65	127	125	124	123	123	127
66	127	125	125	123	123	127
67	127	125	124	125	123	127
68	128	126	123	123	123	127
69	125	128	123	122	122	125
70	126	123	123	124	129	125
71	126	122	125	126	127	126
72	126	123	125	123	120	124
73	127	123	125	127	124	125
74	127	125	125	125	123	125
75	127	125	125	125	123	125
76	127	125	123	124	123	126
77	127	125	125	124	123	126
78	127	125	124	123	123	126
79	129	125	125	124	124	127
80	128	125	124	123	123	127
81	127	124	123	124	123	126
82	127	125	123	123	123	127
83	127	124	123	123	123	127
84	127	125	123	123	122	127
85	124	126	122	123	122	127
86	125	126	123	123	122	126
87	124	125	123	123	123	126
88	125	126	123	123	122	127
89	125	126	122	123	121	127
90	124	125	123	123	122	127

3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F	3-18 CO-PLT WAIST LEVEL TEMP DEG.F	3-19 CO-PLT FOOT LEVEL TEMP DEG.F	3-20 CO-PLT FLOOR MASS TEMP DEG.F	3-21 CARGO AREA FWD HEAD LEVEL DEG.F	3-22 CARGO AREA FWD WAIST LEVEL DEG.F
125	122	124	126	126	120	126	139
123	127	124	122	121	121	129	107
123	122	123	123	126	121	124	101
126	124	125	124	123	121	129	153
125	121	125	123	124	120	126	106
126	123	125	122	125	120	126	133
123	125	125	123	125	121	126	126
122	124	126	123	125	120	127	115
126	126	125	126	125	122	129	129
125	127	125	125	123	122	131	163
123	126	125	123	123	121	129	139
127	127	125	126	125	122	129	129
125	124	125	126	127	123	128	129
126	121	125	123	126	121	126	146
126	120	126	125	128	123	125	101
124	121	126	124	124	122	126	113
123	127	125	123	127	123	133	126
126	120	125	126	123	122	131	115
124	123	125	125	125	122	130	127
124	123	125	125	124	122	129	127
125	123	126	123	123	122	128	127
124	123	126	123	123	121	129	125
125	123	126	123	122	122	128	124
123	122	126	124	122	122	127	124
123	125	127	123	122	123	128	125
123	123	127	123	123	122	128	125
125	123	127	123	122	122	127	124
123	123	127	121	122	127	129	118
125	122	125	123	122	125	132	113
124	129	125	122	119	121	133	149
126	127	126	124	125	121	129	126
123	120	124	122	126	124	131	113
127	124	125	125	127	121	130	126
125	123	125	123	124	121	131	127
125	123	125	123	123	121	130	127
124	123	126	123	123	121	129	126
124	123	126	123	123	122	129	125
123	123	126	123	123	122	129	124
124	124	127	123	123	121	128	125
123	123	127	124	*	*	*	124
124	123	126	123	121	121	127	123
123	123	127	122	121	122	127	123
123	123	127	123	121	122	127	123
123	122	127	123	121	122	127	123
123	122	127	122	121	122	125	122
123	122	126	122	121	121	125	121
123	123	126	123	121	121	125	122
123	122	127	122	121	122	125	123
123	121	127	122	121	121	124	122
123	122	127	123	121	121	125	122

CN	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.F	3-13 PILOTS HEAD LEVEL TEMP DEG.F	3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F
91	124	125	123	123	123	126
92	124	127	122	123	123	126
93	125	126	123	123	122	127
94	124	126	123	123	122	126
95	124	125	123	123	123	126
96	123	125	123	122	122	127
97	124	124	122	122	123	126
98	124	125	122	122	121	126
99	126	127	123	124	124	127
100	125	129	125	122	123	127
101	123	122	123	125	123	126
102	124	126	123	126	121	125
103	124	123	125	125	124	125
104	125	126	123	126	126	123
105	125	127	124	126	121	124
106	125	123	124	126	125	124
107	127	127	125	126	122	125
108	127	123	125	125	124	125
109	126	124	123	127	123	123
110	126	127	125	126	121	125
111	127	125	125	125	123	125
112	127	124	125	126	124	125
113	127	125	124	124	123	126
114	127	125	124	123	123	126
115	127	125	125	124	123	127
116	127	125	124	124	123	127
117	127	125	124	124	123	126
118	127	125	123	123	123	127
119	127	126	123	124	123	126
120	127	125	123	123	123	128
121	127	125	124	124	123	127
122	127	126	126	124	123	127
123	127	126	124	123	123	126
124	126	126	123	123	123	127
125	127	125	124	123	123	127
126	127	131	117	116	111	133
127	125	127	124	127	121	126
128	126	123	125	125	127	126
129	126	123	125	124	127	125
130	126	129	125	127	123	126
131	127	124	124	127	122	126
132	127	124	125	127	125	124
133	127	127	124	124	124	124
134	127	123	126	126	127	125
135	127	123	126	126	128	125
136	129	128	125	125	123	125
137	129	124	126	126	130	126
138	127	125	126	126	129	125
139	128	127	127	127	128	125
140	129	125	127	127	128	125

3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F	3-18 CO-PLT WAIST LEVEL TEMP DEG.F	3-19 CO-PLT FOOT LEVEL TEMP DEG.F	3-20 CO-PLT FLOOR MASS TEMP DEG.F	3-21 CARGO AREA FWD HEAD LEVEL DEG.F	3-22 CARGO AREA FWD WAIST LEVEL DEG.F
123	123	126	123	123	121	125	122
123	123	126	123	121	121	125	121
123	122	127	123	121	121	125	121
123	122	126	123	121	121	125	121
123	123	126	123	119	121	125	122
122	122	127	121	120	121	124	122
122	123	126	121	120	121	124	121
122	121	126	122	119	121	124	121
124	124	127	124	122	123	125	122
122	123	127	121	121	121	125	133
125	123	126	120	122	121	126	136
126	121	125	123	124	121	126	126
125	124	125	123	121	121	126	146
126	126	123	122	123	121	131	137
126	121	124	123	126	121	127	109
126	125	124	123	121	123	131	126
126	122	125	123	126	121	128	109
125	124	125	124	126	123	130	129
127	123	123	125	121	123	131	142
126	121	125	124	126	123	129	102
126	123	125	123	123	121	130	127
126	124	125	123	123	121	129	127
124	123	126	123	123	121	130	126
123	123	126	123	122	121	128	125
124	123	127	123	122	121	129	125
124	123	127	123	121	122	129	124
124	123	126	122	121	121	127	125
123	123	127	121	121	122	127	123
124	123	126	123	121	121	127	123
123	123	128	122	121	121	127	123
124	123	127	122	120	122	127	123
124	123	127	123	120	122	127	123
123	123	126	122	121	121	127	123
123	123	127	123	120	121	126	123
123	123	127	122	120	121	126	123
116	111	133	116	127	123	130	106
127	121	126	121	119	119	130	136
125	127	126	125	125	121	127	115
126	127	125	125	125	123	129	116
127	123	126	122	126	122	129	149
127	122	126	124	120	122	133	140
127	125	124	125	125	119	133	115
124	124	124	123	120	121	134	111
126	127	125	122	123	123	135	116
128	128	125	123	122	123	135	116
129	123	125	123	126	121	129	139
126	130	126	123	123	123	133	113
126	129	125	126	126	124	134	145
127	128	125	123	123	123	135	116
127	128	125	123	123	123	136	116

CA	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.F	3-13 PILOTS HEAD LEVEL TEMP DEG.F	3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CC-PLT HEAD LEVEL TEMP DEG.F
141	129	125	126	125	127	126
142	128	123	126	127	127	125
143	128	125	127	130	129	126
144	129	125	127	130	128	127
145	129	129	127	130	123	127
146	130	125	127	126	129	128
147	130	126	129	127	129	127
148	129	126	129	127	131	129
149	130	126	129	131	125	128
150	130	126	130	127	129	129
151	131	129	129	127	129	128
152	131	129	129	128	131	129
153	131	125	131	129	125	130
154	133	126	129	129	127	129
155	131	125	130	127	126	130
156	131	127	129	131	126	131
157	132	126	130	131	129	127
158	131	127	130	128	129	129
159	133	131	130	129	133	131
160	131	130	131	131	127	130
161	133	127	130	131	127	129
162	132	126	130	133	128	131
163	131	133	129	127	129	129
164	133	130	129	128	126	130
165	133	127	131	129	128	129
166	133	130	131	129	129	131
167	133	133	129	131	135	128
168	134	131	128	129	131	129
169	133	127	129	131	128	130
170	133	127	130	133	126	133
171	133	131	129	129	129	131
172	134	129	129	131	130	129
173	134	133	130	132	125	130
174	134	128	131	129	132	130
175	133	127	131	129	133	130
176	128	127	125	126	126	127
177	128	127	126	126	127	127
178	128	127	126	126	126	127
179	127	127	125	126	126	127
180	127	127	125	125	125	127
181	127	127	125	126	125	126
182	128	127	125	125	126	127
183	129	127	125	127	127	127
184	129	127	125	126	126	127
185	127	125	124	125	127	127
186	126	126	125	126	126	127
187	126	129	126	129	128	127
188	127	127	127	129	128	127
189	127	125	127	127	123	127
190	128	125	127	129	131	127

3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F	3-18 CO-PLT WAIST LEVEL TEMP DEG.F	3-19 CO-PLT FOOT LEVEL TEMP DEG.F	3-20 CO-PLT FLOOR MASS TEMP DEG.F	3-21 CARGO AREA FWD HEAD LEVEL DEG.F	3-22 CARGO AREA FWD WAIST LEVEL DEG.F
125	127	126	123	124	123	135	123
127	127	125	126	125	121	133	107
130	129	126	123	124	121	130	116
130	128	127	123	124	121	133	113
130	123	127	123	127	122	133	117
126	129	128	125	127	125	135	129
127	129	127	124	126	125	135	115
127	131	129	124	125	124	135	126
131	126	128	127	128	124	131	131
127	129	129	126	127	124	129	126
127	129	128	128	126	125	131	126
128	131	129	129	127	126	135	126
129	125	130	124	128	124	130	129
129	127	129	126	127	125	133	133
127	126	130	129	126	121	133	113
131	126	131	129	126	127	131	153
131	129	127	127	130	125	135	156
128	129	129	129	129	125	137	153
129	133	131	129	129	127	131	139
131	127	130	126	126	123	134	142
131	127	129	125	126	125	135	123
133	128	131	126	127	123	136	129
127	129	129	127	124	126	135	153
128	126	130	127	129	124	131	126
129	128	129	124	133	125	135	116
129	129	131	126	127	126	131	119
131	135	128	130	130	125	135	159
129	131	129	129	129	127	135	123
131	128	130	128	133	126	135	116
133	125	133	127	128	129	133	116
129	129	131	127	129	129	131	118
131	130	129	129	126	126	135	146
132	125	130	130	131	126	133	143
129	132	130	127	127	126	139	153
129	133	130	127	128	127	137	115
126	126	127	125	122	125	127	123
126	127	127	124	121	125	127	123
126	126	127	125	121	125	126	124
126	126	127	124	121	124	126	125
125	125	127	124	121	125	126	123
126	125	126	124	121	124	125	123
125	126	127	123	121	124	125	123
127	127	127	124	121	124	126	124
126	126	127	123	121	125	126	124
125	127	127	125	121	122	128	113
126	126	127	124	126	124	126	126
129	128	127	123	123	123	132	129
129	128	127	124	123	123	133	151
127	123	127	123	129	123	129	144
129	131	127	126	126	123	133	151

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CA	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.F	3-13 PILOTS HEAD LEVEL TEMP DEG.F	3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CC-PLT HEAD LEVEL TEMP DEG.F
191	129	128	127	126	125	128
192	129	125	127	126	130	127
193	129	126	128	129	131	128
194	129	128	127	129	126	127
195	129	128	127	129	126	128
196	130	129	127	127	126	129
197	131	130	127	129	126	129
198	130	130	128	129	132	127
199	131	125	128	131	126	132
200	131	129	129	130	128	127
201	131	131	130	127	130	130
202	132	130	129	130	131	127
203	131	131	128	129	132	127
204	131	127	128	133	125	131
205	131	127	130	131	127	129
206	131	130	130	127	135	126
207	131	131	130	132	129	130
208	131	126	128	133	125	131
209	131	128	129	131	128	129
210	130	127	130	128	129	129
211	130	126	128	131	128	131
212	130	129	128	129	133	129
213	131	131	129	131	129	129
214	129	130	130	128	133	131
215	131	128	127	129	126	127
216	129	131	129	129	129	127
217	129	129	130	131	133	129
218	130	130	129	133	131	126
219	129	131	130	129	127	127
220	130	127	127	131	130	127
221	130	131	129	131	132	127
222	129	129	129	129	131	131
223	129	130	127	129	127	127
224	130	129	131	129	127	127
225	131	128	128	131	128	127
226	130	129	127	127	132	131
227	130	127	129	131	126	127
228	131	130	130	130	127	128
229	130	131	129	131	127	129
230	130	127	130	130	135	129
231	130	131	130	131	127	131
232	131	129	129	129	132	127
233	131	127	131	129	127	128
234	131	127	131	130	129	131
235	131	133	130	128	133	131
236	131	133	129	128	135	127
237	131	126	129	134	128	129
238	131	131	129	130	131	129
239	131	133	131	131	128	131
240	133	127	129	131	132	128

3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F	3-18 CO-PLT WAIST LEVEL TEMP DEG.F	3-19 CO-PLT FOOT LEVEL TEMP DEG.F	3-20 CO-PLT FLOOR MASS TEMP DEG.F	3-21 CARGO AREA FWD HEAD LEVEL DEG.F	3-22 CARGO AREA FWD WAIST LEVEL DEG.F
126	125	128	127	128	127	132	151
126	130	127	126	127	127	135	116
129	131	128	126	125	124	133	113
129	126	127	126	129	125	131	129
129	126	128	125	129	124	131	129
127	126	129	128	129	126	131	129
129	126	129	127	130	125	130	129
129	132	127	127	130	126	130	126
131	126	132	130	126	127	131	151
130	128	127	126	131	126	135	113
127	130	130	127	124	127	130	129
130	131	127	127	127	126	135	153
129	132	127	129	128	126	135	153
133	125	131	127	127	127	129	146
131	127	129	129	127	127	130	109
127	135	126	126	131	123	134	143
132	129	130	129	131	124	129	146
133	125	131	126	128	126	128	129
131	128	129	129	128	129	129	109
128	129	129	129	126	127	129	129
131	128	131	129	127	126	131	153
129	133	129	127	127	127	128	113
131	129	129	130	123	129	129	139
128	133	131	124	131	126	132	148
129	126	127	129	126	129	133	129
129	129	127	123	127	126	128	107
131	133	129	131	126	127	131	129
133	131	126	125	123	129	133	108
129	127	127	130	126	127	133	108
131	130	127	127	133	125	133	126
131	132	127	129	126	126	133	104
129	131	131	128	129	126	133	143
129	127	127	127	130	128	127	104
129	127	127	129	124	126	133	113
131	128	127	126	129	124	133	115
127	132	131	128	131	126	132	113
131	126	127	131	124	127	132	155
130	127	128	129	126	127	131	109
131	127	129	129	128	126	128	139
130	135	129	128	126	126	129	139
131	127	131	131	129	125	133	129
129	132	127	130	132	129	133	111
129	127	128	129	133	129	132	157
130	129	151	129	127	129	133	161
128	133	131	129	125	129	129	146
128	135	127	130	129	126	133	154
134	128	129	131	129	125	134	129
130	131	129	127	129	129	129	155
131	128	131	129	128	127	128	146
131	132	128	126	133	127	133	153

CN	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.F	3-13 PILOTS HEAD LEVEL TEMP DEG.F	3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CC-PLT HEAD LEVEL TEMP DEG.F
241	131	127	130	133	127	129
242	133	133	129	128	132	131
243	133	127	130	131	133	129
244	133	129	130	128	135	129
245	134	133	129	131	130	129
246	133	127	130	129	133	130
247	134	127	131	129	134	130
248	134	127	130	130	133	131
249	133	131	131	131	128	131
250	135	131	131	133	128	131
251	135	129	132	132	131	131
252	135	128	131	129	133	130
253	135	129	133	131	130	131
254	135	133	132	133	129	131
255	136	129	132	133	133	131
256	135	129	132	131	133	131
257	136	132	133	133	129	131
258	135	131	131	133	133	132
259	136	130	133	133	133	131
260	135	133	131	133	127	131
261	136	133	131	132	128	131
262	136	129	131	131	134	132
263	137	133	132	131	130	133
264	139	133	134	136	137	133
265	137	130	133	133	135	132
266	136	130	131	131	134	131
267	136	133	131	130	133	131
268	135	130	133	131	135	130
269	138	130	133	133	137	131
270	135	131	132	135	134	130
271	138	134	133	133	131	131
272	137	131	133	132	135	130
273	135	133	132	131	131	131
274	136	131	132	131	133	131
275	135	131	133	135	134	130
276	136	130	132	132	134	131
277	137	133	133	132	133	131
278	153	242	1092	133	137	296
279	136	133	133	133	131	131
280	136	130	132	132	133	131
281	136	132	131	133	131	131
282	135	131	131	132	134	131
283	137	130	133	133	137	131
284	136	133	131	133	131	131
285	136	130	133	133	138	131
286	137	133	133	134	131	131
287	137	134	133	133	129	131
288	137	131	133	134	134	131
289	137	133	133	131	133	133
290	137	131	133	133	137	131

3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F	3-18 CO-PLT WAIST LEVEL TEMP DEG.F	3-19 CO-PLT FOOT LEVEL TEMP DEG.F	3-20 CO-PLT FLOOR MASS TEMP DEG.F	3-21 CARGO AREA FWD HEAD LEVEL DEG.F	3-22 CARGO AREA FWD WAIST LEVEL DEG.F
128	127	129	128	134	126	134	126
128	132	131	129	124	129	129	149
131	133	129	128	131	129	130	139
128	135	129	130	131	127	131	116
131	130	129	130	129	129	134	114
129	133	130	130	131	129	131	118
129	134	130	129	129	129	133	120
130	133	131	129	131	129	133	119
131	128	131	127	133	128	131	117
133	128	131	127	131	126	133	154
132	131	131	131	133	129	135	129
129	133	130	128	128	127	137	153
131	130	131	131	133	129	135	129
133	129	131	129	132	129	133	151
133	133	131	129	129	129	137	156
131	133	131	129	130	130	136	117
133	129	131	129	133	127	131	153
133	133	132	131	132	131	137	117
133	133	131	133	133	130	137	156
133	127	131	131	133	129	132	116
132	128	131	129	133	129	131	111
131	134	132	129	129	131	137	115
131	130	133	131	133	131	135	129
136	137	133	131	130	131	137	139
133	135	132	131	129	129	139	153
131	134	131	131	130	133	139	117
130	133	131	130	132	129	135	124
131	135	130	129	128	131	139	118
133	137	131	130	127	128	139	126
135	134	130	131	129	131	138	149
133	131	131	129	131	131	135	139
133	135	130	131	131	131	140	156
131	131	131	128	131	129	135	126
133	133	131	133	133	132	137	129
135	134	130	131	130	131	138	151
131	134	131	131	130	133	139	117
132	133	131	133	133	131	137	143
133	137	296	131	133	138	141	128
133	131	131	128	131	130	135	126
132	133	131	132	131	131	139	129
133	131	131	129	129	128	135	113
132	134	131	133	132	131	139	129
133	137	131	133	133	133	137	149
133	131	131	130	132	129	133	111
133	133	131	130	128	131	139	119
134	131	131	129	130	131	135	139
133	129	131	131	133	131	134	117
134	134	131	133	131	131	139	149
131	133	133	131	133	131	136	123
133	137	131	133	131	130	140	159

CN	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.F	3-13 PILOTS HEAD LEVEL TEMP DEG.F	3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CC-PLT HEAD LEVEL TEMP DEG.F
291	137	133	133	131	133	132
292	136	135	134	135	131	131
293	137	132	132	134	135	133
294	*	*	*	*	*	*

-14	3-15	3-16	3-17	[illegible]	3-19	3-20	3-21	3-22
OTS	PILOTS	PILOTS	CO-PLT	CO-PLT	CO-PLT	CO-PLT	CARGO	CARGO
IST	FOOT	FLOOR	HEAD	WAIST	FOOT	FLOOR	AREA	AREA
VEL	LEVEL	MASS	LEVEL	LEVEL	LEVEL	MASS	FWD	FWD
EMP	TEMP	TEMP	TEMP	TEMP	TEMP	TEMP	HEAD	WAIST
							LEVEL	LEVEL
G.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F
33	131	133	132	133	130	130	140	153
33	135	131	131	129	131	131	136	126
32	134	135	133	133	130	130	139	146
*	*	*	*	*	*	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
+125 DEG. F. RUN NO. 31
TAPE 1372 1 FILE

CN	3-23 CARGO AREA FWD FOOT LEVEL DEG.F	3-24 CARGO AREA FWD FLOOR LEVEL DEG.F	3-25 CARGO AREA AFT HEAD LEVEL DEG.F	3-26 CARGO AREA AFT WAIST LEVEL DEG.F	3-27 CARGO AREA AFT FOOT LEVEL DEG.F	3-28 CARGO AREA AFT FLOOR LEVEL DEG.F
1	114	112	121	119	115	113
2	113	111	121	120	115	113
3	113	111	121	121	115	114
4	113	112	121	120	116	114
5	114	113	121	122	115	113
6	113	113	121	120	116	114
7	114	113	121	120	115	113
8	113	112	120	119	115	114
9	113	112	120	119	115	114
10	115	113	121	121	115	114
11	114	113	122	119	116	113
12	115	112	120	119	115	115
13	114	113	121	120	116	115
14	114	113	121	120	115	115
15	114	113	121	123	117	115
16	114	114	121	122	117	113
17	114	111	120	119	115	113
18	115	113	119	119	117	114
19	115	113	119	119	117	114
20	116	113	121	120	119	114
21	117	113	121	120	118	114
22	116	113	121	120	119	114
23	117	112	122	121	119	115
24	117	113	121	120	119	113
25	118	112	121	120	120	115
26	119	113	122	121	121	115
27	119	113	123	121	121	114
28	119	113	121	121	121	114
29	119	111	122	122	121	116
30	120	113	123	121	121	115
31	120	113	125	123	122	116
32	120	113	124	123	121	115
33	121	115	123	122	122	116
34	121	113	124	123	123	116
35	119	115	125	124	123	115
36	121	114	124	123	122	116
37	122	116	124	125	123	115
38	122	115	125	123	123	117
39	122	115	125	124	123	116
40	122	115	125	125	123	116

CN	3-23 CARGO AREA FWD FOOT LEVEL DEG.F	3-24 CARGO AREA FWD FLOOR LEVEL DEG.F	3-25 CARGO AREA AFT HEAD LEVEL DEG.F	3-26 CARGO AREA AFT WAIST LEVEL DEG.F	3-27 CARGO AREA AFT FOOT LEVEL DEG.F	3-28 CARGO AREA AFT FLOOR LEVEL DEG.F
41	123	117	125	126	125	116
42	123	115	126	124	123	115
43	123	115	126	125	125	116
44	122	114	126	126	125	116
45	123	115	126	126	125	116
46	125	115	127	126	125	115
47	123	115	126	126	125	115
48	123	115	126	125	124	117
49	122	114	126	125	125	117
50	123	115	127	126	125	116
51	123	115	127	125	124	115
52	123	115	126	125	125	115
53	123	116	126	126	124	115
54	123	114	126	126	125	115
55	124	117	126	126	126	115
56	124	116	127	126	125	117
57	124	115	127	126	126	116
58	123	115	127	125	125	117
59	123	115	127	125	124	117
60	123	115	127	125	124	116
61	122	115	126	125	123	116
62	122	115	126	125	122	116
63	121	115	126	125	122	116
64	121	115	125	125	121	116
65	121	116	126	125	122	116
66	121	116	126	125	121	116
67	120	115	126	125	121	116
68	121	116	126	125	121	117
69	121	115	125	125	123	116
70	121	116	125	125	123	115
71	122	117	126	125	125	116
72	122	117	126	125	123	116
73	124	117	126	125	124	116
74	123	116	126	124	124	117
75	121	117	127	124	123	117
76	122	116	126	125	123	117
77	121	115	126	125	122	117
78	121	115	126	124	121	116
79	121	116	127	125	121	117
80	120	116	127	125	122	117
81	119	117	126	124	121	117
82	119	115	125	123	121	116
83	119	115	126	123	120	116
84	118	115	125	123	120	117
85	117	116	123	123	117	116
86	117	116	123	122	117	116
87	116	117	123	122	119	117
88	117	116	124	122	118	115
89	117	115	123	122	118	116
90	117	115	124	122	118	118

CN	3-23 CARGO AREA FWD FOOT LEVEL DEG.F	3-24 CARGO AREA FWD FLOOR LEVEL DEG.F	3-25 CARGO AREA AFT HEAD LEVEL DEG.F	3-26 CARGO AREA AFT WAIST LEVEL DEG.F	3-27 CARGO AREA AFT FOOT LEVEL DEG.F	3-28 CARGO AREA AFT FLOOR LEVEL DEG.F
91	117	115	123	123	118	116
92	117	115	123	123	119	116
93	117	116	123	123	118	116
94	117	115	123	123	118	117
95	117	116	123	123	118	117
96	118	115	123	122	117	116
97	116	115	123	122	117	116
98	117	115	125	121	117	115
99	117	116	125	123	119	117
100	119	116	124	123	119	117
101	118	115	124	123	121	117
102	119	116	124	122	122	117
103	120	117	124	124	123	115
104	121	115	125	123	123	117
105	122	116	125	125	123	117
106	122	115	126	125	123	119
107	123	117	126	124	124	119
108	123	116	126	125	124	117
109	124	117	126	126	125	118
110	124	119	126	126	125	117
111	123	116	126	125	125	117
112	122	116	126	125	123	117
113	121	116	126	125	123	117
114	121	117	126	124	121	117
115	121	117	126	125	122	117
116	120	116	126	125	121	116
117	120	116	126	125	121	117
118	120	117	125	124	121	116
119	120	115	125	125	119	117
120	119	116	127	123	119	117
121	119	117	125	124	120	117
122	119	116	125	123	119	117
123	119	116	125	123	121	117
124	119	116	125	124	119	117
125	119	117	125	123	119	117
126	119	115	125	125	120	117
127	120	117	126	125	121	118
128	122	117	125	125	123	116
129	123	117	127	125	123	118
130	123	116	127	125	125	117
131	124	117	127	127	125	118
132	123	117	127	125	124	116
133	123	118	127	126	126	117
134	123	117	127	126	127	119
135	123	117	127	126	125	119
136	125	117	127	126	126	118
137	125	118	128	127	127	118
138	124	118	127	127	126	118
139	125	117	128	127	126	117
140	125	118	127	127	126	119

CN	3-23 CARGO AREA FWD FOOT LEVEL DEG.F	3-24 CARGO AREA FWD FLOOR LEVEL DEG.F	3-25 CARGO AREA AFT HEAD LEVEL DEG.F	3-26 CARGO AREA AFT WAIST LEVEL DEG.F	3-27 CARGO AREA AFT FOOT LEVEL DEG.F	3-28 CARGO AREA AFT FLOOR LEVEL DEG.F
141	125	119	127	126	126	117
142	127	119	127	127	127	119
143	127	119	128	129	127	117
144	127	120	129	127	127	117
145	127	118	128	127	127	119
146	127	119	129	127	127	117
147	126	117	129	128	128	119
148	127	119	129	129	127	120
149	126	119	129	130	129	118
150	127	119	129	129	129	119
151	127	119	131	130	129	120
152	127	119	131	129	129	119
153	126	121	130	130	130	120
154	126	119	130	130	129	121
155	127	119	131	130	128	119
156	128	120	131	131	131	121
157	128	121	131	131	129	119
158	129	121	131	131	131	120
159	127	119	132	133	131	121
160	127	120	131	129	131	121
161	127	119	131	131	130	121
162	127	119	131	131	129	121
163	129	119	132	131	131	121
164	127	120	131	131	130	121
165	127	120	133	131	131	121
166	128	131	132	131	131	121
167	129	122	133	132	131	121
168	128	123	135	131	131	121
169	129	119	133	133	132	122
170	128	122	133	133	131	123
171	129	120	133	133	131	123
172	128	121	133	132	133	123
173	129	121	133	133	131	122
174	129	120	133	133	132	123
175	129	122	133	133	132	123
176	121	119	126	125	122	121
177	120	119	126	124	122	121
178	120	119	127	123	121	120
179	119	119	127	124	122	121
180	120	119	126	124	121	121
181	120	118	126	124	121	121
182	119	119	126	125	121	121
183	121	119	127	125	123	122
184	120	120	126	125	123	122
185	119	120	125	124	122	122
186	121	119	126	125	124	123
187	123	120	126	126	125	121
188	124	119	126	127	125	121
189	125	119	127	127	127	121
190	124	118	127	127	126	122

CN	3-23 CARGO AREA FWD FOOT LEVEL DEG.F	3-24 CARGO AREA FWD FLOOR LEVEL DEG.F	3-25 CARGO AREA AFT HEAD LEVEL DEG.F	3-26 CARGO AREA AFT WAIST LEVEL DEG.F	3-27 CARGO AREA AFT FOOT LEVEL DEG.F	3-28 CARGO AREA AFT FLOOR LEVEL DEG.F
191	124	118	127	127	126	121
192	125	121	127	127	129	123
193	126	121	128	127	127	121
194	126	119	129	129	127	121
195	126	119	129	129	127	120
196	126	120	129	130	126	122
197	126	121	129	129	128	121
198	126	121	129	128	129	122
199	127	122	131	128	129	121
200	126	121	129	130	128	121
201	126	120	129	129	128	121
202	126	120	131	129	129	122
203	127	119	131	131	128	121
204	127	121	131	131	129	124
205	127	122	131	131	130	123
206	126	121	131	131	129	123
207	127	119	131	131	130	122
208	126	121	131	131	130	124
209	126	122	132	131	130	123
210	127	120	131	131	130	123
211	126	120	132	131	131	122
212	126	121	131	131	130	123
213	127	121	131	131	130	123
214	126	121	131	131	131	123
215	127	121	131	131	131	123
216	126	121	131	131	130	123
217	126	122	131	130	130	123
218	127	123	131	130	129	123
219	126	121	131	130	129	124
220	127	121	130	131	129	123
221	126	121	131	131	129	123
222	126	121	130	130	130	123
223	127	121	131	131	130	123
224	126	122	131	130	130	125
225	127	122	131	131	130	124
226	127	123	131	131	131	125
227	127	121	131	131	130	124
228	126	121	131	131	131	124
229	127	122	133	131	130	125
230	127	123	131	131	131	126
231	127	123	131	131	131	125
232	127	123	131	131	131	125
233	127	122	131	131	131	125
234	127	122	133	131	131	125
235	129	123	132	131	131	126
236	128	123	132	131	131	125
237	128	123	131	133	131	125
238	128	123	133	132	132	126
239	129	122	133	132	132	127
240	127	125	132	132	131	126

CY	3-23 CARGO AREA FWD FOOT LEVEL DEG.F	3-24 CARGO AREA FWD FLOOR LEVEL DEG.F	3-25 CARGO AREA AFT HEAD LEVEL DEG.F	3-26 CARGO AREA AFT WAIST LEVEL DEG.F	3-27 CARGO AREA AFT FOOT LEVEL DEG.F	3-28 CARGO AREA AFT FLOOR LEVEL DEG.F
241	129	125	133	133	133	126
242	127	124	133	133	133	126
243	128	124	133	133	133	129
244	128	124	133	133	132	126
245	129	123	133	133	133	127
246	128	124	133	133	133	127
247	129	125	133	133	133	126
248	129	125	133	133	133	127
249	129	123	133	133	133	126
250	129	123	134	134	133	126
251	130	123	133	135	133	127
252	130	122	135	134	133	127
253	130	124	134	135	133	128
254	129	124	135	135	134	127
255	130	125	135	135	133	127
256	131	125	135	133	133	127
257	131	124	135	135	134	127
258	129	125	136	135	134	128
259	131	125	136	135	133	128
260	131	126	135	134	133	128
261	131	126	135	134	134	127
262	131	125	136	135	135	128
263	131	125	136	135	135	128
264	131	129	135	134	135	129
265	132	127	136	134	135	130
266	131	127	135	135	135	130
267	131	126	135	135	135	130
268	131	126	136	135	134	130
269	133	126	136	134	135	130
270	131	128	135	135	134	128
271	133	129	136	136	135	129
272	131	126	135	135	135	129
273	131	126	135	134	135	130
274	131	127	134	135	134	131
275	131	127	135	134	134	131
276	131	127	135	134	135	130
277	132	127	135	135	134	131
278	HIGH	HIGH	HIGH	477	195	234
279	131	127	135	135	135	130
280	133	129	135	135	135	131
281	132	128	135	135	135	130
282	131	129	135	135	135	130
283	131	128	135	134	135	131
284	132	129	135	134	135	130
285	132	128	135	134	135	130
286	133	129	135	135	134	131
287	133	129	135	135	134	130
288	133	129	136	135	135	131
289	133	127	134	135	135	131
290	133	127	135	135	135	131

690

CA	3-23 CARGO AREA FWD FOOT LEVEL DEG.F	3-24 CARGO AREA FWD FLOOR LEVEL DEG.F	3-25 CARGO AREA AFT HEAD LEVEL DEG.F	3-26 CARGO AREA AFT WAIST LEVEL DEG.F	3-27 CARGO AREA AFT FOOT LEVEL DEG.F	3-28 CARGO AREA AFT FLOOR LEVEL DEG.F
291	133	128	135	134	135	131
292	133	128	135	135	134	130
293	133	127	135	135	135	129
294	*	*	*	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CA	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CC-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CC-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F
1	0	8	122	122
2	0	27	122	123
3	0	46	121	122
4	1	5	122	122
5	1	24	122	122
6	1	41	123	123
7	2	7	121	121
8	2	25	122	121
9	2	44	122	122
10	3	3	122	123
11	3	22	121	121
12	3	41	122	122
13	3	59	121	122
14	4	18	122	122
15	4	37	122	121
16	4	56	122	124
17	5	15	121	121
18	5	33	123	119
19	5	52	119	121
20	6	11	120	123
21	6	30	118	123
22	6	48	121	122
23	7	7	122	120
24	7	26	121	121
25	7	45	121	123
26	8	3	123	122
27	8	22	122	121
28	8	41	125	121
29	9	0	123	120
30	9	19	122	121
31	9	37	123	119
32	9	56	124	123
33	10	15	123	125
34	10	34	123	122
35	10	52	123	123
36	11	11	122	124
37	11	30	121	122
38	11	49	123	123
39	12	7	123	123
40	12	26	123	122

4-05 CC-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CC-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
122	122	123	122	129	126	127
122	123	123	121	129	125	127
121	122	123	122	129	125	127
122	122	123	121	129	126	127
122	122	123	123	130	126	128
123	123	123	122	129	126	127
121	121	123	121	130	127	127
122	121	123	121	129	125	127
122	122	123	121	128	125	127
122	123	123	122	129	126	127
121	121	123	121	129	125	127
122	122	123	122	129	125	127
121	122	123	121	129	126	127
122	122	123	121	130	126	127
122	121	123	123	131	125	127
122	124	126	121	131	127	127
121	121	125	122	130	123	127
123	119	119	123	129	124	127
119	121	120	119	128	124	127
120	123	124	121	129	125	126
118	123	124	120	129	126	127
121	122	121	120	129	124	127
122	120	121	121	128	125	127
121	121	125	122	129	125	127
121	123	123	121	129	126	129
123	122	125	124	129	127	127
122	121	123	119	129	126	128
125	121	119	121	129	125	128
123	120	120	121	128	125	127
122	121	120	121	129	125	127
123	119	119	121	129	125	129
124	123	123	123	130	127	128
123	125	125	122	129	127	127
123	122	119	121	129	126	128
123	123	126	123	130	127	127
122	124	125	121	130	126	129
121	122	121	122	131	127	129
123	123	126	123	133	127	130
123	123	127	123	133	128	129
123	122	121	122	131	128	130

CR	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CC-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CC-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F
41	12	45	123	120
42	13	4	121	125
43	13	23	123	126
44	13	41	124	121
45	14	0	124	123
46	14	19	126	123
47	14	38	125	121
48	14	56	125	121
49	15	15	124	125
50	15	34	124	121
51	15	53	125	123
52	16	11	124	125
53	16	30	126	121
54	16	49	127	123
55	17	8	124	125
56	17	26	123	124
57	17	45	123	125
58	18	4	123	122
59	18	23	123	123
60	18	41	123	124
61	19	0	123	123
62	19	19	123	123
63	19	38	123	123
64	19	56	123	123
65	20	15	124	123
66	20	34	124	123
67	20	53	124	124
68	21	12	126	124
69	21	30	124	123
70	21	49	125	123
71	22	8	124	123
72	22	27	124	124
73	22	45	125	126
74	23	4	125	123
75	23	23	124	123
76	23	42	123	123
77	24	0	123	123
78	24	19	123	123
79	24	38	123	123
80	24	57	123	124
81	25	15	123	123
82	25	34	123	123
83	25	53	123	123
84	26	9	123	123
85	26	19	123	123
86	26	37	123	123
87	26	56	124	123
88	27	15	123	123
89	27	34	123	123
90	27	53	123	123

4-05 CC-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CC-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
123	120	121	122	131	128	130
121	125	125	121	131	127	130
123	126	126	123	131	127	129
124	121	121	124	131	128	130
124	123	127	123	132	128	130
126	123	121	123	131	127	130
125	121	120	123	132	128	131
125	121	120	122	131	127	129
124	125	125	121	131	128	130
124	121	121	123	132	128	129
125	123	117	122	131	127	131
124	125	125	121	131	127	131
126	121	121	123	131	128	130
127	123	125	124	132	129	131
124	125	126	123	133	129	130
123	124	124	121	133	129	131
123	125	125	121	133	130	133
123	122	127	122	135	131	131
123	123	124	122	134	129	132
123	124	123	123	134	129	133
123	123	123	123	133	129	133
123	123	123	123	133	130	134
123	123	123	123	135	130	131
123	123	124	122	133	130	133
124	123	123	123	135	130	133
124	123	123	123	135	131	133
124	124	124	123	136	131	134
126	124	125	125	137	131	135
124	123	126	123	135	131	134
125	123	126	123	135	132	133
124	123	126	123	135	131	133
124	124	125	122	135	130	133
125	126	122	127	135	133	133
123	123	123	122	134	131	133
124	123	124	123	135	131	134
123	123	123	122	135	131	133
123	123	123	123	135	131	135
123	123	123	122	135	131	134
123	123	125	123	137	132	135
123	124	123	123	137	131	135
123	123	123	122	136	132	135
123	123	123	122	135	133	134
123	123	123	122	136	133	135
123	123	123	123	136	133	134
123	123	125	123	138	134	135
123	123	124	123	137	133	135
124	123	123	125	137	134	136
123	123	125	123	137	134	135
123	123	125	123	137	134	135
123	123	125	124	137	135	136

2

CA	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CC-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CC-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F
91	28	11	124	123
92	28	30	123	123
93	28	49	123	123
94	29	8	123	123
95	29	27	123	123
96	29	45	123	123
97	30	4	123	123
98	30	23	123	123
99	30	42	124	123
100	31	0	123	124
101	31	19	123	122
102	31	38	126	122
103	31	57	121	123
104	32	16	124	121
105	32	34	121	124
106	32	53	123	121
107	33	12	123	126
108	33	31	125	121
109	33	49	121	122
110	34	8	121	122
111	34	27	123	123
112	34	46	123	123
113	35	4	124	123
114	35	23	124	124
115	35	42	123	123
116	36	1	123	123
117	36	20	124	123
118	36	38	123	123
119	36	57	123	123
120	37	16	124	123
121	37	35	124	124
122	37	54	124	124
123	38	12	123	124
124	38	31	123	123
125	38	.)	123	123
126	39	9	124	127
127	39	27	126	123
128	39	46	124	124
129	40	5	126	125
130	40	24	125	123
131	40	43	124	124
132	41	1	126	126
133	41	20	125	123
134	41	39	124	124
135	41	58	125	125
136	42	16	125	123
137	42	35	123	126
138	42	54	125	124
139	43	13	126	122
140	43	31	124	125

4-05 CC-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CC-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 ISTAGE HYD. PUMP INLET TEMP DEG.F	4-10 ISTAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 ISTAGE HYD. AFT SERVO CYL. DEG.F
124	123	125	124	137	134	136
123	123	124	123	137	134	135
123	123	124	123	137	134	135
123	123	125	123	137	133	136
123	123	125	123	137	134	135
123	123	125	123	137	134	135
123	123	125	123	137	135	135
123	125	124	123	137	134	135
124	123	125	123	139	134	135
123	124	125	123	139	134	135
123	122	123	125	137	135	135
126	122	125	124	137	134	135
121	123	123	121	138	135	137
124	121	122	123	137	134	135
121	124	124	122	138	134	136
123	121	123	124	138	134	137
123	126	127	123	139	135	138
125	121	123	123	138	135	136
121	122	127	123	139	134	137
121	122	129	122	139	135	137
123	123	124	123	138	135	137
123	123	125	123	138	135	137
124	123	125	123	138	135	136
124	124	125	123	139	135	137
123	123	125	123	138	135	137
123	123	125	123	138	135	137
124	123	125	123	138	135	137
123	123	125	123	139	135	137
123	123	125	123	138	135	136
124	123	125	123	138	136	137
124	124	125	123	139	135	137
124	124	125	123	139	135	137
123	124	125	123	139	135	138
123	123	125	123	139	135	137
123	123	125	123	139	135	137
124	127	124	126	141	135	137
126	123	126	125	139	136	138
124	124	128	123	139	136	137
126	125	126	125	139	136	138
125	123	126	125	140	137	137
124	124	123	124	139	136	139
126	126	122	125	139	135	138
125	123	123	123	139	136	139
124	124	126	124	140	137	138
125	125	126	125	140	135	137
125	123	123	123	139	136	139
123	126	128	124	142	137	139
125	124	126	125	140	142	139
126	122	123	123	141	147	141
124	125	127	125	149	153	139

2

CN	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CC-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CC-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F
141	43	50	126	124
142	44	9	126	123
143	44	28	126	123
144	44	47	128	123
145	45	5	125	126
146	45	24	130	126
147	45	43	127	127
148	46	2	127	129
149	46	20	130	124
150	46	39	127	127
151	46	58	129	125
152	47	17	127	129
153	47	35	127	131
154	47	54	131	122
155	48	13	126	126
156	48	32	125	129
157	48	51	127	123
158	49	9	127	129
159	49	28	128	129
160	49	47	127	127
161	50	6	129	128
162	50	24	125	129
163	50	43	130	127
164	51	2	128	129
165	51	21	127	127
166	51	39	131	127
167	51	58	132	129
168	52	17	130	129
169	52	36	129	130
170	52	54	131	129
171	53	13	127	131
172	53	32	129	131
173	53	51	131	128
174	54	10	127	128
175	54	28	133	129
176	54	53	126	127
177	55	12	126	126
178	55	31	126	126
179	55	49	126	126
180	56	8	125	126
181	56	27	125	127
182	56	46	125	126
183	57	5	126	126
184	57	23	126	126
185	57	42	125	128
186	58	1	128	126
187	58	20	125	127
188	58	39	127	126
189	58	57	126	127
190	59	16	124	125

4-05 CC-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
126	124	123	125	151	154	141
126	123	123	124	153	159	139
126	123	122	125	156	162	139
128	123	123	124	158	164	139
125	126	127	122	160	167	139
130	126	126	126	162	169	141
127	127	129	124	166	173	139
127	129	128	124	166	178	141
130	124	124	123	168	182	143
127	127	128	124	169	186	144
129	125	126	123	173	189	147
127	129	127	127	174	190	150
127	131	129	127	174	192	151
131	122	124	122	176	194	151
126	126	126	123	178	197	155
125	129	123	128	179	199	155
127	123	129	125	182	199	156
127	129	125	124	181	202	159
128	129	125	126	184	203	161
127	127	126	127	181	204	161
129	128	129	127	184	206	161
125	129	125	125	187	206	163
130	127	131	126	189	208	164
128	129	130	126	188	208	164
127	127	126	125	188	208	165
131	127	128	127	189	211	166
132	129	131	127	193	212	167
130	129	126	127	193	212	167
129	130	133	126	192	213	168
131	129	131	127	192	215	167
127	131	132	126	194	215	167
129	131	130	126	196	214	169
131	128	129	128	197	210	168
127	128	128	125	195	207	169
133	129	128	127	196	205	168
126	127	127	126	166	163	152
126	126	127	126	166	163	151
126	126	127	125	165	163	151
126	126	127	125	166	162	151
125	126	127	125	165	163	151
125	127	127	128	165	162	151
125	126	127	125	166	161	151
126	126	127	125	167	163	151
126	126	127	126	167	163	151
125	128	128	124	165	161	151
128	126	130	124	166	161	153
125	127	127	124	164	161	153
127	126	131	125	164	160	152
126	127	125	126	163	161	151
124	125	130	125	163	161	151

2

CN	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CC-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CC-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F
191	59	35	125	127
192	59	54	128	128
193	60	12	127	129
194	60	31	129	123
195	60	50	128	127
196	61	9	126	128
197	61	28	129	126
198	61	46	129	126
199	62	5	127	128
200	62	24	128	129
201	62	43	129	127
202	63	1	129	127
203	63	20	127	128
204	63	39	129	127
205	63	58	127	128
206	64	17	129	126
207	64	35	128	129
208	64	54	128	129
209	65	13	130	127
210	65	32	127	129
211	65	50	127	127
212	66	9	127	128
213	66	28	129	128
214	66	47	128	129
215	67	6	129	129
216	67	24	127	128
217	67	43	127	127
218	68	2	128	127
219	68	21	128	128
220	68	39	129	129
221	68	58	127	127
222	69	17	129	128
223	69	36	128	128
224	69	54	127	127
225	70	13	129	127
226	70	32	130	127
227	70	51	129	129
228	71	9	127	127
229	71	28	127	126
230	71	47	128	129
231	72	6	129	126
232	72	25	127	126
233	72	43	127	127
234	73	2	128	129
235	73	21	129	128
236	73	40	129	127
237	73	58	127	128
238	74	17	129	129
239	74	36	129	127
240	74	55	129	128

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4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CC-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
125	127	128	123	166	169	153
128	128	131	127	167	173	153
127	129	131	125	169	174	153
129	123	124	125	170	176	153
128	127	124	125	173	177	154
126	128	128	124	173	182	155
129	126	126	127	175	187	155
129	126	124	127	177	191	155
127	128	126	126	179	193	157
128	129	126	127	182	197	157
129	127	127	128	182	199	161
129	127	131	126	182	202	161
127	128	126	124	187	202	162
129	127	129	125	187	204	163
127	128	133	125	187	206	163
129	126	129	124	191	206	166
128	129	131	126	192	210	165
128	129	131	125	193	210	166
130	127	131	125	193	210	167
127	129	126	128	195	212	166
127	127	131	126	195	213	167
127	128	133	126	196	213	166
129	128	128	129	197	213	167
128	129	126	126	195	213	168
129	129	127	127	195	217	167
127	128	129	127	197	214	167
127	127	125	127	196	216	168
128	127	131	127	198	216	168
128	128	123	125	199	215	169
129	129	123	124	197	217	168
127	127	126	129	199	218	167
129	128	131	126	197	218	169
128	128	126	125	199	219	167
127	127	127	126	200	219	169
129	127	127	129	199	219	168
130	127	128	127	199	218	168
129	129	129	129	200	219	170
127	127	128	127	203	219	169
127	126	133	127	201	221	171
128	129	125	128	200	219	170
129	126	133	129	199	219	170
127	126	124	126	200	219	171
127	127	124	126	201	219	169
128	129	128	126	199	219	169
129	128	129	129	201	220	169
129	127	130	126	200	220	171
127	128	132	129	202	221	170
129	129	129	127	202	223	171
129	127	133	127	204	221	170
129	128	126	129	201	221	172

CN	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CC-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-0 CC-PL WNDSH INSID SURF TEM DEG.
241	75	14	128	130
242	75	32	129	128
243	75	51	129	130
244	76	10	131	127
245	76	29	131	129
246	76	47	129	131
247	77	6	129	130
248	77	25	128	130
249	77	44	130	129
250	78	2	133	129
251	78	21	130	127
252	78	40	131	128
253	78	59	131	127
254	79	17	133	129
255	79	36	130	130
256	79	55	128	131
257	80	14	133	129
258	80	33	131	133
259	80	51	131	130
260	81	10	133	129
261	81	29	133	129
262	81	48	131	133
263	82	6	129	131
264	82	25	133	131
265	82	44	129	132
266	83	3	130	133
267	83	21	131	129
268	83	40	128	132
269	83	59	129	133
270	84	18	131	130
271	84	36	131	129
272	84	55	129	130
273	85	14	130	130
274	85	33	130	129
275	85	51	130	133
276	86	10	129	133
277	86	29	129	130
278	86	48	130	135
279	87	6	131	129
280	87	25	129	133
281	87	44	131	131
282	88	3	130	133
283	88	21	131	129
284	88	40	131	129
285	88	59	128	132
286	89	18	130	128
287	89	35	131	129
288	89	55	129	133
289	90	14	130	129
290	90	33	127	132

4-05 CC-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CC-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
128	130	125	129	201	222	171
129	128	131	127	201	223	172
129	130	129	126	204	223	173
131	127	130	129	207	225	175
131	129	133	127	208	221	176
129	131	131	127	209	220	175
129	130	133	127	210	221	175
128	130	131	126	207	219	176
130	129	131	127	210	220	178
133	129	130	130	212	223	180
130	127	127	129	212	221	182
131	128	126	128	212	218	182
131	127	127	128	211	217	183
133	129	131	130	211	215	182
130	130	127	127	209	213	182
128	131	131	126	208	212	182
133	129	127	129	208	212	182
131	133	132	128	206	210	182
131	130	128	127	206	209	184
133	129	127	129	205	208	183
133	129	131	130	204	209	182
131	133	134	128	205	208	184
129	131	131	127	203	209	183
133	131	133	131	202	209	183
129	132	133	128	202	209	183
130	133	133	129	201	209	181
131	129	127	129	200	206	182
128	132	133	129	202	206	182
129	133	131	127	201	208	181
131	130	133	131	200	206	180
131	129	127	129	202	206	182
129	130	128	128	200	206	180
130	130	127	128	199	204	180
130	129	127	129	199	203	179
130	133	134	129	199	204	179
129	133	134	129	199	204	178
129	130	128	129	199	202	180
138	135	133	*	*	*	*
131	129	127	129	198	202	178
129	133	133	130	197	201	178
131	131	133	131	197	202	177
130	133	133	129	197	200	178
131	129	126	129	196	200	179
131	129	127	130	197	202	178
128	132	133	129	196	200	179
130	128	127	130	195	199	179
131	129	129	131	196	199	176
129	133	133	130	196	199	178
130	129	126	129	194	199	178
127	132	133	129	195	199	178

CA	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CC-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CC-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F
291	90	*0	129	131
292	91	10	127	133
293	91	29	131	131
294	*	*	*	*

4-05 CC-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CC-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
129	131	133	130	194	199	177
127	133	133	130	194	197	176
131	131	130	132	195	197	176
*	*	*	*	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F
1	125	*	126	124	125	125
2	125		126	123	125	124
3	124		127	123	125	124
4	124		126	124	125	125
5	126		127	125	126	126
6	125		126	124	125	125
7	125		125	124	125	124
8	124		126	124	125	125
9	125		127	123	125	125
10	125		127	125	127	125
11	125		126	125	125	125
12	125		126	123	126	125
13	126		127	124	126	125
14	125		127	124	126	126
15	124		126	124	126	125
16	125		131	124	126	125
17	127		139	123	126	123
18	135		147	125	126	123
19	141		151	123	127	125
20	146		157	124	126	126
21	151		163	125	127	127
22	157		168	124	128	128
23	160		173	123	127	131
24	165		176	124	130	131
25	169		181	124	128	133
26	173		186	126	127	133
27	175		190	123	129	135
28	180		193	125	128	135
29	182		195	126	129	137
30	185		199	125	131	137
31	189		202	125	131	137
32	192		204	126	133	139
33	193		208	125	133	141
34	197		211	125	133	141
35	200		214	126	133	141
36	202		215	125	135	142
37	203		219	127	135	143
38	208		221	128	137	142
39	210		225	127	137	143
40	212		227	127	138	144

4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
124	125	125	125	123	126	125	124
123	125	124	125	123	126	126	125
123	125	124	125	123	126	126	125
124	125	125	125	124	126	127	125
125	126	126	126	124	127	127	125
124	125	125	126	124	127	126	125
124	125	124	125	123	125	126	125
124	125	125	125	123	125	125	125
123	125	125	126	123	126	125	124
125	127	125	125	123	127	126	125
125	125	125	124	124	126	125	124
123	126	125	124	123	126	126	125
124	126	125	125	125	126	125	125
124	126	126	126	124	126	127	125
124	126	125	126	124	126	126	125
124	126	125	130	125	127	125	125
123	126	123	131	123	125	125	125
125	126	123	135	123	124	125	124
123	127	125	133	123	125	123	124
124	126	126	137	122	126	124	125
125	127	127	138	124	126	125	125
124	128	128	139	125	126	126	126
123	127	131	141	123	125	125	125
124	130	131	142	126	126	127	126
124	128	133	143	125	127	127	126
126	127	133	145	123	125	126	127
123	129	135	147	126	124	128	127
125	128	135	147	123	125	128	127
126	129	137	149	122	127	129	127
125	131	137	149	125	125	129	127
125	131	137	150	124	125	131	128
126	133	139	153	126	127	131	128
125	133	141	155	125	128	132	131
125	133	141	154	124	125	132	131
126	135	141	156	126	126	133	129
125	135	142	156	127	130	134	132
127	135	143	158	126	127	133	133
128	137	142	157	127	127	137	133
127	137	143	158	127	128	135	134
127	138	144	159	127	126	137	135

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F
41	214	*	229	129	137	146
42	215		230	126	139	145
43	213		234	127	139	147
44	210		225	127	139	147
45	208		225	147	162	147
46	200		215	167	182	149
47	199		213	174	188	149
48	199		213	182	192	149
49	195		212	186	197	149
50	196		212	192	200	151
51	196		212	195	201	151
52	195		212	197	203	151
53	196		212	200	206	150
54	197		212	202	206	151
55	197		212	204	208	151
56	199		213	206	208	153
57	198		214	208	210	153
58	199		213	210	210	155
59	203		213	212	211	164
60	203		208	207	203	163
61	203		205	205	199	163
62	203		202	205	197	161
63	204		201	203	195	161
64	203		200	203	194	160
65	203		199	202	193	159
66	204		199	202	192	159
67	204		195	201	194	161
68	199		197	198	189	156
69	192		206	203	200	155
70	193		207	206	203	156
71	194		207	206	205	155
72	196		210	210	205	155
73	197		210	210	208	161
74	200		205	206	201	162
75	200		201	206	197	161
76	200		200	204	195	161
77	200		198	203	195	160
78	200		196	202	193	159
79	202		195	202	193	159
80	201		194	201	191	159
81	200		193	199	189	158
82	200		191	200	189	158
83	200		190	198	188	157
84	200		188	198	187	157
85	184		154	167	156	147
86	184		153	167	156	146
87	184		153	166	155	146
88	184		153	166	155	146
89	184		153	166	154	146
90	183		153	166	155	146

4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
129	137	146	161	127	128	137	134
126	139	145	161	127	127	133	136
127	139	147	163	127	127	137	135
127	139	147	163	126	126	139	135
147	162	147	167	129	127	140	137
167	182	149	166	132	127	143	138
174	188	149	166	131	128	143	138
182	192	149	167	129	127	145	139
186	197	149	167	130	126	145	139
192	200	151	167	131	127	144	140
195	201	151	167	130	126	144	139
197	203	151	166	131	127	143	141
200	206	150	168	131	128	141	141
202	206	151	169	133	127	140	142
204	208	151	169	132	127	142	144
206	208	153	170	134	128	141	142
208	210	153	169	133	128	141	146
210	210	155	167	135	127	139	153
212	211	164	171	135	127	141	151
207	203	163	168	136	128	139	149
205	199	163	168	136	128	139	149
205	197	161	167	137	128	138	149
203	195	161	166	136	128	137	150
203	194	160	166	137	129	137	150
202	193	159	166	137	130	138	151
202	192	159	166	138	130	137	152
201	194	161	167	139	133	140	154
198	189	156	170	139	130	138	153
203	200	155	169	138	129	137	153
206	203	156	168	139	127	136	153
206	205	155	169	137	129	135	153
210	205	155	169	140	129	136	157
210	208	161	170	138	128	135	158
206	201	162	168	139	129	135	155
206	197	161	167	140	129	134	155
204	195	161	166	139	129	133	155
203	195	160	168	139	129	134	157
202	193	159	166	141	129	134	156
202	193	159	166	140	131	135	157
201	191	159	166	141	130	134	158
199	189	158	165	141	129	133	157
200	189	158	165	141	129	133	159
198	188	157	166	141	129	133	158
198	187	157	164	140	129	133	159
167	156	147	149	143	127	127	159
167	156	146	149	143	127	127	159
166	155	146	149	143	127	127	160
166	155	146	148	143	127	128	161
166	154	146	148	143	127	127	161
166	155	146	149	143	127	128	160

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-1 UTIL HYD PUM INLE TEM DEG.
91	183	*	153	165	154	146
92	183		153	164	155	146
93	183		153	164	153	146
94	182		153	164	153	146
95	182		151	163	153	145
96	182		152	163	153	146
97	182		151	162	153	145
98	182		151	162	153	145
99	182		151	162	153	145
100	174		153	157	151	151
101	167		173	165	163	151
102	168		176	171	171	150
103	174		182	175	176	150
104	176		186	180	180	151
105	182		189	184	184	151
106	182		191	187	187	151
107	186		195	189	190	151
108	187		197	192	193	152
109	190		199	196	195	152
110	190		202	199	199	161
111	193		197	195	192	162
112	193		192	192	189	161
113	192		189	192	187	159
114	192		187	192	186	160
115	192		186	191	185	158
116	192		185	191	184	157
117	192		184	189	183	157
118	193		184	190	183	157
119	193		182	189	182	156
120	193		180	189	182	157
121	193		180	187	180	156
122	193		179	187	180	155
123	193		178	187	180	155
124	193		177	186	178	155
125	197		177	187	179	156
126	187		182	184	175	159
127	180		190	189	186	157
128	184		195	192	192	158
129	188		196	196	195	158
130	190		199	198	197	157
131	192		202	200	199	158
132	193		204	202	202	165
133	196		208	204	204	169
134	197		209	207	207	171
135	199		212	210	208	170
136	200		213	211	210	170
137	204		215	214	212	169
138	205		216	217	214	167
139	207		216	212	208	166
140	208		220	215	212	166

4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
165	154	146	149	143	127	129	161
164	155	146	148	144	127	128	160
164	153	146	148	143	128	128	160
164	153	146	147	143	127	127	160
163	153	145	148	143	127	127	159
163	153	146	147	143	127	127	160
162	153	145	147	143	127	127	159
162	153	145	147	143	128	127	160
162	153	145	147	143	128	127	160
157	151	151	160	142	128	129	160
165	163	151	163	141	128	129	159
171	171	150	163	143	129	126	159
175	176	150	163	143	129	129	160
180	180	151	162	144	127	128	159
184	184	151	163	143	129	127	158
187	187	151	164	145	128	129	159
189	190	151	165	143	129	129	157
192	193	152	167	145	128	131	157
196	195	152	166	145	127	131	160
199	199	161	169	146	129	133	160
195	192	162	167	145	127	129	157
192	189	161	166	145	127	131	157
192	187	159	163	146	127	129	158
192	186	160	164	145	127	129	158
191	185	158	163	146	127	130	158
191	184	157	163	146	127	129	159
189	183	157	163	147	127	129	159
190	183	157	163	146	127	129	160
189	182	156	162	147	129	129	159
189	182	157	163	146	127	129	159
187	180	156	163	147	128	129	160
187	180	155	162	146	127	128	159
187	180	155	162	146	127	128	159
186	178	155	162	146	127	129	160
187	179	156	163	148	131	131	161
184	175	159	167	146	129	133	160
189	186	157	169	147	127	129	161
192	192	158	171	148	128	129	161
196	195	158	172	147	129	134	160
198	197	157	173	148	128	131	160
200	199	158	173	148	129	131	162
202	202	165	173	146	127	133	163
204	204	169	173	148	128	133	160
207	207	171	176	148	129	135	160
210	208	170	179	149	129	135	159
211	210	170	182	150	128	138	162
214	212	169	181	149	129	138	161
217	214	167	182	150	129	138	161
212	208	166	185	151	129	139	161
215	212	166	186	151	128	139	161

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F
141	206	*	221	219	215	166
142	208		219	219	217	165
143	207		220	220	218	166
144	209		220	221	218	165
145	210		221	223	219	165
146	210		223	223	220	164
147	212		221	224	221	165
148	211		222	223	221	165
149	211		222	223	219	164
150	212		220	223	219	164
151	212		220	223	222	163
152	210		219	221	223	163
153	212		219	222	219	164
154	212		220	222	218	163
155	212		218	223	219	163
156	215		220	224	219	164
157	213		219	222	222	163
158	215		219	223	220	163
159	215		221	222	218	164
160	215		221	223	220	164
161	215		220	224	219	163
162	215		221	222	223	163
163	215		221	223	220	163
164	217		220	225	223	163
165	216		222	223	225	163
166	215		220	226	219	163
167	217		223	226	223	165
168	218		223	225	220	165
169	217		223	226	223	165
170	216		223	225	226	165
171	218		224	225	220	165
172	217		226	227	22[illegible]	166
173	219		226	228	225	165
174	220		228	[illegible]30	225	166
175	221		231	231	228	167
176	185		[illegible]55	161	156	155
177	184		154	160	155	153
178	184		153	161	156	154
179	184		153	161	156	154
180	184		153	159	155	153
181	184		154	159	155	155
182	184		154	159	155	153
183	185		155	159	157	155
184	175		159	159	155	159
185	171		177	156	155	158
186	173		182	165	164	157
187	179		186	169	172	157
188	180		190	174	176	157
189	184		193	177	182	157
190	188		196	182	186	164

4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
219	215	166	184	151	128	139	162
219	217	165	184	152	127	140	160
220	218	166	183	153	127	137	161
221	218	165	184	153	127	139	161
223	219	165	184	155	129	137	161
223	220	164	182	153	129	139	161
224	221	165	185	154	129	137	160
223	221	165	184	156	129	138	161
223	219	164	184	155	128	140	159
223	219	164	184	156	131	138	159
223	222	163	184	155	131	139	159
221	223	163	186	157	129	137	160
222	219	164	184	157	129	137	161
222	218	163	183	157	131	138	159
223	219	163	183	159	131	138	159
224	219	164	183	157	133	138	160
222	222	163	183	157	131	138	158
223	220	163	184	160	131	140	160
222	218	164	183	159	133	138	160
223	220	164	182	160	132	139	160
224	219	163	182	159	131	138	159
222	223	163	182	159	133	138	161
223	220	163	182	161	133	139	160
225	223	163	182	160	132	139	160
223	225	163	182	159	133	139	160
226	219	163	182	162	135	137	159
226	223	165	184	162	135	139	161
225	220	165	183	161	135	139	161
226	223	165	184	163	137	139	161
225	226	165	184	162	138	141	161
225	220	165	184	163	137	139	161
227	225	166	183	163	137	140	161
228	225	165	185	163	136	141	161
230	225	166	184	164	136	141	165
231	228	167	186	165	139	143	162
161	156	155	153	155	137	138	169
160	155	153	153	155	137	137	168
161	156	154	153	154	137	138	168
161	156	154	153	155	137	138	167
159	155	153	153	153	136	138	167
159	155	155	153	153	137	137	168
159	155	153	153	153	136	137	167
159	157	155	153	154	137	138	168
159	155	159	169	155	137	137	167
156	155	158	173	154	137	136	168
165	164	157	172	153	137	135	167
169	172	157	171	153	137	135	167
174	176	157	169	153	135	134	166
177	182	157	173	154	136	135	166
182	186	164	173	154	136	133	166

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F
191	191	*	200	186	191	170
192	193		204	189	195	171
193	194		206	194	197	170
194	199		208	197	199	170
195	199		211	199	202	169
196	200		212	201	206	169
197	202		213	206	206	168
198	203		215	207	212	167
199	204		213	210	208	167
200	202		213	212	215	167
201	202		213	212	212	166
202	204		213	213	213	166
203	203		213	213	215	166
204	204		214	215	217	166
205	206		214	215	218	166
206	206		215	216	214	166
207	206		216	217	215	166
208	208		218	216	221	167
209	208		217	216	213	167
210	208		216	218	219	166
211	209		218	219	218	166
212	210		218	218	218	166
213	210		219	220	219	166
214	208		218	219	216	166
215	210		219	220	218	166
216	212		219	219	220	166
217	212		219	220	221	166
218	214		221	221	218	165
219	215		221	223	221	164
220	214		221	222	219	166
221	215		222	223	219	166
222	215		222	225	223	166
223	213		223	224	222	165
224	216		222	225	221	165
225	215		223	226	222	166
226	216		225	226	226	166
227	217		224	227	225	167
228	218		225	228	224	166
229	218		226	228	230	166
230	218		226	229	229	166
231	219		226	229	223	166
232	219		226	231	225	167
233	219		225	229	230	167
234	219		226	232	226	167
235	221		227	231	231	167
236	222		228	232	232	167
237	220		226	232	232	167
238	223		228	233	232	167
239	223		231	233	231	167
240	221		231	232	229	167

4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
186	191	170	174	154	135	136	166
189	195	171	176	154	137	136	166
194	197	170	180	157	137	135	166
197	199	170	180	153	135	137	165
199	202	169	180	155	135	138	165
201	206	169	183	156	135	139	165
206	206	168	182	156	135	137	164
207	212	167	184	158	135	139	164
210	208	167	184	159	135	139	163
212	215	167	183	157	133	140	163
212	212	166	182	157	135	139	162
213	213	166	183	159	135	140	161
213	215	166	184	159	133	140	161
215	217	166	184	158	134	139	161
215	218	166	184	158	135	139	161
216	214	166	184	159	133	140	163
217	215	166	185	159	135	142	163
216	221	167	184	159	135	141	161
216	213	167	185	159	135	142	162
218	219	166	186	160	135	141	161
219	218	166	186	161	136	141	162
218	218	166	184	160	135	139	162
220	219	166	186	159	137	140	163
219	216	166	186	160	135	139	163
220	218	166	186	161	135	140	161
219	220	166	184	159	135	139	162
220	221	166	184	159	135	139	163
221	218	165	184	159	137	137	164
223	221	164	183	161	137	138	164
222	219	166	182	161	136	137	164
223	219	166	183	162	137	137	165
225	223	166	184	161	135	137	166
224	222	165	184	161	135	138	163
225	221	165	183	161	135	137	164
226	222	166	184	162	136	137	166
226	226	166	185	161	136	137	167
227	225	167	186	162	137	135	166
228	224	166	184	162	135	137	165
228	230	166	185	162	137	137	166
229	229	166	186	165	138	140	166
229	223	166	184	163	138	141	167
231	225	167	187	165	139	141	168
229	230	167	186	165	137	139	167
232	226	167	186	163	139	141	167
231	231	167	185	165	139	141	167
232	232	167	186	165	139	141	167
232	232	167	186	166	139	141	167
233	232	167	185	166	139	140	168
233	231	167	186	166	139	141	167
232	229	167	186	166	142	141	169

2

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F
241	223	*	230	232	231	167
242	223		231	233	232	168
243	223		231	233	232	164
244	223		232	233	230	164
245	223		232	234	231	165
246	225		234	235	232	166
247	227		238	238	234	166
248	227		238	239	236	169
249	228		239	240	239	169
250	231		241	241	239	173
251	233		244	243	240	176
252	234		245	245	241	176
253	236		248	247	243	178
254	236		248	247	245	178
255	239		251	247	244	180
256	239		252	248	244	179
257	241		253	250	245	179
258	241		254	250	246	180
259	242		256	251	248	181
260	245		255	254	248	181
261	245		257	255	249	182
262	247		258	255	251	182
263	248		261	256	252	183
264	249		262	260	254	184
265	250		264	259	256	185
266	251		264	262	257	184
267	251		265	262	258	185
268	253		264	262	258	186
269	254		267	264	258	186
270	255		267	264	258	186
271	256		270	265	260	188
272	256		270	267	260	187
273	257		271	267	262	188
274	258		272	268	262	187
275	260		271	270	265	188
276	260		273	271	265	189
277	259		273	271	267	189
278	270		274	273	267	189
279	260		275	272	267	189
280	262		275	272	267	190
281	264		275	275	269	191
282	264		276	273	269	191
283	265		277	277	270	191
284	265		278	277	271	192
285	265		278	277	271	191
286	267		278	278	271	192
287	267		279	277	272	192
288	261		279	280	274	192
289	267		281	278	274	193
290	269		280	278	275	193

14	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
0	232	231	167	187	166	140	142	167
1	233	232	168	187	167	141	141	168
1	233	232	164	181	167	141	143	167
2	233	230	164	180	167	142	143	167
2	234	231	165	182	166	142	143	166
3	235	232	166	183	167	145	143	166
3	238	234	166	184	167	143	143	166
4	239	236	169	185	169	143	144	166
4	240	239	169	184	169	143	146	169
4	241	239	173	184	171	143	145	169
5	243	240	176	186	170	145	147	167
5	245	241	176	189	169	147	145	169
6	247	243	178	190	171	146	147	168
6	247	245	178	191	171	146	147	169
6	247	244	180	193	172	146	148	169
7	248	244	179	193	173	146	148	171
7	250	245	179	195	173	145	150	171
8	250	246	180	197	174	146	152	172
8	251	248	181	197	174	147	151	172
8	254	248	181	198	174	146	153	174
9	255	249	182	198	174	146	155	173
9	255	251	182	200	175	147	155	173
9	256	252	183	200	177	147	155	174
10	260	254	184	203	179	149	158	176
10	259	256	185	202	180	149	158	178
10	262	257	184	204	181	148	159	178
10	262	258	185	204	180	149	158	178
10	262	258	186	205	182	148	159	179
11	264	258	186	204	182	148	160	179
11	264	258	186	206	181	148	161	179
11	265	260	188	206	182	151	161	180
11	267	260	187	207	183	149	161	181
11	267	262	188	206	182	150	161	179
11	268	262	187	207	183	151	161	180
12	270	265	188	208	186	149	163	182
12	271	265	189	212	186	149	164	183
12	271	267	189	208	186	152	163	182
12	273	267	189	296	187	151	166	182
12	272	267	189	212	187	151	165	184
12	272	267	190	212	187	151	166	184
12	275	269	191	212	188	150	166	184
13	273	269	191	212	189	151	166	186
13	277	270	191	214	189	151	167	186
13	277	271	192	213	189	153	167	186
13	277	271	191	213	192	151	166	187
13	278	271	192	213	190	152	167	187
13	277	272	192	213	192	153	167	187
14	280	274	192	214	193	151	167	188
14	278	274	193	213	193	153	167	188
14	278	275	193	215	193	151	168	189

2

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F
291	270	*	284	277	268	193
292	265		279	274	262	192
293	266		281	272	256	193
294	*		*	*	*	*

4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
277	268	193	215	193	151	170	189
274	262	192	215	195	151	171	189
272	256	193	216	193	153	171	190
*	*	*	*	*	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
FLT. 28 MAY 70
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
1	*	124	123
2	*	124	125
3	*	124	125
4	*	125	124
5	*	124	125
6	*	124	124
7	*	125	124
8	*	123	124
9	*	125	124
10	*	124	125
11	*	123	124
12	*	124	124
13	*	125	125
14	*	125	124
15	*	124	124
16	125	128	124
17	123	137	127
18	125	143	128
19	125	150	131
20	122	155	131
21	126	157	134
22	127	161	136
23	108	166	137
24	127	167	138
25	129	169	139
26	*	171	139
27	128	173	140
28	131	173	140
29	131	175	141
30	139	175	142
31	133	178	143
32	131	180	144
33	*	180	145
34	129	180	145
35	135	182	144
36	138	184	146
37	137	191	146
38	*	183	145
39	139	184	147
40	*	184	147

CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
41	129	186	148
42	116	184	149
43	143	186	149
44	142	186	149
45	143	186	150
46	146	184	151
47	141	186	151
48	137	186	151
49	145	185	150
50	*	188	149
51	128	189	149
52	145	189	150
53	143	191	151
54	142	190	153
55	145	191	153
56	147	191	153
57	151	192	155
58	153	199	174
59	149	203	180
60	149	198	178
61	151	197	176
62	150	195	174
63	151	193	173
64	151	192	171
65	153	190	170
66	153	188	169
67	155	189	171
68	157	185	170
69	161	188	159
70	159	187	156
71	157	189	155
72	163	195	164
73	161	208	182
74	158	203	178
75	159	200	176
76	159	199	174
77	159	196	173
78	160	195	172
79	159	193	171
80	160	187	170
81	161	186	171
82	159	184	169
83	160	183	168
84	161	181	169
85	157	153	153
86	157	152	153
87	157	153	153
88	157	153	153
89	157	152	152
90	159	151	153

CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
91	158	151	152
92	158	150	152
93	157	150	151
94	157	150	151
95	157	150	151
96	157	150	151
97	157	149	150
98	157	149	151
99	158	149	151
100	161	161	151
101	161	171	147
102	159	176	147
103	158	180	149
104	159	182	149
105	157	184	150
106	156	187	151
107	159	187	153
108	157	190	153
109	162	197	168
110	163	206	180
111	158	200	177
112	159	198	175
113	159	195	173
114	159	193	172
115	159	192	170
116	159	189	169
117	161	188	167
118	160	187	167
119	160	186	167
120	161	183	166
121	161	182	166
122	161	180	166
123	162	180	165
124	160	177	165
125	162	178	167
126	166	180	168
127	167	184	158
128	166	184	155
129	165	187	155
130	164	189	155
131	170	202	169
132	167	213	186
133	166	204	173
134	165	202	163
135	165	202	163
136	167	202	162
137	164	204	162
138	166	205	162
139	166	204	163
140	167	204	162

CA	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
141	166	205	162
142	166	205	163
143	164	208	161
144	165	205	161
145	164	206	161
146	164	205	161
147	165	206	162
148	164	205	161
149	166	206	161
150	165	205	160
151	166	203	160
152	167	204	163
153	166	205	161
154	166	202	162
155	167	204	162
156	166	203	162
157	167	205	162
158	168	204	163
159	167	202	162
160	167	204	162
161	167	207	163
162	167	203	164
163	168	203	164
164	170	205	164
165	169	205	166
166	168	204	164
167	171	204	165
168	168	205	165
169	169	205	166
170	171	205	165
171	179	205	166
172	170	205	166
173	169	206	165
174	171	206	171
175	119	206	169
176	166	146	146
177	165	146	147
178	164	146	146
179	165	145	146
180	165	145	145
181	165	145	146
182	164	146	145
183	161	145	146
184	166	168	147
185	168	176	151
186	164	180	153
187	173	184	155
188	151	189	157
189	170	198	169
190	169	210	186

CA	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
191	166	204	174
192	166	201	166
193	165	202	162
194	166	201	164
195	166	201	163
196	166	203	163
197	167	204	163
198	166	202	163
199	166	203	164
200	166	204	163
201	166	204	164
202	167	205	163
203	166	205	163
204	166	205	166
205	166	203	167
206	166	205	166
207	168	203	166
208	168	203	165
209	167	204	163
210	167	204	163
211	167	203	164
212	168	203	165
213	169	203	164
214	168	204	164
215	167	203	164
216	167	204	164
217	167	204	164
218	167	204	165
219	168	204	163
220	169	204	164
221	170	203	164
222	168	203	164
223	169	204	164
224	170	204	163
225	168	203	165
226	169	205	165
227	169	203	164
228	169	205	164
229	170	206	166
230	171	203	167
231	171	203	166
232	171	204	166
233	170	205	165
234	171	204	165
235	171	203	166
236	171	204	166
237	169	204	166
238	171	204	166
239	171	206	167
240	171	205	167

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CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
241	171	205	166
242	171	206	166
243	171	206	166
244	171	205	167
245	171	205	167
246	170	204	169
247	171	206	171
248	171	205	176
249	179	214	189
250	174	210	184
251	171	208	180
252	175	209	178
253	175	210	178
254	170	212	180
255	174	212	179
256	*	214	181
257	174	214	181
258	175	216	181
259	173	215	182
260	171	217	181
261	*	217	182
262		219	183
263		218	186
264	*	222	186
265	*	220	187
266	*	222	186
267	*	222	186
268	*	222	187
269	*	222	187
270	*	223	188
271	*	225	189
272	*	223	189
273	*	225	190
274	*	225	188
275	*	226	190
276	*	226	191
277	*	226	190
278	*	227	192
279	*	226	192
280	*	228	192
281	*	228	192
282	*	228	192
283	*	228	192
284	*	228	191
285	*	229	192
286	*	229	192
287	*	231	192
288	*	231	192
289	*	230	193
290	*	231	193

CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
291	*	231	189
292	*	230	189
293	*	230	187
294	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CN	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C
1	0	11	51	50
2	0	29	51	50
3	0	48	51	50
4	1	7	51	51
5	1	26	51	50
6	1	45	51	50
7	2	9	51	50
8	2	28	51	50
9	2	46	50	50
10	3	5	51	51
11	3	24	51	51
12	3	43	51	50
13	4	2	51	50
14	4	20	51	50
15	4	39	51	50
16	4	58	51	50
17	5	17	50	49
18	5	35	51	50
19	5	54	51	50
20	6	13	50	49
21	6	32	52	50
22	6	51	51	50
23	7	9	51	50
24	7	28	51	51
25	7	47	51	50
26	8	6	51	50
27	8	24	51	50
28	8	43	51	50
29	9	2	51	49
30	9	21	51	50
31	9	39	51	50
32	9	58	51	51
33	10	17	51	51
34	10	36	51	50
35	10	55	51	51
36	11	13	51	51
37	11	32	51	50
38	11	51	51	51
39	12	10	51	51
40	12	28	52	51

5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP FUEL INLET DEG.F	5-09 ENG.1 N.G.B. OIL COOLER OUTLET DEG.C	5-10 ENG.1 N.G.B. OIL COOLER INLET DEG.C	5-11 ENG.2 N.G.B. OIL COOLER OUTLET DEG.C
51	50	51	123	51	51	51
51	50	51	123	51	50	51
51	50	51	123	51	50	51
51	51	51	123	51	51	52
51	50	52	123	51	51	51
51	50	51	123	51	51	52
51	50	52	123	51	50	51
51	50	51	123	51	50	51
50	50	51	123	50	51	51
51	51	51	123	51	51	52
51	51	51	123	51	51	51
51	50	51	123	51	51	52
51	50	51	123	51	51	51
51	50	52	123	51	51	51
51	50	52	124	51	51	51
51	50	50	122	52	50	50
50	49	51	123	50	51	52
51	50	51	121	51	51	52
51	50	51	123	51	50	51
50	49	51	122	51	50	51
52	50	51	122	50	51	51
51	50	51	122	51	51	51
51	50	51	123	51	51	51
51	51	51	123	51	50	51
51	50	51	121	50	51	51
51	50	51	123	51	50	51
51	50	51	122	51	51	51
51	50	51	123	50	50	51
51	49	51	123	50	51	51
51	50	51	123	51	50	51
51	50	52	125	50	50	51
51	51	51	124	51	51	52
51	51	52	123	51	50	51
51	50	52	123	51	51	52
51	51	51	124	51	51	52
51	51	53	123	51	51	52
51	50	51	125	51	51	51
51	51	52	124	51	51	52
51	51	52	123	51	51	52
52	51	52	123	51	51	52

2

CN	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C
41	12	47	52	51
42	13	6	51	50
43	13	25	51	50
44	13	43	51	51
45	14	2	51	51
46	14	21	51	51
47	14	40	50	51
48	14	58	51	51
49	15	17	51	51
50	15	36	51	51
51	15	55	50	50
52	16	14	51	50
53	16	32	51	51
54	16	51	50	50
55	17	10	51	51
56	17	29	50	51
57	17	47	50	50
58	18	6	51	51
59	18	25	51	53
60	18	44	51	54
61	19	2	51	53
62	19	21	51	53
63	19	40	51	53
64	19	59	51	53
65	20	17	52	53
66	20	36	51	53
67	20	55	53	54
68	21	14	52	53
69	21	32	51	53
70	21	51	52	53
71	22	10	52	53
72	22	29	51	53
73	22	48	51	53
74	23	6	51	53
75	23	25	51	52
76	23	44	51	52
77	24	3	51	53
78	24	21	51	52
79	24	40	51	53
80	24	59	51	53
81	25	18	51	53
82	25	36	51	55
83	25	55	51	53
84	26	9	51	53
85	26	21	51	54
86	26	20	51	54
87	26	58	51	54
88	27	17	51	54
89	27	36	51	54
90	27	55	51	54

5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP FUEL INLET DEG.F	5-09 ENG.1 N.G.B. OIL COOLER OUTLET DEG.C	5-10 ENG.1 N.G.B. OIL COOLER INLET DEG.C	5-11 ENG.2 N.G.B. OIL COOLER OUTLET DEG.C
52	51	51	125	52	51	51
51	50	52	125	51	51	51
51	50	51	123	52	51	51
51	51	52	124	51	51	52
51	51	51	122	52	52	51
51	51	52	123	51	51	51
50	51	52	123	51	51	51
51	51	51	123	51	50	52
51	51	51	123	50	51	51
51	51	51	122	51	51	51
50	50	51	122	51	51	51
51	50	51	123	51	51	51
51	51	51	122	51	51	51
50	50	51	121	50	51	51
51	51	52	122	51	51	52
50	51	51	124	51	51	51
50	50	51	122	51	50	52
51	51	51	122	50	51	51
51	53	52	123	51	51	51
51	54	53	123	51	52	51
51	53	53	123	51	51	51
51	53	53	123	51	52	51
51	53	53	123	51	51	51
51	53	53	123	51	51	51
52	53	53	123	51	52	51
51	53	53	123	52	52	51
53	54	54	123	52	52	52
52	53	53	125	53	52	52
51	53	53	124	51	51	51
52	53	52	125	52	51	51
52	53	53	123	52	52	51
51	53	53	123	51	52	51
51	53	53	123	52	52	51
51	53	53	123	51	52	51
51	52	53	123	52	52	51
51	52	52	123	52	52	51
51	53	53	124	52	52	51
51	52	52	123	52	52	51
51	53	53	124	52	52	51
51	53	53	125	52	52	51
51	53	52	123	52	52	51
51	53	53	123	52	53	51
51	53	53	123	52	53	51
51	53	52	124	52	52	51
51	54	53	126	54	53	51
51	54	53	125	54	53	51
51	54	53	126	53	53	51
51	54	53	125	53	53	51
51	54	53	125	53	53	51
51	54	53	126	54	53	52

CN	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C
91	28	14	51	54
92	28	32	51	54
93	28	51	51	54
94	29	10	51	54
95	29	29	51	54
96	29	47	51	54
97	30	6	51	54
98	30	25	51	54
99	30	44	51	54
100	31	3	51	54
101	31	21	51	54
102	31	40	52	53
103	31	59	52	54
104	32	18	51	54
105	32	36	51	54
106	32	55	52	54
107	33	14	52	55
108	33	33	51	54
109	33	52	51	54
110	34	10	52	56
111	34	29	52	57
112	34	48	51	57
113	35	7	52	57
114	35	25	52	56
115	35	44	52	56
116	36	3	52	56
117	36	22	52	56
118	36	41	52	56
119	36	59	53	56
120	37	18	52	56
121	37	37	52	56
122	37	56	52	56
123	38	14	52	56
124	38	33	52	56
125	38	52	53	56
126	39	11	53	56
127	39	30	53	56
128	39	48	52	56
129	40	7	52	56
130	40	26	53	56
131	40	45	54	58
132	41	3	53	58
133	41	22	54	62
134	41	41	56	64
135	42	0	59	68
136	42	19	61	71
137	42	37	62	74
138	42	56	66	77
139	43	15	67	80
140	43	34	71	82

5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP FUEL INLET DEG.F	5-09 ENG.1 N.G.B. OIL COOLER OUTLET DEG.C	5-10 ENG.1 N.G.B. OIL COOLER INLET DEG.C	5-11 ENG.2 N.G.B. OIL COOLER OUTLET DEG.C
51	54	53	125	54	53	51
51	54	53	126	53	53	51
51	54	53	125	53	53	51
51	54	53	125	54	53	51
51	54	53	127	54	53	51
51	54	53	126	53	53	52
51	54	53	126	54	53	51
51	54	53	126	53	53	51
51	54	54	127	54	53	52
51	54	53	127	53	53	52
51	54	53	125	54	52	52
52	53	54	126	53	53	53
52	54	54	126	54	53	51
51	54	54	126	54	53	51
51	54	54	125	53	53	51
52	54	53	127	54	53	52
52	55	54	125	53	54	51
51	54	54	126	53	53	52
51	54	54	127	54	53	53
52	56	54	126	54	53	52
52	57	56	127	53	53	52
51	57	57	126	54	53	51
52	57	57	127	54	53	51
52	56	56	126	54	53	51
52	56	56	126	54	53	52
52	56	56	126	54	53	51
52	56	56	126	54	53	52
52	56	56	126	54	53	51
53	56	57	127	54	53	51
52	56	57	126	53	53	51
52	56	57	126	54	53	51
52	56	57	126	54	53	51
52	56	57	126	54	53	51
52	56	57	126	54	54	52
53	56	57	126	54	53	51
53	56	57	127	54	53	51
53	56	57	127	54	54	52
52	56	56	126	55	53	52
52	56	57	128	54	54	53
53	56	57	127	55	54	51
54	56	57	126	54	53	51
53	58	57	127	54	53	52
54	62	60	127	54	53	52
56	64	64	127	53	54	51
59	68	66	126	54	54	51
61	71	69	127	54	54	52
62	74	72	127	56	53	52
66	77	72	124	54	52	52
67	80	72	122	54	53	53
71	82	73	121	55	53	52

CN	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C
141	43	52	71	82
142	44	11	71	85
143	44	30	71	85
144	44	49	73	87
145	45	4	73	87
146	45	26	74	89
147	45	45	75	92
148	46	4	76	95
149	46	23	76	98
150	46	41	76	99
151	47	0	76	100
152	47	19	78	102
153	47	38	78	104
154	47	56	79	104
155	48	15	80	104
156	48	34	81	107
157	48	53	83	107
158	49	11	85	109
159	49	30	85	109
160	49	49	85	111
161	50	8	86	111
162	50	27	87	111
163	50	45	88	112
164	51	4	88	111
165	51	23	88	112
166	51	42	89	113
167	52	0	90	114
168	52	19	90	114
169	52	38	89	114
170	52	57	91	114
171	53	15	90	115
172	53	34	91	114
173	53	53	91	111
174	54	12	92	110
175	54	31	92	109
176	54	50	92	78
177	55	14	92	78
178	55	33	92	78
179	55	52	91	78
180	56	10	92	78
181	56	29	91	78
182	56	48	91	77
183	57	7	91	78
184	57	26	92	78
185	57	44	92	77
186	58	3	91	77
187	58	22	91	78
188	58	41	92	77
189	59	0	92	79
190	59	18	92	113

5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL CCCLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP FUEL INLET DEG.F	5-09 ENG.1 N.G.B. OIL COOLER OUTLET DEG.C	5-10 ENG.1 N.G.B. OIL COOLER INLET DEG.C	5-11 ENG.2 N.G.B. OIL COOLER OUTLET DEG.C
71	82	7[illegible]	119	55	55	51
71	85	74	119	56	56	51
71	85	74	118	57	57	51
73	87	76	117	58	58	51
73	87	76	119	59	59	52
74	89	78	117	60	60	51
75	92	75	116	61	63	52
76	95	77	115	64	67	51
76	98	77	113	67	75	52
76	99	79	115	70	78	51
76	100	80	113	73	84	53
78	102	82	115	75	86	53
78	104	82	113	77	90	52
79	104	83	113	78	92	52
80	104	84	113	79	95	52
81	107	86	113	82	96	52
83	107	86	114	83	98	51
85	109	87	115	84	100	52
85	109	87	114	85	100	52
86	111	88	113	85	102	51
86	111	89	113	86	103	52
87	111	89	113	87	104	52
88	112	89	114	87	105	52
88	111	91	114	88	105	52
88	112	90	115	87	105	51
89	113	90	115	88	105	53
90	114	91	120	89	107	52
90	114	90	121	89	107	53
89	114	91	119	89	108	52
91	114	91	117	89	108	52
90	115	92	115	90	109	53
91	114	95	116	92	107	52
91	111	104	117	96	107	52
92	110	106	120	95	105	53
92	109	106	120	96	105	53
92	78	105	157	85	86	53
92	78	105	159	85	86	53
92	78	105	157	85	86	53
91	78	104	157	85	86	53
92	78	104	157	84	86	53
91	78	105	157	85	86	53
91	77	104	157	84	85	53
91	78	104	158	84	86	53
92	78	103	159	84	86	53
92	77	103	159	84	85	53
91	77	103	158	84	85	53
91	78	103	156	84	85	53
92	77	103	158	84	84	53
92	79	86	157	83	85	53
92	113	98	159	84	85	53

CN	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL CCOLER INLET OIL DEG.C
191	59	37	95	113
192	59	56	99	112
193	60	15	103	113
194	60	33	104	116
195	60	52	105	116
196	61	11	105	120
197	61	30	105	120
198	61	49	103	121
199	62	7	100	121
200	62	26	96	120
201	62	45	95	119
202	63	4	94	119
203	63	22	93	118
204	63	41	93	118
205	64	0	92	118
206	64	19	92	118
207	64	38	92	118
208	64	56	92	118
209	65	15	92	119
210	65	34	92	120
211	65	53	93	119
212	66	11	94	121
213	66	30	92	121
214	66	49	93	120
215	67	8	93	122
216	67	27	94	124
217	67	45	95	125
218	68	4	95	125
219	68	23	96	126
220	68	42	96	126
221	69	0	97	126
222	69	19	98	126
223	69	38	98	128
224	69	57	98	128
225	70	15	99	128
226	70	34	98	128
227	70	53	98	129
228	71	12	100	129
229	71	30	99	129
230	71	49	99	129
231	72	8	100	129
232	72	27	100	129
233	72	46	101	130
234	73	4	100	130
235	73	23	100	130
236	73	42	101	130
237	74	1	100	130
238	74	19	100	130
239	74	38	101	130
240	74	57	100	128

5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL CCCLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP FUEL INLET DEG.F	5-09 ENG.1 N.G.B. OIL COOLER OUTLET DEG.C	5-10 ENG.1 N.G.B. OIL COOLER INLET DEG.C	5-11 ENG.2 N.G.B. OIL COOLER OUTLET DEG.C
95	113	109	157	83	90	53
99	112	107	157	86	92	52
103	113	105	156	86	92	53
104	116	106	153	86	93	52
105	116	104	147	86	93	53
105	120	98	141	88	92	53
105	120	94	131	8.	95	54
103	121	94	126	84	98	54
100	121	94	122	85	100	53
96	120	92	121	85	102	53
95	119	93	119	86	104	54
94	119	93	117	88	105	53
93	118	92	118	88	106	53
93	118	93	116	89	106	53
92	118	92	117	89	107	53
92	118	93	116	89	108	53
92	118	92	117	89	109	53
92	118	92	116	90	110	53
92	119	94	118	90	111	53
92	120	93	117	90	111	53
93	119	94	116	91	112	53
94	121	95	116	91	113	53
92	121	94	115	92	113	53
93	120	95	115	92	114	53
93	122	96	115	91	114	53
94	124	96	113	93	115	53
95	125	97	113	93	115	52
95	125	98	114	94	116	53
96	126	98	113	94	117	53
96	126	98	115	94	118	53
97	126	98	114	95	118	53
98	126	99	115	95	118	53
98	128	99	114	95	119	52
98	128	99	113	96	119	52
99	128	100	115	96	120	52
98	128	100	115	95	120	53
98	129	100	114	96	120	53
100	129	100	115	96	120	53
99	129	101	115	96	120	52
99	129	100	116	96	122	52
100	129	100	115	96	121	53
100	129	100	114	96	121	53
101	130	101	115	97	121	53
100	130	100	115	96	121	53
100	130	101	115	96	122	53
101	130	101	115	96	122	54
100	130	102	115	98	122	52
100	130	101	115	97	122	53
101	130	102	115	98	122	53
100	128	102	115	99	121	53

2

CN	S-02 TIME MIN.	S-03 TIME SEC.	S-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	S-06 ENG.1 OIL CCOLER INLET OIL DEG.C
241	75	16	101	127
242	75	34	101	126
243	75	53	100	125
244	76	12	100	124
245	76	31	100	122
246	76	50	100	119
247	77	8	101	118
248	77	27	101	117
249	77	46	101	117
250	78	5	101	122
251	78	23	100	121
252	78	42	101	120
253	79	1	100	119
254	79	20	101	117
255	79	38	101	117
256	79	57	101	116
257	80	16	100	115
258	80	35	100	115
259	80	53	101	113
260	81	12	100	113
261	81	31	100	113
262	81	50	101	113
263	82	9	102	111
264	82	27	102	112
265	82	46	102	111
266	83	5	102	111
267	83	24	102	109
268	83	42	102	109
269	84	1	102	108
270	84	20	102	108
271	84	39	101	107
272	84	57	102	107
273	85	16	101	107
274	85	35	102	106
275	85	54	102	106
276	86	12	101	106
277	86	31	101	105
278	86	50	101	105
279	87	9	101	104
280	87	27	102	103
281	87	46	101	103
282	88	5	102	103
283	88	24	102	103
284	88	42	101	103
285	89	1	101	102
286	89	20	102	102
287	89	39	102	102
288	89	57	101	101
289	90	16	101	100
290	90	35	101	100

5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP FUEL INLET DEG.F	5-09 ENG.1 N.G.B. OIL COOLER OUTLET DEG.C	5-10 ENG.1 N.G.B. OIL COOLER INLET DEG.C	5-11 ENG.2 N.G.B. OIL COOLER OUTLET DEG.C
101	127	101	118	98	121	52
101	126	101	118	98	120	52
100	125	99	117	98	120	53
100	124	103	118	100	118	54
100	122	111	121	103	116	52
100	119	115	121	106	115	53
101	118	116	122	107	115	53
101	117	115	123	106	114	53
101	117	115	123	107	114	53
101	122	116	124	108	114	54
100	121	117	123	109	113	53
101	120	118	124	109	113	53
100	119	117	125	109	112	53
101	117	118	125	108	113	53
101	117	118	126	108	112	53
101	116	119	127	108	112	53
100	115	121	127	107	111	53
100	115	121	127	108	111	53
101	113	120	129	107	112	53
100	113	121	130	107	111	53
100	113	122	129	107	111	53
101	113	123	133	107	111	54
102	111	124	133	106	111	53
102	112	125	135	107	112	54
102	111	125	137	107	112	53
102	111	125	137	107	111	53
102	109	126	139	107	111	54
102	109	126	139	107	111	53
102	108	127	141	107	111	54
102	108	127	143	107	110	53
101	107	127	143	107	110	54
102	107	128	145	107	111	54
101	107	128	146	107	110	54
102	106	128	147	107	110	54
102	106	128	147	107	111	54
101	106	129	147	107	110	54
101	105	129	151	107	109	54
101	105	129	149	107	110	54
101	104	129	152	106	109	54
102	103	128	153	106	109	54
101	103	129	154	107	109	53
102	103	129	153	107	108	54
102	103	120	155	107	108	54
101	103	107	157	106	108	54
101	102	107	157	107	108	54
102	102	111	158	107	108	54
102	102	111	159	107	108	54
101	101	108	158	107	108	54
101	100	104	160	106	107	54
101	100	108	159	106	108	54

2

CN	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL CCCLER INLET OIL DEG.C
291	90	54	102	100
292	91	12	100	100
293	91	31	102	100
294	*	*	*	*

-03	5-05	5-06	5-07	5-08	5-09	5-10	5-11
ME	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2
	OIL	OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.
C.	TANK	CCCLER	COOLER	PUMP	OIL	OIL	OIL
	1/3LEV	INLET	OUTLET	FUEL	COOLER	COOLER	COOLER
	TEMP	OIL	OIL	INLET	OUTLET	INLET	OUTLET
	DEG.C	DEG.C	DEG.C	DEG.F	DEG.C	DEG.C	DEG.C
1 4	102	100	104	161	106	108	54
1 2	100	100	108	161	106	107	54
1 1	102	100	106	162	105	108	54
*	*	*	*	*	*	*	*

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HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CN	5-12 ENG.2 N.G.B. OIL COOLER INLET DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET DEG.C	5-17 MAIN G.BOX OIL COOLER OUTLET DEG.C
1	52	51	51	53	51	51
2	51	50	51	53	50	51
3	51	50	51	53	51	51
4	51	51	51	53	51	51
5	51	51	51	53	51	51
6	52	50	51	53	51	52
7	51	50	51	53	51	51
8	51	50	51	53	51	51
9	51	51	51	53	51	51
10	51	50	51	53	51	51
11	51	51	51	53	51	51
12	51	51	51	53	51	51
13	51	51	52	53	51	51
14	52	50	52	53	51	52
15	52	51	52	53	51	51
16	51	50	51	52	51	51
17	51	51	51	53	51	51
18	51	50	51	54	51	51
19	51	51	51	56	51	51
20	51	51	51	57	51	51
21	51	50	51	60	51	51
22	51	50	51	60	51	50
23	51	51	51	61	51	51
24	51	50	51	62	51	52
25	51	50	51	64	51	51
26	50	49	51	64	51	51
27	52	50	51	66	51	51
28	51	51	51	67	51	51
29	50	50	51	68	51	51
30	51	51	51	69	50	50
31	51	50	51	70	51	50
32	51	50	52	72	51	51
33	51	51	52	73	51	51
34	51	50	51	74	51	51
35	52	51	52	74	51	51
36	52	51	51	76	51	51
37	52	50	52	77	51	51
38	53	50	52	77	51	51
39	52	51	52	79	51	51
40	52	51	52	79	51	51

5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET DEG.C	5-17 MAIN G.BOX OIL COOLER OUTLET DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN. MASS TEMP DEG.F	5-21 FUEL TEMP. TO COMBST HEATER DEG.F	5-22 ELECT. COMPRT NO.1 TEMP DEG.F
53	51	51	50	51	124	125	115
53	50	51	49	51	125	125	115
53	51	51	50	51	124	125	115
53	51	51	50	51	124	126	115
53	51	51	50	51	125	125	115
53	51	52	50	51	125	125	115
53	51	51	49	51	124	125	115
53	51	51	50	51	125	125	115
53	51	51	49	51	125	125	116
53	51	51	50	51	125	126	115
53	51	51	50	51	125	125	115
53	51	51	50	51	125	126	116
53	51	51	50	51	125	125	116
53	51	52	50	52	125	125	116
53	51	51	50	52	125	126	116
52	51	51	49	51	125	125	115
53	51	51	50	51	127	126	115
54	51	51	49	51	125	129	114
56	51	51	50	51	126	131	115
57	51	51	50	51	125	126	115
60	51	51	50	51	126	131	115
60	51	50	49	51	126	129	115
61	51	51	49	51	128	126	115
62	51	52	50	51	128	133	115
64	51	51	49	51	128	134	116
64	51	51	50	51	131	129	115
66	51	51	50	51	131	137	116
67	51	51	50	51	133	131	116
68	51	51	50	51	133	123	116
69	50	50	49	51	135	131	116
70	51	50	49	51	135	135	115
72	51	51	50	51	135	127	117
73	51	51	49	51	138	136	117
74	51	51	50	51	139	126	117
74	51	51	50	52	141	131	117
76	51	51	49	51	143	131	117
77	51	51	50	51	145	129	117
77	51	51	50	52	145	135	117
79	51	51	49	51	146	141	117
79	51	51	50	51	147	135	117

2

CN	5-12 ENG.2 N.G.B. OIL COOLER INLET DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL CCOLER INLET DEG.C	5-17 MAIN G.BOX OIL CCCLER CUTLET DEG.C
41	52	50	52	81	51	51
42	51	51	51	81	51	51
43	51	51	51	81	51	51
44	51	51	51	83	51	51
45	51	51	51	84	52	51
46	51	50	51	85	51	51
47	51	50	51	85	51	51
48	52	50	51	86	51	51
49	51	50	51	86	51	51
50	51	50	50	87	51	51
51	51	50	51	87	51	51
52	51	50	51	88	51	51
53	51	50	50	89	51	51
54	50	51	51	90	51	51
55	50	51	51	90	51	51
56	51	50	51	92	51	51
57	51	51	51	91	51	51
58	51	51	51	93	51	52
59	50	50	51	92	51	51
60	51	50	51	89	51	51
61	52	50	51	87	51	51
62	51	50	51	87	51	51
63	51	50	51	86	51	51
64	51	50	51	85	51	51
65	51	51	51	85	51	51
66	51	50	52	84	51	51
67	51	51	52	84	51	51
68	52	50	51	88	51	51
69	51	50	51	91	51	51
70	51	50	51	92	51	51
71	51	50	51	93	51	51
72	51	50	50	94	51	51
73	51	52	52	94	51	51
74	51	53	53	91	51	51
75	51	53	52	89	51	51
76	51	53	52	88	50	51
77	51	53	52	87	51	51
78	51	53	53	86	51	51
79	51	52	52	86	51	51
80	51	53	52	85	51	51
81	51	52	52	85	51	50
82	51	52	52	84	51	51
83	51	52	52	83	51	51
84	51	52	52	83	51	51
85	51	52	52	69	51	51
86	51	52	52	69	51	51
87	51	52	52	68	51	51
88	51	52	52	69	51	51
89	51	52	52	68	51	51
90	51	52	51	68	52	51

5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL CCOLER INLET DEG.C	5-17 MAIN G.BOX OIL CCOLER OUTLET DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN. MASS TEMP DEG.F	5-21 FUEL TEMP. TO COMBST HEATER DEG.F	5-22 ELECT. COMPRT NO.1 TEMP DEG.F
81	51	51	50	52	149	131	117
81	51	51	50	51	147	131	118
81	51	51	49	51	149	139	119
83	51	51	50	51	151	133	118
84	52	51	49	51	153	137	119
85	51	51	49	51	153	135	118
85	51	51	50	51	155	133	119
86	51	51	50	51	156	131	119
86	51	51	50	51	155	138	119
87	51	51	49	51	157	136	119
87	51	51	49	51	159	138	119
88	51	51	49	51	159	137	119
89	51	51	49	51	160	136	119
90	51	51	50	51	161	131	119
90	51	51	49	51	162	139	119
92	51	51	49	51	164	146	119
91	51	51	49	51	163	139	119
93	51	52	49	51	164	136	119
92	51	51	49	50	166	139	119
89	51	51	49	50	167	141	119
87	51	51	50	51	167	142	119
87	51	51	50	51	168	143	119
86	51	51	50	51	168	144	119
85	51	51	50	51	169	145	120
85	51	51	49	51	169	145	120
84	51	51	50	51	170	146	120
84	51	51	50	52	171	147	119
88	51	51	51	51	170	149	121
91	51	51	50	51	171	146	119
92	51	51	49	51	171	146	119
93	51	51	49	51	171	149	120
94	51	51	49	51	169	142	119
94	51	51	49	51	172	147	119
91	51	51	49	51	172	150	119
89	51	51	49	51	173	149	120
88	50	51	49	51	173	150	120
87	51	51	49	51	173	151	119
86	51	51	49	50	173	152	120
86	51	51	50	52	173	154	120
85	51	51	50	51	174	153	120
85	51	50	49	51	174	153	120
84	51	51	50	51	173	154	120
83	51	51	50	51	174	155	120
83	51	51	49	51	173	155	120
69	51	51	49	51	167	149	120
69	51	51	50	51	165	147	119
68	51	51	50	51	164	147	119
69	51	51	50	51	164	149	120
68	51	51	50	51	164	149	120
68	52	51	49	52	164	148	119

2

CN	5-12 ENG.2 N.G.B. OIL COOLER INLET DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL CCOLER INLET DEG.C	5-17 MAIN G.BOX OIL CCCLER OUTLET DEG.C
91	51	52	51	68	51	51
92	51	52	51	68	51	51
93	51	52	52	68	51	51
94	51	52	52	68	51	51
95	51	52	52	68	51	51
96	52	52	52	68	51	51
97	51	53	52	67	51	51
98	51	52	52	68	51	52
99	51	52	52	67	51	52
100	52	53	52	77	51	52
101	51	52	51	82	51	51
102	52	52	52	83	51	52
103	52	52	52	84	51	51
104	52	53	52	85	51	51
105	50	52	52	85	51	51
106	52	52	53	87	52	52
107	52	53	52	87	51	52
108	51	53	52	89	51	51
109	51	53	52	89	52	51
110	52	52	52	90	51	51
111	51	52	52	86	51	51
112	51	52	52	85	51	51
113	51	53	52	84	51	51
114	51	52	52	83	51	51
115	51	52	52	83	51	51
116	51	53	52	82	51	51
117	51	53	52	82	51	51
118	51	52	52	81	51	51
119	51	52	52	81	51	51
120	51	52	52	81	51	51
121	51	53	52	80	51	51
122	51	52	52	79	52	51
123	51	52	52	79	51	52
124	51	52	52	79	51	51
125	51	52	52	79	51	51
126	51	52	52	83	51	52
127	51	52	53	87	51	51
128	51	52	52	89	51	51
129	51	53	52	89	51	51
130	51	53	52	91	52	51
131	51	53	52	91	52	53
132	51	53	52	92	51	52
133	51	52	52	93	51	51
134	51	53	52	94	51	51
135	51	53	51	95	51	52
136	51	53	52	96	52	52
137	51	53	52	96	52	52
138	51	53	53	97	51	53
139	52	52	53	97	51	53
140	50	53	52	99	52	53

14	5-15	5-16	5-17	5-18	5-19	5-20	5-21	5-22
.2	ACCESS	MAIN	MAIN	INTER.	TAIL	GEN.	FUEL	ELECT.
IL	GEAR	G.BOX	G.BOX	GEAR	GEAR	MASS	TEMP.	COMPRT
ER	BOX	OIL	OIL	BOX	BOX	TEMP	TO	NO.1
ET	OIL	COOLER	COOLER	OIL	OIL		COMBST	TEMP
IL	TEMP	INLET	OUTLET	TEMP	TEMP		HEATER	
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.F	DEG.F	DEG.F
1	68	51	51	50	51	165	149	119
1	68	51	51	49	51	163	149	119
2	68	51	51	50	51	164	149	119
2	68	51	51	50	51	163	149	121
2	68	51	51	49	51	163	149	120
2	68	51	51	50	51	163	149	120
2	67	51	51	50	51	163	148	119
2	68	51	52	50	51	163	149	119
2	67	51	52	50	52	164	150	120
2	77	51	52	50	51	163	151	120
1	82	51	51	50	51	163	147	120
2	83	51	52	50	51	164	153	120
2	84	51	51	50	51	164	143	119
2	85	51	51	50	51	164	147	119
2	85	51	51	50	51	166	150	119
2	87	52	52	50	51	166	153	119
2	87	51	52	49	51	166	149	119
2	89	51	51	50	52	167	144	119
2	89	52	51	50	51	168	147	120
2	90	51	51	49	51	168	147	119
2	86	51	51	49	51	169	149	119
2	85	51	51	50	51	169	149	120
2	84	51	51	49	51	169	150	119
2	83	51	51	50	51	171	150	120
2	83	51	51	50	51	170	151	121
2	82	51	51	49	51	170	152	120
2	82	51	51	49	51	170	153	119
2	81	51	51	50	51	171	153	119
1	81	51	51	50	51	172	154	120
1	81	51	51	49	51	171	154	120
1	80	51	51	49	51	171	154	120
1	79	52	51	50	51	171	155	120
1	79	51	52	50	51	171	156	120
1	79	51	51	50	51	171	155	119
1	79	51	51	50	51	171	157	121
1	83	51	52	50	52	171	156	125
1	87	51	51	50	51	172	157	121
1	89	51	51	50	51	171	156	119
1	89	51	51	50	51	171	157	120
1	91	52	51	50	50	171	159	121
1	91	52	53	50	52	173	161	120
1	92	51	52	50	51	174	163	121
1	93	51	51	50	51	174	153	120
1	94	51	51	50	51	175	153	120
1	95	51	52	50	51	175	162	120
1	96	52	52	49	51	175	159	121
1	96	52	52	50	51	176	153	120
1	97	51	53	50	51	178	153	121
1	97	51	53	50	51	176	153	121
1	99	52	53	51	52	176	156	121

CN	5-12 ENG.2 N.G.B. OIL COOLER INLET DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET DEG.C	5-17 MAIN G.BOX OIL COOLER OUTLET DEG.C
141	51	52	52	98	51	55
142	51	52	52	100	52	54
143	52	53	52	98	52	55
144	51	53	51	100	53	55
145	51	52	52	100	53	57
146	51	52	51	100	53	56
147	51	52	53	101	54	56
148	52	53	53	102	54	57
149	52	53	51	102	56	58
150	51	52	52	101	58	60
151	51	53	53	102	60	60
152	52	53	52	103	60	61
153	53	52	53	103	61	61
154	52	52	52	103	63	62
155	51	53	51	103	64	62
156	51	53	52	103	65	63
157	52	53	53	104	67	63
158	52	53	52	104	68	65
159	52	53	52	104	69	65
160	53	53	53	104	70	66
161	51	53	52	104	71	65
162	52	53	52	104	71	66
163	51	52	52	104	71	67
164	52	52	52	105	72	67
165	52	52	52	104	73	67
166	52	53	52	105	74	67
167	53	53	53	105	75	68
168	52	53	53	106	75	69
169	53	53	53	105	76	69
170	52	52	53	105	77	69
171	52	54	52	106	77	70
172	53	53	52	107	77	70
173	52	53	52	107	77	71
174	52	53	52	107	78	71
175	52	53	53	108	77	71
176	53	53	53	73	63	63
177	52	53	53	74	63	63
178	52	53	53	74	63	63
179	52	53	53	73	63	63
180	52	52	53	73	63	63
181	52	52	53	73	63	62
182	52	53	53	73	63	62
183	52	53	53	73	63	63
184	53	53	53	81	63	63
185	52	53	53	84	63	63
186	52	53	53	86	63	63
187	52	53	54	86	63	63
188	52	52	53	88	62	63
189	52	52	53	88	63	63
190	54	53	53	90	64	63

14	5-15	5-16	5-17	5-18	5-19	5-20	5-21	5-22
.2	ACCESS	MAIN	MAIN	INTER.	TAIL	GEN.	FUEL	ELECT.
IL	GEAR	G.BOX	G.BOX	GEAR	GEAR	MASS	TEMP.	COMPRT
ER	BOX	OIL	OIL	BOX	BOX	TEMP	TO	NO.1
ET	OIL	COOLER	COOLER	OIL	OIL		COMBST	TEMP
IL	TEMP	INLET	OUTLET	TEMP	TEMP		HEATER	
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.F	DEG.F	DEG.F
2	98	51	55	51	52	177	159	121
2	100	52	54	50	52	175	153	120
2	98	52	55	51	53	178	148	121
1	100	53	55	50	53	178	156	121
2	100	53	57	51	53	178	153	121
1	100	53	56	51	54	178	159	121
3	101	54	56	52	54	177	153	121
3	102	54	57	51	54	178	153	122
1	102	56	58	52	56	177	157	121
2	101	58	60	53	57	179	158	123
3	102	60	60	54	58	180	153	122
2	103	60	61	55	59	180	151	122
3	103	61	61	56	59	182	147	122
2	103	63	62	56	60	180	156	122
1	103	64	62	57	60	181	153	121
2	103	65	63	57	60	183	155	123
3	104	67	63	58	61	183	162	123
2	104	68	65	60	62	185	153	123
2	104	69	65	60	62	185	153	123
3	104	70	66	60	63	186	150	123
2	104	71	65	60	63	186	161	123
2	104	71	66	61	64	186	164	124
2	104	71	67	61	64	186	165	124
2	105	72	67	62	64	187	157	124
2	104	73	67	63	65	187	157	123
2	105	74	67	64	66	187	159	125
3	105	75	68	65	65	189	166	125
3	106	75	69	65	66	191	153	125
3	105	76	69	66	67	189	159	125
3	106	77	69	66	67	189	166	124
2	106	77	70	66	68	193	167	124
2	107	77	70	67	68	193	166	125
2	107	77	71	67	67	192	162	124
2	107	78	71	67	67	194	151	125
3	108	77	71	66	67	195	158	124
3	73	63	63	59	60	180	159	124
3	74	63	63	58	60	180	158	123
3	74	63	63	59	60	180	158	123
3	73	63	63	59	60	180	158	124
3	73	63	63	59	60	179	158	123
3	73	63	62	58	60	179	159	124
3	73	63	62	58	59	179	158	123
3	73	63	63	59	60	180	159	123
3	81	63	63	59	60	180	159	123
3	84	63	63	59	60	179	155	123
3	86	63	63	58	59	179	161	122
3	86	63	63	58	60	178	164	124
3	88	62	63	58	59	178	161	123
3	88	63	63	59	60	179	162	123
3	90	64	63	59	60	180	157	123

CN	5-12 ENG.2 N.G.B. OIL COOLER INLET DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET DEG.C	5-17 MAIN G.BOX OIL COOLER OUTLET DEG.C
191	53	54	52	91	68	63
192	53	53	53	91	71	66
193	53	52	53	91	71	66
194	52	53	53	92	71	67
195	53	52	53	93	72	67
196	52	52	53	94	73	67
197	53	53	53	95	73	68
198	53	53	53	95	73	68
199	53	53	53	96	74	69
200	53	53	53	95	75	69
201	52	53	52	96	76	70
202	53	52	53	96	76	69
203	53	52	53	96	77	70
204	52	53	53	97	77	70
205	53	53	53	97	78	70
206	52	53	53	97	78	69
207	52	53	52	96	79	69
208	53	53	53	98	79	70
209	52	54	53	99	80	70
210	52	52	52	98	80	71
211	51	53	53	98	81	70
212	52	53	53	98	82	71
213	53	53	53	98	82	71
214	52	53	53	99	82	71
215	52	53	53	98	83	71
216	52	53	53	98	83	71
217	52	53	53	99	83	71
218	53	53	53	99	84	72
219	52	53	53	100	85	72
220	52	53	53	99	86	72
221	52	53	53	99	86	72
222	53	53	53	99	86	73
223	53	53	53	99	87	73
224	52	53	53	100	87	74
225	52	53	52	100	87	73
226	52	53	53	100	88	74
227	53	52	53	100	87	74
228	52	53	52	100	89	74
229	53	53	54	101	89	74
230	53	52	53	100	89	75
231	52	53	53	100	89	74
232	53	53	53	100	89	75
233	53	53	52	101	90	75
234	53	53	53	101	90	75
235	53	53	53	101	91	75
236	52	53	53	101	91	76
237	53	52	53	101	91	76
238	53	54	53	103	91	76
239	53	53	52	102	91	76
240	53	53	53	102	92	77

S-15 ACCESS GEAR BOX OIL TEMP DEG.C	S-16 MAIN G.BOX OIL COOLER INLET DEG.C	S-17 MAIN G.BOX OIL COOLER OUTLET DEG.C	S-18 INTER. GEAR BOX OIL TEMP DEG.C	S-19 TAIL GEAR BOX OIL TEMP DEG.C	S-20 GEN. MASS TEMP DEG.F	S-21 FUEL TEMP. TO COMBST HEATER DEG.F	S-22 ELECT. COMPRT NO.1 TEMP DEG.F
91	68	63	60	60	179	159	124
91	71	66	60	60	180	161	123
91	71	66	60	60	181	153	125
92	71	67	60	60	180	156	123
93	72	67	60	60	181	161	123
94	73	67	60	60	180	153	124
95	73	68	60	61	181	156	124
95	73	68	60	63	182	153	124
96	74	69	61	63	182	153	125
95	75	69	61	64	182	159	124
96	76	70	62	65	184	156	124
96	76	69	62	65	184	153	125
96	77	70	63	66	184	156	123
97	77	70	63	66	186	159	125
97	78	70	66	66	186	148	124
97	78	69	63	67	186	158	125
96	79	69	64	67	187	158	126
98	79	70	64	68	187	151	125
99	80	70	64	69	186	153	126
98	80	71	66	68	186	153	126
98	81	70	65	69	187	144	125
98	82	71	66	69	188	156	125
98	82	71	66	69	187	153	126
99	82	71	67	71	187	151	126
98	83	71	67	70	187	151	127
98	83	71	67	70	187	141	126
99	83	71	67	71	188	139	125
99	84	72	68	71	186	147	126
100	85	72	68	72	187	137	125
99	86	72	69	71	187	143	126
99	86	72	69	72	187	141	128
99	86	73	69	72	189	142	127
99	87	73	70	73	188	144	129
100	87	74	69	72	187	136	126
100	87	73	70	73	189	142	127
100	88	74	70	73	189	134	129
100	87	74	71	73	189	142	128
100	89	74	71	74	188	145	126
101	89	74	70	74	189	141	127
100	89	75	71	75	189	149	127
100	89	74	71	75	189	143	126
100	89	75	72	76	188	131	127
101	90	75	71	75	189	137	128
101	90	75	72	76	190	133	128
101	91	75	72	76	190	142	129
101	91	76	73	77	189	136	128
101	91	76	73	76	190	136	127
103	91	76	73	76	189	145	129
102	91	76	74	77	190	135	127
102	92	77	74	77	189	145	127

2

CK	5-12 ENG.2 N.G.B. OIL COOLER INLET DEG.C	5-13 ENG.2 OIL COOLER INLET DEG.C	5-14 ENG.2 OIL COOLER OUTLET DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET DEG.C	5-17 MAIN G.BOX OIL COOLER OUTLET DEG.C
241	52	53	53	102	91	77
242	53	53	53	102	91	77
243	53	52	53	102	91	77
244	52	53	53	101	91	78
245	53	53	52	103	91	79
246	52	53	53	104	90	80
247	52	53	52	104	90	79
248	53	53	54	105	89	79
249	52	52	53	105	90	78
250	52	52	53	105	89	79
251	53	53	53	107	89	79
252	53	53	52	108	89	79
253	53	53	53	108	89	81
254	53	53	53	108	89	80
255	52	53	53	108	88	81
256	52	53	53	109	89	81
257	53	53	53	110	87	82
258	52	54	53	111	87	82
259	52	53	54	111	87	82
260	53	53	53	111	87	82
261	52	53	53	112	87	81
262	54	53	53	112	87	82
263	52	53	53	113	86	82
264	53	54	54	115	85	82
265	54	54	54	115	85	81
266	53	53	54	116	84	81
267	53	54	54	116	84	81
268	54	54	54	116	83	81
269	53	54	54	117	83	81
270	53	53	54	117	83	81
271	53	54	55	118	83	81
272	53	54	54	118	82	81
273	53	53	54	119	82	81
274	53	54	54	119	82	81
275	54	54	54	120	82	81
276	53	54	54	121	82	81
277	53	54	54	120	81	81
278	54	54	54	121	81	81
279	53	54	54	121	81	80
280	53	54	54	122	81	79
281	53	54	54	122	80	80
282	54	54	54	123	80	80
283	54	53	54	123	80	79
284	53	54	54	123	80	79
285	54	54	54	124	79	78
286	54	54	55	124	79	79
287	53	54	54	124	79	79
288	54	54	54	125	79	79
289	53	54	55	125	79	79
290	53	53	54	126	79	79

5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET DEG.C	5-17 MAIN G.BOX OIL COOLER OUTLET DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN. MASS TEMP DEG.F	5-21 FUEL TEMP. TO COMBST HEATER DEG.F	5-22 ELECT. COMPRT NO.1 TEMP DEG.F
102	91	77	74	77	191	142	127
102	91	77	75	78	190	141	127
102	91	77	75	78	191	142	127
101	91	78	75	78	190	137	128
103	91	79	76	77	192	137	129
104	90	80	75	77	195	139	127
104	90	79	76	77	195	139	127
105	89	79	76	76	197	139	128
105	90	78	76	76	197	133	128
105	89	79	76	76	198	135	128
107	89	79	76	76	199	133	128
108	89	79	76	76	198	135	127
108	89	81	75	76	199	144	127
108	89	80	76	76	200	137	128
108	88	81	76	76	200	142	128
109	89	81	75	76	202	135	129
110	87	82	75	76	202	147	129
111	87	82	75	75	203	141	128
111	87	82	74	75	203	139	129
111	87	82	74	74	204	151	129
112	87	81	74	75	204	150	129
112	87	82	74	75	207	139	129
113	86	82	74	75	206	138	129
115	85	82	73	75	209	153	130
115	85	81	73	75	208	149	129
116	84	81	72	75	210	149	129
116	84	81	72	74	210	146	129
116	83	81	73	74	210	141	129
117	83	81	71	74	212	150	130
117	83	81	71	74	212	146	129
118	83	81	71	74	213	142	129
118	82	81	71	74	213	139	130
119	82	81	71	73	213	147	130
119	82	81	71	74	216	141	131
120	82	81	71	73	217	148	131
121	82	81	70	73	217	148	130
120	81	81	70	73	215	144	130
121	81	81	70	73	219	146	131
121	81	80	70	73	218	141	130
122	81	79	70	72	219	151	129
122	80	80	69	73	221	146	130
123	80	80	70	72	221	151	130
123	80	79	70	72	222	153	131
123	80	79	69	72	221	147	131
124	79	78	69	72	222	146	131
124	79	79	69	72	223	145	131
124	79	79	69	72	224	143	131
125	79	79	69	72	223	155	130
125	79	79	69	71	223	146	130
126	79	79	69	71	225	151	131

CN	5-12 ENG.2 N.G.B. OIL COOLER INLET DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET DEG.C	5-17 MAIN G.BOX OIL COOLER OUTLET DEG.C
291	54	53	54	126	79	78
292	54	54	54	126	78	78
293	53	54	54	126	79	78
294	*	*	*	*	*	*

5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX OIL COOLER INLET DEG.C	5-17 MAIN G.BOX OIL COOLER OUTLET DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN. MASS TEMP DEG.F	5-21 FUEL TEMP. TO COMBST HEATER DEG.F	5-22 ELECT. COMPRT NO.1 TEMP DEG.F
126	79	78	69	71	225	146	131
126	78	78	69	71	226	148	131
126	79	78	69	71	225	152	130
*	*	*	*	*	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CN	S-23 ELECT. COMPRT NO.2 TEMP DEG.F	S-24 ELECT. COMPRT NO.3 TEMP DEG.F	S-25 ELECT. COMPRT NO.4 TEMP DEG.F	S-26 ELECT. COMPRT NO.5 TEMP DEG.F	S-27 ELECT. COMPRT NO.6 TEMP DEG.F	S-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.F
1	111	112	114	112	114	102
2	111	112	113	112	113	103
3	113	113	114	112	113	103
4	113	112	113	113	114	103
5	113	112	115	113	113	103
6	113	113	114	114	114	104
7	112	112	113	112	113	103
8	113	112	115	113	114	103
9	113	113	114	113	114	103
10	113	113	113	113	113	103
11	112	112	114	113	113	103
12	112	113	113	113	114	104
13	113	113	114	112	114	103
14	113	113	114	113	115	103
15	113	113	115	113	114	103
16	112	111	113	112	115	103
17	113	113	114	111	113	103
18	112	111	113	113	114	103
19	113	111	115	112	113	103
20	113	111	113	113	114	102
21	113	111	113	113	115	103
22	113	111	113	113	115	103
23	113	113	115	114	115	103
24	113	113	113	113	118	103
25	114	112	113	115	117	103
26	113	113	115	113	117	103
27	112	115	114	114	115	103
28	113	113	115	115	116	103
29	113	114	113	115	118	103
30	113	114	115	114	119	103
31	113	113	114	115	117	103
32	115	115	115	116	120	103
33	115	115	116	115	118	104
34	113	117	116	116	121	103
35	114	116	118	116	121	104
36	115	116	116	117	119	103
37	114	117	118	117	121	103
38	115	117	118	118	122	104
39	115	117	119	117	122	103
40	115	117	119	118	122	104

CN	5-23 ELECT. COMPRT NO.2 TEMP DEG.F	5-24 ELECT. COMPRT NO.3 TEMP DEG.F	5-25 ELECT. COMPRT NO.4 TEMP DEG.F	5-26 ELECT. COMPRT NO.5 TEMP DEG.F	5-27 ELECT. COMPRT NO.6 TEMP DEG.F	5-2 L.MA FUE CEL 1/3LV TEM DEG.
41	115	119	121	118	124	104
42	115	119	119	118	122	103
43	116	120	121	118	123	104
44	115	119	120	119	123	104
45	115	120	121	118	125	104
46	116	119	121	121	123	103
47	115	120	121	120	125	103
48	115	120	122	119	124	103
49	115	119	121	119	124	103
50	115	119	121	120	123	102
51	115	119	122	121	126	103
52	114	120	123	120	125	103
53	116	120	122	121	125	102
54	117	122	123	121	126	103
55	116	121	123	121	127	103
56	117	122	123	121	126	103
57	117	122	123	122	126	103
58	117	122	124	123	127	103
59	117	122	124	123	126	103
60	117	122	124	123	125	103
61	117	121	123	122	124	103
62	117	120	124	122	123	103
63	116	121	123	121	123	103
64	116	119	124	121	123	103
65	117	119	125	121	123	103
66	117	121	124	121	123	103
67	117	119	124	122	123	104
68	116	122	125	121	122	104
69	117	119	123	121	124	103
70	117	120	124	124	125	103
71	117	121	124	123	125	103
72	117	121	126	125	123	103
73	117	123	125	124	125	103
74	117	122	125	123	124	103
75	116	122	125	123	123	103
76	117	121	125	122	123	103
77	117	120	125	121	123	103
78	116	120	125	122	123	103
79	117	120	125	121	123	103
80	117	119	125	121	123	103
81	116	119	125	121	123	103
82	116	119	124	121	123	103
83	117	119	125	121	121	103
84	116	119	125	121	121	103
85	115	119	123	120	120	103
86	117	118	125	121	120	103
87	116	119	125	119	119	103
88	116	117	124	121	119	103
89	116	118	125	119	120	103
90	117	118	124	120	120	103

CN	5-23 ELECT. COMPRT NO.2 TEMP DEG.F	5-24 ELECT. COMPRT NO.3 TEMP DEG.F	5-25 ELECT. COMPRT NO.4 TEMP DEG.F	5-26 ELECT. COMPRT NC.5 TEMP DEG.F	5-27 ELECT. COMPRT NO.6 TEMP DEG.F	5-2 L.MAI FUE CEL 1/3LV TEM DEG.
91	116	117	123	120	119	103
92	116	119	124	119	120	103
93	116	117	124	121	120	103
94	116	119	124	120	119	103
95	117	117	124	119	120	103
96	115	117	123	120	121	102
97	115	118	123	119	119	102
98	117	118	124	119	120	103
99	117	118	125	121	121	103
100	117	118	124	121	121	103
101	116	117	123	120	121	103
102	116	118	123	120	121	103
103	117	119	123	119	121	103
104	115	119	123	119	121	103
105	117	118	123	120	120	103
106	117	118	122	122	121	103
107	117	119	122	121	123	103
108	117	119	122	121	121	103
109	117	119	123	120	120	103
110	117	119	123	120	121	103
111	116	118	123	121	121	103
112	117	119	123	121	120	103
113	116	118	123	120	120	103
114	117	118	124	120	121	103
115	117	117	124	119	120	103
116	116	117	123	120	120	102
117	116	117	123	119	120	103
118	117	117	123	119	120	103
119	116	117	124	121	120	103
120	116	117	123	120	121	103
121	117	119	123	119	120	10
122	116	117	123	119	120	10
123	116	118	123	119	120	10
124	116	117	12	119	119	10
125	117	118	123	120	121	10
126	117	121	127	121	122	10
127	117	118	123	121	121	10
128	117	118	123	121	121	10
129	116	118	123	119	121	10
130	117	119	122	120	121	10
131	117	118	124	121	121	10
132	117	119	123	120	121	10
133	116	118	123	119	121	10
134	117	119	122	120	121	10
135	116	119	124	121	121	10
136	117	118	123	121	123	10
137	118	121	125	122	123	10
138	118	120	124	123	126	10
139	118	122	125	122	123	10
140	119	121	124	123	123	10

CN	5-23 ELECT. COMPRT NO.2 TEMP DEG.F	5-24 ELECT. COMPRT NO.3 TEMP DEG.F	5-25 ELECT. COMPRT NO.4 TEMP DEG.F	5-26 ELECT. COMPRT NO.5 TEMP DEG.F	5-27 ELECT. COMPRT NO.6 TEMP DEG.F	5 L.M F C 1/3 T DE
141	119	121	125	122	124	1
142	119	120	124	125	125	1
143	118	121	125	123	126	1
144	119	121	125	124	126	1
145	118	123	126	124	129	1
146	119	122	127	125	127	1
147	119	123	127	124	129	1
148	120	122	127	125	128	1
149	119	122	127	125	128	1
150	120	123	127	125	130	1
151	121	123	127	127	132	1
152	121	123	127	128	128	1
153	120	125	127	128	131	1
154	121	124	128	127	132	1
155	119	125	129	126	130	1
156	120	124	129	129	131	1
157	120	123	127	128	134	1
158	120	125	129	129	133	1
159	120	126	129	128	133	1
160	121	127	129	128	134	1
161	121	127	130	129	133	1
162	121	127	131	129	133	1
163	120	127	131	129	135	1
164	122	127	131	131	135	1
165	121	127	131	131	134	1
166	121	128	131	129	134	1
167	122	128	133	131	135	1
168	123	128	131	132	134	1
169	123	127	132	133	138	1
170	123	127	134	131	135	1
171	123	128	131	129	131	1
172	122	128	130	130	131	1
173	121	128	130	130	133	1
174	123	127	129	129	131	1
175	122	127	131	129	130	1
176	120	121	128	125	124	1
177	120	120	127	123	123	1
178	120	121	127	124	125	1
179	119	121	128	124	124	1
180	121	121	127	123	124	1
181	119	121	127	123	124	1
182	120	121	127	124	123	1
183	121	123	128	125	124	1
184	121	122	128	124	125	1
185	121	120	127	124	124	1
186	121	122	127	124	125	1
187	121	121	126	125	124	1
188	121	121	126	124	125	1
189	121	122	126	125	124	1
190	121	122	126	123	125	1

CN	5-23 ELECT. COMPRT NO.2 TEMP DEG.F	5-24 ELECT. COMPRT NO.3 TEMP DEG.F	5-25 ELECT. COMPRT NO.4 TEMP DEG.F	5-26 ELECT. COMPRT NC.5 TEMP DEG.F	5-27 ELECT. COMPRT NO.6 TEMP DEG.F	5- L.MA FU CE 1/3L TE DEG
191	121	121	126	125	126	10
192	121	122	127	124	123	10
193	121	122	127	124	124	10
194	120	122	126	126	126	10
195	121	122	127	125	125	10
196	121	123	127	125	126	10
197	121	122	126	126	126	10
198	122	122	127	126	126	10
199	121	123	127	125	125	10
200	121	122	128	125	125	10
201	121	123	127	125	126	10
202	122	124	127	124	127	10
203	121	122	128	125	127	10
204	120	124	127	125	125	10
205	121	122	128	126	126	10
206	121	124	127	127	127	10
207	122	124	129	128	128	10
208	122	123	128	127	127	10
209	121	126	128	128	129	10
210	123	125	130	127	131	10
211	123	126	129	128	131	10
212	123	126	131	128	133	10
213	123	126	130	129	131	10
214	123	125	131	131	131	10
215	124	127	130	129	131	10
216	122	125	129	129	131	10
217	123	128	131	131	131	10
218	124	127	131	129	132	10
219	124	129	129	131	132	10
220	124	128	132	131	134	10
221	126	127	132	131	132	10
222	125	129	131	131	132	10
223	124	128	132	131	135	10
224	124	128	132	133	133	10
225	127	130	133	131	134	10
226	124	129	133	131	135	10
227	124	129	133	133	135	10
228	126	131	135	133	134	10
229	126	131	135	134	135	10
230	126	131	135	133	133	10
231	125	131	135	134	135	10
232	126	131	135	135	135	10
233	127	131	135	135	137	10
234	126	132	137	135	133	10
235	126	133	136	135	135	10
236	126	133	136	135	137	10
237	127	133	137	135	135	10
238	127	133	136	135	135	10
239	127	133	137	136	138	10
240	128	133	137	135	139	1

CN	5-23 ELECT. COMPRT NO.2 TEMP DEG.F	5-24 ELECT. COMPRT NO.3 TEMP DEG.F	5-25 ELECT. COMPRT NO.4 TEMP DEG.F	5-26 ELECT. COMPRT NO.5 TEMP DEG.F	5-27 ELECT. COMPRT NO.6 TEMP DEG.F	5-2 L.MAI FUE CEL 1/3LV TEM DEG.
241	125	133	135	136	139	109
242	127	133	134	135	137	108
243	126	133	133	133	134	108
244	126	133	133	133	133	108
245	126	131	133	133	133	109
246	126	131	133	134	133	109
247	126	131	133	133	133	109
248	125	131	133	133	133	109
249	126	131	133	133	133	109
250	126	131	134	133	131	108
251	126	131	134	133	132	109
252	126	131	133	133	133	109
253	126	130	133	133	131	109
254	126	131	133	133	133	109
255	126	131	134	133	131	108
256	125	131	135	133	133	109
257	126	129	133	133	131	109
258	127	131	133	133	131	109
259	126	131	134	132	132	109
260	126	129	134	132	131	109
261	126	129	133	133	130	109
262	126	130	135	132	131	109
263	126	131	133	133	133	109
264	126	131	135	134	132	109
265	126	129	134	134	133	109
266	127	133	136	133	131	110
267	128	132	135	134	133	109
268	128	133	134	133	133	109
269	127	133	134	133	133	109
270	129	135	137	133	133	109
271	128	135	135	133	133	109
272	128	135	135	134	133	109
273	127	135	135	133	132	109
274	129	133	137	132	131	110
275	128	133	135	133	131	109
276	128	131	135	133	131	109
277	127	131	135	133	133	110
278	127	131	135	133	131	109
279	127	131	135	133	133	109
280	127	130	135	133	133	109
281	127	131	135	133	133	109
282	127	130	135	133	131	109
283	127	130	135	133	131	109
284	126	131	135	133	133	109
285	127	131	135	133	131	109
286	127	131	135	133	131	109
287	127	130	136	132	132	109
288	127	130	136	133	131	110
289	127	131	137	133	133	110
290	127	129	135	133	131	109

CN	5-23 ELECT. COMPRT NO.2 TEMP DEG.F	5-24 ELECT. COMPRT NO.3 TEMP DEG.F	5-25 ELECT. COMPRT NO.4 TEMP DEG.F	5-26 ELECT. COMPRT NO.5 TEMP DEG.F	5-27 ELECT. COMPRT NO.6 TEMP DEG.F	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.F
291	127	130	135	134	131	109
292	127	130	137	133	133	109
293	126	130	*	133	133	109
294	*	*	*	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
>125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CN	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F
1	0	13	123	123
2	0	32	123	123
3	0	51	123	123
4	1	9	122	123
5	1	28	123	124
6	1	47	123	123
7	2	11	122	123
8	2	30	123	123
9	2	49	123	123
10	3	7	122	124
11	3	26	123	123
12	3	45	123	124
13	4	4	123	123
14	4	23	123	123
15	4	41	123	123
16	5	0	122	125
17	5	19	122	124
18	5	38	122	123
19	5	57	123	123
20	6	15	122	123
21	6	34	123	123
22	6	53	121	124
23	7	12	123	124
24	7	30	123	122
25	7	49	122	124
26	8	8	121	122
27	8	27	122	123
28	8	45	123	125
29	9	4	123	123
30	9	23	123	123
31	9	42	123	123
32	10	1	123	123
33	10	19	123	123
34	10	38	122	124
35	10	57	123	123
36	11	16	123	124
37	11	34	124	123
38	11	53	124	125
39	12	12	123	123
40	12	31	124	123

6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F	6-07 ENG.1 BOOST PUMP OUTPUT TEMP DEG.F	6-08 ENG.1 BLEED AIR TEMP DEG.F	6-09 ENG.1 LORD ISOL. MOUNT AFT IN DEG.F	6-10 ENG.1 LORD ISOL. MOUNT AFTOUT DEG.F	6-11 ENG.2 LORD ISOL. MOUNT AFT IN DEG.F
123	123	122	127	122	121	122
123	123	122	127	121	123	122
123	123	121	127	122	121	122
122	123	123	127	122	122	123
123	124	123	127	123	123	123
123	123	123	127	122	122	123
122	123	122	127	122	121	121
123	123	123	126	122	121	123
123	123	123	127	122	122	122
122	124	123	127	122	121	123
123	123	122	127	122	122	123
123	124	123	127	123	122	122
123	123	123	127	123	123	123
123	123	123	128	123	123	123
123	123	123	127	122	121	123
122	123	122	127	121	122	123
122	124	123	127	122	121	123
122	123	122	126	121	121	122
123	123	122	127	123	121	122
122	123	122	127	122	121	122
123	123	122	127	121	121	123
121	124	121	126	122	121	123
123	124	123	127	121	122	121
123	122	122	127	121	121	123
122	124	123	129	122	122	123
121	122	123	125	121	122	122
122	123	124	128	122	121	123
123	125	121	127	121	121	123
123	123	121	127	121	121	123
123	123	122	127	122	122	123
123	123	122	128	122	121	121
123	123	123	128	123	121	123
123	123	122	128	122	122	122
122	124	123	127	122	121	123
123	123	123	128	123	122	123
123	124	123	127	122	121	122
124	123	124	127	123	122	123
124	125	124	129	123	122	123
123	123	125	128	123	123	123
124	123	123	128	123	121	123

2

CN	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F
41	12	49	123	124
42	13	8	123	125
43	13	27	123	123
44	13	46	123	124
45	14	4	122	123
46	14	23	121	125
47	14	42	123	124
48	15	1	123	123
49	15	20	123	121
50	15	38	123	123
51	15	57	122	123
52	16	16	123	121
53	16	35	121	125
54	16	53	122	123
55	17	12	122	121
56	17	31	122	123
57	17	50	122	123
58	18	8	122	123
59	18	27	123	123
60	18	46	123	123
61	19	5	123	123
62	19	23	124	123
63	19	42	123	123
64	20	1	123	123
65	20	20	125	123
66	20	38	124	123
67	20	57	126	123
68	21	16	125	124
69	21	35	126	122
70	21	50	124	123
71	22	12	123	123
72	22	31	126	125
73	22	50	124	123
74	23	9	125	123
75	23	27	125	123
76	23	46	125	123
77	24	5	126	123
78	24	24	125	123
79	24	42	126	123
80	25	1	126	124
81	25	20	126	123
82	25	39	125	123
83	25	57	126	123
84	26	9	126	124
85	26	23	128	125
86	26	42	127	124
87	27	1	128	126
88	27	19	128	126
89	27	38	128	125
90	27	57	128	126

6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F	6-07 ENG.1 BOOST PUMP OUTPUT TEMP DEG.F	6-08 ENG.1 BLEED AIR TEMP DEG.F	6-09 ENG.1 LORD ISOL. MOUNT AFT IN DEG.F	6-10 ENG.1 LORD ISOL. MOUNT AFTOUT DEG.F	6-11 ENG.2 LORD ISOL. MOUNT AFT IN DEG.F
123	124	125	128	123	122	123
123	125	124	126	123	122	123
123	123	123	128	122	123	124
123	124	123	127	122	122	123
122	123	123	127	123	121	123
121	125	123	129	123	122	123
123	124	124	127	122	122	123
123	123	123	127	121	121	122
123	121	123	127	121	122	122
123	123	123	127	121	121	122
122	123	123	126	121	122	121
123	121	123	127	121	121	123
121	125	122	127	121	121	122
122	123	123	127	122	121	122
122	121	123	126	121	122	122
122	123	123	127	122	121	122
122	123	123	127	122	121	123
122	123	123	126	122	122	123
123	123	123	127	122	121	122
123	123	123	127	122	121	123
123	123	123	127	122	122	122
124	125	123	129	122	121	123
123	123	123	127	122	121	121
123	123	123	128	122	121	122
123	123	125	126	122	122	122
124	123	124	130	122	122	123
126	123	123	129	123	122	123
125	124	126	126	123	122	123
126	122	124	122	121	122	123
124	123	124	124	121	122	122
123	123	125	123	122	121	122
126	125	124	125	121	122	122
124	125	124	129	122	122	122
125	123	123	127	122	121	122
125	123	124	127	121	121	122
125	123	125	127	121	121	122
126	123	124	127	121	123	122
125	123	124	127	122	122	122
126	123	126	127	121	122	123
126	124	124	127	122	122	122
126	123	125	128	123	123	123
125	123	125	126	122	122	123
126	123	125	128	123	123	123
126	124	125	128	121	123	122
128	125	127	129	124	124	122
127	124	127	131	124	125	123
128	126	127	129	124	123	123
128	126	127	131	123	123	122
128	125	127	126	123	124	123
128	126	127	131	125	124	123

CN	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F
91	28	16	128	125
92	28	35	128	125
93	28	53	128	125
94	29	12	127	125
95	29	31	128	125
96	29	50	127	125
97	30	9	127	125
98	30	27	128	125
99	30	46	129	126
100	31	5	129	126
101	31	24	128	124
102	31	42	128	125
103	32	1	128	124
104	32	20	127	126
105	32	39	129	126
106	32	58	127	126
107	33	16	126	126
108	33	35	127	127
109	33	54	129	125
110	34	13	130	126
111	34	31	129	125
112	34	50	129	125
113	35	9	129	125
114	35	28	129	126
115	35	46	130	125
116	36	5	129	126
117	36	24	130	125
118	36	43	131	125
119	37	2	131	126
120	37	20	131	125
121	37	39	131	126
122	37	58	130	126
123	38	17	131	125
124	38	36	131	126
125	38	54	131	126
126	39	13	131	126
127	39	32	130	127
128	39	51	131	125
129	40	9	131	125
130	40	28	132	128
131	40	47	131	127
132	41	6	135	125
133	41	24	139	126
134	41	43	140	125
135	42	2	141	124
136	42	21	144	126
137	42	40	144	128
138	42	58	147	125
139	43	17	147	127
140	43	36	148	125

6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F	6-07 ENG.1 BOOST PUMP OUTPUT TEMP DEG.F	6-08 ENG.1 BLEED AIR TEMP DEG.F	6-09 ENG.1 LORD ISOL. MOUNT AFT IN DEG.F	6-10 ENG.1 LORD ISOL. MOUNT AFTOUT DEG.F	6-11 ENG.2 LORD ISOL. MOUNT AFT IN DEG.F
128	125	127	127	125	124	123
128	125	127	128	123	124	123
128	125	127	128	124	123	122
127	125	127	131	124	123	123
128	125	127	129	123	124	123
127	125	127	131	124	124	123
127	125	126	128	124	125	122
128	125	127	128	124	124	123
129	126	128	133	124	125	123
129	126	129	121	126	124	123
128	124	127	119	124	124	123
128	125	128	119	124	124	124
128	124	127	119	124	125	125
127	124	127	119	124	124	123
129	126	127	119	125	124	123
127	126	129	126	124	125	123
128	126	128	124	124	124	122
127	127	127	120	124	124	123
129	125	129	118	125	125	123
130	126	129	131	124	125	123
129	125	128	131	124	125	122
129	125	129	131	124	125	123
128	125	128	133	124	124	123
129	126	128	131	125	124	123
130	125	128	133	125	124	123
129	126	128	131	123	125	123
130	125	128	135	126	126	123
131	125	129	133	124	126	123
131	126	129	133	125	124	123
131	125	129	133	124	124	123
131	126	128	135	124	125	123
130	126	128	133	124	125	123
131	125	128	133	125	125	123
131	126	128	135	125	125	123
131	126	130	133	125	125	123
131	126	129	131	125	125	123
130	127	129	131	125	126	124
131	125	129	131	125	125	124
131	125	131	131	125	124	123
132	128	127	131	125	124	123
131	127	129	127	125	125	123
135	125	130	133	125	126	123
139	126	129	131	126	125	123
140	125	127	131	125	125	123
141	124	123	135	125	126	123
144	126	119	133	127	126	123
144	128	118	137	127	127	123
147	125	116	135	127	127	125
147	127	115	139	127	126	123
148	125	113	139	127	127	123

CN	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F
141	43	55	149	126
142	44	13	148	124
143	44	32	149	127
144	44	51	149	125
145	45	10	150	127
146	45	29	150	125
147	45	47	149	127
148	46	6	147	125
149	46	25	146	126
150	46	44	145	126
151	47	2	145	125
152	47	21	144	127
153	47	40	144	129
154	47	59	143	127
155	48	17	143	127
156	48	36	143	128
157	48	55	143	125
158	49	14	144	126
159	49	32	143	127
160	49	51	143	126
161	50	10	143	127
162	50	29	143	128
163	50	48	144	127
164	51	6	144	123
165	51	25	144	124
166	51	44	145	125
167	52	3	146	125
168	52	21	149	127
169	52	40	148	127
170	52	59	147	124
171	53	18	145	12[illegible]
172	53	36	148	12[illegible]
173	53	55	149	12[illegible]
174	54	14	149	12[illegible]
175	54	33	151	12[illegible]
176	54	58	174	12[illegible]
177	55	16	175	12[illegible]
178	55	35	174	12[illegible]
179	55	54	174	12[illegible]
180	56	13	174	12[illegible]
181	56	32	173	12[illegible]
182	56	50	173	12[illegible]
183	57	9	174	12[illegible]
184	57	28	173	12
185	57	47	175	12
186	58	5	175	12
187	58	24	173	12
188	58	43	174	12
189	59	2	173	12
190	59	21	176	12

6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F	6-07 ENG.1 BOOST PUMP OUTPUT TEMP DEG.F	6-08 ENG.1 BLEED AIR TEMP DEG.F	6-09 ENG.1 LORD ISOL. MOUNT AFT IN DEG.F	6-10 ENG.1 LORD ISOL. MOUNT AFTOUT DEG.F	6-11 ENG.2 LORD ISOL. MOUNT AFT IN DEG.F
149	126	114	137	126	127	123
148	124	113	139	127	127	123
149	127	115	137	126	126	123
149	125	115	137	127	127	125
150	127	114	138	127	128	123
150	125	113	137	127	128	123
149	127	113	141	128	127	124
147	125	111	142	129	128	124
146	126	111	141	129	128	124
145	126	113	145	129	129	123
145	125	113	145	130	129	124
144	127	113	144	129	129	125
144	129	111	147	131	130	125
143	127	111	149	129	130	124
143	127	111	148	129	130	123
143	128	111	151	129	130	124
143	125	111	151	131	131	125
144	126	111	151	131	131	124
143	127	111	152	131	131	124
143	126	111	153	131	131	125
143	127	111	155	131	131	123
143	128	111	157	131	131	124
144	127	111	159	133	132	123
144	123	111	157	133	132	124
144	124	110	159	133	133	123
145	125	125	162	133	133	125
146	125	120	165	135	134	125
149	127	115	166	133	133	125
148	127	114	167	135	133	125
147	124	113	168	134	133	124
145	128	111	171	135	135	123
148	126	113	172	135	134	125
149	127	115	174	135	135	124
149	128	117	182	135	135	124
151	127	117	189	136	135	125
174	126	162	236	178	174	126
175	127	162	235	179	174	127
174	127	161	234	178	174	126
174	126	162	234	178	174	126
174	127	163	233	178	174	126
173	126	163	232	178	174	126
173	126	161	232	177	173	126
174	126	163	232	178	174	126
173	127	161	232	178	174	126
175	127	161	231	178	173	126
175	127	160	231	177	174	126
173	125	161	231	176	173	126
174	126	160	231	176	173	126
173	126	163	225	176	173	126
176	126	162	230	176	173	127

CA	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-0 ENG. FUE CONTR OUTPU TEM DEG.
191	59	39	178	128
192	59	58	180	125
193	60	17	180	127
194	60	36	182	126
195	60	54	182	125
196	61	13	179	129
197	61	32	174	127
198	61	51	171	127
199	62	10	167	126
200	62	28	163	127
201	62	47	161	126
202	63	6	159	129
203	63	25	157	129
204	63	43	156	125
205	64	2	155	125
206	64	21	154	126
207	64	40	151	126
208	64	59	149	126
209	65	17	149	127
210	65	36	147	125
211	65	55	146	126
212	66	14	145	127
213	66	32	144	127
214	66	51	141	126
215	67	10	141	127
216	67	29	141	12
217	67	48	139	12
218	68	6	139	12
219	68	25	139	12
220	68	44	138	12
221	69	3	137	12
222	69	21	138	12
223	69	40	138	12
224	69	59	137	12
225	70	18	139	12
226	70	36	139	12
227	70	55	137	12
228	71	14	138	12
229	71	33	138	12
230	71	51	139	12
231	72	10	139	12
232	72	29	137	12
233	72	48	139	12
234	73	7	139	12
235	73	25	139	12
236	73	44	139	12
237	74	3	139	12
238	74	22	139	12
239	74	40	141	12
240	74	59	143	12

6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F	6-07 ENG.1 BOOST PUMP OUTPUT TEMP DEG.F	6-08 ENG.1 BLEED AIR TEMP DEG.F	6-09 ENG.1 LORD ISOL. MOUNT AFT IN DEG.F	6-10 ENG.1 LORD ISOL. MOUNT AFTOUT DEG.F	6-11 ENG.2 LORD ISOL. MOUNT AFT IN DEG.F
178	128	153	226	176	173	127
180	125	145	225	178	173	126
180	127	135	221	176	173	126
182	126	129	223	176	171	126
182	125	125	224	176	173	126
179	129	120	223	177	173	127
174	127	115	222	178	172	127
171	127	115	222	177	171	127
167	126	113	217	177	171	126
163	127	113	219	176	170	126
161	126	114	217	176	170	126
159	129	113	217	175	170	125
157	129	113	210	175	169	126
156	125	112	212	174	168	127
155	125	113	207	174	169	126
154	128	113	210	174	168	126
151	126	115	208	174	167	127
149	126	115	206	173	167	126
149	127	114	207	173	167	127
147	125	113	210	173	166	127
146	128	113	207	173	166	126
145	127	114	207	171	165	126
144	127	113	207	172	165	127
141	128	112	215	171	164	126
141	129	112	210	171	164	126
141	125	113	216	171	164	126
139	126	112	216	170	163	126
139	125	112	212	170	162	126
139	129	113	212	169	162	126
138	128	113	219	169	162	127
137	128	113	219	168	161	126
138	126	113	220	168	161	127
138	127	113	220	167	161	127
137	126	112	217	168	160	126
139	129	113	219	167	160	126
139	127	113	219	166	159	127
137	128	113	223	166	159	127
138	127	115	225	167	159	127
138	127	115	[illegible]	166	159	127
139	127	113	226	167	159	127
139	126	114	227	165	158	127
137	126	113	223	165	158	127
139	126	114	225	164	157	127
139	127	113	229	164	159	127
139	126	113	226	164	158	127
139	127	113	230	163	158	127
139	128	113	232	163	157	127
139	126	114	251	163	157	127
141	127	114	232	163	157	126
143	127	117	233	162	157	128

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CA	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-0 ENG. FUE CONTR OUTPU TEM DEG.
241	75	18	145	129
242	75	37	147	126
243	75	55	147	127
244	76	14	147	128
245	76	33	147	129
246	76	52	150	126
247	77	11	150	126
248	77	29	153	125
249	77	48	153	128
250	78	7	157	127
251	78	26	156	128
252	78	44	157	127
253	79	3	159	126
254	79	22	159	129
255	79	41	161	126
256	79	59	162	129
257	80	18	164	127
258	80	37	164	127
259	80	56	164	128
260	81	14	167	126
261	81	33	168	126
262	81	52	169	127
263	82	11	170	129
264	82	30	173	127
265	82	48	173	126
266	83	7	174	127
267	83	26	176	127
268	83	45	174	129
269	84	3	177	129
270	84	22	176	129
271	84	41	178	13
272	85	0	179	12
273	85	18	179	12
274	85	37	180	12
275	85	56	181	12
276	86	15	182	12
277	86	33	182	12
278	86	52	186	12
279	87	11	183	12
280	87	30	184	13
281	87	48	186	12
282	88	7	186	12
283	88	26	187	12
284	88	45	186	12
285	89	3	187	12
286	89	22	189	12
287	89	41	187	12
288	90	0	189	12
289	90	18	187	13
290	90	37	187	12

6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F	6-07 ENG.1 BOOST PUMP OUTPUT TEMP DEG.F	6-08 ENG.1 BLEED AIR TEMP DEG.F	6-09 ENG.1 LORD ISOL. MOUNT AFT IN DEG.F	6-10 ENG.1 LORD ISOL. MOUNT AFTOUT DEG.F	6-11 ENG.2 LORD ISOL. MOUNT AFT IN DEG.F
145	129	116	233	161	156	127
147	126	116	233	161	157	127
147	127	116	231	160	156	126
147	128	118	231	160	157	126
147	129	119	233	161	156	127
150	126	123	239	161	156	127
150	126	122	246	159	157	127
153	125	123	252	162	158	127
153	128	125	256	165	162	127
157	127	128	262	164	162	126
156	128	130	265	162	161	127
157	127	129	268	163	161	127
159	126	127	273	162	160	127
159	129	129	275	163	161	127
161	126	129	279	163	161	127
162	129	131	282	164	163	127
164	127	132	286	167	164	127
164	127	133	288	167	164	127
164	128	136	286	167	165	127
167	126	136	291	167	165	127
168	126	137	293	169	167	127
169	127	139	293	169	168	128
170	129	142	296	170	169	127
173	127	145	298	171	171	129
173	129	145	298	172	171	127
174	127	146	298	173	171	127
176	127	146	300	174	172	128
174	129	149	298	175	173	127
177	129	149	302	176	174	128
176	129	151	301	176	174	128
178	131	153	304	177	176	128
179	129	153	299	179	177	128
179	129	155	300	179	178	128
180	127	157	300	179	179	128
181	127	156	303	180	179	128
182	127	156	304	181	180	127
182	129	159	304	181	182	128
186	127	159	305	182	181	128
183	129	161	304	183	181	127
184	131	161	304	184	183	128
186	128	161	303	185	184	127
186	127	161	300	186	184	127
187	129	164	299	187	184	127
186	129	164	298	187	186	127
187	128	164	300	187	186	128
189	128	166	299	188	187	127
187	129	167	298	188	187	128
189	128	167	299	189	187	128
187	131	169	297	189	189	127
187	127	166	299	189	188	127

2

CN	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F
291	90	56	187	128
292	91	15	187	129
293	91	33	186	129
294	*	*	*	*

6-05 ENG.1 FUEL CONTRL OUTPUT TEMP DEG.F	6-06 ENG.2 FUEL CONTRL OUTPUT TEMP DEG.F	6-07 ENG.1 BOOST PUMP OUTPUT TEMP DEG.F	6-08 ENG.1 BLEED AIR TEMP DEG.F	6-09 ENG.1 LORD ISOL. MOUNT AFT IN DEG.F	6-10 ENG.1 LORD ISOL. MOUNT AFTOUT DEG.F	6-11 ENG.2 LORD ISOL. MOUNT AFT IN DEG.F
187	128	168	298	191	189	129
187	129	167	298	191	189	127
186	129	167	299	191	189	127
*	*	*	*	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
[illegible] 28 MAY 7[illegible]
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CH	6-12 ENG.2 LORD ISOL. MOUNT AFTOUT DEG.F	6-13 ENG.1 INLET LIP SURF. NO.1 DEG.F	6-14 ENG.1 INLET LIP SURF. NO.2 DEG.F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F
1	122	124	125	125	123	123
2	122	124	124	123	123	123
3	122	125	124	123	124	123
4	122	125	124	124	124	123
5	123	125	125	123	124	123
6	122	124	125	124	124	124
7	122	123	123	122	122	121
8	122	123	123	123	122	123
9	123	124	123	123	123	122
10	123	123	123	123	122	123
11	122	123	123	123	123	122
12	123	125	123	123	123	123
13	122	124	124	123	123	123
14	123	124	124	123	123	123
15	123	124	121	123	123	122
16	122	125	122	122	122	121
17	123	123	123	122	125	123
18	121	123	123	121	122	122
19	122	124	123	123	123	122
20	122	123	123	123	123	123
21	123	124	123	123	123	123
22	122	124	125	123	123	123
23	123	125	123	123	122	122
24	123	125	125	123	123	123
25	122	124	124	123	122	122
26	122	124	123	123	123	122
27	121	123	123	124	124	123
28	121	124	124	123	123	124
29	123	124	123	126	124	125
30	122	124	124	124	125	123
31	122	124	124	124	123	123
32	122	125	125	124	124	124
33	122	125	123	126	126	125
34	122	125	124	126	124	125
35	123	126	123	125	125	125
36	123	125	126	126	125	126
37	125	126	125	126	127	125
38	122	126	125	127	126	126
39	123	127	125	126	126	126
40	123	126	126	126	126	127

6-15 ENG.1 INLET LIP SURF. NO.5 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-18 ENG.1 INLET LIP SURF. NO.6 DEG.F	6-19 ENG.1 INLET LIP SURF. NO.7 DEG.F	6-20 ENG.1 INLET LIP SURF. NO.8 DEG.F	6-21 ENG.1 COMPRT NO.1 TEMP DEG.F	6-22 ENG.1 COMPRT NO.2 TEMP DEG.F
125	123	123	123	122	121	125	120
123	123	123	123	122	121	125	121
123	124	125	122	122	120	124	121
124	124	123	123	123	121	124	121
123	124	123	123	121	121	125	121
124	124	124	123	122	121	124	121
122	122	121	121	122	121	123	121
123	122	123	121	121	121	123	121
123	123	122	121	121	121	124	120
123	122	123	122	122	121	124	120
123	123	122	121	121	122	123	121
123	123	123	122	123	121	123	121
123	123	123	123	122	122	123	121
123	123	123	123	123	121	124	121
123	123	122	123	122	121	123	121
122	122	121	121	119	121	123	120
122	123	123	123	122	121	123	121
121	122	122	122	122	119	123	121
123	123	122	123	122	121	123	121
123	123	123	121	121	121	123	121
123	123	123	122	120	121	123	121
123	123	123	123	123	121	123	121
123	122	122	123	123	121	124	123
123	123	123	121	123	123	124	122
123	122	122	121	121	121	123	122
123	123	122	123	123	122	123	122
124	124	123	121	121	122	124	123
123	123	124	122	123	123	123	121
123	124	125	125	123	123	123	121
124	125	123	125	123	123	125	122
124	123	123	123	123	123	126	122
124	124	124	124	123	124	124	123
125	126	123	124	124	125	124	124
126	124	125	126	125	124	124	122
125	125	125	126	125	124	124	123
126	125	126	124	124	123	124	123
126	127	126	126	126	125	125	123
127	126	126	126	125	126	126	125
126	126	126	127	126	125	126	125
126	126	127	127	127	126	126	125

2

CR	6-12 ENG.2 LORD ISOL. MOUNT AFTOUT DEG.F	6-13 ENG.1 INLET LIP SURF. NO.1 DEG.F	6-14 ENG.1 INLET LIP SURF. NO.2 DEG.F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F
41	123	127	126	127	126	127
42	123	126	126	128	126	126
43	122	126	126	127	126	127
44	123	126	126	127	126	127
45	123	127	126	126	126	126
46	123	126	127	126	126	128
47	123	127	126	126	127	127
48	121	126	126	127	128	129
49	121	126	125	126	127	127
50	122	126	126	127	126	128
51	122	126	125	127	127	128
52	121	127	126	126	127	128
53	121	126	125	126	127	127
54	122	126	126	127	127	127
55	121	127	126	127	128	128
56	122	127	127	127	127	129
57	122	127	126	127	128	128
58	122	127	127	127	129	128
59	122	127	127	128	129	129
60	122	127	126	127	129	129
61	122	127	127	127	130	129
62	121	127	127	129	129	130
63	121	127	126	127	129	129
64	122	127	127	128	129	130
65	122	129	127	129	129	130
66	123	128	127	128	130	130
67	123	129	128	129	130	131
68	123	129	127	127	130	131
69	122	128	127	129	129	130
70	121	129	127	129	131	131
71	121	127	127	127	129	131
72	121	128	127	129	129	131
73	121	129	128	129	129	131
74	121	129	128	129	129	131
75	121	129	127	129	130	132
76	122	129	128	129	129	131
77	122	129	129	130	129	131
78	121	129	128	129	130	131
79	122	129	129	130	130	131
80	121	129	128	129	130	131
81	122	129	128	129	130	132
82	122	129	129	129	130	131
83	121	129	128	130	130	133
84	122	129	126	129	130	131
85	123	129	129	128	130	131
86	122	129	129	129	130	131
87	122	129	128	129	129	131
88	123	129	129	129	129	131
89	123	128	128	129	129	131
90	123	129	129	128	130	130

6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F	6-18 ENG.1 INLET LIP SURF. NO.6 DEG.F	6-19 ENG.1 INLET LIP SURF. NO.7 DEG.F	6-20 ENG.1 INLET LIP SURF. NO.8 DEG.F	6-21 ENG.1 COMPRT NO.1 TEMP DEG.F	6-22 ENG.1 COMPRT NO.2 TEMP DEG.F
127	126	127	129	126	126	127	125
128	126	126	127	126	125	125	125
127	126	127	127	127	126	126	125
127	126	127	129	126	126	126	125
126	126	126	128	127	126	126	125
126	126	128	127	126	127	126	125
126	127	127	129	127	127	126	125
127	128	129	127	127	126	126	124
126	127	127	129	127	127	126	124
127	126	128	129	127	127	126	125
127	127	128	128	127	127	126	125
126	127	128	130	127	127	126	124
126	127	127	127	127	127	127	125
127	127	127	129	127	127	127	125
127	128	128	128	128	127	126	126
127	127	129	129	127	128	127	127
127	128	128	129	128	128	127	126
127	129	128	130	128	127	128	125
128	129	129	129	128	127	127	127
127	129	129	130	129	128	128	126
127	130	129	129	129	129	129	126
129	129	130	129	129	129	129	126
127	129	129	130	129	129	128	127
128	129	130	131	129	129	129	127
129	129	130	131	129	129	129	129
128	130	130	131	131	129	129	129
129	130	131	131	131	130	131	129
127	130	131	133	129	131	130	127
129	129	130	131	129	130	129	128
129	131	131	131	129	129	129	127
127	129	131	129	129	130	129	127
129	129	131	132	129	130	129	127
129	129	131	132	131	129	129	128
129	129	131	131	131	130	130	127
129	130	132	132	131	131	130	127
129	129	131	132	131	130	130	127
130	129	131	132	131	131	129	129
129	130	131	133	132	131	130	128
130	130	131	133	132	131	130	129
129	130	131	132	131	131	130	128
129	130	132	133	131	131	130	128
129	130	131	133	131	131	131	129
130	130	133	132	131	131	131	128
129	130	131	133	131	131	131	128
128	130	131	131	131	131	129	128
129	130	131	131	131	131	129	128
129	129	131	131	131	131	129	129
129	129	131	131	131	130	129	128
129	129	131	131	131	131	129	127
128	130	130	131	131	131	129	128

CN	6-12 ENG.2 LORD ISOL. MOUNT AFTOUT DEG.F	6-13 ENG.1 INLET LIP SURF. NO.1 DEG.F	6-14 ENG.1 INLET LIP SURF. NO.2 DEG.F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F
91	122	129	128	129	131	131
92	123	129	129	129	129	131
93	123	129	129	129	130	131
94	123	129	129	129	130	131
95	122	129	129	129	129	131
96	122	128	128	129	129	131
97	123	128	128	128	130	131
98	123	128	130	129	129	131
99	123	129	130	129	129	131
100	123	129	129	129	130	130
101	123	128	129	129	130	130
102	123	128	129	129	131	131
103	123	129	129	129	129	131
104	123	129	129	129	130	131
105	123	128	129	130	131	131
106	123	129	129	130	130	131
107	123	130	129	129	131	131
108	123	129	129	131	13[illegible]	131
109	123	129	129	131	129	131
110	122	129	129	129	130	131
111	122	129	129	129	130	130
112	123	129	129	129	130	130
113	123	130	129	129	130	130
114	123	131	129	131	130	131
115	123	131	130	131	130	131
116	122	131	131	130	130	131
117	124	133	131	133	132	133
118	123	131	129	131	130	131
119	123	131	131	131	130	131
120	123	133	131	130	131	131
121	123	132	131	130	131	132
122	124	133	131	130	131	131
123	123	133	130	133	131	131
124	123	133	131	131	132	131
125	123	133	131	131	131	131
126	123	133	131	131	131	133
127	123	133	131	130	131	133
128	123	133	131	130	131	131
129	122	133	131	131	131	131
130	123	133	133	133	131	132
131	123	133	131	132	130	132
132	123	133	131	131	131	133
133	123	132	133	131	131	131
134	123	131	130	131	131	131
135	121	131	131	130	131	129
136	122	130	132	130	130	131
137	129	130	133	131	132	131
138	123	131	133	131	131	131
139	123	132	133	131	132	133
140	123	133	133	132	133	132

6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F	6-18 ENG.1 INLET LIP SURF. NO.6 DEG.F	6-19 ENG.1 INLET LIP SURF. NO.7 DEG.F	6-20 ENG.1 INLET LIP SURF. NO.8 DEG.F	6-21 ENG.1 COMPRT NO.1 TEMP DEG.F	6-22 ENG.1 COMPRT NO.2 TEMP DEG.F
129	131	131	131	131	131	128	128
129	129	131	131	131	130	128	126
129	130	131	131	132	130	127	125
129	130	131	131	131	130	128	126
129	129	131	131	131	130	129	127
129	129	131	131	131	130	129	127
128	130	131	131	131	130	129	127
129	129	131	131	131	129	128	129
129	129	131	131	131	131	129	128
129	130	130	132	131	130	129	129
129	130	130	131	132	131	129	127
129	131	131	131	131	130	128	126
129	129	131	131	130	131	127	126
129	130	131	132	130	131	126	126
130	131	131	131	132	129	128	126
130	130	131	132	131	131	128	127
129	131	131	133	133	130	127	126
131	130	131	132	131	130	127	127
131	129	131	133	131	131	128	127
129	130	131	130	131	129	128	127
129	130	130	130	131	131	128	128
129	130	130	131	131	130	141	127
129	130	130	131	131	130	156	128
131	130	131	131	131	131	153	129
131	130	131	131	131	130	143	129
130	130	131	131	131	131	143	129
133	132	133	130	133	132	140	130
131	130	131	131	131	131	145	128
131	130	131	131	131	131	148	129
130	131	131	131	133	131	147	129
130	131	132	133	131	131	146	129
130	131	131	132	131	131	144	129
133	131	131	131	132	131	142	130
131	132	131	131	133	131	137	129
131	131	131	133	133	131	135	129
131	131	133	132	131	131	134	129
130	131	133	133	131	131	137	129
130	131	131	131	131	131	14	129
131	131	131	131	131	132	143	131
133	131	132	132	131	132	146	131
132	130	132	132	131	131	146	131
131	131	133	131	131	130	145	130
131	131	131	131	131	129	137	127
131	131	131	130	129	128	133	127
130	131	129	130	131	128	133	127
130	130	131	129	128	128	133	127
131	132	131	130	130	129	132	129
131	131	131	132	131	130	133	131
131	132	133	133	133	131	133	133
132	133	132	133	133	131	135	135

2

CN	6-12 ENG.2 LORD ISOL. MOUNT AFTOUT DEG.F	6-13 ENG.1 INLET LIP SURF. NO.1 DEG.F	6-14 ENG 1 INLET LIP SURF. NO.2 DEG.F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F
141	123	133	131	131	131	131
142	123	133	133	133	133	133
143	123	133	134	133	133	133
144	123	133	133	133	133	133
145	123	133	133	133	133	132
146	123	134	133	131	131	132
147	124	132	133	131	131	132
148	123	133	133	132	131	131
149	123	131	132	130	129	129
150	124	131	134	131	131	131
151	124	130	132	129	129	130
152	124	131	133	130	130	129
153	123	132	133	129	131	130
154	124	132	133	131	131	130
155	123	131	133	130	131	130
156	124	133	135	132	131	131
157	123	131	131	130	129	130
158	123	131	131	130	130	130
159	125	133	132	133	131	131
160	124	133	133	131	131	130
161	123	132	132	132	131	130
162	124	133	133	131	131	131
163	124	133	133	131	131	129
164	124	133	135	131	131	130
165	125	133	135	132	131	131
166	124	133	133	131	131	131
167	125	134	134	131	131	130
168	125	133	133	131	133	132
169	124	134	134	131	133	131
170	126	134	133	131	132	131
171	124	133	133	131	131	131
172	124	136	137	133	133	131
173	125	139	141	138	136	132
174	125	143	141	144	139	135
175	125	149	144	147	141	139
176	126	177	169	159	154	153
177	125	176	168	159	154	152
178	125	176	168	159	155	153
179	125	176	168	158	153	151
180	125	176	169	157	153	151
181	125	174	167	157	153	151
182	126	174	167	157	154	151
183	127	176	168	157	153	151
184	126	174	167	157	152	150
185	126	173	167	155	151	150
186	126	173	166	156	151	149
187	126	173	167	155	150	149
188	126	173	166	155	149	147
189	125	171	165	154	149	147
190	125	161	163	152	147	144

6-14	6-15	6-16	6-17	6-18	6-19	6-20	6-21	6-22
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
ET	INLET	INLET	INLET	INLET	INLET	INLET	COMPRT	COMPRT
IP	LIP	LIP	LIP	LIP	LIP	LIP	NO.1	NO.2
F.	SURF.	SURF.	SURF.	SURF.	SURF.	SURF.	TEMP	TEMP
.2	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8		
.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F
1	131	131	131	132	132	131	134	134
3	133	133	133	133	133	131	135	134
4	133	133	133	133	133	132	136	135
3	133	133	133	133	133	132	137	135
3	133	133	132	133	133	133	137	135
3	131	131	132	133	131	131	138	134
3	131	131	132	131	133	131	137	134
3	132	131	131	132	131	130	138	133
2	130	129	129	130	129	131	137	133
4	131	131	131	130	130	131	138	133
2	129	129	130	131	131	130	137	134
3	130	130	129	131	129	131	139	135
3	129	131	130	130	129	131	199	135
3	131	131	130	131	131	131	140	135
3	130	131	130	129	130	130	141	134
5	132	131	131	132	131	132	142	135
1	130	129	130	131	131	131	143	134
1	130	130	130	131	131	131	143	135
2	133	131	131	133	129	131	142	136
3	131	131	130	131	131	132	143	136
2	132	131	130	131	130	129	143	135
3	131	131	131	129	130	130	144	135
3	131	131	129	131	130	129	145	135
3	131	131	130	131	131	131	145	136
5	132	131	131	131	131	132	146	138
3	131	131	131	131	132	131	145	137
4	131	131	130	133	131	132	146	136
3	131	133	132	133	131	131	146	137
3	131	133	131	133	131	131	146	137
3	131	132	131	131	131	130	146	138
4	131	131	131	133	131	131	147	135
5	133	133	131	133	132	134	159	138
7	138	136	132	134	134	133	244	143
9	144	139	135	135	134	137	287	144
1	147	141	139	137	134	136	307	146
3	159	154	153	149	148	148	189	149
3	159	154	152	150	148	148	189	149
3	159	155	153	149	148	149	189	149
2	158	153	151	149	147	147	191	147
2	157	153	151	150	147	147	191	149
2	157	153	151	149	149	148	189	149
2	157	154	151	149	148	147	189	149
1	157	153	151	149	147	148	192	146
1	157	152	150	148	147	148	191	147
1	155	151	150	147	145	147	190	142
1	156	151	149	145	144	147	190	140
1	155	150	149	147	146	146	195	145
1	155	149	147	146	145	147	192	143
1	154	149	147	144	143	144	192	141
1	152	147	144	142	143	139	195	138

CN	6-12 ENG.2 LORD ISOL. MOUNT AFTOUT DEG.F	6-13 ENG.1 INLET LIP SURF. NO.1 DEG.F	6-14 ENG.1 INLET LIP SURF. NO.2 DEG.F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F
191	126	154	161	148	143	142
192	125	149	159	148	143	139
193	126	147	160	147	141	139
194	126	145	162	146	139	138
195	125	143	160	141	137	135
196	127	142	159	139	137	135
197	126	139	153	136	134	133
198	127	139	152	135	135	133
199	127	138	150	133	133	133
200	126	137	146	133	133	132
201	126	137	147	134	133	131
202	126	137	145	134	134	131
203	126	137	144	133	132	133
204	126	137	143	133	131	131
205	126	134	141	131	131	130
206	126	134	141	131	130	130
207	126	133	135	129	128	129
208	127	131	134	127	128	127
209	126	129	133	127	127	127
210	126	128	134	128	127	127
211	125	127	131	126	127	126
212	126	128	130	126	127	126
213	127	128	131	127	128	127
214	126	126	129	125	128	126
215	127	127	129	125	126	127
216	126	128	129	126	125	127
217	126	127	127	126	127	126
218	125	127	128	127	127	126
219	126	127	128	126	127	126
220	126	127	129	126	127	126
221	126	127	127	126	127	125
222	126	127	126	126	127	126
223	126	127	127	126	126	126
224	127	127	127	126	127	126
225	126	127	127	127	126	126
226	127	127	126	125	127	126
227	126	127	127	127	126	126
228	126	129	127	126	127	126
229	126	128	127	126	127	126
230	126	128	127	126	128	127
231	126	128	127	127	128	126
232	127	127	126	126	126	126
233	127	128	127	127	128	126
234	127	128	129	127	128	127
235	126	128	127	126	126	127
236	126	129	127	127	128	127
237	127	129	127	127	127	127
238	127	129	127	127	127	127
239	126	128	130	127	127	127
240	127	133	135	130	130	128

6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F	6-18 ENG.1 INLET LIP SURF. NO.6 DEG.F	6-19 ENG.1 INLET LIP SURF. NO.7 DEG.F	6-20 ENG.1 INLET LIP SURF. NO.8 DEG.F	6-21 ENG.1 COMPRT NO.1 TEMP DEG.F	6-22 ENG.1 COMPRT NO.2 TEMP DEG.F
148	143	142	141	143	139	184	140
148	143	139	138	142	137	176	142
147	141	139	139	143	138	173	144
146	139	138	137	146	137	170	146
141	137	135	135	143	136	169	146
139	137	135	135	142	135	164	143
136	134	133	135	140	134	157	141
135	135	133	134	138	134	155	141
133	133	133	134	137	133	153	141
133	133	132	135	133	133	153	137
134	133	131	133	134	133	155	140
134	134	131	130	133	133	155	140
133	132	133	132	133	131	153	139
133	131	131	131	131	131	153	139
131	131	130	129	131	130	151	136
131	130	130	130	130	131	151	137
129	128	129	129	130	130	145	139
127	128	127	127	130	129	140	138
127	127	127	127	128	129	138	137
128	127	127	127	130	128	136	137
126	127	126	131	129	128	137	137
126	127	126	127	129	129	137	135
127	128	127	127	129	129	136	137
125	128	126	127	129	127	134	137
125	126	127	127	128	129	133	137
126	125	127	126	129	128	134	137
126	127	126	126	129	128	134	136
127	127	126	126	129	127	135	137
126	127	126	126	127	128	136	135
126	127	126	126	129	127	136	137
126	127	125	127	129	128	137	135
126	127	126	127	129	127	137	136
126	126	126	127	129	127	136	136
126	127	126	127	127	129	136	137
127	126	126	127	127	129	137	137
125	127	126	128	127	129	137	137
127	126	126	127	128	129	139	136
126	127	126	128	129	128	137	136
126	127	126	127	128	129	137	137
126	128	127	127	129	128	135	139
127	128	126	128	129	129	136	137
126	126	126	127	128	129	137	137
127	128	126	127	129	129	137	138
127	126	127	128	129	129	136	138
126	126	127	127	129	130	137	138
127	128	127	128	129	129	137	137
127	127	127	129	129	129	139	137
127	127	127	128	130	129	138	138
127	127	127	129	129	130	141	138
130	130	128	128	131	131	145	139

CN	6-12 ENG.2 LORD ISOL. MOUNT AFTOUT DEG.F	6-13 ENG.1 INLET LIP SURF. NO.1 DEG.F	6-14 ENG.1 INLET LIP SURF. NO.2 DEG.F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F
241	127	135	133	130	131	129
242	127	135	135	131	131	129
243	127	136	135	133	132	130
244	127	139	138	133	132	131
245	127	140	140	136	133	131
246	127	146	145	141	137	133
247	127	151	147	147	140	135
248	126	157	149	153	143	141
249	127	163	154	162	152	148
250	126	166	152	163	151	147
251	126	167	153	166	153	149
252	126	171	155	166	155	150
253	127	173	157	169	157	153
254	127	178	160	171	158	153
255	127	180	163	173	159	155
256	127	184	165	176	161	156
257	127	186	167	180	163	159
258	127	188	169	182	165	160
259	127	191	170	184	168	162
260	127	193	173	185	168	165
261	127	197	174	187	172	169
262	127	199	176	189	174	171
263	127	201	178	189	176	174
264	127	204	181	191	180	179
265	128	204	183	193	180	181
266	127	205	184	194	183	182
267	127	206	184	194	182	184
268	127	207	186	195	184	184
269	128	209	186	195	185	186
270	127	209	189	197	186	186
271	127	210	189	197	186	187
272	128	210	189	197	187	188
273	128	211	191	198	187	189
274	127	212	193	199	189	191
275	127	212	193	199	189	191
276	127	212	194	200	189	191
277	127	213	195	200	189	192
278	127	212	195	200	190	191
279	128	212	196	199	189	190
280	127	213	197	199	191	191
281	127	212	197	200	190	191
282	127	213	197	199	190	190
283	128	213	197	199	191	190
284	128	212	197	199	189	190
285	127	212	197	197	189	189
286	127	212	199	197	191	189
287	128	212	199	199	191	190
288	127	213	200	199	192	191
289	127	212	198	197	190	189
290	128	210	199	195	188	188

6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F	6-18 ENG.1 INLET LIP SURF. NO.6 DEG.F	6-19 ENG.1 INLET LIP SURF. NO.7 DEG.F	6-20 ENG.1 INLET LIP SURF. NO.8 DEG.F	6-21 ENG.1 COMPRT NO.1 TEMP DEG.F	6-22 ENG.1 COMPRT NO.2 TEMP DEG.F
130	131	129	131	131	131	148	141
131	131	129	131	130	132	148	140
133	132	130	131	129	131	149	141
133	132	131	131	131	133	151	141
136	133	131	133	133	135	224	146
141	137	133	133	133	135	278	148
147	140	135	135	134	137	302	149
153	143	141	138	136	139	332	161
162	152	148	141	141	143	325	168
163	151	147	141	140	143	323	167
166	153	149	142	140	143	316	153
166	155	150	144	141	143	323	153
169	157	153	145	141	144	318	152
171	158	153	146	141	144	318	153
173	159	155	146	141	144	318	153
176	161	156	150	145	146	322	166
180	163	159	149	143	147	319	168
182	165	160	153	144	147	318	171
184	168	162	153	146	149	316	171
185	168	165	155	147	149	315	176
187	172	169	157	150	153	306	180
189	174	171	161	153	155	300	187
189	176	174	164	155	157	296	188
191	180	179	167	159	160	299	182
193	180	181	169	161	162	293	186
194	183	182	172	162	165	293	183
194	182	184	173	163	165	294	180
195	184	184	174	165	167	294	187
195	185	186	174	166	167	290	187
197	186	186	177	167	169	287	186
197	186	187	177	167	169	285	184
197	187	188	177	169	170	286	186
198	187	189	178	171	171	281	184
199	189	191	179	173	172	281	184
199	189	191	180	174	176	281	184
200	189	191	179	172	175	278	184
200	189	192					
200	190	191	180	175	178	274	192
199	189	190	181	174	176	271	191
199	191	191	183	174	177	270	189
200	190	191	182	176	178	270	187
199	190	190	181	175	177	271	186
199	191	190	182	176	178	269	188
199	189	190	181	176	175	267	186
197	189	189	180	174	176	270	186
197	191	189	183	178	178	264	192
199	191	190	183	180	179	261	197
199	192	191	183	179	179	255	195
197	190	189	182	176	177	254	172
195	188	188	180	176	174	254	161

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CN	6-12 ENG.2 LORD ISOL. MOUNT AFTOUT DEG.F	6-13 ENG.1 INLET LIP SURF. NO.1 DEG.F	6-14 ENG.1 INLET LIP SURF. NO.2 DEG.F	6-15 ENG.1 INLET LIP SURF. NO.3 DEG.F	6-16 ENG.1 INLET LIP SURF. NO.4 DEG.F	6-17 ENG.1 INLET LIP SURF. NO.5 DEG.F
291	128	211	198	195	188	187
292	127	209	197	194	187	185
293	127	209	197	192	185	184
294	*	*	*	*	*	*

-14	6-15	6-16	6-17	6-18	6-19	6-20	6-21	6-22
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
ET	INLET	INLET	INLET	INLET	INLET	INLET	COMPRT	COMPRT
IP	LIP	LIP	LIP	LIP	LIP	LIP	NO.1	NO.2
F.	SURF.	SURF.	SURF.	SURF.	SURF.	SURF.	TEMP	TEMP
.2	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8		
.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F
8	195	188	187	179	174	175	255	157
7	194	187	185	178	173	174	256	155
7	192	185	184	176	172	173	255	153
*	*	*	*	*	*	*	*	*

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HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CN	6-23 ENG.1 COMPRT NO.3 TEMP DEG.F	6-24 ENG.1 COMPRT NO.4 TEMP DEG.F	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.F	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.F	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.F	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.F
1	124	122	122	122	122	122
2	124	121	122	123	123	123
3	124	121	122	122	123	123
4	124	122	123	123	123	123
5	124	121	122	123	123	123
6	125	121	123	123	123	124
7	123	121	123	123	122	122
8	123	121	122	123	123	123
9	124	121	123	123	122	123
10	124	122	123	123	123	123
11	123	121	123	122	123	123
12	124	122	123	123	123	123
13	124	122	123	123	123	123
14	124	122	123	123	123	124
15	123	123	123	123	123	123
16	123	122	123	121	123	123
17	123	122	121	123	124	123
18	123	121	122	122	122	122
19	123	121	121	122	123	123
20	123	121	121	122	122	122
21	123	121	123	122	122	123
22	122	121	121	123	123	123
23	124	121	122	123	123	123
24	123	121	123	121	122	123
25	124	121	123	122	122	123
26	123	123	121	122	124	123
27	123	121	123	121	123	122
28	123	121	123	123	124	122
29	123	121	122	123	122	123
30	123	123	122	123	124	123
31	124	122	123	122	121	125
32	123	122	123	123	123	124
33	124	122	122	122	123	123
34	124	122	123	122	123	123
35	125	123	122	124	122	123
36	125	122	122	123	123	123
37	124	123	123	124	124	124
38	125	123	123	123	125	123
39	124	123	123	123	124	124
40	125	123	123	122	124	125

CY	6-23 ENG.1 COMPRT NO.3 TEMP DEG.F	6-24 ENG.1 COMPRT NO.4 TEMP DEG.F	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.F	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.F	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.F	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.F
41	126	124	123	123	124	124
42	125	123	122	123	124	122
43	125	123	123	124	122	124
44	124	123	122	125	123	123
45	125	123	125	123	124	124
46	125	123	122	123	123	123
47	125	123	121	123	124	123
48	125	123	123	123	123	123
49	123	122	122	121	121	123
50	124	122	121	122	122	122
51	124	123	123	123	123	122
52	125	123	122	122	123	123
53	124	123	121	123	123	122
54	125	124	123	122	122	123
55	126	125	123	121	122	123
56	127	125	123	123	121	122
57	128	124	121	124	123	122
58	127	125	130	127	123	123
59	127	124	159	124	122	122
60	127	125	163	124	122	123
61	128	126	165	127	123	122
62	128	126	165	126	122	122
63	128	126	164	127	122	123
64	129	126	164	129	123	123
65	129	126	163	129	123	123
66	129	126	164	129	123	123
67	129	127	163	130	123	123
68	129	126	164	130	123	123
69	129	126	162	130	123	126
70	129	126	162	130	122	[illegible]
71	129	127	161	131	123	121
72	129	127	161	129	125	123
73	128	127	159	131	146	123
74	128	127	159	130	153	123
75	128	127	159	131	155	123
76	129	127	159	131	155	125
77	130	127	159	131	155	125
78	129	127	158	131	155	126
79	130	127	157	131	155	126
80	129	127	157	131	156	126
81	129	127	157	132	154	127
82	129	127	157	133	153	126
83	130	127	155	131	153	127
84	129	127	156	133	153	127
85	128	127	143	131	141	129
86	129	126	143	131	142	129
87	128	127	143	131	141	128
88	129	126	143	131	141	128
89	129	127	141	131	141	130
90	129	127	141	132	140	129

CN	6-23 ENG.1 COMPRT NO.3 TEMP DEG.F	6-24 ENG.1 COMPRT NO.4 TEMP DEG.F	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.F	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.F	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.F	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.F
91	127	126	141	131	141	129
92	126	123	141	132	140	129
93	126	120	141	131	139	129
94	127	123	141	131	139	129
95	127	125	141	131	140	129
96	128	126	141	131	139	129
97	128	126	141	132	139	129
98	127	127	141	131	139	129
99	127	126	141	131	140	129
100	129	126	139	132	139	129
101	127	124	141	131	141	129
102	124	122	142	131	139	129
103	124	120	139	131	140	130
104	125	121	140	131	139	129
105	126	121	139	131	139	129
106	126	121	140	132	137	129
107	126	122	140	133	138	130
108	125	121	139	131	139	129
109	125	123	142	133	137	129
110	127	126	163	131	137	129
111	129	127	170	132	137	129
112	151	128	171	133	137	129
113	173	130	172	134	137	128
114	171	133	173	135	137	129
115	155	131	171	135	137	129
116	158	131	171	135	137	129
117	166	135	173	138	139	130
118	161	133	171	136	137	128
119	162	133	170	137	135	129
120	162	133	169	137	137	129
121	160	133	169	137	136	129
122	161	133	169	137	136	129
123	154	132	168	137	136	128
124	143	131	167	138	135	128
125	139	130	168	138	135	128
126	137	131	167	138	135	129
127	145	131	167	141	135	129
128	149	131	167	138	135	129
129	153	134	167	139	135	129
130	155	136	166	139	135	129
131	156	135	167	139	138	128
132	157	133	185	137	135	127
133	141	133	189	138	135	128
134	137	133	188	139	136	128
135	136	133	189	143	134	129
136	137	134	189	144	135	129
137	137	136	188	147	135	128
138	141	139	186	151	135	129
139	141	139	187	153	135	127
140	142	140	187	155	135	127

CN	6-23 ENG.1 COMPRT NO.3 TEMP DEG.F	6-24 ENG.1 COMPRT NO.4 TEMP DEG.F	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.F	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.F	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.F	6- ENG ACCE G.B (F F TE DEG
141	143	141	184	157	134	12
142	143	142	186	159	134	13
143	143	141	183	162	133	12
144	144	143	183	167	135	12
145	144	143	184	166	134	12
146	145	142	182	167	135	12
147	145	140	182	171	133	12
148	145	141	180	173	134	12
149	146	140	179	174	135	12
150	147	141	180	174	134	13
151	147	141	178	176	135	12
152	148	141	179	176	133	12
153	147	141	176	179	133	12
154	149	142	178	180	133	12
155	149	142	175	180	133	12
156	150	143	175	181	134	12
157	151	143	175	186	133	12
158	150	143	174	186	133	12
159	151	143	176	186	133	12
160	151	143	175	188	133	12
161	151	142	174	188	133	12
162	151	143	173	189	131	12
163	151	142	174	190	133	12
164	153	143	173	191	133	12
165	153	143	173	193	132	1
166	153	144	173	193	133	1
167	154	143	173	194	134	1
168	153	143	173	195	131	1
169	154	144	173	195	131	1
170	153	143	173	195	132	1
171	155	143	171	194	132	1
172	200	147	172	199	133	1
173	298	160	174	199	133	1
174	340	171	174	199	133	1
175	358	180	174	197	133	1
176	191	150	176	174	127	1
177	197	149	176	174	127	1
178	201	149	176	174	127	1
179	204	151	176	174	127	1
180	189	151	176	174	127	1
181	197	151	176	174	127	1
182	199	151	176	174	127	1
183	203	153	176	175	128	1
184	204	155	176	174	127	1
185	204	153	176	174	127	1
186	204	151	175	174	127	1
187	205	158	176	173	127	1
188	203	156	176	174	127	1
189	204	154	176	173	129	1
190	217	153	188	175	127	1

CN	6-23 ENG.1 COMPRT NO.3 TEMP DEG.F	6-24 ENG.1 COMPRT NO.4 TEMP DEG.F	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.F	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.F	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.F	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.F
191	200	153	193	179	127	127
192	187	153	195	182	127	127
193	177	155	193	188	129	126
194	174	155	193	192	127	127
195	170	156	193	196	129	126
196	170	153	192	200	128	127
197	167	149	191	201	126	127
198	166	149	189	205	129	129
199	163	149	189	205	129	128
200	165	146	187	205	128	127
201	165	147	187	205	128	128
202	163	147	187	206	129	127
203	163	146	187	206	127	128
204	162	146	188	206	127	128
205	161	145	186	204	129	126
206	159	145	186	205	127	127
207	153	145	184	204	128	127
208	151	145	186	203	128	126
209	150	145	184	204	127	127
210	149	145	184	202	127	127
211	151	146	184	202	127	127
212	150	145	183	200	127	127
213	149	146	182	201	127	127
214	147	144	182	201	127	127
215	149	146	183	200	126	127
216	149	146	182	202	126	127
217	149	146	182	202	127	126
218	151	146	180	202	127	127
219	152	146	181	204	127	127
220	151	145	179	205	127	126
221	151	146	180	204	127	127
222	151	146	180	205	127	127
223	151	148	178	206	127	127
224	151	146	179	205	126	127
225	153	146	179	206	127	126
226	153	145	180	206	127	126
227	153	146	179	207	126	127
228	153	146	178	206	126	127
229	152	147	178	208	127	126
230	151	147	179	208	127	126
231	153	146	178	209	127	127
232	153	146	178	210	127	127
233	151	147	178	208	127	127
234	153	147	178	210	129	126
235	153	147	176	209	126	127
236	154	147	177	210	127	126
237	153	147	176	210	127	127
238	153	146	176	210	127	127
239	155	147	177	211	126	127
240	159	147	177	212	127	126

CK	6-23 ENG.1 COMPRT NO.3 TEMP DEG.F	6-24 ENG.1 COMPRT NO.4 TEMP DEG.F	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.F	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.F	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.F	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.F
241	159	147	178	212	126	127
242	158	147	178	211	127	128
243	159	146	178	212	128	128
244	180	150	178	214	128	127
245	276	160	180	213	128	127
246	334	179	181	213	127	127
247	357	184	182	212	128	126
248	367	252	182	212	128	127
249	361	267	184	213	127	126
250	356	264	186	212	127	127
251	356	230	186	210	127	127
252	362	220	187	208	126	127
253	365	213	187	208	127	127
254	359	210	187	209	127	127
255	355	225	188	206	127	127
256	353	262	187	206	129	126
257	350	260	189	206	127	128
258	341	267	190	206	127	127
259	337	265	189	206	128	126
260	332	273	190	206	127	127
261	321	273	192	206	127	127
262	313	271	192	206	127	127
263	307	269	193	207	129	127
264	310	267	195	206	129	130
265	304	268	195	206	128	129
266	306	264	193	206	131	129
267	309	262	194	206	128	129
268	308	267	196	206	130	129
269	297	260	197	206	128	129
270	296	258	195	204	129	127
271	299	254	195	205	129	128
272	296	258	195	205	129	127
273	292	253	195	204	130	128
274	293	254	197	203	129	129
275	292	252	197	204	129	128
276	294	249	197	203	129	128
278	282	247	199	202	129	129
279	277	241	197	202	129	127
280	278	239	197	202	129	129
281	281	241	199	201	129	129
282	284	241	199	200	129	130
283	278	241	199	201	129	127
284	284	236	199	201	129	129
285	281	239	199	200	128	128
286	271	236	199	200	129	128
287	262	231	199	202	129	129
288	262	226	199	200	130	130
289	271	214	199	200	129	128
290	279	204	199	199	128	128

CN	6-23 ENG.1 COMPRT NO.3 TEMP DEG.F	6-24 ENG.1 COMPRT NO.4 TEMP DEG.F	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.F	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.F	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.F	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.F
291	284	199	197	197	129	127
292	284	193	198	197	129	129
293	284	189	197	197	129	129
294	*	*	*	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CN	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C
1	0	15	53	53	52
2	0	34	53	53	52
3	0	53	52	53	53
4	1	12	53	53	53
5	1	30	53	53	52
6	1	49	53	53	52
7	2	13	53	53	52
8	2	32	53	53	53
9	2	51	53	53	53
10	3	10	53	53	53
11	3	28	53	53	53
12	3	47	53	53	53
13	4	6	53	53	52
14	4	25	54	53	53
15	4	44	53	53	53
16	5	2	53	52	52
17	5	21	53	53	53
18	5	40	53	53	52
19	5	59	54	53	52
20	6	18	53	52	52
21	6	36	53	54	53
22	6	55	53	53	52
23	7	14	53	54	51
24	7	33	53	53	52
25	7	51	53	53	53
26	8	10	53	54	52
27	8	29	53	53	53
28	8	48	53	53	53
29	9	6	53	53	53
30	9	25	53	53	53
31	9	44	53	53	53
32	10	3	53	53	53
33	10	21	53	54	53
34	10	40	53	53	52
35	10	59	54	53	53
36	11	18	54	53	52
37	11	37	54	53	53
38	11	55	54	53	53
39	12	14	53	55	53
40	12	33	53	54	53

-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COM- PRESS CASING TEMP DEG.C	7-12 ENG.1 COM- PRESS CASING TEMP DEG.C
15	53	53	52	53	52	52	52	52
24	53	53	52	53	52	52	52	52
53	52	53	53	53	52	52	52	53
12	53	53	53	54	52	52	52	52
30	53	53	52	53	52	53	52	53
49	53	53	52	53	52	52	52	53
13	53	53	52	53	52	52	52	53
32	53	53	53	53	52	52	53	53
51	53	53	53	53	52	52	52	53
10	53	53	53	53	52	52	53	53
28	53	53	53	53	52	52	51	53
47	53	53	53	53	53	53	53	53
6	53	53	52	53	52	52	52	53
25	54	53	53	53	53	52	53	53
44	53	53	53	53	53	52	52	53
2	53	52	52	53	51	52	52	52
21	53	53	53	53	52	52	53	53
40	53	53	52	52	52	52	52	53
59	54	53	52	53	52	52	52	53
18	53	52	52	54	52	51	52	52
36	53	54	53	53	53	52	53	52
55	53	53	52	53	53	52	52	53
24	53	54	51	53	53	52	53	52
43	53	53	52	53	52	52	52	53
1	53	53	53	53	52	52	52	53
20	53	54	52	53	53	53	52	53
39	53	53	53	53	53	52	52	53
8	53	53	53	53	52	52	53	53
6	53	53	53	52	53	53	53	52
5	53	53	53	52	51	52	53	52
4	53	53	53	53	52	52	52	53
3	53	53	53	53	52	52	53	53
1	53	54	53	53	53	52	52	52
0	53	53	52	53	52	52	53	53
9	54	53	53	54	52	52	53	53
8	54	53	52	53	53	52	53	52
7	54	53	53	53	52	53	53	53
5	54	53	53	54	53	52	53	53
4	53	55	53	53	52	52	53	53
3	53	54	53	54	53	53	53	53

CN	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C
41	12	52	53	54	53
42	13	10	53	53	53
43	13	29	53	53	53
44	13	48	53	53	53
45	14	7	53	54	53
46	14	25	53	54	53
47	14	44	53	54	52
48	15	3	53	53	53
49	15	22	53	53	53
50	15	41	53	53	52
51	15	59	53	55	52
52	16	18	53	53	53
53	16	37	52	53	53
54	16	56	53	53	53
55	17	14	54	52	52
56	17	33	53	53	52
57	17	52	53	53	53
58	18	11	53	53	53
59	18	29	53	53	53
60	18	48	53	53	53
61	19	7	54	53	53
62	19	26	53	53	53
63	19	44	53	53	53
64	20	3	53	53	53
65	20	22	53	53	52
66	20	41	54	53	52
67	20	59	53	54	53
68	21	18	54	54	53
69	21	37	53	53	53
70	21	56	53	53	52
71	22	14	53	54	53
72	22	33	53	53	53
73	22	52	53	53	53
74	23	11	54	53	53
75	23	20	54	53	53
76	23	48	54	54	53
77	24	7	53	54	53
78	24	26	54	54	53
79	24	45	54	54	53
80	25	3	54	53	53
81	25	22	54	54	53
82	25	41	54	53	53
83	26	0	53	53	53
84	26	9	54	54	53
85	26	25	55	54	53
86	26	44	55	54	54
87	27	3	55	55	53
88	27	22	55	55	54
89	27	40	55	55	54
90	27	59	55	54	54

7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COM- PRESS CASING TEMP DEG.C	7-12 ENG.1 COM- PRESS CASING TEMP DEG.C
53	54	53	55	53	52	53	53
53	53	53	53	53	52	53	53
53	53	53	55	53	52	53	53
53	53	53	53	52	52	53	53
53	54	53	54	52	53	53	53
53	54	53	54	53	53	52	53
53	54	52	54	52	52	52	52
53	53	53	53	52	52	52	53
53	53	53	53	53	52	52	53
53	53	52	53	53	52	52	52
53	55	52	53	52	52	52	53
53	53	53	52	52	52	52	53
52	53	53	53	52	52	52	53
53	53	53	53	52	52	52	53
54	52	52	53	52	53	52	53
53	53	52	53	52	52	53	53
53	53	53	53	52	52	51	53
53	53	53	53	52	53	53	53
53	53	53	54	54	53	53	53
53	53	53	54	55	53	54	53
54	53	53	54	55	54	54	54
53	53	53	54	54	53	54	54
53	53	53	54	55	54	54	54
53	53	53	54	55	53	55	54
53	53	52	54	54	53	55	54
54	53	52	55	55	53	55	54
53	54	53	55	55	53	54	54
54	54	53	54	55	53	54	53
53	53	53	54	55	53	55	54
53	53	52	54	55	53	55	54
53	54	53	55	55	54	55	54
53	53	53	54	54	54	55	54
53	53	53	55	55	53	54	54
54	53	53	54	55	54	55	54
54	53	53	54	55	54	55	54
54	53	53	54	55	54	55	54
53	54	53	54	56	53	55	54
54	54	53	54	55	54	55	54
54	54	53	54	55	53	55	54
54	53	53	54	55	54	55	54
54	54	53	54	55	54	55	54
54	53	53	55	55	53	55	55
55	53	53	55	56	53	55	55
54	54	53	55	55	54	55	55
55	54	53	56	57	54	55	55
55	54	54	56	57	54	55	55
55	55	53	56	56	54	55	55
55	55	54	56	56	54	56	55
55	55	54	56	56	54	56	55
55	54	54	57	57	54	55	55

CN	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C
91	28	18	55	54	54
92	28	37	55	55	54
93	28	56	54	54	54
94	29	14	55	54	54
95	29	33	55	56	54
96	29	52	54	55	54
97	30	11	55	54	54
98	30	30	54	55	54
99	30	48	55	55	53
100	31	7	55	55	54
101	31	26	55	55	54
102	31	45	55	55	55
103	32	3	55	55	54
104	32	22	55	55	54
105	32	41	55	55	54
106	33	0	55	55	55
107	33	19	55	55	54
108	33	37	55	54	54
109	33	56	55	55	54
110	34	15	55	54	54
111	34	34	55	55	54
112	34	52	55	55	54
113	35	11	55	55	55
114	35	30	55	56	55
115	35	49	55	55	55
116	36	7	55	56	55
117	36	26	55	55	54
118	36	45	55	55	55
119	37	4	56	56	55
120	37	23	56	56	55
121	37	41	57	55	55
122	38	0	56	55	55
123	38	19	56	56	55
124	38	38	56	56	55
125	38	57	55	56	55
126	39	15	55	56	55
127	39	34	56	56	55
128	39	53	56	56	56
129	40	12	57	57	55
130	40	30	56	56	56
131	40	49	56	56	56
132	41	8	57	56	56
133	41	27	57	56	56
134	41	45	57	56	55
135	42	4	57	57	56
136	42	23	57	57	56
137	42	42	57	57	57
138	43	1	57	57	57
139	43	19	57	57	56
140	43	38	57	57	57

7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COM- PRESS CASING TEMP DEG.C	7-12 ENG.1 COM- PRESS CASING TEMP DEG.C
18	55	54	54	56	56	54	55	56
37	55	55	54	56	56	54	56	54
56	54	54	54	56	56	54	55	54
14	55	54	54	56	56	54	55	54
33	55	56	54	55	56	54	56	55
52	54	55	54	56	56	54	55	55
11	55	54	54	56	56	55	56	55
30	54	55	54	56	56	54	55	55
48	55	55	53	56	56	54	55	55
7	55	55	54	55	56	54	56	55
26	55	55	54	55	56	54	55	54
45	55	55	55	56	56	54	56	55
3	55	55	54	56	56	54	55	55
22	55	55	54	56	57	54	56	54
41	55	55	54	56	56	54	56	54
0	55	55	55	56	56	54	56	54
19	55	55	54	56	57	54	56	54
37	55	54	54	56	56	55	55	54
56	55	55	54	55	56	54	55	54
15	55	54	54	55	57	56	56	55
34	55	55	54	56	58	56	57	55
52	55	55	54	57	59	56	57	55
11	55	55	55	57	58	56	57	56
30	55	56	55	58	58	56	58	56
49	55	55	55	58	58	56	58	56
7	55	56	55	58	58	56	57	57
26	55	55	54	58	57	56	58	56
45	55	55	55	59	58	56	58	57
4	56	56	55	59	58	56	58	57
23	56	56	55	58	57	56	59	57
41	57	55	55	58	57	57	58	57
0	56	55	55	59	58	56	59	57
19	56	56	55	59	58	56	58	57
38	56	56	55	58	58	56	58	57
57	55	56	55	58	58	55	57	57
15	55	56	55	59	57	56	58	56
34	56	56	55	58	58	56	57	57
53	56	56	56	58	58	57	57	57
12	57	57	55	59	58	56	59	57
30	56	56	56	58	59	57	57	57
49	56	56	56	57	59	56	58	58
8	57	56	56	57	60	57	59	57
27	57	56	56	57	61	59	61	57
45	57	56	55	57	64	60	62	57
4	57	57	56	56	67	61	63	58
23	57	57	56	57	70	62	64	57
42	57	57	57	58	72	62	64	57
1	57	57	57	59	74	62	66	58
19	57	57	56	59	76	63	67	59
38	57	57	57	59	79	63	67	60

CN	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C
141	43	57	58	57	57
142	44	16	58	58	57
143	44	34	59	58	57
144	44	53	60	58	59
145	45	12	59	59	58
146	45	31	59	59	58
147	45	50	60	59	58
148	46	8	61	60	59
149	46	27	62	60	59
150	46	46	64	62	60
151	47	5	65	61	59
152	47	23	66	61	60
153	47	42	67	63	60
154	48	1	68	63	60
155	48	20	69	64	61
156	48	38	70	65	62
157	48	57	71	65	63
158	49	16	72	65	62
159	49	35	73	67	63
160	49	53	73	66	63
161	50	12	73	67	64
162	50	31	74	68	64
163	50	50	75	68	64
164	51	9	75	69	65
165	51	27	77	69	65
166	51	46	76	69	64
167	52	5	77	70	66
168	52	24	78	71	65
169	52	42	78	70	66
170	53	1	79	71	67
171	53	20	79	73	66
172	53	39	79	73	68
173	53	57	80	73	70
174	54	16	80	75	72
175	54	35	82	76	74
176	55	0	92	93	87
177	55	19	92	93	87
178	55	37	93	93	88
179	55	56	92	92	87
180	56	15	92	92	87
181	56	34	94	92	87
182	56	53	91	92	87
183	57	11	91	91	87
184	57	30	91	91	88
185	57	49	91	91	88
186	58	8	92	91	87
187	58	26	92	91	88
188	58	45	91	91	88
189	59	4	90	91	88
190	59	23	92	91	87

7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COM- PRESS CASING TEMP DEG.C	7-12 ENG.1 COM- PRESS CASING TEMP DEG.C
57	58	57	57	59	80	63	68	60
16	58	58	57	64	82	63	68	60
34	59	58	57	59	83	63	68	61
53	60	58	59	60	84	64	69	60
12	59	59	58	61	85	64	69	61
31	59	59	58	60	86	62	71	61
50	60	59	58	59	88	61	71	61
8	61	60	59	59	90	60	72	61
27	62	60	59	59	91	59	73	61
46	64	62	60	59	93	58	74	60
5	65	61	59	60	95	59	74	60
23	66	61	60	60	96	58	74	62
42	67	63	60	60	96	59	75	61
1	68	63	60	61	98	57	75	62
20	69	64	61	61	98	57	76	63
38	70	65	62	61	99	57	76	62
57	71	65	63	60	100	57	76	63
16	72	65	62	61	102	59	75	63
35	73	67	65	60	102	57	76	63
53	73	66	63	60	102	58	76	63
12	73	67	64	61	102	57	76	63
31	74	68	64	61	104	57	75	63
50	75	68	64	61	104	60	75	63
9	75	69	65	61	104	59	75	64
27	77	69	65	62	105	58	76	64
46	76	69	64	61	107	59	75	64
5	77	70	66	61	106	61	76	64
24	78	71	65	62	107	60	76	64
42	78	70	66	62	107	61	76	64
1	79	71	67	62	107	60	77	65
20	79	70	66	62	108	60	77	64
39	79	73	68	66	108	63	76	65
57	80	73	70	73	108	64	75	71
16	80	75	72	79	106	64	76	78
35	82	76	74	84	105	64	76	82
0	92	93	87	87	81	77	93	76
19	92	93	87	87	80	78	94	76
37	93	93	88	88	81	78	93	76
56	92	92	87	87	81	77	93	76
15	92	92	87	87	80	78	93	76
34	94	92	87	87	80	77	93	76
53	91	92	87	86	81	78	93	76
11	91	91	87	87	80	77	93	76
30	91	91	88	87	79	77	93	76
49	91	91	88	86	80	77	93	77
8	92	91	87	86	80	78	93	75
26	92	91	88	85	79	78	94	76
45	91	91	88	85	79	78	93	76
4	90	91	88	79	81	78	91	77
23	92	91	87	71	96	78	90	76

CN	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C
191	59	42	91	92	86
192	60	0	92	91	86
193	60	19	91	91	86
194	60	38	91	91	86
195	60	57	91	90	86
196	61	15	92	90	85
197	61	34	91	90	83
198	61	53	91	89	82
199	62	12	92	89	82
200	62	31	92	88	81
201	62	49	93	89	81
202	63	8	92	88	81
203	63	27	93	87	81
204	63	46	94	88	80
205	64	4	93	88	80
206	64	23	93	88	79
207	64	42	93	88	80
208	65	1	94	89	80
209	65	20	95	89	80
210	65	38	94	90	80
211	65	57	96	89	79
212	66	16	96	90	80
213	66	35	96	91	80
214	66	53	96	91	80
215	67	12	97	91	80
216	67	31	97	92	80
217	67	50	98	91	80
218	68	9	98	91	80
219	68	27	99	91	81
220	68	46	98	91	81
221	69	5	99	91	80
222	69	24	99	91	81
223	69	42	99	92	80
224	70	1	100	91	80
225	70	20	99	92	80
226	70	39	100	92	81
227	70	57	101	91	80
228	71	16	100	93	80
229	71	35	100	93	80
230	71	54	100	94	81
231	72	12	101	93	81
232	72	31	101	93	81
233	72	50	102	94	81
234	73	9	102	95	81
235	73	28	102	95	81
236	73	46	102	93	80
237	74	5	101	94	81
238	74	24	102	94	81
239	74	43	103	94	82
240	75	1	103	93	82

7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COM- PRESS CASING TEMP DEG.C	7-12 ENG.1 COM- PRESS CASING TEMP DEG.C
91	92	86	67	104	80	87	74
92	91	86	65	106	81	84	75
91	91	86	66	107	82	82	73
91	91	86	67	109	81	81	72
91	90	86	64	110	81	80	72
92	90	85	64	112	78	80	71
91	90	83	64	113	73	80	70
91	89	82	64	114	71	81	69
92	89	82	64	113	68	81	69
92	88	81	63	112	66	80	68
93	89	81	64	112	65	80	69
92	88	81	61	111	64	80	68
93	87	81	64	111	63	80	68
94	88	80	62	110	62	80	67
93	88	80	62	110	61	79	67
93	88	79	61	110	61	79	65
93	88	80	61	110	60	80	66
94	89	80	61	110	60	81	65
95	89	80	60	110	59	81	64
94	90	80	61	111	59	82	65
96	89	79	61	111	58	83	64
96	90	80	60	111	57	83	65
96	91	80	60	110	57	83	65
96	91	80	61	111	56	83	64
97	91	80	60	112	56	81	65
97	92	80	61	112	55	81	64
98	91	80	61	113	55	81	65
98	91	80	62	115	55	81	65
99	91	81	60	115	53	81	65
98	91	81	61	115	54	80	65
99	91	80	61	116	55	80	64
99	91	81	61	116	54	80	65
99	92	80	60	116	55	80	64
100	91	80	61	117	54	80	64
99	92	80	61	117	55	80	64
100	92	81	61	117	54	80	65
101	91	80	60	117	54	80	64
100	93	80	61	117	54	81	65
100	93	80	60	118	55	79	64
100	94	81	61	117	55	80	65
101	93	81	61	119	55	79	66
101	93	81	61	118	55	80	65
102	94	81	62	118	55	79	64
102	95	81	61	118	55	80	64
102	95	81	61	118	55	80	65
102	93	80	62	120	55	80	65
101	94	81	62	119	55	81	64
102	94	81	62	119	56	80	65
103	94	82	61	120	56	81	65
103	93	82	63	119	57	81	66

CN	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C
241	75	20	102	93	82
242	75	39	102	94	82
243	75	58	102	93	81
244	76	16	103	95	82
245	76	35	102	96	86
246	76	54	103	98	88
247	77	13	103	98	90
248	77	32	105	99	98
249	77	50	106	100	101
250	78	9	106	101	100
251	78	28	107	102	98
252	78	47	107	102	98
253	79	5	107	102	99
254	79	24	107	102	99
255	79	43	108	102	100
256	80	2	108	104	104
257	80	20	109	104	105
258	80	39	109	105	106
259	80	58	110	106	107
260	81	17	110	106	108
261	81	35	112	107	110
262	81	54	111	107	110
263	82	13	112	108	110
264	82	32	112	109	111
265	82	51	113	109	111
266	83	9	113	110	111
267	83	28	114	110	111
268	83	47	114	111	112
269	84	6	114	111	112
270	84	24	114	111	112
271	84	43	114	111	111
272	85	2	114	111	112
273	85	21	116	112	112
274	85	39	114	112	113
275	85	58	115	112	112
276	86	17	115	112	112
278	86	54	115	113	113
279	87	13	115	113	112
280	87	32	115	113	112
281	87	51	116	113	112
282	88	9	116	113	113
283	88	28	116	114	112
284	88	47	116	113	112
285	89	6	115	114	112
286	89	24	116	114	112
287	89	43	115	114	112
288	90	2	115	114	111
289	90	21	115	113	110
290	90	39	115	113	110

760

7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COM- PRESS CASING TEMP DEG.C	7-12 ENG.1 COM- PRESS CASING TEMP DEG.C
20	102	93	82	62	118	58	80	68
39	102	94	82	62	117	59	79	68
58	102	93	81	62	117	59	79	67
16	103	95	82	68	118	62	79	69
35	102	96	86	74	117	62	79	73
54	103	98	88	81	115	64	78	82
13	103	98	90	86	114	64	78	87
32	105	99	98	91	113	65	81	98
50	106	100	101	82	113	65	83	107
9	106	101	100	85	114	65	83	109
28	107	102	98	90	114	65	82	108
47	107	102	98	95	114	65	82	108
5	107	102	99	98	112	65	81	110
24	107	102	99	100	111	65	82	111
43	108	102	100	101	110	66	82	111
2	108	104	104	102	110	67	84	117
20	109	104	105	103	108	66	85	119
39	109	105	106	104	108	67	87	121
58	110	106	107	104	107	67	87	122
17	110	106	108	104	106	67	88	124
35	112	107	110	106	106	68	90	127
54	111	107	110	107	105	69	91	128
13	112	108	110	107	105	70	91	129
32	112	109	111	109	105	71	93	129
51	113	109	111	111	105	71	94	130
9	113	110	111	111	104	70	95	128
28	114	110	111	110	104	71	96	128
47	114	111	112	112	104	72	96	130
6	114	111	112	110	103	72	98	129
24	114	111	112	112	102	72	99	129
43	114	111	111	112	102	72	99	129
2	114	111	112	113	102	72	99	128
21	116	112	112	113	103	73	99	128
39	114	112	113	112	101	73	100	127
58	115	112	112	113	101	73	101	127
17	115	112	112	113	101	73	101	126
35	115	113	113	113	100	74	102	126
54	115	113	112	112	100	74	103	125
13	115	113	112	113	100	75	103	124
31	116	113	112	113	101	74	103	124
50	116	113	113	113	100	74	104	123
9	116	114	112	113	100	75	104	123
27	116	113	112	113	100	75	104	123
46	115	114	112	112	99	76	104	121
4	116	114	112	113	100	76	104	121
23	115	114	112	112	99	77	105	120
42	115	114	111	112	99	77	105	119
1	115	113	110	112	99	76	105	117
19	115	113	110	112	98	76	105	116

CN	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C
291	90	58	115	113	110
292	91	17	115	112	109
293	91	36	115	113	109
294	*	*	*	*	*

-03 ME EC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN TEMP DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COM- PRESS CASING TEMP DEG.C	7-12 ENG.1 COM- PRESS CASING TEMP DEG.C
8	115	113	110	112	99	76	104	114
7	115	112	109	112	98	77	104	113
6	115	113	109	111	98	76	104	112
*	*	*	*	*	*	*	*	*

2

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CN	7-13 ENG.1 COM-PRESS CASING TEMP DEG.C	7-14 ENG.1 COM-PRESS CASING TEMP DEG.C	7-15 ENG.1 COM-PRESS CASING TEMP DEG.C	7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7-21 ENG.1 COM-PRESS CASING TEMP DEG.C
1		52	53	53	52	53
2		52	53	52	52	52
3		52	52	52	53	52
4		52	52	53	52	52
5		52	53	53	52	52
6		52	52	53	53	53
7		53	52	53	53	52
8		53	54	53	53	52
9		52	53	53	52	53
10		53	53	53	53	53
11		53	53	53	53	53
12		53	53	53	52	52
13		52	53	52	52	52
14		53	53	53	52	52
15		53	53	53	52	53
16		53	53	53	52	52
17		53	54	52	52	53
18		52	52	52	52	52
19		52	52	53	52	52
20		52	52	52	52	52
21		52	53	53	52	53
22		52	53	52	53	52
23		53	53	52	51	53
24		53	52	52	52	52
25		52	53	52	52	52
26		52	53	53	53	53
27		53	53	52	53	52
28		53	52	52	53	52
29		53	53	53	53	53
30		52	53	52	52	52
31		53	52	53	53	53
32		53	54	53	53	52
33		53	53	53	52	52
34		52	53	53	52	53
35		53	53	53	53	53
36		53	53	53	52	52
37		53	54	53	53	53
38		53	53	53	53	52
39		52	53	53	53	52
40		53	53	53	53	53

762

7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7-21 ENG.1 COM-PRESS CASING TEMP DEG.C	7-22 ENG.1 GAS GEN. TURB. CASING DEG.C	7-23 ENG.1 GAS GEN. TURB. CASING DEG.C	7-24 ENG.1 GAS GEN. TURB. CASING DEG.C	7-25 ENG.1 POWER TURB. CASING TEMP DEG.C	7-26 ENG.1 POWER TURB. CASING TEMP DEG.C
53	52	53	53	53	53	53	53
52	52	52	52	53	54	53	52
52	53	52	53	53	53	53	53
53	52	52	53	52	54	53	53
53	52	52	53	53	54	53	53
53	53	53	53	52	53	53	53
53	53	52	53	53	54	53	53
53	53	52	53	53	53	54	53
53	52	53	54	53	54	53	53
53	53	53	53	53	53	53	52
53	53	53	53	53	54	54	53
53	52	52	53	53	54	54	53
52	52	52	53	53	53	53	53
53	52	52	53	53	53	53	53
53	52	53	54	53	54	54	54
53	52	52	53	54	54	54	52
52	52	53	53	53	53	53	53
52	52	52	53	53	53	53	53
53	52	52	53	52	53	52	52
52	52	52	53	52	54	53	54
53	52	53	53	53	53	54	53
52	53	52	53	53	53	53	53
52	51	53	53	52	53	53	53
52	52	52	53	52	53	53	54
52	52	52	53	53	53	54	53
53	53	53	53	53	54	53	53
52	53	52	53	53	54	54	53
52	53	52	54	53	53	53	53
53	53	53	53	53	53	52	53
52	52	52	53	53	54	53	53
53	53	53	54	53	53	53	53
53	53	52	53	53	53	54	54
53	52	52	53	54	54	54	53
53	52	53	53	53	54	54	52
53	53	53	54	53	54	53	53
53	52	52	53	53	53	54	53
53	53	53	54	53	54	54	53
53	53	52	53	54	53	54	54
53	53	52	53	54	55	54	53
53	53	53	53	53	55	53	53

2

CN	7-13 ENG.1 COM-PRESS CASING TEMP DEG.C	7-14 ENG.1 COM-PRESS CASING TEMP DEG.C	7-15 ENG.1 COM-PRESS CASING TEMP DEG.C	7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7-21 ENG.1 COM-PRESS CASING TEMP DEG.C
41		54	53	53	53	53
42		53	53	53	52	52
43		53	53	53	52	53
44		53	53	54	53	53
45		53	53	53	53	52
46		53	53	53	53	53
47		53	53	53	52	52
48		53	52	53	52	52
49		52	53	53	52	51
50		52	53	52	53	52
51		52	53	52	52	52
52		53	53	52	52	52
53		52	53	53	52	53
54		52	52	53	52	52
55		53	53	52	51	52
56		52	53	53	52	53
57		53	52	53	52	52
58		54	54	54	53	52
59		56	55	55	54	54
60		57	55	56	56	55
61		56	56	55	56	56
62		56	56	56	56	57
63		56	56	55	56	56
64		56	55	56	56	56
65		55	56	56	56	57
66		56	55	55	56	56
67		56	55	55	56	56
68		56	56	55	56	56
69		56	55	55	56	56
70		55	56	56	56	56
71		56	56	55	55	56
72		55	56	56	55	56
73		56	56	55	55	56
74		56	56	56	56	56
75		56	55	55	56	56
76		56	55	55	56	56
77		56	55	55	56	57
78		56	56	55	56	57
79		55	55	55	53	56
80		56	55	55	56	56
81		56	55	56	56	56
82		56	55	55	56	56
83		56	55	55	56	56
84		56	55	55	56	56
85		56	55	56	56	56
86		56	55	56	56	55
87		56	55	56	56	56
88		56	55	55	56	56
89		55	55	55	56	56
90		57	55	56	56	56

15	7-16	7-17	7-21	7-22	7-23	7-24	7-25	7-26
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
i-	COM-	COM-	COM-	GAS	GAS	GAS	POWER	POWER
SS	PRESS	PRESS	PRESS	GEN.	GEN.	GEN.	TURB.	TURB.
NG	CASING	CASING	CASING	TURB.	TURB.	TURB.	CASING	CASING
MP	TEMP	TEMP	TEMP	CASING	CASING	CASING	TEMP	TEMP
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
	53	53	53	53	54	53	53	54
	53	52	52	54	53	54	53	53
	53	52	53	54	53	54	53	54
	54	53	53	53	54	53	54	54
	53	53	52	53	53	54	54	53
	53	53	53	53	53	54	54	53
	53	52	52	53	53	53	53	54
	53	52	52	53	53	53	53	52
	53	52	51	53	53	52	53	53
	52	53	52	53	53	53	54	53
	52	52	52	53	52	54	53	52
	52	52	52	53	53	53	53	53
	53	52	53	53	52	53	53	52
	53	52	52	54	52	53	53	53
	52	51	52	53	53	53	53	54
	53	52	53	53	53	53	53	53
	53	52	52	53	53	53	53	53
	54	53	52	54	53	55	53	53
	55	54	54	55	55	56	54	54
	56	56	55	56	55	57	55	54
	55	56	56	56	56	57	56	55
	56	56	57	56	56	57	56	55
	55	56	56	57	56	57	56	55
	56	56	56	56	56	57	57	56
	56	56	57	56	56	57	57	56
	55	56	56	56	56	57	57	56
	55	56	56	57	56	57	57	56
	55	56	56	56	56	57	57	56
	56	56	56	56	56	57	57	56
	55	55	56	56	56	57	56	57
	56	55	56	56	56	57	57	56
	55	55	56	56	57	57	57	57
	56	56	56	56	57	57	57	57
	55	56	56	56	57	57	57	57
	55	56	56	56	57	57	57	57
	55	56	57	57	57	57	57	57
	55	56	57	57	57	57	57	57
	55	55	56	56	57	57	57	57
	55	56	56	57	57	57	57	57
	56	56	56	57	57	58	57	57
	55	56	56	57	57	58	57	57
	55	56	56	57	58	57	57	57
	55	56	56	57	57	57	57	57
	56	56	56	57	57	58	56	57
	56	56	55	57	57	58	56	57
	56	56	56	57	57	58	57	57
	55	56	56	57	57	58	57	57
	55	56	56	57	57	57	56	57
	56	56	56	57	57	58	56	57

2

CN	7-13 ENG.1 COM- PRESS CASING TEMP DEG.C	7-14 ENG.1 COM- PRESS CASING TEMP DEG.C	7-15 ENG.1 COM- PRESS CASING TEMP DEG.C	7-16 ENG.1 COM- PRESS CASING TEMP DEG.C	7-17 ENG.1 COM- PRESS CASING TEMP DEG.C	7-21 ENG.1 COM- PRESS CASING TEMP DEG.C
91		56	55	55	56	56
92		56	55	55	56	56
93		55	55	56	56	56
94		57	55	55	56	57
95		56	56	55	55	56
96		56	55	56	55	56
97		56	55	56	56	56
98		56	55	56	56	56
99		56	55	55	56	55
100		56	55	56	55	55
101		56	56	55	56	55
102		56	55	56	56	56
103		56	56	56	56	56
104		56	55	55	56	56
105		56	55	55	55	55
106		56	56	55	56	56
107		56	55	55	56	56
108		56	56	56	56	55
109		56	55	56	56	56
110		60	60	58	57	56
111		62	60	59	60	60
112		60	59	60	60	61
113		59	59	60	60	61
114		60	59	59	60	62
115		59	59	60	60	61
116		59	59	59	59	61
117		59	59	59	60	60
118		59	59	59	60	60
119		59	58	59	59	61
120		59	59	59	59	61
121		60	59	59	60	61
122		59	59	59	60	61
123		59	59	59	60	62
124		60	59	59	60	61
125		59	58	59	60	60
126		59	58	59	59	60
127		59	59	59	60	60
128		59	59	59	60	61
129		59	58	59	60	60
130		59	59	59	59	61
131		59	59	59	59	60
132		63	62	61	61	61
133		68	69	66	64	64
134		70	72	69	69	69
135		72	75	72	71	73
136		73	76	73	72	71
137		73	77	74	73	79
138		74	78	75	75	80
139		74	78	77	75	82
140		74	80	78	76	83

7-15 ENG.1 COM- PRESS SING TEMP EG.C	7-16 ENG.1 COM- PRESS CASING TEMP DEG.C	7-17 ENG.1 COM- PRESS CASING TEMP DEG.C	7-21 ENG.1 COM- PRESS CASING TEMP DEG.C	7-22 ENG.1 GAS GEN. TURB. CASING DEG.C	7-23 ENG.1 GAS GEN. TURB. CASING DEG.C	7-24 ENG.1 GAS GEN. TURB. CASING DEG.C	7-25 ENG.1 POWER TURB. CASING TEMP DEG.C	7-26 ENG.1 POWER TURB. CASING TEMP DEG.C
55	55	56	56	57	57	58	57	57
55	55	56	56	57	57	58	56	57
55	56	56	56	57	57	57	56	56
55	55	56	57	57	57	57	57	57
56	55	55	56	57	57	57	56	57
55	56	55	56	58	57	57	57	56
55	56	56	56	57	57	57	57	56
55	56	56	56	57	57	57	56	57
55	55	56	55	57	57	58	56	57
56	56	55	55	57	57	58	56	56
55	55	56	55	57	57	58	57	57
56	56	56	56	57	57	57	57	57
55	56	56	56	57	57	57	56	57
55	55	56	56	57	57	57	56	56
56	55	56	56	58	57	58	56	57
55	55	56	56	57	57	57	56	56
56	56	56	55	57	57	57	56	57
55	56	56	56	57	57	57	56	56
60	58	57	56	73	71	71	69	64
60	59	60	60	82	81	83	90	80
59	60	60	61	85	87	89	102	91
59	60	60	61	88	90	92	108	98
59	59	60	62	90	93	95	112	101
59	60	60	61	92	94	96	114	104
59	59	59	61	94	95	98	115	107
59	59	60	60	94	97	98	117	108
59	59	60	60	96	98	99	11[illegible]	110
58	59	59	61	97	99	100	118	110
59	59	59	61	98	99	100	117	111
59	59	60	61	100	100	100	118	111
59	59	60	61	100	100	101	117	110
59	59	60	62	100	100	102	116	110
58	59	60	61	100	101	101	115	110
58	59	60	60	100	101	101	115	110
58	59	59	60	101	100	101	114	110
59	59	60	60	100	102	101	113	110
59	59	60	61	101	102	102	113	108
59	59	60	60	102	102	101	112	109
59	59	59	61	101	102	101	111	109
59	59	59	60	101	101	101	111	108
61	61	61	61	110	110	109	123	115
66	64	64	64	152	146	145	168	140
69	69	69	69	186	178	179	220	177
72	71	73	73	209	201	202	272	215
73	72	77	77	226	217	217	322	253
74	73	79	79	235	228	227	361	286
75	75	80	80	242	235	234	390	316
77	75	82	82	247	241	240	410	340
78	76	83	83	250	246	244	427	360

CN	7-13 ENG.1 COM-PRESS CASING TEMP DEG.C	7-14 ENG.1 COM-PRESS CASING TEMP DEG.C	7-15 ENG.1 COM-PRESS CASING TEMP DEG.C	7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7-21 ENG.1 COM-PRESS CASING TEMP DEG.C
141		75	80	78	77	84
142		75	80	78	76	84
143		75	81	78	77	85
144		76	80	79	78	85
145		76	81	79	78	86
146		81	88	83	80	87
147		95	98	90	90	93
148		102	106	98	100	104
149		105	111	104	105	117
150		106	114	106	109	126
151		107	114	108	112	132
152		107	116	109	113	136
153		107	116	109	113	138
154		107	117	110	115	140
155		108	117	110	115	142
156		108	117	111	115	142
157		108	117	110	116	142
158		109	117	109	115	142
159		109	117	110	117	142
160		108	118	110	115	142
161		109	117	110	116	142
162		108	117	109	115	142
163		108	113	109	115	143
164		108	115	108	115	139
165		109	117	109	115	139
166		109	117	109	116	140
167		109	118	110	115	142
168		109	119	110	116	143
169		109	119	110	115	143
170		109	118	110	117	144
171		108	116	110	116	143
172		92	103	104	107	140
173		86	95	96	99	129
174		81	91	93	93	118
175		81	89	88	90	110
176		101	117	110	104	108
177		101	116	110	104	108
178		101	116	110	103	108
179		101	116	109	104	109
180		101	115	109	103	108
181		102	116	109	103	109
182		101	115	109	103	109
183		101	115	109	103	109
184		101	115	109	103	109
185		101	115	109	102	108
186		101	114	108	102	109
187		100	114	108	102	107
188		100	114	107	101	108
189		98	110	107	101	106
190		87	98	99	95	105

7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7-21 ENG.1 COM-PRESS CASING TEMP DEG.C	7-22 ENG.1 GAS GEN. TURB. CASING DEG.C	7-23 ENG.1 GAS GEN. TURB. CASING DEG.C	7-24 ENG.1 GAS GEN. TURB. CASING DEG.C	7-25 ENG.1 POWER TURB. CASING TEMP DEG.C	7-26 ENG.1 POWER TURB. CASING TEMP DEG.C
78	77	84	253	249	246	441	378
78	76	84	255	252	249	451	393
78	77	85	257	254	250	459	404
79	78	85	259	256	252	465	414
79	78	86	261	258	254	470	424
83	80	87	279	278	273	473	429
90	90	93	314	312	304	466	427
98	100	104	341	338	331	461	419
104	105	117	355	352	346	461	416
106	109	126	360	357	351	460	415
108	112	132	362	359	353	460	416
109	113	136	363	360	355	460	417
109	113	138	365	361	357	460	419
110	115	140	366	363	355	460	420
110	115	142	363	362	355	457	422
111	115	142	363	362	357	454	425
110	116	142	362	361	357	453	426
109	115	142	362	361	357	451	426
110	117	142	362	361	353	451	427
110	115	142	362	360	355	450	426
110	116	142	363	360	355	449	427
109	115	142	361	361	355	449	426
109	115	143	355	352	350	445	424
108	115	139	357	357	346	441	422
109	115	139	361	360	352	442	422
109	116	140	361	360	355	440	422
110	115	142	362	361	357	440	422
110	116	143	363	362	356	442	422
110	115	143	362	361	357	441	423
110	117	144	362	362	359	441	423
110	116	143	360	357	354	443	421
104	107	140	346	349	342	440	420
96	99	129	346	351	338	427	410
91	93	118	345	350	335	411	395
88	90	110	342	346	331	393	383
110	104	108	171	174	204	127	132
110	104	108	171	172	204	126	131
110	103	108	170	172	203	125	130
109	104	109	169	172	203	124	129
109	103	108	169	171	201	124	129
109	103	109	169	171	202	124	128
109	103	109	168	170	201	123	127
109	103	109	168	170	201	122	127
109	103	109	167	169	200	121	126
109	102	108	166	169	200	121	126
108	102	109	166	168	200	120	125
108	102	107	165	168	199	120	124
107	101	108	164	167	199	120	123
107	101	108	164	167	197	120	124
99	95	105	159	162	188	130	128

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CA	7-13 ENG.1 COM-PRESS CASING TEMP DEG.C	7-14 ENG.1 COM-PRESS CASING TEMP DEG.C	7-15 ENG.1 COM-PRESS CASING TEMP DEG.C	7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7-21 ENG.1 COM-PRESS CASING TEMP DEG.C
191		82	93	93	90	100
192		80	90	90	88	97
193		80	89	88	86	94
194		79	87	87	85	93
195		81	90	87	85	92
196		95	100	94	92	95
197		104	110	103	101	106
198		107	114	108	108	120
199		109	116	111	112	130
200		108	117	113	115	136
201		110	118	112	116	140
202		109	118	112	116	142
203		110	119	112	117	144
204		110	119	113	117	144
205		110	118	112	117	145
206		110	120	113	117	145
207		112	122	115	118	146
208		116	127	120	120	151
209		117	129	123	122	156
210		118	131	125	122	158
211		117	131	126	124	161
212		118	132	126	125	162
213		118	133	127	126	163
214		121	136	129	127	163
215		124	138	131	130	166
216		124	138	132	131	167
217		125	139	134	132	168
218		125	139	133	133	168
219		125	140	133	133	169
220		125	140	133	133	169
221		125	140	133	134	169
222		125	140	132	133	169
223		125	140	132	132	169
224		125	140	132	133	168
225		125	140	131	133	169
226		125	140	132	133	169
227		125	141	132	132	169
228		125	141	132	133	169
229		126	140	132	134	169
230		126	141	133	133	169
231		126	140	133	134	170
232		126	140	132	133	169
233		126	141	133	134	169
234		126	141	132	134	169
235		126	141	132	134	169
236		126	141	132	134	169
237		126	141	131	134	168
238		126	140	132	134	168
239		121	135	130	132	169
240		115	128	121	127	165

7-15 ENG.1 COM-PRESS ING EMP G.C	7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7-21 ENG.1 COM-PRESS CASING TEMP DEG.C	7-22 ENG.1 GAS GEN. TURB. CASING DEG.C	7-23 ENG.1 GAS GEN. TURB. CASING DEG.C	7-24 ENG.1 GAS GEN. TURB. CASING DEG.C	7-25 ENG.1 POWER TURB. CASING TEMP DEG.C	7-26 ENG.1 POWER TURB. CASING TEMP DEG.C
93	93	90	100	184	181	199	168	151
90	90	88	97	210	204	217	217	185
89	88	86	94	228	222	230	265	221
87	87	85	93	240	233	239	307	257
90	87	85	92	260	256	257	346	289
90	94	92	95	305	301	298	374	319
10	103	101	106	343	335	333	394	337
14	106	108	120	355	349	347	410	352
16	111	112	130	362	355	351	421	367
17	113	115	136	363	359	353	429	379
18	112	116	140	363	362	354	433	388
18	112	116	142	363	362	354	436	395
19	112	117	144	365	363	360	437	400
19	113	117	144	366	364	360	439	405
18	112	117	145	366	364	363	440	409
20	113	117	145	368	366	364	443	412
22	115	118	146	378	376	379	448	417
27	120	120	151	396	392	396	460	425
29	123	122	156	401	398	401	472	433
31	125	122	158	402	401	404	480	440
31	126	124	161	402	401	404	487	446
32	126	125	162	403	402	403	491	451
33	127	126	163	406	406	408	494	455
36	129	127	163	425	420	423	505	460
38	131	130	166	438	429	435	518	466
38	132	131	167	441	433	438	529	473
39	134	132	168	441	434	438	536	479
39	133	133	168	442	433	436	542	485
40	133	133	169	442	434	438	546	480
40	133	133	169	442	436	440	547	490
40	133	134	169	443	435	439	550	491
40	132	133	169	443	435	438	550	492
40	132	132	169	443	436	439	551	492
40	132	133	168	443	435	440	552	492
40	131	133	169	442	435	439	553	493
40	132	133	169	442	436	440	552	492
41	132	132	169	443	437	440	553	492
41	132	133	169	443	437	439	553	494
40	132	134	169	444	436	440	557	494
41	133	133	169	444	437	441	557	495
40	133	134	170	443	438	440	557	495
40	132	133	169	443	437	440	556	496
41	133	134	169	443	438	441	557	495
41	132	134	169	444	436	441	558	495
41	132	134	169	445	438	440	559	495
41	132	134	169	445	438	440	558	496
41	131	134	168	445	439	442	558	497
40	132	134	168	445	439	442	559	498
35	130	132	169	424	419	414	552	495
28	121	127	165	390	391	382	528	486

CN	7-13 ENG.1 COM-PRESS CASING TEMP DEG.C	7-14 ENG.1 COM-PRESS CASING TEMP DEG.C	7-15 ENG.1 COM-PRESS CASING TEMP DEG.C	7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7-21 ENG.1 COM-PRESS CASING TEMP DEG.C
241		112	125	117	122	159
242		112	123	114	119	154
243		112	121	113	120	150
244		100	109	110	114	147
245		89	100	102	103	137
246		84	95	95	97	125
247		83	92	91	93	117
248		83	91	89	91	111
249		83	89	89	91	109
250		80	86	86	87	105
251		78	85	83	84	100
252		78	84	82	83	96
253		78	85	82	83	93
254		78	85	82	83	93
255		79	85	83	83	92
256		80	87	84	83	93
257		81	87	84	84	93
258		82	88	84	84	93
259		83	89	85	86	94
260		84	90	86	87	95
261		84	92	88	87	97
262		86	93	90	89	99
263		88	95	90	90	100
264		90	98	91	91	101
265		90	99	93	92	102
266		91	100	94	94	103
267		91	101	95	94	103
268		92	102	97	95	105
269		94	103	98	96	106
270		95	105	98	98	107
271		95	106	100	98	107
272		95	107	101	99	109
273		98	108	102	99	110
274		99	109	102	100	110
275		99	110	104	101	112
276		100	110	105	102	112
278		101	113	106	103	114
279		102	113	107	104	115
280		103	114	108	105	115
281		103	115	109	106	116
282		104	116	110	106	116
283		104	117	110	107	117
284		105	117	110	107	117
285		106	117	112	109	118
286		106	117	112	109	119
287		108	119	113	110	120
288		108	120	113	110	120
289		109	119	113	110	120
290		108	120	114	110	120

7-16 ENG.1 COM-PRESS CASING TEMP DEG.C	7-17 ENG.1 COM-PRESS CASING TEMP DEG.C	7-21 ENG.1 COM-PRESS CASING TEMP DEG.C	7-22 ENG.1 GAS GEN. TURB. CASING DEG.C	7-23 ENG.1 GAS GEN. TURB. CASING DEG.C	7-24 ENG.1 GAS GEN. TURB. CASING DEG.C	7-25 ENG.1 POWER TURB. CASING TEMP DEG.C	7-26 ENG.1 POWER TURB. CASING TEMP DEG.C
117	122	159	374	380	363	503	476
114	119	154	370	374	361	485	464
113	120	150	368	371	359	470	455
110	114	147	355	360	349	462	447
102	103	137	355	362	348	448	435
95	97	125	353	362	344	429	420
91	93	117	352	358	341	411	404
89	91	111	349	354	338	397	390
89	91	109	341	345	330	384	380
86	87	105	332	335	321	370	367
83	84	100	327	331	314	358	356
82	83	96	321	324	310	346	344
82	83	93	318	320	307	337	336
82	83	93	314	314	304	329	329
83	83	92	308	309	300	323	322
84	83	93	304	305	296	318	316
84	84	93	300	300	292	312	312
84	84	93	296	297	289	308	309
85	86	94	292	293	286	304	304
86	87	95	288	289	284	300	300
88	87	97	285	286	281	297	298
90	89	99	281	283	279	292	293
90	90	100	279	281	276	290	291
91	91	101	277	279	275	287	288
93	92	102	274	276	272	284	285
94	94	103	273	275	270	281	283
95	94	103	271	273	269	278	280
97	95	105	267	271	268	275	278
98	96	106	266	269	267	272	275
98	98	107	265	268	266	270	273
100	98	107	262	266	264	267	270
101	99	109	261	264	264	264	269
102	99	110	259	263	262	262	266
102	100	110	259	261	262	259	264
104	101	112	257	261	261	257	262
105	102	112	256	260	261	255	259
106	103	114	253	256	258	250	255
107	104	115	251	255	257	247	253
108	105	115	250	255	256	246	251
109	106	116	249	253	257	243	246
110	106	116	248	252	256	242	247
110	107	117	246	252	256	238	244
110	107	117	246	250	256	237	243
112	109	118	245	250	255	234	240
112	109	119	243	248	254	232	239
113	110	120	242	247	254	230	237
113	110	120	241	246	254	228	234
113	110	120	241	245	252	226	232
114	110	120	240	245	253	224	231

CN	7-13 ENG.1 COM- PRESS CASING TEMP DEG.C	7-14 ENG.1 COM- PRESS CASING TEMP DEG.C	7-15 ENG.1 COM- PRESS CASING TEMP DEG.C	7-16 ENG.1 COM- PRESS CASING TEMP DEG.C	7-17 ENG.1 COM- PRESS CASING TEMP DEG.C	7-21 ENG.1 COM- PRESS CASING TEMP DEG.C
291		108	120	114	110	120
292		107	120	114	110	120
293		108	120	114	110	120
294		*	*	*	*	*

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15	7-16	7-17	7-21	7-22	7-23	7-24	7-25	7-26
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
-	CON-	CON-	CON-	GAS	GAS	GAS	POWER	POWER
SS	PRESS	PRESS	PRESS	GEN.	GEN.	GEN.	TURB.	TURB.
NG	CASING	CASING	CASING	TURB.	TURB.	TURB.	CASING	CASING
MP	TEMP	TEMP	TEMP	CASING	CASING	CASING	TEMP	TEMP
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
2	114	110	120	238	244	253	223	229
0	114	110	120	238	243	252	221	228
0	114	110	120	237	242	251	220	226
*	*	*	*	*	*	*	*	*

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HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
28 MAY 70
+125 DEG. F. RUN NO.21
TAPE 1372 1 FILE

CN	7-27 ENG.1 POWER TURB. CASING TEMP DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
1	53	53
2	53	52
3	54	53
4	54	52
5	54	52
6	53	53
7	54	53
8	54	53
9	54	53
10	54	54
11	54	53
12	54	53
13	53	52
14	54	52
15	53	53
16	54	53
17	53	52
18	53	53
19	53	53
20	54	53
21	54	51
22	53	52
23	54	53
24	54	52
25	54	53
26	54	53
27	54	52
28	54	53
29	54	52
30	53	53
31	54	53
32	54	52
33	53	52
34	53	53
35	54	53
36	53	53
37	54	53
38	53	53
39	54	53
40	54	53

CN	7-27 ENG.1 POWER TURB. CASING TEMP DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
41	54	53
42	54	52
43	54	53
44	53	53
45	54	53
46	54	53
47	54	53
48	54	52
49	53	53
50	53	53
51	53	52
52	53	52
53	54	53
54	53	53
55	54	52
56	53	53
57	54	53
58	54	54
59	55	53
60	55	53
61	55	54
62	56	53
63	56	53
64	57	54
65	57	54
66	56	54
67	56	54
68	56	54
69	57	54
70	57	54
71	57	54
72	57	54
73	57	55
74	57	54
75	57	55
76	57	54
77	57	54
78	57	55
79	57	54
80	57	55
81	57	55
82	57	55
83	57	55
84	57	55
85	57	57
86	57	57
87	57	57
88	57	56
89	58	57
90	57	56

OLL

CN	7-27 ENG.1 POWER TURB. CASING TEMP DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
91	57	57
92	57	56
93	57	56
94	57	57
95	57	57
96	57	57
97	57	57
98	57	56
99	57	56
100	57	56
101	57	56
102	57	56
103	57	57
104	57	57
105	57	56
106	57	57
107	57	56
108	57	57
109	57	57
110	67	56
111	87	57
112	98	57
113	102	57
114	103	58
115	104	58
116	105	59
117	106	59
118	106	59
119	106	60
120	107	60
121	107	61
122	108	61
123	107	63
124	107	62
125	107	62
126	108	62
127	108	64
128	107	64
129	107	64
130	108	64
131	108	67
132	116	65
133	153	66
134	196	67
135	234	69
136	267	71
137	296	74
138	320	75
139	338	78
140	353	81

CN	7-27 ENG.1 POWER TURB. CASING TEMP DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
141	365	84
142	376	87
143	384	90
144	391	93
145	400	96
146	402	99
147	396	103
148	390	109
149	389	114
150	390	121
151	390	126
152	391	131
153	391	136
154	391	141
155	391	146
156	392	150
157	392	154
158	392	158
159	391	161
160	391	165
161	391	166
162	391	169
163	391	171
164	389	173
165	390	174
166	391	176
167	393	178
168	393	180
169	394	180
170	393	182
171	398	182
172	402	183
173	391	185
174	378	187
175	366	188
176	194	109
177	194	109
178	194	109
179	193	109
180	192	107
181	191	108
182	191	107
183	190	107
184	190	107
185	190	106
186	188	106
187	188	105
188	188	105
189	187	106
190	191	105

CN	7-27 ENG.1 POWER TURB. CASING TEMP DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
191	216	106
192	250	106
193	282	108
194	307	108
195	326	110
196	336	112
197	345	117
198	352	122
199	361	127
200	368	131
201	372	137
202	376	141
203	382	146
204	386	151
205	390	155
206	392	160
207	398	162
208	408	166
209	420	170
210	428	173
211	431	177
212	436	180
213	440	183
214	446	185
215	455	188
216	462	191
217	469	194
218	471	196
219	473	198
220	478	201
221	478	203
222	480	203
223	481	205
224	481	206
225	481	208
226	485	208
227	485	209
228	485	210
229	484	211
230	484	211
231	483	211
232	487	212
233	485	213
234	484	213
235	486	213
236	485	212
237	486	213
238	487	214
239	482	215
240	466	213

CN	7-27 ENG.1 POWER TURB. CASING TEMP DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
241	449	211
242	438	210
243	430	208
244	432	207
245	420	207
246	404	208
247	391	208
248	381	209
249	371	208
250	360	209
251	349	210
252	340	209
253	332	208
254	328	208
255	323	207
256	319	207
257	315	207
258	312	205
259	310	204
260	307	203
261	305	202
262	302	201
263	300	200
264	299	200
265	297	199
266	295	198
267	294	196
268	293	196
269	292	195
270	290	194
271	289	192
272	287	191
273	286	190
274	285	189
275	283	187
276	282	186
	281	
278	279	185
279	278	182
280	277	181
281	276	181
282	275	179
283	274	178
284	272	177
285	272	176
286	270	175
287	270	174
288	268	173
289	267	172
290	266	173

CN	7-27 ENG.1 POWER TURB. CASING TEMP DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
291	264	172
292	264	172
293	263	170
294	*	*

RUN 22, 70°F Engine Oil Test, 1 July 1960
Engine No. 1 Pump (S/N 597) at Nominal Setting of 6.05 gpm (low)
Engine No. 2 Pump (S/N 595) at Nominal Setting of 6.00 gpm (low)
Soak time N/A

Test Synopsis:

This was the first run after a one month break in the testing. Aircraft and instrumentation repairs were made during this time. The failed nose gearbox (engine No. 2) was replaced and both engines were operated. Engine oil test parameters were also installed. It was necessary to replace some of the previous parameters to provide the necessary oil temperature parameters. The standard engine armor plating was installed on engine No. 2 to check for possible effects on engine operating temperature maintenance, etc.

This run was chosen to present baseline 70°F data in the middle of the climatic laboratory tests. This run also provided baseline 70°F dat for the engine oil test.

The calibrated engine oil pumps were set at the low oil flow settin

Pertinent information.

Engine No. 1 had -13 fuel control and no EAPS.

Engine No. 2 had -12 fuel control, EAPS, and armor plating insta

Both engines had calibrated engine oil pumps installed.

Test parameters not connected or not presented.

2-18-Main wheel brake return hydraulic pressure (not connected).

2-19 through 2-26-Heater output airflow differential pressure (not presented).

Defective test parameters not presented (unless indicated otherw

4-13-Second stage hydraulic system pump outlet temperature.

5-07-Engine No. 1 oil cooler outlet oil temperature.

7-12-Engine No. 1 compressor case temperature, 3rd stage, 3 o'cl position.

7-14-Engine No. 1 compressor case temperature, 3rd stage, 6 o'cl position.

7-19-Engine No. 1 compressor case temperature, 5th stage, 3 o'cl position.

7-20-Engine No. 1 compressor case temperature, 5th stage, 4:30 o'clock position.

8-18-Engine No. 2 compressor case temperature, 5th stage, 9 o'cl position.

Event Sheet:

CTR	Event
76	APP - start
80	Comm/nav equip - checked

RUN 22 +70°F 1 JULY 70

CTR	Event
90	All doors and ramp - closed
95	AFCS servos - checked
95	Stick trim - checked
99	Rotor brake - ON
104-113	Engine starters - check operation
114	Engine speed trim - checked
122	AFCS - checked
123	Second stage interlock - checked
134	Engine No. 1 - start
140	Engine No. 1 - shutdown for routine maintenance check
144	Engine No. 2 - start
151	Engine No. 2 - shutdown for routine maintenance check
188	Engine No. 1 - start
190	Rotor brake - OFF
193	Flight control and first stage interlock - checked
195	Engine No. 1 throttle - forward
198	APP - OFF
200	Engine No. 2 - start
208	Minimum governing microswitches - checked
213	Engine No. 1 anti-ice - ON, then OFF
216	Generator dropout and pickup - checked
221	Pitot heat - ON, then OFF
224	EAPS (No. 2) - closed
224-247	Operate engines at flight idle
224-236	Engine No. 2 operated at flight idle with EAPS closed
236-247	Operate engine No. 2 at flight idle with EAPS open
249-277	Operate engines at 50-percent torque with matched N_g
253-257	Temporary reduction in power to clear test chamber
249-267	Operate engine No. 2 at 50-percent torque with EAPS closed.
267-277	Operate engine No. 2 at 50-percent torque with EAPS open.
279-293	Operate engines at matched N_g and average of 80-percent torque between engines
282-285	Temporary reduction in power to clear test chamber
301-325	Operate engines at nominal 100-percent torque
307-318	Temporary reduction in power to clear test chamber
301-320	Operate engine No. . with EAPS closed
321-325	Operate engines with matched N_g
321-325	Operate engine No. 2 with EAPS open.
326-346	Operate engines at flight idle with matched N_g.

CTR	Event
342	APP - start
346	Comm/nav equipment - OFF
347	Throttles - shutoff
352	AFCS - OFF
353	APP - shutdown
356	End test

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
1	0	5	*	0	*	0	10
2	0	24	*	*	*	0	7
3	0	43	0	0	*	0	7
4	1	2	*	*	*	0	7
5	1	21	0	0	*	0	7
6	1	40	*	0	*	0	7
7	1	59	*	0	*	0	8
8	2	18	0	0	*	0	7
9	2	37	*	*	*	0	8
10	2	57	*	0	*	0	7
11	3	16	0	*	*	*	6
12	3	35	*	0	*	0	7
13	3	54	*	0	*	0	7
14	4	13	0	0	*	0	8
15	4	32	0	0	*	0	8
16	4	51	*	0	*	0	7
17	5	10	0	*	*	0	7
18	5	29	*	0	*	0	6
19	22	28	0	*	*	*	6
20	6	7	0	0	*	*	6
21	6	26	0	0	*	*	6
22	6	45	*	*	*	*	7
23	7	4	0	0	*	0	8
24	7	23	0	*	*	*	8
25	24	22	0	0	*	*	7
26	8	1	0	0	*	0	7
27	8	20	0	*	*	*	8
28	8	39	*	*	*	0	7
29	8	58	0	0	*	*	7
30	9	17	*	*	*	0	7
31	9	36	*	0	*	0	8
32	9	55	*	*	*	0	8
33	10	14	*	0	*	0	8
34	10	33	*	*	*	0	6
35	27	32	*	*	*	0	7
36	11	11	0	*	*	0	6
37	11	30	0	0	*	*	-19
38	11	49	0	*	*	0	7
39	12	8	*	*	*	0	7
40	12	27	0	0	*	0	8
41	12	46	0	0	*	0	8
42	29	45	*	0	*	0	7
43	13	24	0	0	*	0	11
44	13	43	0	0	*	0	8
45	14	2	0	*	*	*	

HH-53C S/N 68-10354
CLINATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

1-06 ENG.1 FUEL FLOW	1-07 ENG.1 TORQUE	1-08 ENG.1 POWER TURB SPEED RPM	1-09 ENG.1 TURB INLET TEMP (T-5)	1-10 ENG.2 RPM (NG)	1-11 ENG.2 FUEL FLOW	1-12 ENG.2 TORQUE	1-13 ENG.2 POWER TURB SPEED RPM	1-1 ENG. TUR INLE TEM (T-5
PR GAL/HR	PERCNT	PERCNT	DEG.C	PERCNT	GAL/HR	PERCNT	PERCNT	DEG.
0	*	0	10	0	*	*	1	
*	*	0	7	0	*	*	0	
0	*	0	7	0	*	*	1	
*	*	0	7	0	*	*	0	
0	*	0	7	0	*	*	0	
0	*	0	7	0	*	*	1	
0	*	0	8	0	*	*	1	
0	*	0	7	0	*	*	1	
*	*	0	8	0	*	*	1	
0	*	0	7	0	*	*	1	
*	*	*	6	0	*	*	1	
0	*	0	7	0	*	*	1	
0	*	0	7	0	*	*	0	
0	*	0	8	0	*	*	0	
0	*	0	8	0	*	*	0	
0	*	0	7	*	*	*	1	
*	*	0	7	0	*	*	1	
0	*	0	6	0	*	*	1	
*	*	*	8	0	*	*	0	
0	*	*	6	0	*	*	0	
0	*	*	8	0	*	*	0	
*	*	*	7	0	*	*	1	
0	*	0	8	0	*	*	0	
*	*	*	8	0	*	*	0	
0	*	*	7	0	*	*	1	
0	*	0	7	0	*	*	0	
*	*	*	8	0	*	*	1	
*	*	0	7	0	*	*	1	
0	*	*	7	*	*	*	0	
*	*	0	7	0	*	*	1	
0	*	0	8	*	*	*	0	
*	*	0	8	0	*	*	0	
0	*	0	6	0	*	*	0	
0	*	0	5	0	*	*	0	
*	*	0	7	0	*	*	0	
0	*	*	6	0	*	*	1	
0	*	*	-10	0	*	*	0	
*	*	0	7	0	*	*	1	
0	*	0	7	0	*	*	1	
0	*	0	8	0	*	*	0	
0	*	0	8	0	*	*	0	
0	*	0	7	0	*	*	1	
0	*	0	11	0	*	*	1	
0	*	0	*	*	*	*	0	
*	*	*		0	*	*	0	

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1 EN T IN T (T DE
46	14	21	*	*	*	0	
47	14	40	*	*	*	0	
48	14	59	*	0	*	0	
49	31	58	*	*	*	0	
50	15	37	0	*	*	0	
51	15	56	0	0	*	0	
52	16	15	*	*	*	*	
53	16	34	*	0	*	0	
54	16	53	*	*	*	0	
55	17	12	0	*	*	0	
56	17	31	*	*	*	0	
57	17	50	0	0	*	0	
58	18	9	0	0	*	0	
59	18	28	0	*	*	*	
60	18	47	*	0	*	0	
61	19	6	*	0	*	0	
62	19	25	0	0	*	0	
63	19	44	*	*	*	*	
64	20	3	0	*	*	*	
65	20	22	*	0	*	0	
66	20	41	0	0	*	0	
67	21	0	*	0	*	0	
68	21	19	0	0	*	0	
69	21	38	*	*	*	0	
70	21	57	*	*	*	*	
71	22	16	0	0	*	0	
72	22	35	0	*	*	*	
73	22	54	0	0	*	*	
74	23	13	*	0	*	0	
75	23	32	0	*	*	0	
76	23	51	0	*	*	*	
77	24	10	*	0	*	0	
78	24	30	*	*	*	*	
79	24	49	0	0	*	0	
80	25	8	0	*	*	0	
81	25	27	0	0	*	*	
82	25	46	0	0	*	0	
83	26	5	0	*	*	0	
84	26	24	0	0	*	*	
85	26	43	0	*	*	0	
86	27	2	*	0	*	0	
87	27	21	0	*	*	0	
88	27	40	*	0	*	0	
89	27	59	*	*	*	*	
90	28	18	0	*	*	0	
92	28	56	0	0	*	0	
93	29	15	1	0	*	0	
94	29	34	*	0	*	0	
95	29	53	*	*	*	*	
96	30	12	*	*	*	0	

1-06 ENG.1 FUEL FLOW	1-07 ENG.1 TORQUE	1-08 ENG.1 POWER TURB SPEED RPM	1-09 ENG.1 TURB INLET TEMP (T-5)	1-10 ENG.2 RPM (NG)	1-11 ENG.2 FUEL FLOW	1-12 ENG.2 TORQUE	1-13 ENG.2 POWER TURB SPEED RPM	1-14 ENG.2 TURB INLET TEMP (T-5)
L/HR	PERCNT	PERCNT	DEG.C	PERCNT	GAL/HR	PERCNT	PERCNT	DEG.C
*	*	0	7	0	*	*	0	5
*	*	0	7	0	*	*	0	4
0	*	0	7	0	*	*	0	7
*	*	0	8	*	*	*	1	4
*	*	0	7	0	*	*	0	5
0	*	0	7	0	*	*	0	5
*	*	*	8	*	*	*	0	4
0	*	0	8	0	*	*	0	4
*	*	0	6	0	*	*	0	5
*	*	0	7	0	*	*	1	5
*	*	0	10	*	*	*	0	5
0	*	0	7	*	*	*	1	5
0	*	0	7	0	*	*	0	5
*	*	*	7	0	*	*	1	4
0	*	0	8	0	*	*	1	5
0	*	0	7	0	*	*	1	7
0	*	0	8	0	*	*	1	5
*	*	*	6	*	*	*	0	5
*	*	0	8	0	*	*	1	7
0	*	0	8	0	*	*	1	7
0	*	0	7	0	*	*	0	5
0	*	0	7	*	*	*	0	3
0	*	0	6	0	*	*	0	7
*	*	*	7	*	*	*	0	7
0	*	0	10	*	*	*	0	4
*	*	*	7	0	*	*	0	7
0	*	0	8	0	*	*	1	7
0	*	0	7	0	*	*	0	5
0	*	0	7	*	*	*	0	5
*	*	0	7	0	*	*	0	4
0	*	0	8	0	*	*	1	4
0	*	0	8	0	*	*	0	5
0	*	0	7	0	*	*	0	7
0	*	0	7	*	*	*	0	5
0	*	0	7	0	*	*	1	7
0	*	0	7	0	*	*	1	7
0	*	0	7	0	*	*	1	7
0	*	0	7	0	*	*	1	4
0	*	0	7	0	*	*	0	4
0	*	0	7	0	*	*	0	5
0	*	0	8	0	*	*	1	7
0	*	0	7	0	*	*	0	5
0	*	0	6	0	*	*	0	7
0	*	0	7	0	*	*	0	7
0	*	0	14	0	*	*	2	8
0	*	0	7	*	*	*	1	4
*	*	*	7	*	*	*	1	3
*	*	0	7	*	*	*	1	7

1-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1- ENG. TU INLE TE (T-1 DEG.
97	30	31	0	0	*	*	
98	30	50	*	*	*	*	
99	31	9	*	*	*	*	
100	31	28	0	0	*	*	
101	31	47	*	0	*	0	
102	32	6	0	0	*	*	
103	32	25	0	*	*	*	
104	32	44	0	*	*	0	
105	33	3	26	*	*	0	
106	33	22	12	*	*	0	1
107	33	41	2	*	*	*	1
108	34	0	*	*	*	*	1
109	34	19	*	*	*	*	1
110	34	38	0	*	*	0	1
111	34	57	0	*	*	0	1
112	35	16	0	0	*	0	1
113	35	35	0	*	*	*	1
114	35	54	*	*	*	0	1
115	36	13	0	*	*	0	1
116	36	32	*	*	*	*	1
117	36	51	*	0	*	*	1
116	37	10	*	*	*	0	1
119	37	29	0	0	*	0	1
120	37	48	0	0	*	0	1
121	38	7	0	*	*	0	1
122	38	26	*	0	*	0	1
123	38	45	0	*	*	*	1
124	39	4	*	*	*	0	1
125	39	23	0	*	*	*	1
126	39	42	*	*	*	0	1
127	40	1	0	*	*	0	1
128	40	20	0	*	*	0	1
129	40	39	0	0	*	0	1
130	40	58	0	0	*	0	1
131	41	17	*	*	*	*	1
132	41	36	*	*	*	0	1
133	41	55	0	*	*	*	1
134	42	14	0	*	*	0	1
135	42	33	26	9	*	0	1
136	42	52	59	42	*	*	3
137	43	11	59	40	*	0	4
138	43	30	60	39	*	0	4
139	43	49	59	37	*	*	4
140	44	8	59	37	*	0	4
141	44	27	28	3	*	0	2
142	44	46	7	*	*	*	1
143	45	5	1	*	*	0	1
144	45	24	0	0	*	*	1
145	45	43	0	0	*	0	1
146	46	2	0	*	*		

1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
0	*	*	7	0	*	*	0	4
*	*	*	7	*	*	*	0	5
*	*	*	7	*	*	*	0	5
0	*	*	7	0	*	*	0	5
0	*	0	7	0	*	*	1	7
0	*	*	7	0	*	*	0	7
*	*	*	7	0	*	*	0	5
*	*	0	7	0	*	*	0	5
*	*	0	8	*	*	*	0	4
*	*	0	12	*	*	*	0	4
*	*	*	14	*	*	*	0	4
*	*	*	12	*	*	*	0	5
*	*	*	14	*	*	*	0	5
*	*	*	11	*	*	*	0	4
*	*	0	15	*	*	*	1	4
0	*	0	12	14	27	*	1	7
*	*	0	14	27	*	*	1	8
*	*	*	12	7	*	*	0	10
*	*	0	12	0	*	*	0	10
*	*	0	12	0	*	*	0	12
0	*	*	14	0	*	*	0	9
*	*	*	14	*	*	*	1	10
0	*	0	11	*	*	*	0	9
0	*	0	12	0	*	*	0	10
*	*	0	12	0	*	*	1	10
0	*	0	12	*	*	*	1	10
*	*	*	14	0	*	*	0	8
*	*	0	12	0	*	*	0	12
*	*	*	14	0	*	*	1	10
*	*	*	14	0	*	*	1	10
*	*	0	12	0	*	*	0	12
*	*	0	11	0	*	*	1	12
0	*	0	12	*	*	*	0	10
0	*	0	11	*	*	*	1	10
*	*	*	11	0	*	*	1	10
*	*	0	14	0	*	*	0	9
*	*	*	12	*	*	*	0	9
*	*	0	11	0	*	*	1	10
9	*	0	12	0	*	*	0	10
42	*	*	376	0	*	*	0	10
40	*	*	441	*	*	*	0	9
39	*	0	456	0	*	*	0	10
37	*	0	463	*	*	*	0	9
37	*	*	467	*	*	*	0	9
3	*	0	410	0	*	*	0	8
*	*	0	256	0	*	*	0	6
*	*	*	191	0	*	*	0	8
0	*	0	171	*	*	*	1	10
0	*	*	172	9	39	*	0	9
*	*	0	1	40	55	*	0	74

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-51 DEG.C
147	46	21	*	*	*	*	185
148	46	40	*	*	*	*	190
149	46	59	0	0	*	0	190
150	47	18	0	*	*	*	193
151	47	37	*	0	*	0	193
152	47	56	*	0	*	0	195
153	48	15	*	0	*	0	193
154	48	34	0	*	*	0	194
155	48	53	*	0	*	0	194
156	49	12	*	*	*	0	193
157	49	31	0	*	*	*	191
158	49	50	*	*	*	*	189
159	50	9	0	*	*	*	186
160	50	28	0	*	*	0	185
161	50	47	*	*	*	0	183
162	51	6	*	*	*	*	181
163	51	25	*	*	*	0	181
164	51	44	*	*	*	0	178
165	52	3	0	*	*	0	176
166	52	22	*	*	*	0	174
167	52	41	*	*	*	0	172
168	53	0	*	0	*	*	170
169	53	19	0	*	*	0	166
170	53	38	0	*	*	0	165
171	53	57	*	0	*	0	164
172	54	16	*	0	*	0	162
173	54	35	*	*	*	0	161
174	54	54	*	*	*	*	161
175	55	13	0	0	*	*	161
176	55	32	*	*	*	0	159
177	55	51	*	*	*	*	159
178	56	10	*	*	*	*	159
179	56	29	*	*	*	*	157
180	56	48	*	*	*	0	157
181	57	7	0	*	*	*	15
182	57	26	*	*	*	*	15
183	57	45	*	*	*	0	14
184	58	4	*	*	*	0	14
185	58	23	*	*	*	*	14
186	58	42	0	*	*	*	14
187	59	1	*	*	*	0	14
188	59	20	*	0	*	*	14
189	59	39	21	3	*	*	13
190	59	58	59	38	7	13	39
191	60	17	59	37	5	24	43
192	60	36	60	36	4	29	44
193	60	55	59	38	4	31	45
194	61	14	60	36	4	32	45
195	61	33	76	69	21	47	42
196	61	52	81	99	23	58	44

1-06 ENG.1 FUEL FLOW	1-07 ENG.1 TORQUE	1-08 ENG.1 POWER TURB SPEED RPM	1-09 ENG.1 TURB INLET TEMP (T-5)	1-10 ENG.2 RPM (NG)	1-11 ENG.2 FUEL FLOW	1-12 ENG.2 TORQUE	1-13 ENG.2 POWER TURB SPEED RPM	1-14 ENG.2 TURB INLET TEMP (T-5)
GAL/HR	PERCNT	PERCNT	DEG.C	PERCNT	GAL/HR	PERCNT	PERCNT	DEG.C
*	*	*	185	62	44	*	0	412
*	*	*	190	62	42	*	0	446
0	*	0	190	62	42	*	0	457
*	*	*	193	62	42	*	0	462
0	*	0	193	41	23	*	0	433
0	*	0	195	8	*	*	0	260
0	*	0	193	1	*	*	1	192
*	*	0	194	0	*	*	0	172
0	*	0	194	*	*	*	0	170
*	*	0	193	*	*	*	0	175
*	*	*	191	0	*	*	0	180
*	*	*	189	0	*	*	0	184
*	*	*	186	*	*	*	0	186
*	*	0	185	*	*	*	0	186
*	*	0	183	*	*	*	0	186
*	*	*	181	*	*	*	0	186
*	*	0	181	*	*	*	0	186
*	*	0	178	*	*	*	0	186
*	*	0	176	*	*	*	0	185
*	*	0	174	*	*	*	1	184
*	*	0	172	0	*	*	0	182
0	*	*	170	*	*	*	0	181
*	*	0	166	0	*	*	0	180
*	*	0	165	*	*	*	0	177
0	*	0	164	*	*	*	0	177
0	*	0	162	*	*	*	1	175
*	*	0	161	*	*	*	0	172
*	*	*	160	*	*	*	0	170
0	*	*	161	*	*	*	0	166
*	*	0	158	*	*	*	0	166
*	*	0	158	*	*	*	1	162
*	*	*	156	0	*	*	1	161
*	*	*	153	*	*	*	1	158
*	*	0	151	*	*	*	0	160
*	*	*	151	*	*	*	0	157
*	*	*	151	*	*	*	0	153
*	*	0	147	0	*	*	0	153
*	*	0	147	*	*	*	0	151
*	*	*	146	*	*	*	0	150
*	*	*	146	*	*	*	0	150
*	*	0	143	0	*	*	0	147
0	*	*	143	0	*	*	1	146
3	*	*	136	*	*	*	0	145
38	7	13	391	*	*	*	0	142
37	5	24	432	0	*	*	0	141
36	4	29	447	0	*	*	0	142
38	4	31	453	*	*	*	0	136
36	4	32	456	*	*	*	0	140
69	21	47	424	0	*	*	1	137
99	23	68	443	*	*	*	0	137

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1- ENG TU INL TE (T- DEG
197	62	11	82	101	28	88	43
198	62	30	83	127	30	102	47
199	62	49	85	118	29	102	47
200	63	8	84	110	32	102	47
201	63	27	83	110	31	101	47
202	63	46	83	117	29	101	46
203	64	5	83	122	30	101	46
204	64	24	83	118	29	102	46
205	64	43	82	116	29	101	46
206	65	2	83	115	27	102	46
207	65	21	75	56	0	97	37
208	65	40	78	72	8	102	38
209	65	59	80	85	14	99	40
210	66	18	80	87	14	98	40
211	66	37	80	87	14	99	40
212	66	56	80	86	14	100	40
213	67	15	80	85	13	*	40
214	67	34	80	90	14	99	40
215	67	53	80	85	14	100	40
216	68	12	80	85	13	99	40
217	68	31	80	85	13	99	40
218	68	50	77	73	9	92	38
219	69	9	79	81	11	96	39
220	69	28	82	87	14	99	40
221	69	47	80	88	15	98	40
222	70	6	80	86	15	98	40
223	70	25	80	89	15	100	40
224	70	44	80	86	15	98	40
225	71	3	80	87	15	100	40
226	71	22	80	87	15	99	40
227	71	41	80	89	15	100	40
228	72	0	80	87	15	98	40
229	72	19	80	86	15	99	40
230	72	38	80	86	15	99	40
231	72	57	80	87	15	100	40
232	73	16	80	88	15	99	40
233	73	35	80	86	15	99	40
234	73	54	80	88	15	99	40
235	74	13	80	92	15	100	40
236	74	32	80	89	16	99	40
237	74	51	80	89	16	*	40
238	75	10	80	97	17	100	40
239	75	29	80	96	17	99	40
240	75	48	80	96	16	100	40
241	76	7	80	89	16	100	40
242	76	26	80	91	16	100	40
243	76	45	82	90	16	100	40
244	77	4	80	91	16	100	40
245	77	23	80	89	16	100	40
246	77	42	80	91	16	99	40

1-06 ENG.1 FUEL FLOW	1-07 ENG.1 TORQUE	1-08 ENG.1 POWER TURB SPEED RPM	1-09 ENG.1 TURB INLET TEMP (T-5)	1-10 ENG.2 RPM (NG)	1-11 ENG.2 FUEL FLOW	1-12 ENG.2 TORQUE	1-13 ENG.2 POWER TURB SPEED RPM	1-14 ENG.2 TURB INLET TEMP (T-5)
L/HR	PERCNT	PERCNT	DEG.C	PERCNT	GAL/HR	PERCNT	PERCNT	DEG.C
101	28	88	438	0	*	*	1	132
127	30	102	474	*	*	*	1	131
118	29	102	470	*	*	*	0	130
110	32	102	471	7	24	*	0	128
110	31	101	472	50	63	*	35	245
117	29	101	469	63	42	*	61	421
122	30	101	469	62	40	*	62	433
118	29	102	467	74	64	*	92	461
116	29	101	466	76	66	*	100	381
115	27	102	466	78	86	12	104	393
56	0	97	378	84	103	28	103	450
72	8	102	382	82	97	16	102	433
85	14	99	404	80	87	13	101	408
87	14	98	405	80	89	13	101	404
87	14	99	404	81	91	13	102	402
88	14	100	402	80	89	14	101	402
85	13	*	404	80	87	14	102	399
90	14	99	408	81	89	14	102	398
85	14	100	401	81	90	14	101	401
85	13	99	400	80	90	14	101	399
85	13	99	401	80	89	14	102	406
73	9	92	383	78	68	7	93	384
81	11	96	395	81	92	14	98	402
87	14	99	401	80	85	12	101	396
88	15	98	404	80	83	11	100	392
86	15	98	401	80	85	11	*	393
89	15	100	402	80	83	12	101	392
86	15	98	404	80	82	11	*	392
87	15	100	404	81	107	11	101	391
87	15	99	404	82	83	11	101	408
89	15	100	404	80	83	11	101	389
87	15	98	405	80	85	11	101	391
86	15	99	404	79	83	12	101	392
86	15	99	402	80	83	11	100	392
87	15	100	404	80	85	11	101	393
88	15	99	404	80	83	12	101	392
86	15	99	402	80	86	11	100	391
88	15	99	401	80	83	11	101	396
92	15	100	406	80	85	12	101	388
89	16	99	406	80	83	11	101	391
89	16	*	409	80	85	11	102	392
97	17	100	406	80	81	9	101	388
96	17	99	410	80	83	11	*	397
94	16	100	408	79	85	10	102	391
89	16	100	409	80	81	10	101	392
91	16	100	409	80	82	10	102	391
90	16	100	409	80	83	11	101	396
91	16	100	406	80	82	11	101	396
89	16	100	410	85	88	11	101	391
91	16	99	*	82	33	10	101	389

1-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
247	78	1	85	91	16	100	411
248	78	20	83	108	27	100	432
249	78	39	86	148	47	100	502
250	78	58	87	160	53	100	524
251	79	17	88	168	60	99	540
252	79	36	86	157	52	98	531
253	79	55	79	79	11	98	433
254	80	14	79	78	12	95	401
255	80	33	79	81	13	96	399
256	80	52	80	79	12	98	401
257	81	11	80	79	12	97	400
258	81	30	86	152	51	98	502
259	81	49	87	162	56	98	527
260	82	8	86	158	53	98	527
261	82	28	86	155	53	98	524
262	82	47	86	156	53	98	526
263	83	6	87	162	52	98	524
264	83	25	86	158	51	98	522
265	83	44	86	155	51	98	523
266	84	3	86	149	51	97	523
267	84	22	87	158	55	97	526
268	84	41	87	162	54	98	531
269	85	0	87	159	54	97	530
270	85	19	87	158	54	97	531
271	85	38	87	158	54	98	528
272	85	57	86	156	54	97	531
273	86	16	86	162	55	98	531
274	86	35	87	156	55	98	531
275	86	54	87	159	54	98	531
276	87	13	86	156	54	98	530
277	87	32	87	156	55	98	531
278	87	51	90	192	76	98	580
279	88	10	91	221	87	*	621
280	88	30	91	213	84	100	616
281	88	49	91	217	83	*	615
282	89	8	79	84	12	99	424
283	89	27	85	82	12	98	408
284	89	46	80	80	12	98	404
285	90	5	80	80	12	99	404
286	90	24	88	184	68	99	507
287	90	43	91	211	85	*	611
288	91	2	91	216	85	98	617
289	91	21	91	217	85	98	620
290	91	40	91	212	86	98	621
291	91	59	91	215	86	98	622
292	92	18	91	212	85	99	620
293	92	37	91	214	85	98	621
294	92	57	89	175	62	100	584
295	93	16	81	84	14	102	420
296	93	35	82	82	14	99	413

1-06 ENG.1 FUEL FLOW	1-07 ENG.1 TORQUE	1-08 ENG.1 POWER TURB SPEED RPM	1-09 ENG.1 TURB INLET TEMP (T-5)	1-10 ENG.2 RPM (NG)	1-11 ENG.2 FUEL FLOW	1-12 ENG.2 TORQUE	1-13 ENG.2 POWER TURB SPEED RPM	1-14 ENG.2 TURB INLET TEMP (T-5)
L/HR	PERCNT	PERCNT	DEG.C	PERCNT	GAL/HR	PERCNT	PERCNT	DEG.C
91	16	100	411	80	82	10	*	391
108	27	100	432	82	100	20	102	416
148	47	100	502	86	136	40	101	476
160	53	100	524	86	147	44	103	501
168	60	99	540	86	133	36	101	484
157	52	98	531	85	139	43	101	496
79	11	98	433	80	92	13	100	443
78	12	98	401	81	88	14	99	406
81	13	98	399	81	85	14	99	404
79	12	98	401	81	88	14	100	402
79	12	97	400	81	87	14	99	402
152	51	98	502	86	143	43	100	487
162	56	98	527	86	143	44	100	506
158	53	98	527	87	148	47	*	504
155	53	98	524	87	149	47	100	504
156	53	98	526	86	149	47	100	505
162	52	98	524	87	147	46	100	507
158	51	98	522	87	147	45	100	502
155	51	98	523	86	147	45	100	502
149	51	97	523	86	144	45	101	505
158	55	97	528	85	153	48	100	511
162	54	98	531	87	152	48	100	512
159	54	97	530	87	148	47	101	510
158	54	97	531	87	148	47	100	511
156	54	96	528	87	148	47	100	511
156	54	97	531	87	152	47	101	511
162	55	98	531	87	154	47	101	512
156	55	98	531	86	147	47	100	511
159	54	98	531	87	148	47	100	510
156	54	98	530	87	151	47	100	510
156	55	98	531	87	142	48	100	509
92	76	98	568	89	184	61	100	541
121	87	*	621	91	192	74	100	584
113	84	100	616	91	194	76	100	589
117	83	*	615	91	200	75	100	586
84	12	99	424	82	86	14	101	433
82	12	98	408	82	86	14	101	412
80	12	98	404	81	86	14	100	408
80	12	99	406	82	90	14	101	413
84	66	99	502	89	188	64	100	505
111	85	*	611	92	199	75	100	579
116	85	98	617	91	197	75	100	583
117	85	98	620	91	200	75	100	561
112	86	98	621	92	221	75	100	584
115	86	98	622	91	200	75	100	594
112	85	99	625	91	193	75	100	585
114	85	98	621	91	192	74	100	609
75	62	108	584	88	170	51	101	555
84	14	102	420	82	103	14	101	421
82	14	99	413	82	88	14	100	413

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
297	93	54	81	101	23	100	430
298	94	13	81	83	14	99	414
299	94	32	80	90	14	99	419
300	94	51	88	171	64	98	524
301	99	10	96	241	95	97	641
302	95	29	92	236	95	98	641
303	95	48	92	233	94	98	647
304	96	7	92	234	96	97	654
305	96	26	92	236	95	98	650
306	96	45	92	238	95	98	650
307	97	5	80	85	11	*	491
308	97	24	80	74	9	99	402
309	97	43	80	77	9	100	396
310	98	2	79	76	10	*	396
311	98	21	80	75	10	100	396
312	98	40	80	77	10	99	395
313	98	59	79	88	10	99	395
314	99	18	79	76	10	99	395
315	99	37	80	78	10	99	395
316	99	56	82	78	10	98	395
317	100	15	79	76	9	100	395
318	100	34	8	77	10	100	397
319	100	54	92	229	89	98	616
320	101	13	92	239	97	98	647
321	101	32	94	244	97	98	655
322	101	51	*	244	98	98	654
323	102	10	94	251	97	98	654
324	102	29	92	258	97	98	654
325	102	48	92	231	91	98	650
326	103	7	80	91	13	*	425
327	103	26	80	84	12	99	415
328	103	45	80	82	12	99	409
329	104	4	80	81	12	100	410
330	104	23	91	82	12	98	409
331	104	43	80	85	12	99	406
332	105	2	80	85	14	97	414
333	105	21	80	86	14	98	414
334	105	40	80	88	14	98	415
335	105	59	82	86	14	98	415
336	106	18	82	85	14	99	414
337	106	37	80	85	14	97	413
338	106	56	80	88	15	98	413
339	107	15	82	85	15	*	414
340	107	34	81	86	15	*	414
341	107	54	80	85	14	98	416
342	108	13	85	86	15	99	414
343	108	32	81	86	14	99	416
344	108	51	80	87	15	99	418
345	102	35	80	107	15	98	410
346	110	14	80	86	16	98	

1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
101	23	100	430	83	104	21	102	426
83	14	99	414	81	86	14	101	413
90	14	99	419	82	93	14	102	416
171	64	98	524	89	164	58	101	511
241	95	97	641	92	215	84	99	601
236	95	98	641	94	238	97	100	647
233	94	98	647	94	247	96	100	644
234	96	97	654	94	237	98	99	646
236	95	98	650	94	259	97	99	648
236	95	98	650	94	237	97	100	647
85	11	*	491	83	99	18	102	497
74	9	99	402	83	106	17	101	433
77	9	100	396	83	96	18	101	426
76	10	*	396	84	94	18	101	427
75	10	100	396	83	110	18	101	425
77	10	99	395	82	95	18	101	426
88	10	99	395	83	94	17	101	426
76	10	99	395	83	95	18	101	423
78	10	99	395	82	110	19	101	426
78	10	98	395	82	96	18	102	425
76	9	100	395	83	90	19	101	426
77	10	100	397	83	96	20	103	428
229	89	98	616	94	236	94	100	659
239	97	98	647	93	229	90	101	634
244	97	98	655	93	224	89	101	623
244	98	98	654	94	223	90	103	624
251	97	98	654	93	219	89	101	625
258	97	98	654	92	223	88	100	625
231	91	98	650	93	219	84	100	632
91	13	*	425	82	85	14	101	431
84	12	99	415	*	103	14	101	414
82	12	99	409	82	86	14	101	414
81	13	100	410	82	86	14	101	412
82	12	98	409	82	88	14	101	411
85	12	99	406	82	88	14	101	433
85	14	97	414	81	103	11	100	404
86	14	98	414	81	82	12	99	406
88	14	98	415	81	81	12	100	406
88	14	98	415	81	85	12	100	404
85	14	99	414	80	84	12	101	406
85	14	97	413	82	81	12	100	402
88	15	98	413	85	81	12	*	404
85	15	*	414	82	84	12	101	403
86	15	*	414	81	83	11	*	403
85	14	98	416	85	88	12	100	403
86	15	99	414	35	88	12	100	403
86	14	99	416	80	82	12	*	404
87	15	99	418	81	85	11	101	399
107	15	98	410	*	82	*	100	399
86	16	98	[illegible]	81	82	12	101	401

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
347	110	34	71	44	*	86	375
348	110	53	60	36	0	57	[illegible]
349	111	12	17	*	*	15	
350	111	31	6	0	*	7	227
351	111	50	7	*	*	*	189
352	112	9	*	*	*	*	183
353	112	28	0	0	*	*	190
354	112	48	*	*	*	*	200
355	113	7	*	*	*	0	212
356	113	26	*	*	*	*	216
357	*	*	*	*	*	*	*

1-06 ENG.1 FUEL FLOW	1-07 ENG.1 TORQUE	1-08 ENG.1 POWER TURB SPEED RPM	1-09 ENG.1 TURB INLET TEMP (T-5)	1-10 ENG.2 RPM (NG)	1-11 ENG.2 FUEL FLOW	1-12 ENG.2 TORQUE	1-13 ENG.2 POWER TURB SPEED RPM	1-14 ENG.2 TURB INLET TEMP (T-5)
AL/HR	PERCNT	PERCNT	DEG.C	PERCNT	GAL/HR	PERCNT	PERCNT	DEG.C
44	*	86	375	79	60	*	95	387
36	0	97	423	66	40	1	57	423
*	*	15	330	19	*	*	20	333
0	*	7	227	6	*	61	8	219
*	*	*	189	1	*	*	0	192
*	*	*	183	*	*	*	1	177
0	*	*	190	0	*	*	0	186
*	*	*	200	*	*	*	0	195
*	*	0	212	*	*	*	0	206
*	*	*	218	*	*	*	0	212
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-2 ENG. SCA PUM OUTLE PRES PSI
1	0	5	0	*	*	2	0
2	0	24	0	*	*	3	0
3	0	43	0	*	*	3	0
4	1	2	0	*	*	3	0
5	1	21	0	*	*	2	0
6	1	40	*	*	*	2	0
7	1	59	0	*	*	3	0
8	2	18	0	*	*	2	0
9	2	37	0	*	*	3	0
10	2	57	0	*	*	3	1
11	3	16	0	*	*	2	0
12	3	35	*	*	*	3	1
13	3	54	0	*	*	3	0
14	4	13	0	*	*	3	0
15	4	32	0	*	*	3	0
16	4	51	0	*	*	3	0
17	5	10	0	*	*	3	0
18	5	29	0	*	*	3	0
19	22	28	0	*	*	3	0
20	6	7	0	*	*	3	0
21	6	26	0	*	*	3	0
22	6	45	0	*	*	3	0
23	7	4	0	*	*	3	0
24	7	23	0	*	*	3	0
25	24	22	0	*	*	3	0
26	8	1	0	*	*	2	0
27	8	20	0	*	*	3	0
28	8	39	0	*	*	3	0
29	8	58	*	*	*	3	0
30	9	17	0	*	*	2	0
31	9	36	0	*	*	3	0
32	9	59	0	*	*	2	0
33	10	14	0	*	*	2	0
34	10	33	0	*	*	3	0
35	27	32	0	*	*	2	0
36	11	11	0	*	*	2	0
37	11	30	0	*	*	2	0
38	11	49	0	*	*	2	0
39	12	8	0	*	*	2	0
40	12	27	0	*	*	3	0
41	12	46	0	*	*	3	0
42	29	45	0	*	*	3	0
43	13	24	0	*	*	2	0
44	13	43	0	*	*	2	0
45	14	2	0	*	*	2	0

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
*	*	2	0	10	3	2	0	2
*	*	3	0	10	2	2	0	1
*	*	3	0	10	2	2	1	2
*	*	3	0	11	2	3	0	2
*	*	2	0	10	2	1	1	2
*	*	2	0	11	2	2	1	1
*	*	3	0	10	2	2	0	2
*	*	2	0	10	2	2	0	1
*	*	3	0	10	2	2	2	1
*	*	3	1	11	2	2	0	2
*	*	2	0	10	2	1	0	1
*	*	3	1	10	2	2	4	1
*	*	3	0	10	2	2	1	2
*	*	3	0	10	2	2	2	1
*	*	3	0	10	2	2	1	2
*	*	3	0	10	2	3	2	2
*	*	3	0	10	1	2	0	2
*	*	3	0	10	2	2	1	2
*	*	3	1	11	1	2	*	2
*	*	3	0	10	2	2	*	1
*	*	3	0	10	0	2	*	2
*	*	3	0	11	2	2	*	2
*	*	3	0	10	2	2	*	2
*	*	3	0	10	1	2	*	2
*	*	3	0	10	1	2	*	2
*	*	3	1	10	2	2	*	1
*	*	2	0	10	2	2	*	2
*	*	3	0	10	2	2	*	2
*	*	3	0	10	2	3	*	2
*	*	3	0	10	2	2	*	2
*	*	2	0	10	2	2	*	2
*	*	3	0	10	2	2	*	2
*	*	2	0	11	2	1	*	2
*	*	2	0	10	2	1	*	2
*	*	3	0	11	2	2	*	2
*	*	2	0	10	2	1	*	1
*	*	2	0	10	2	2	*	2
*	*	2	0	10	2	1	*	2
*	*	2	0	10	2	2	*	2
*	*	3	0	10	1	2	*	2
*	*	3	0	11	2	2	*	2
*	*	3	0	11	2	2	*	2
*	*	3	0	10	2	2	*	2
*	*	2	0	10	2	1	*	1
*	*	2	0	10	1	2	*	2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-2 ENG. SCA PUM OUTLE PRES PSI
46	14	21	0	*	*	3	0
47	14	40	*	*	*	3	0
48	14	59	*	*	*	3	0
49	31	58	0	*	*	3	0
50	15	37	0	*	*	3	0
51	15	56	0	*	*	3	0
52	16	15	0	*	*	3	0
53	16	34	0	*	*	2	0
54	16	53	0	*	*	3	0
55	17	12	*	*	*	3	0
56	17	31	0	*	*	3	0
57	17	50	0	*	*	1	1
58	18	9	0	*	*	2	0
59	18	28	*	*	*	2	0
60	18	47	0	*	*	3	0
61	19	6	0	*	*	2	0
62	19	25	0	*	*	2	0
63	19	44	0	*	*	3	0
64	20	3	0	*	*	3	0
65	20	22	0	*	*	3	0
66	20	41	*	*	*	3	0
67	21	0	0	*	*	3	0
68	21	19	*	*	*	2	0
69	21	38	0	*	*	2	0
70	21	57	0	*	*	3	0
71	22	16	0	*	*	3	0
72	22	35	0	*	*	3	0
73	22	54	0	*	*	3	0
74	23	13	0	*	*	3	0
75	23	32	0	*	*	3	0
76	23	51	0	*	*	3	0
77	24	10	0	*	*	3	0
78	24	30	0	*	*	3	0
79	24	49	*	*	*	3	0
80	25	8	0	*	*	2	0
81	25	27	*	*	*	2	0
82	25	46	0	*	*	2	0
83	26	5	*	*	*	1	0
84	26	24	0	*	*	2	0
85	26	43	0	*	*	1	0
86	27	2	0	*	*	3	0
87	27	21	*	*	*	3	0
88	27	40	0	*	*	2	0
89	27	59	*	*	*	2	0
90	28	18	0	*	*	3	0
92	28	56	0	*	*	3	0
93	29	15	0	*	*	3	0
94	29	34	0	*	*	2	0
95	29	53	*	*	*	2	0
96	30	12	0	*	*	2	0

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-2 ENG. BLEE AI PRES PSI
*	*	3	0	10	2	2	*	2
*	*	3	0	10	2	2	*	2
*	*	3	0	11	1	2	*	2
*	*	3	0	10	1	2	*	2
*	*	3	0	10	2	1	*	1
*	*	3	0	10	1	2	*	2
*	*	3	0	10	2	2	*	2
*	*	2	0	10	2	1	*	2
*	*	3	0	10	2	2	*	1
*	*	3	0	10	2	2	*	2
*	*	3	0	10	1	2	*	2
*	*	1	1	10	2	1	*	2
*	*	2	0	10	2	2	*	1
*	*	2	0	10	2	2	*	2
*	*	3	0	10	2	2	*	2
*	*	2	0	10	2	2	*	1
*	*	2	0	10	2	2	*	2
*	*	3	0	10	2	2	*	2
*	*	3	0	10	2	3	*	2
*	*	3	0	10	2	2	*	2
*	*	3	0	10	1	2	*	2
*	*	3	0	10	2	1	*	2
*	*	2	0	10	2	1	*	1
*	*	2	0	10	2	2	*	2
*	*	3	0	10	2	2	*	2
*	*	3	0	10	1	2	*	2
*	*	3	0	10	1	2	*	2
*	*	3	0	10	1	2	*	2
*	*	3	0	10	3	2	*	0
*	*	3	0	10	2	1	*	2
*	*	3	0	10	2	2	*	2
*	*	3	0	11	2	30	*	2
*	*	3	0	10	1	32	*	1
*	*	3	0	10	2	29	*	1
*	*	2	0	10	1	32	*	2
*	*	2	0	10	1	34	*	2
*	*	2	0	10	2	31	*	2
*	*	1	1	10	2	31	*	2
*	*	2	0	10	2	31	*	1
*	*	1	0	10	2	30	*	2
*	*	3	0	10	2	31	*	2
*	*	3	0	10	1	33	*	2
*	*	2	0	10	2	30	*	2
*	*	2	0	10	1	30	*	2
*	*	3	0	10	1	35	*	1
*	*	3	0	10	2	32	*	1
*	*	3	0	10	0	28	*	1
*	*	2	0	10	2	31	*	1
*	*	2	0	10	1	31	*	2
*	*	2	0	10	1	32	*	1

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-2 ENG. SCA PUM OUTLE PRES PSI
97	30	31	0	*	*	2	
98	30	50	0	22	22	3	
99	31	9	*	*	*	3	
100	31	28	0	*	*	2	
101	31	47	0	*	*	2	
102	32	6	*	*	*	2	
103	32	25	0	*	*	2	
104	32	44	0	*	*	2	
105	33	3	0	*	*	15	
106	33	22	*	*	*	3	
107	33	41	*	*	*	0	
108	34	0	*	*	*	1	
109	34	19	*	*	*	2	
110	34	38	0	*	*	2	
111	34	57	0	*	*	2	
112	35	16	*	*	*	2	
113	35	35	*	*	*	3	
114	35	54	*	*	*	3	
115	36	13	*	*	*	2	
116	36	32	*	*	*	2	
117	36	51	*	*	*	3	
118	37	10	0	72	71	3	
119	37	29	0	*	*	2	
120	37	48	0	*	*	3	
121	38	7	0	*	*	3	
122	38	26	0	*	*	3	
123	38	45	0	*	*	4	
124	39	4	*	*	*	3	
125	39	23	0	*	*	3	
126	39	42	0	*	*	3	
127	40	1	0	*	*	3	
128	40	20	0	*	*	3	
129	40	39	*	*	*	2	
130	40	58	*	*	*	3	
131	41	17	*	*	*	3	
132	41	36	0	*	*	2	
133	41	55	*	*	*	3	
134	42	14	0	*	*	3	
135	42	33	*	20	*	19	
136	42	52	*	20	*	47	
137	43	11	0	20	*	44	
138	43	30	0	20	*	42	
139	43	49	*	20	*	39	
140	44	8	0	20	*	37	
141	44	27	0	*	*	6	
142	44	46	0	*	*	*	
143	45	5	0	*	*	*	
144	45	24	*	*	*	0	
145	45	43	*	*	*	0	
146	46	2	0	*	19	0	

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
*	*	2	0	10	2	30	*	1
22	22	3	0	10	2	31	*	1
*	*	3	0	10	2	30	*	1
*	*	2	0	10	2	31	*	2
*	*	2	0	10	2	30	*	1
*	*	2	0	10	2	32	*	1
*	*	2	0	10	1	30	*	1
*	*	2	0	10	2	30	*	2
*	*	15	6	7	2	31	*	3
*	*	3	3	6	1	30	*	1
*	*	0	1	7	2	32	*	2
*	*	1	1	7	1	30	*	1
*	*	2	2	7	2	30	2	2
*	*	2	1	7	1	29	*	2
*	*	2	1	7	1	31	*	1
*	*	2	1	7	2	31	*	1
*	*	3	1	7	1	30	*	2
*	*	3	1	7	1	31	1	1
*	*	2	1	7	2	29	*	1
*	*	2	1	7	2	29	*	2
*	*	3	1	7	2	30	*	1
72	71	3	1	7	2	30	*	2
*	*	2	1	7	2	30	*	1
*	*	3	1	7	2	29	*	2
*	*	3	1	7	2	31	*	1
*	*	3	1	7	1	30	*	2
*	*	4	1	7	0	30	*	2
*	*	3	1	7	2	30	*	1
*	*	3	1	7	0	31	*	2
*	*	3	1	7	1	30	*	2
*	*	3	1	7	2	29	*	0
*	*	3	1	7	2	30	*	1
*	*	2	1	7	3	29	*	1
*	*	3	1	7	1	29	*	2
*	*	3	1	7	0	29	*	1
*	*	2	1	7	2	30	*	1
*	*	3	1	7	1	29	*	1
*	*	3	1	7	2	29	*	1
20	*	19	7	22	2	29	*	5
20	*	47	17	8	2	27	*	20
20	*	44	15	14	2	28	*	21
20	*	42	16	12	1	30	*	19
20	*	39	19	2	0	30	*	20
20	*	37	14	2	1	29	*	20
*	*	6	5	7	1	29	*	3
*	*	*	1	7	1	29	*	2
*	*	*	1	6	1	28	*	1
*	*	*	1	6	2	29	*	2
*	*	0	1	7	2	28	*	2
*	19	0	1	6	2	30	*	2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1- ENG SC PU OUTL PRE PS
147	46	21	*	*	19	0	
148	46	40	0	*	19	1	
149	46	59	*	*	19	2	
150	47	18	*	*	19	1	
151	47	37	*	*	*	2	
152	47	56	0	*	*	2	
153	48	15	0	*	*	2	
154	48	34	*	*	*	3	
155	48	53	*	*	*	2	
156	49	12	0	*	*	3	
157	49	31	*	*	*	3	
158	49	50	*	*	*	2	
159	50	9	*	*	*	3	
160	50	28	*	*	*	2	
161	50	47	*	*	*	2	
162	51	6	*	*	*	3	
163	51	25	*	*	*	2	
164	51	44	*	*	*	3	
165	52	3	0	*	*	2	
166	52	22	*	*	*	3	
167	52	41	0	*	*	3	
168	53	0	0	*	*	2	
169	53	19	0	*	*	2	
170	53	38	0	*	*	2	
171	53	57	*	*	*	3	
172	54	16	0	*	*	2	
173	54	35	*	*	*	2	
174	54	54	*	*	*	2	
175	55	13	*	*	*	2	
176	55	32	*	*	*	3	
177	55	51	0	*	*	3	
178	56	10	0	*	*	3	
179	56	29	0	*	*	3	
180	56	48	*	*	*	3	
181	57	7	*	*	*	3	
182	57	26	*	*	*	3	
183	57	45	*	*	*	1	
184	58	4	0	*	*	4	
185	58	23	*	*	*	2	
186	58	42	*	*	*	3	
187	59	1	0	*	*	2	
188	59	20	*	*	*	2	
189	59	39	*	20	*	9	
190	59	58	12	20	*	37	
191	60	17	25	20	*	35	
192	60	36	29	20	*	33	
193	60	55	31	20	*	34	
194	61	14	32	20	*	33	
195	61	33	48	39	*	52	
196	61	52	88	40	*	56	

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
*	19	0	1	7	1	29	*	2
*	19	1	1	6	2	28	*	2
*	19	2	0	6	2	28	*	1
*	19	1	1	6	2	28	*	1
*	*	2	1	6	2	27	*	1
*	*	2	1	6	2	28	*	2
*	*	2	1	6	2	27	*	2
*	*	3	1	6	1	29	*	1
*	*	2	1	6	2	29	*	0
*	*	3	0	6	1	27	*	2
*	*	3	0	7	1	29	*	2
*	*	2	0	6	2	27	*	0
*	*	3	0	6	1	27	*	2
*	*	2	1	6	2	25	*	2
*	*	2	0	7	2	28	*	2
*	*	3	0	7	1	26	*	2
*	*	2	0	6	1	29	*	1
*	*	3	1	6	2	26	*	1
*	*	2	1	7	2	24	*	1
*	*	3	0	7	1	25	*	2
*	*	3	0	6	1	26	*	2
*	*	2	0	6	2	25	*	0
*	*	2	0	6	3	26	*	0
*	*	2	0	6	1	27	*	1
*	*	3	1	7	3	27	*	1
*	*	2	0	7	1	26	*	2
*	*	2	0	7	2	26	*	1
*	*	2	0	6	2	26	*	2
*	*	2	0	6	1	27	*	1
*	*	3	0	6	2	26	*	1
*	*	3	0	6	2	27	*	2
*	*	3	0	7	1	27	*	1
*	*	3	1	6	1	27	*	1
*	*	3	0	6	2	29	*	0
*	*	3	0	7	2	26	*	0
*	*	3	0	7	2	27	*	1
*	*	1	0	6	2	26	*	0
*	*	4	0	7	0	27	*	2
*	*	2	0	6	2	26	*	1
*	*	3	0	6	1	27	*	0
*	*	2	0	6	2	27	*	1
*	*	2	0	7	2	27	*	1
20	*	9	4	7	1	29	*	4
20	*	37	13	4	5	26	*	19
20	*	35	14	4	15	26	6	20
20	*	33	13	16	19	24	10	19
20	*	34	14	8	18	27	12	20
20	*	33	16	16	20	26	12	20
39	*	52	17	19	47	26	37	74
40	*	56	21	20	67	26	55	78

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-2 ENG. SCA PUM OUTLE PRES PSI
197	62	11	90	69	*	58	22
198	62	30	102	96	*	57	18
199	62	49	103	96	*	56	20
200	63	8	103	96	*	57	19
201	63	27	103	96	19	55	19
202	63	46	102	96	19	56	20
203	64	5	102	96	19	52	21
204	64	24	103	97	36	54	21
205	64	43	103	96	77	54	1
206	65	2	103	94	93	49	1
207	65	21	102	77	95	44	1
208	65	40	101	85	80	48	1
209	65	59	100	84	81	50	1
210	66	18	100	84	81	49	1
211	66	37	100	84	81	50	1
212	66	56	100	84	81	49	1
213	67	15	100	84	81	50	1
214	67	34	100	84	81	51	1
215	67	53	101	84	81	49	1
216	68	12	101	84	81	49	2
217	68	31	100	84	81	48	1
218	68	50	93	63	59	48	1
219	69	9	97	78	76	48	2
220	69	28	99	84	80	50	1
221	69	47	100	84	80	51	1
222	70	5	100	84	80	49	1
223	70	25	*	84	79	51	1
224	70	44	99	84	80	52	1
225	71	3	100	84	80	50	1
226	71	22	100	84	80	51	1
227	71	41	99	84	80	50	2
228	72	0	100	84	80	50	1
229	72	19	100	85	79	51	1
230	72	38	99	84	80	50	1
231	72	57	100	84	79	49	2
232	73	16	100	84	80	48	1
233	73	35	99	84	79	51	2
234	73	54	101	85	80	50	1
235	74	13	101	85	80	50	1
236	74	32	101	85	81	50	1
237	74	51	100	85	81	50	1
238	75	10	100	85	80	52	1
239	75	29	100	85	81	49	1
240	75	48	100	85	79	51	1
241	76	7	100	85	80	51	1
242	76	26	100	85	80	50	1
243	76	45	100	85	79	51	1
244	77	4	98	85	79	51	1
245	77	23	102	85	80	50	1
246	77	42	100	85	79	51	1

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
69	*	58	22	20	67	27	55	90
96	*	57	18	22	72	24	48	93
96	*	56	20	22	71	28	49	93
96	*	57	19	21	71	25	49	95
96	19	55	19	21	71	28	49	95
96	19	56	20	21	69	26	50	93
96	19	52	23	21	70	26	49	93
97	36	54	23	21	71	25	49	93
96	77	54	18	21	72	25	50	93
94	93	49	19	20	71	25	50	67
77	95	44	18	19	70	25	49	49
85	80	48	17	21	69	28	54	71
84	81	50	18	20	69	26	60	72
84	81	49	18	22	71	26	59	72
84	81	50	18	19	71	26	57	73
84	81	49	19	21	69	26	56	73
84	81	50	17	22	69	27	57	72
84	81	51	19	22	69	26	57	72
84	81	49	19	18	69	25	57	73
84	81	49	21	20	69	27	59	72
84	81	49	17	17	68	26	58	73
63	59	48	17	20	66	24	57	62
78	75	48	21	20	69	27	58	71
84	80	50	18	21	67	26	56	74
84	80	51	18	20	69	27	58	74
84	80	49	18	21	71	27	57	75
84	79	51	17	21	69	26	57	73
84	80	52	18	20	69	27	56	75
84	80	50	19	21	69	30	56	75
84	80	51	17	21	69	27	57	74
84	80	50	21	21	69	28	56	75
84	80	50	17	21	69	25	58	75
85	79	51	19	20	72	26	58	75
84	80	50	17	21	70	25	55	75
84	79	49	20	19	69	24	58	73
84	80	48	18	19	69	26	58	75
84	79	51	20	20	69	27	58	74
85	80	50	18	20	69	28	56	76
85	80	50	21	21	71	26	57	76
85	81	50	18	21	69	26	54	76
85	81	50	18	21	68	26	55	77
85	80	52	18	20	68	27	56	77
85	81	49	18	20	69	27	55	76
85	79	51	18	21	69	26	55	77
85	80	51	18	21	69	28	55	78
85	80	50	18	18	67	29	55	78
85	79	51	18	21	69	26	55	78
85	79	51	20	18	69	24	55	77
85	80	50	16	20	69	29	56	76
85	79	51	18	22	67	27	55	76

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-2 ENG. SCA PUM OUTLE PRES PSI
247	78	1	100	85	80	50	18
248	78	20	101	85	79	54	20
249	78	39	100	85	81	56	21
250	78	58	101	85	81	56	20
251	79	17	99	82	77	56	21
252	79	36	100	78	77	55	18
253	79	55	99	79	77	48	19
254	80	14	98	79	77	47	19
255	80	33	99	79	77	48	18
256	80	52	99	79	77	48	18
257	81	11	98	79	77	51	17
258	81	30	98	79	75	57	23
259	81	49	*	78	75	57	21
260	82	8	99	78	75	54	20
261	82	28	99	78	75	55	21
262	82	47	98	77	75	57	21
263	83	6	98	78	75	55	21
264	83	25	98	77	75	54	21
265	83	44	99	77	75	54	21
266	84	3	98	78	75	55	21
267	84	22	99	77	75	57	21
268	84	41	98	78	75	55	21
269	85	0	98	78	75	55	21
270	85	19	99	78	75	55	21
271	85	38	98	77	75	56	21
272	86	57	99	77	75	55	21
273	86	16	99	77	75	57	21
274	86	35	99	78	75	56	21
275	86	54	98	78	75	58	21
276	87	13	98	78	75	55	21
277	87	32	100	78	75	57	21
278	87	51	98	82	78	61	21
279	88	10	99	82	80	60	21
280	88	30	98	82	79	59	21
281	88	49	99	82	79	60	21
282	89	8	99	83	79	48	19
283	89	27	100	83	79	48	21
284	89	46	99	83	79	49	21
285	90	5	99	82	79	47	21
286	90	24	99	82	79	59	21
287	90	43	98	82	78	61	21
288	91	2	99	82	78	62	21
289	91	21	98	82	78	60	21
290	91	40	*	82	78	60	21
291	91	59	98	82	78	61	21
292	92	18	98	82	78	60	21
293	92	37	98	82	78	57	21
294	92	57	101	82	78	52	21
295	93	16	100	82	78	48	21
296	93	35	100	82	78	48	21

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
35	80	50	18	20	69	28	55	77
85	79	54	20	21	68	27	55	94
85	81	56	21	21	71	27	54	112
35	81	56	20	22	70	26	55	115
82	77	56	21	23	68	26	55	121
78	77	55	18	22	68	27	57	112
79	77	48	18	22	66	26	55	69
79	77	47	19	18	67	26	54	70
79	77	48	18	20	66	26	57	69
79	77	48	16	22	68	24	57	71
79	77	51	17	20	68	28	57	69
79	75	57	20	22	69	26	56	118
78	75	57	23	21	67	29	57	114
78	75	54	20	24	66	27	56	112
78	75	55	24	23	67	26	56	113
77	75	57	21	22	65	26	55	114
78	75	55	20	20	68	26	56	114
77	75	54	20	21	68	26	57	114
77	75	54	20	24	69	27	57	113
78	75	55	22	24	66	26	55	113
77	75	57	20	21	66	25	56	115
78	75	55	22	24	67	28	57	115
78	75	55	22	21	66	28	57	114
78	75	55	23	24	65	26	54	116
77	75	56	24	21	68	29	57	115
77	75	55	20	21	65	29	56	116
77	75	57	21	21	66	26	57	114
78	75	56	24	21	66	27	58	116
78	75	56	24	21	66	26	57	116
78	75	55	22	21	67	29	56	115
78	75	57	24	21	68	26	56	116
82	78	61	23	24	67	27	57	135
82	80	60	21	22	66	26	55	143
82	79	59	21	23	66	25	59	141
82	79	60	22	22	66	26	58	140
83	79	48	19	20	66	25	55	69
83	79	48	20	22	69	26	57	69
83	79	49	21	20	66	26	57	69
82	79	47	20	20	66	26	57	70
82	79	59	21	21	65	29	56	136
82	78	61	23	23	68	25	55	142
82	78	62	21	23	65	24	55	142
82	78	60	24	21	67	26	56	142
82	78	60	22	22	66	26	56	142
82	78	61	23	22	69	24	57	142
82	78	60	23	22	67	24	57	142
82	78	57	21	23	66	28	56	142
82	78	52	20	22	66	26	53	99
82	78	48	18	18	67	27	55	73
82	78	48	20	18	66	27	55	73

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
297	93	54	102	82	78	51	19
298	94	13	100	82	78	48	19
299	94	32	101	82	78	48	20
300	94	51	98	82	78	60	24
301	95	10	99	80	79	63	23
302	95	29	98	80	82	61	25
303	95	48	99	80	82	60	24
304	96	7	98	81	82	61	25
305	96	26	98	80	82	61	23
306	96	45	98	81	82	60	26
307	97	5	100	81	81	48	18
308	97	24	100	81	81	45	19
309	97	43	100	81	81	45	17
310	98	2	100	81	81	46	20
311	98	21	100	81	81	46	20
312	98	40	100	81	81	48	19
313	98	59	100	81	81	45	18
314	99	18	100	81	81	48	23
315	99	37	100	81	81	47	20
316	99	56	100	81	81	46	17
317	100	15	100	81	81	48	19
318	100	34	102	81	81	49	18
319	100	54	99	81	82	61	20
320	101	13	99	83	81	63	23
321	101	32	100	83	81	63	24
322	101	51	99	83	81	61	25
323	102	10	100	83	81	63	22
324	102	29	99	83	81	61	24
325	102	48	100	83	81	60	27
326	103	7	100	84	81	46	19
327	103	26	98	84	81	48	20
328	103	45	100	83	81	47	20
329	104	4	100	83	81	48	22
330	104	23	100	83	81	48	22
331	104	43	100	84	81	46	18
332	105	2	99	80	77	49	18
333	105	21	100	83	79	48	19
334	105	40	98	83	79	49	18
335	105	59	98	83	79	48	21
336	106	18	99	83	79	49	19
337	106	37	99	83	79	50	19
338	106	56	99	83	79	49	20
339	107	15	100	83	79	49	18
340	107	34	99	83	79	48	20
341	107	54	99	83	79	49	18
342	108	13	100	83	79	48	20
343	108	32	*	83	79	51	20
344	108	51	100	83	79	49	20
345	102	35	100	83	79	52	19
346	110	14	100	83	79	50	

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-2 ENG. BLEE A PRES PSI
82	78	51	19	22	65	30	56	8
82	78	48	19	20	68	27	57	7
82	78	48	20	20	68	27	57	7
82	78	60	24	26	66	25	58	13
80	79	63	23	22	66	26	55	14
80	82	61	25	22	67	26	57	14
80	82	60	24	22	67	25	55	14
81	82	51	25	23	66	27	54	15
80	82	61	23	26	65	25	54	15
81	81	60	26	23	66	26	55	15
81	81	49	18	20	66	29	57	6
81	81	45	19	22	66	26	56	6
81	81	45	17	21	68	26	57	6
81	81	46	20	22	66	26	54	6
82	81	46	20	21	68	28	56	6
81	81	49	19	19	67	27	57	6
81	81	45	18	20	66	25	56	6
81	81	48	23	19	68	27	55	6
81	81	47	20	20	67	27	55	6
81	81	48	17	21	68	26	55	6
81	81	48	19	20	68	24	57	6
81	81	49	18	20	66	29	55	7
81	82	61	20	24	71	26	57	14
83	81	63	23	22	71	26	57	15
83	81	63	24	22	66	27	55	15
83	81	61	25	24	69	26	54	15
83	81	63	22	23	66	26	55	15
83	81	61	24	24	68	27	57	15
83	81	60	27	24	68	28	57	14
84	81	46	19	21	68	28	56	6
84	81	48	20	20	66	27	55	7
83	81	47	20	19	66	26	56	6
83	81	48	22	22	66	26	55	7
83	81	48	22	19	66	28	55	7
84	81	48	18	20	68	27	56	7
80	77	49	18	20	66	27	57	7
83	79	48	19	19	68	26	57	7
83	79	49	18	20	69	27	57	7
83	79	48	21	24	67	26	55	7
83	79	49	19	22	66	27	57	7
83	79	50	19	20	67	26	55	7
83	79	49	20	21	66	24	55	7
83	79	49	18	20	66	26	57	7
83	79	48	20	20	67	26	56	7
83	79	49	18	21	66	26	55	7
83	79	48	20	20	67	26	56	7
83	79	51	20	20	68	27	57	7
83	79	49	20	22	67	29	56	7
83	79	52	19	20	66	27	56	7
83	79	50	21	21	66	28	56	7

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
347	110	34	95	22	26	31	16
348	110	53	56	22	24	28	13
349	111	12	39	*	*	0	2
350	111	31	28	*	*	*	1
351	111	50	22	*	*	*	1
352	112	9	15	*	*	*	1
353	112	28	11	*	*	0	0
354	112	48	7	*	*	0	0
355	113	7	3	*	*	0	0
356	113	26	2	*	*	2	0
357	*	*	*	*	*	*	*

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
22	26	31	16	10	53	27	54	21
22	24	28	13	20	44	26	37	21
*	*	0	2	3	3	27	15	2
*	*	*	1	3	0	28	4	1
*	*	*	1	4	1	27	*	0
*	*	*	1	5	1	27	*	1
*	*	0	0	6	2	26	*	0
*	*	0	0	7	2	0	*	1
*	*	0	0	8	2	0	*	1
*	*	2	0	9	1	0	*	1
*	*	*	*	*	*	*	*	0

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
1	0	5	11
2	0	24	10
3	0	43	10
4	1	2	10
5	1	21	11
6	1	40	11
7	1	59	10
8	2	18	11
9	2	37	11
10	2	57	10
11	3	16	11
12	3	35	11
13	3	54	10
14	4	13	10
15	4	32	10
16	4	51	10
17	5	10	10
18	5	29	11
19	22	28	10
20	6	7	11
21	6	26	11
22	6	45	11
23	7	4	10
24	7	23	10
25	24	22	11
26	8	1	11
27	8	20	11
28	8	39	11
29	8	58	10
30	9	17	10
31	9	36	11
32	9	55	11
33	10	14	11
34	10	33	10
35	27	32	11
36	11	11	11
37	11	30	10
38	11	49	10
39	12	8	10
40	12	27	11
41	12	46	11
42	29	45	10
43	13	24	11
44	13	43	11

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
46	14	21	10
47	14	40	10
48	14	59	10
49	31	58	10
50	15	37	11
51	15	56	10
52	16	15	10
53	16	34	10
54	16	53	11
55	17	12	10
56	17	31	10
57	17	50	10
58	18	9	10
59	18	28	11
60	18	47	10
61	19	6	10
62	19	25	10
63	19	44	10
64	20	3	10
65	20	22	10
66	20	41	10
67	21	0	10
68	21	19	10
69	21	38	10
70	21	57	10
71	22	16	10
72	22	35	10
73	22	54	10
74	23	13	10
75	23	32	10
76	23	51	10
77	24	10	10
78	24	30	10
79	24	49	10
80	25	8	10
81	25	27	10
82	25	46	10
83	26	5	10
84	26	24	10
85	26	43	10
86	27	2	10
87	27	21	10
88	27	40	10
89	27	59	10
90	28	18	10
92	28	56	10
93	29	15	10
94	29	34	10
95	29	53	10
96	30	12	10

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
97	30	31	10
98	30	50	10
99	31	9	10
100	31	28	10
101	31	47	10
102	32	6	10
103	32	25	10
104	32	44	10
105	33	3	7
106	33	22	7
107	33	41	7
108	34	0	7
109	34	19	7
110	34	38	7
111	34	57	7
112	35	16	7
113	35	35	7
114	35	54	7
115	36	13	7
116	36	32	7
117	36	51	7
118	37	10	7
119	37	29	7
120	37	48	7
121	38	7	7
122	38	26	7
123	38	45	7
124	39	4	7
125	39	23	7
126	39	42	7
127	40	1	7
128	40	20	7
129	40	39	7
130	40	58	7
131	41	17	7
132	41	36	7
133	41	55	8
134	42	14	7
135	42	33	6
136	42	52	8
137	43	11	13
138	43	30	13
139	43	49	12
140	44	8	12
141	44	27	7
142	44	46	6
143	45	5	6
144	45	24	7
145	45	43	7
146	46	2	7

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
147	46	21	7
148	46	40	6
149	46	59	6
150	47	18	7
151	47	37	6
152	47	56	6
153	48	15	7
154	48	34	7
155	48	53	6
156	49	12	7
157	49	31	6
158	49	50	6
159	50	9	6
160	50	28	6
161	50	47	7
162	51	6	6
163	51	25	6
164	51	44	7
165	52	3	7
166	52	22	6
167	52	41	6
168	53	0	7
169	53	19	7
170	53	38	7
171	53	57	7
172	54	16	7
173	54	35	7
174	54	54	7
175	55	13	6
176	55	32	6
177	55	51	6
178	56	10	6
179	56	29	6
180	56	48	7
181	57	7	7
182	57	26	7
183	57	45	7
184	58	4	6
185	58	23	7
186	58	42	7
187	59	1	7
188	59	20	7
189	59	39	6
190	59	58	13
191	60	17	13
192	60	36	13
193	60	55	12
194	61	14	12
195	61	33	20
196	61	52	21

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
197	62	11	21
198	62	30	21
199	62	49	21
200	63	8	21
201	63	27	21
202	63	46	21
203	64	5	21
204	64	24	20
205	64	43	21
206	65	2	21
207	65	21	19
208	65	40	20
209	65	59	20
210	66	18	20
211	66	37	20
212	66	56	20
213	67	15	20
214	67	34	20
215	67	53	18
216	68	12	20
217	68	31	20
218	68	50	19
219	69	9	20
220	69	28	20
221	69	47	20
222	70	6	20
223	70	25	20
224	70	44	20
225	71	3	21
226	71	22	21
227	71	41	20
228	72	0	20
229	72	19	20
230	72	38	20
231	72	57	20
232	73	16	20
233	73	35	20
234	73	54	20
235	74	13	21
236	74	32	20
237	74	51	20
238	75	10	21
239	75	29	20
240	75	48	21
241	76	7	20
242	76	26	20
243	76	45	20
244	77	4	20
245	77	23	20
246	77	42	21

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
247	78	1	20
248	78	20	22
249	78	39	22
250	78	58	21
251	79	17	22
252	79	36	21
253	79	55	20
254	80	14	20
255	80	33	20
256	80	52	19
257	81	11	20
258	81	30	21
259	81	49	21
260	82	8	22
261	82	28	21
262	82	47	22
263	83	6	22
264	83	25	22
265	83	44	21
266	84	3	22
267	84	22	22
268	84	41	22
269	85	0	21
270	85	19	22
271	85	38	22
272	85	57	22
273	86	16	22
274	86	35	22
275	86	54	21
276	87	13	21
277	87	32	23
278	87	51	24
279	88	10	22
280	88	30	23
281	88	49	22
282	89	8	21
283	89	27	23
284	89	46	18
285	90	5	22
286	90	24	22
287	90	43	23
288	91	2	23
289	91	21	23
290	91	40	24
291	91	59	23
292	92	18	22
293	92	37	22
294	92	57	18
295	93	16	17
296	93	35	18

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
297	93	54	22
298	94	13	21
299	94	32	22
300	94	51	22
301	95	10	23
302	95	29	23
303	95	48	23
304	96	7	21
305	96	26	22
306	96	45	24
307	97	5	19
308	97	24	22
309	97	43	17
310	98	2	18
311	98	21	21
312	98	40	22
313	98	59	21
314	99	18	19
315	99	37	20
316	99	56	20
317	100	15	22
318	100	34	21
319	100	54	23
320	101	13	24
321	101	32	23
322	101	51	23
323	102	10	23
324	102	29	23
325	102	48	22
326	103	7	20
327	103	26	18
328	103	45	18
329	104	4	20
330	104	23	19
331	104	43	20
332	105	2	20
333	105	21	22
334	105	40	22
335	105	59	20
336	106	18	22
337	106	37	21
338	106	56	21
339	107	15	21
340	107	34	17
341	107	54	22
342	108	13	20
343	108	32	20
344	108	51	20
345	102	35	22

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
347	110	34	13
348	110	53	13
349	111	12	3
350	111	31	3
351	111	50	5
352	112	9	5
353	112	28	6
354	112	48	7
355	113	7	8
356	113	26	9
357	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
1	0	7	1	35	15	0	35
2	17	6	0	30	25	0	40
3	17	25	0	50	25	0	35
4	1	4	0	50	40	0	35
5	1	24	0	50	15	0	30
6	1	43	0	35	5	0	45
7	18	42	0	40	25	0	25
8	2	21	0	40	25	0	25
9	2	40	0	35	30	0	40
10	19	39	0	40	30	0	25
11	19	58	0	50	35	0	40
12	20	17	0	35	20	0	50
13	20	36	1	35	15	0	40
14	20	55	0	35	5	0	40
15	21	14	1	35	10	0	40
16	21	33	1	40	20	0	15
17	21	52	0	25	20	0	35
18	5	31	0	35	15	0	40
19	22	30	0	30	25	0	25
20	6	9	1	55	25	0	40
21	23	8	0	25	10	0	30
22	23	27	1	35	15	0	40
23	23	46	0	50	25	0	15
24	24	5	0	40	40	0	35
25	24	24	0	40	30	0	35
26	24	43	1	35	15	0	40
27	25	2	0	40	20	0	40
28	25	21	0	40	15	0	25
29	25	40	0	40	10	0	35
30	25	59	0	35	15	0	50
31	26	18	0	35	30	0	25
32	26	37	0	25	20	0	30
33	26	56	1	35	10	0	45
34	27	15	1	35	15	0	50
35	27	34	0	30	40	0	25
36	11	13	0	35	10	0	40
37	28	12	0	45	30	0	50
38	28	31	0	40	15	0	25
39	28	50	0	40	30	0	15
40	29	9	0	40	30	0	15
41	29	28	0	35	20	0	35
42	29	47	0	35	*	0	40
43	13	26	0	50	15	0	50
44	30	25	0	50	30	0	
45	30	44	0	25	20	0	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

2-06 TAGE HYD. PUMP LET ESS SIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
35	15	0	35	49	20	6	14	1
30	25	0	40	34	20	4	20	0
50	25	0	35	29	12	10	20	1
50	40	0	35	49	20	8	12	0
50	15	0	30	39	14	2	18	0
35	5	0	45	34	14	4	20	0
40	25	0	25	39	20	12	10	0
40	25	0	25	34	12	4	18	0
35	30	0	40	49	6	4	20	0
40	30	0	25	39	20	6	20	0
50	35	0	40	44	18	2	20	0
35	20	0	50	34	14	2	20	0
35	15	0	40	24	20	6	10	0
35	5	0	40	49	16	8	14	1
35	10	0	40	34	20	6	14	0
40	20	0	15	49	20	2	20	1
25	20	0	35	39	16	8	10	0
35	15	0	40	39	14	4	20	0
30	25	0	25	49	20	2	10	1
55	25	0	40	34	6	8	20	0
25	10	0	30	24	18	4	10	0
35	15	0	40	34	16	4	16	0
50	25	0	15	39	18	6	12	0
40	40	0	35	24	16	14	20	1
40	30	0	35	34	16	10	6	0
35	15	0	40	24	16	8	14	0
40	20	0	40	49	14	2	16	0
40	15	0	25	24	16	6	6	0
40	10	0	35	29	16	6	6	0
35	15	0	50	49	6	8	20	0
35	30	0	25	34	6	8	20	0
25	20	0	30	39	20	6	10	0
35	10	0	45	34	14	8	14	0
35	15	0	50	44	10	16	14	0
50	40	0	25	39	20	8	10	0
35	10	0	40	34	10	4	14	0
45	30	0	50	34	10	8	16	0
40	15	0	25	34	10	2	14	0
40	30	0	15	49	16	10	20	1
40	30	0	15	34	14	6	12	0
35	20	0	35	39	15	10	16	1
35	*	0	40	29	16	8	12	0
40	15	0	50	44	16	8	24	0
50	30	0	50	49	14	6	20	0
45	20	0	50	39	20	8	10	0

2-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
46	31	3	0	30	30	0	50
47	31	22	0	40	30	0	20
48	31	41	0	50	30	0	40
49	31	59	0	40	20	0	15
50	32	20	0	45	15	0	40
51	32	39	0	40	15	0	30
52	16	18	0	50	15	0	50
53	33	17	0	35	15	0	30
54	16	56	0	35	10	0	25
55	17	15	0	35	20	0	35
56	17	34	0	40	25	0	50
57	17	53	0	35	10	0	40
58	18	12	0	35	15	0	25
59	18	31	0	40	10	0	40
60	18	50	1	45	25	0	40
61	19	9	0	40	15	0	40
62	19	28	0	35	30	0	30
63	19	47	0	30	20	0	35
64	20	6	0	45	30	0	40
65	20	25	0	40	45	0	25
66	20	44	0	45	30	0	40
67	21	3	0	50	30	0	30
68	21	22	0	35	15	0	35
69	21	41	0	30	15	0	35
70	22	0	0	35	15	0	40
71	22	19	0	40	30	0	25
72	22	38	0	35	20	0	35
73	22	57	0	40	10	0	35
74	23	16	0	25	5	0	30
75	23	35	0	30	20	0	45
76	23	54	0	50	30	0	20
77	24	13	0	45	15	33	3125
78	24	32	0	40	15	36	3060
79	24	51	0	25	20	33	3050
80	25	10	0	40	25	40	3055
81	25	29	0	30	25	36	3065
82	25	48	0	50	15	23	3100
83	26	7	0	45	25	40	3100
84	26	26	0	40	15	27	3075
85	26	45	0	50	15	27	3115
86	27	4	0	40	20	41	3095
87	27	23	0	50	30	40	3080
88	27	42	1	45	20	22	3070
89	28	1	0	40	25	26	3010
90	28	20	*	*	*	*	*
92	28	58	1	35	25	27	3015
93	29	17	2	40	25	21	3100
94	29	36	0	30	15	33	3000
95	29	55	0	50	30	39	2920
96	30	14	0	30	20	24	3100

2-06 STAGE HYD. PUMP UTLET RESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
30	30	0	50	39	16	4	16	0
40	30	0	20	34	16	4	16	0
50	30	0	40	39	12	2	16	0
40	20	0	15	49	20	6	10	1
45	15	0	40	34	16	6	16	0
40	15	0	30	39	12	4	16	0
50	15	0	50	34	10	8	20	0
35	15	0	30	34	16	8	14	0
35	10	0	25	24	12	6	14	1
35	20	0	35	29	16	6	14	1
40	25	0	50	44	10	2	12	0
35	10	0	40	24	12	16	14	0
35	15	0	25	29	16	10	12	0
40	10	0	40	34	10	4	18	0
45	25	0	40	34	14	2	18	0
40	15	0	40	34	14	2	20	0
35	30	0	30	24	16	6	20	1
30	20	0	35	14	12	6	12	1
45	30	0	40	34	14	8	14	0
40	45	0	25	49	12	2	16	0
45	30	0	40	34	14	8	24	0
50	30	0	30	49	18	6	20	0
35	15	0	35	34	6	8	14	0
30	15	0	35	39	18	6	14	0
35	15	0	40	34	16	8	16	0
40	30	0	25	39	18	6	20	0
35	20	0	35	49	20	6	14	1
40	10	0	35	24	16	10	12	0
25	5	0	30	24	12	6	14	1
30	20	0	45	44	16	6	14	0
50	30	0	20	49	14	4	24	0
35	15	33	3125	3041	44	40	54	30
40	15	36	3065	3031	42	34	48	31
25	20	33	3060	3031	52	34	48	28
40	25	40	3055	3031	50	40	46	27
30	25	36	3065	3021	50	32	46	30
50	15	23	3100	3026	44	38	54	29
45	25	40	3100	3026	42	40	48	29
40	15	27	3005	2996	42	40	46	30
50	15	27	3100	3006	42	30	52	30
40	20	41	3055	3026	42	40	50	30
50	30	40	3050	3011	42	34	46	30
45	20	22	3070	3016	42	40	46	32
40	25	26	3010	3001	42	40	50	30
*	*	*	*	*	*	*	*	*
35	25	27	3015	3016	44	36	52	31
40	25	21	3100	2996	42	40	54	32
30	15	33	3000	3016	48	36	50	32
50	30	39	2920	3016	48	38	48	31
40	20	24	3100	2981	1059	1051	46	30

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
97	30	33	1	45	10	36	1885
98	30	52	0	25	20	40	3050
99	31	11	0	40	15	33	2880
100	31	30	0	45	5	40	3100
101	31	49	0	35	5	40	3025
102	32	8	0	35	15	23	3050
103	32	27	0	35	10	27	3025
104	32	46	0	40	25	33	3025
105	33	5	0	20	15	36	3070
106	33	24	0	35	20	40	3075
107	33	43	0	25	20	40	3000
108	34	2	0	40	25	36	3100
109	34	21	0	40	30	26	3100
110	34	40	0	40	20	42	3025
111	34	59	0	50	30	30	2950
112	35	18	0	35	15	22	3050
113	35	37	0	40	20	40	3025
114	35	56	0	40	25	20	3005
115	36	15	0	35	10	22	3005
116	36	34	0	40	20	33	3075
117	36	53	0	15	10	39	3055
118	37	12	0	40	20	40	3120
119	37	31	1	30	5	32	3140
120	37	50	0	40	15	26	2920
121	38	9	0	40	40	39	3005
122	38	28	0	30	20	40	3100
123	38	47	0	40	20	32	2880
124	39	6	1	35	5	20	2955
125	39	25	0	40	20	33	3080
126	39	44	0	50	30	40	3000
127	40	3	1	50	25	36	2920
128	40	22	1	30	10	27	3025
129	40	41	0	35	15	33	3055
130	41	0	0	20	15	33	2920
131	41	19	0	30	30	32	2885
132	41	38	1	50	15	40	3025
133	41	57	1	30	20	21	3055
134	42	16	0	20	20	26	3100
135	42	35	1	15	15	40	3010
136	42	54	1	30	5	33	3055
137	43	13	0	50	30	40	3100
138	43	32	1	35	15	39	3055
139	43	51	0	50	20	35	3025
140	44	10	1	45	15	39	3005
141	44	29	1	30	15	24	3080
142	44	48	1	35	20	32	2885
143	45	7	1	40	25	22	3045
144	45	26	1	35	10	35	3025
145	45	45	1	50	5	40	3025
146	46	4	1	60	20	32	3[illegible]

2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
45	10	36	1885	1580	1061	1053	52	32
25	20	40	3050	2981	1051	1051	48	30
40	15	33	2880	3001	1055	1049	52	32
45	5	40	3100	2986	1055	1053	52	31
35	5	40	3025	2991	1051	1049	46	31
35	15	23	3050	2991	1051	1051	50	31
35	10	27	3025	2981	1053	1055	46	30
40	25	33	3025	2981	1047	1047	56	28
20	15	34	3070	2991	1055	1045	64	27
35	20	40	3075	2986	1061	1047	46	31
25	20	40	3000	2981	1047	1041	48	30
40	25	36	3100	2981	1055	1041	48	30
40	30	26	3100	2981	1051	1043	48	30
40	20	42	3025	2981	1049	1041	46	29
50	30	30	2950	2981	1051	1039	48	30
35	15	22	3050	2962	1049	1045	54	32
40	20	40	3025	2981	1045	1041	44	33
40	25	20	3005	2877	1047	1047	50	31
35	10	22	3005	3001	1057	1043	48	32
40	20	33	3075	2981	1049	1041	46	27
15	10	39	3055	2981	1049	1041	44	29
40	20	40	3120	2917	1035	1033	46	30
30	5	32	3140	2718	1041	1047	50	30
40	15	26	2920	2986	1047	1037	56	28
40	40	39	3005	2981	1039	1041	44	29
30	20	40	3100	2981	1039	1039	44	31
40	20	32	2880	2957	1045	1037	56	27
35	5	20	2955	2962	1041	1035	50	32
40	20	33	3080	2872	1043	1033	46	28
50	30	40	3000	2981	1035	1031	52	32
50	25	36	2920	2981	1041	1035	52	29
30	10	27	3025	2981	1041	1039	46	29
35	15	33	3055	2957	1045	1033	42	28
20	15	33	2920	2981	1049	1037	48	30
30	30	32	2885	2967	1041	1029	48	32
50	15	40	3025	2981	1031	1029	50	30
30	20	21	3055	2977	1035	1031	48	29
25	20	26	3100	2981	1041	1031	44	29
15	15	40	3010	2972	1037	1033	46	32
30	5	33	3055	2937	1041	1033	48	30
50	30	40	3100	2962	1035	1027	48	30
35	15	39	3055	2947	1037	1031	44	28
50	20	35	3025	2952	1041	1033	42	29
45	15	39	3085	2957	1035	1031	48	28
30	15	24	3080	2967	1031	1023	48	30
35	20	32	2885	2947	1027	1023	48	28
40	25	22	3045	2962	1033	1029	52	30
35	10	35	3025	2962	1027	1027	44	27
50		40	3025	2957	1029	1027	54	27
60	20	32	30	2967	1041	1027	54	27

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-0 2STAG HYD PUM OUTLE PRES PSI
147	46	23	1	40	25	40	3025
148	46	42	1	60	20	24	3050
149	47	1	1	40	30	33	2885
150	47	20	1	25	15	26	3010
151	47	39	1	35	15	34	3020
152	47	58	1	45	15	33	2990
153	48	17	1	40	5	40	3025
154	48	36	1	35	5	40	3000
155	48	55	1	25	10	33	2880
156	49	14	1	50	15	40	2975
157	49	33	1	25	40	33	3050
158	49	52	1	25	5	40	3000
159	50	11	1	25	10	36	2870
160	50	30	1	25	20	32	3100
161	50	49	1	25	20	26	3100
162	51	8	2	35	15	31	3059
163	51	27	2	50	20	26	3100
164	51	46	1	25	10	40	3000
165	52	5	1	35	10	22	3009
166	52	24	1	25	20	32	3010
167	52	43	2	45	20	36	3040
168	53	2	1	25	10	27	3320
169	53	21	1	30	10	23	3009
170	53	40	1	30	0	40	3010
171	53	59	1	15	0	22	3050
172	54	18	1	30	15	32	3100
173	54	37	1	30	5	33	3050
174	54	56	1	25	5	32	2880
175	55	15	1	15	0	32	2920
176	55	34	1	15	5	40	2990
177	55	53	2	45	15	33	2880
178	56	12	1	25	15	40	2990
179	56	31	1	40	20	39	3680
180	56	50	1	30	5	33	3030
181	57	9	1	15	0	27	302
182	57	28	1	20	15	32	299
183	57	47	2	30	5	33	2880
184	58	6	1	40	15	22	3040
185	58	25	1	35	0	22	3010
186	58	44	1	30	5	40	2990
187	59	3	1	45	10	40	3020
188	59	22	1	15	5	33	3000
189	59	41	1	25	5	21	2990
190	60	0	31	2830	2810	33	3050
191	60	19	35	2925	2870	26	3010
192	60	38	29	2900	35	24	2960
193	60	57	*	2695	2681	13	2860
194	61	16	30	2935	2891	36	2870
195	61	35	35	3031	2951	26	3020
196	61	54	33	3131	3012	22	3080

2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
40	25	40	3025	2972	1033	1027	48	30
60	20	24	3050	2967	1033	1029	48	31
40	30	33	2885	2977	1031	1027	48	32
25	15	26	3010	2947	1029	1031	42	29
35	15	34	3020	2981	1031	1023	42	31
45	15	33	2990	2962	1027	1027	42	29
40	5	40	3025	2957	1029	1027	42	29
35	5	40	3000	2947	1027	1027	42	31
25	10	33	2880	2937	1027	1031	44	28
50	15	40	2975	2952	1027	1023	44	34
25	40	33	3050	2942	1031	1021	42	30
25	5	40	3000	2972	1029	1021	42	29
25	10	36	2870	2952	1033	1025	40	30
25	20	32	3100	2972	1027	1025	40	32
25	20	26	3100	2972	1029	1021	48	29
35	15	31	3055	2972	1023	1027	42	29
50	20	26	3100	2972	1025	1013	40	28
25	10	40	3000	2947	1023	1031	38	29
35	10	22	3005	2962	1027	1031	42	27
25	20	32	3010	2952	1025	1017	44	28
45	20	36	3040	2962	1023	1023	44	29
25	10	27	3020	2962	1023	1023	42	30
30	10	23	3005	2942	1021	1027	42	30
30	0	40	3010	2952	1021	1023	34	29
15	0	22	3050	2947	1023	1027	40	30
30	15	32	3100	2907	1025	1019	40	29
30	5	33	3050	2937	1021	1027	42	31
25	5	32	2880	2947	1025	1017	40	29
15	0	32	2920	2937	1029	1023	40	28
15	5	40	2990	2932	1025	1021	40	30
45	15	33	2880	2972	1023	1015	40	30
25	15	40	2990	2972	1027	1023	44	30
40	20	39	3005	2967	1027	1015	42	30
30	5	33	3030	2942	1029	1021	34	28
15	0	27	3020	2952	1029	1019	40	30
20	15	32	2990	2952	1027	1017	48	27
30	5	33	2885	2937	1021	1015	42	30
40	15	22	3040	2952	1025	1023	44	32
35	0	22	3015	2947	1021	1023	34	30
38	5	40	2995	2952	1021	1021	34	28
45	10	40	3025	2942	1029	1021	40	30
15	5	33	3005	2942	1021	1021	34	27
25	5	21	2995	2942	1029	1013	44	27
2839	2816	33	3030	2957	1023	1019	44	30
2925	2876	26	3010	2937	1029	1025	34	34
2990	35	24	2960	2569	1021	1019	38	30
2895	2861	13	2865	2981	26	6	40	32
2935	2891	36	2870	2917	1021	1019	38	30
3031	2951	26	3020	2957	1023	1019	38	30
3131	3012	22	3005	2808	1029	1023	34	29

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
197	62	13	33	2980	3022	22	3005
198	62	32	42	3081	3032	32	3005
199	62	51	17	3041	2976	17	2960
200	63	10	42	3031	2991	40	2970
201	63	29	32	3046	2976	26	2970
202	63	48	25	2995	2976	40	2970
203	64	7	43	3031	3017	26	3010
204	64	26	34	3041	2976	38	2990
205	64	45	25	3041	2976	23	2975
206	65	4	29	3015	3022	32	3000
207	65	23	22	3031	3012	34	3010
208	65	42	31	3020	2986	33	3050
209	66	1	40	2945	2976	30	3025
210	66	20	31	3020	3032	26	2880
211	66	39	35	2980	2976	33	3055
212	66	58	44	3041	2966	33	3010
213	67	17	32	3041	3032	40	3000
214	67	36	21	3066	2961	22	2975
215	67	55	37	2980	2971	21	2990
216	68	14	21	3066	3012	21	2990
217	68	33	34	3000	2976	23	3100
218	68	52	40	3010	3012	40	3040
219	69	11	29	3015	3001	33	3020
220	69	30	33	3066	2981	20	3005
221	69	49	26	2975	3012	31	2880
222	70	8	48	3041	2976	36	3025
223	70	27	35	3066	3017	40	2990
224	70	46	41	2980	3012	33	2870
225	71	5	31	2980	3012	22	3050
226	71	24	30	3065	2971	24	2955
227	71	43	30	2970	3017	23	3040
228	72	2	40	3041	2971	27	3025
229	72	21	24	3061	3052	25	3100
230	72	40	48	2980	2971	40	3045
231	72	59	29	2980	2971	32	3000
232	73	18	35	3020	3012	32	2975
233	73	37	41	2980	2976	40	3000
234	73	56	35	3020	2971	40	2990
235	74	15	27	2930	2976	40	2885
236	74	34	34	3041	2986	24	3100
237	74	53	22	2980	2971	32	2990
238	75	12	35	2980	2971	40	3025
239	75	31	33	2895	3012	27	3095
240	75	50	48	2965	3012	26	3055
241	76	9	41	2935	2976	32	2920
242	76	28	40	2965	3012	34	3005
243	76	47	27	2980	2981	33	3000
244	77	6	40	3066	2966	38	3100
245	77	25	40	2975	3017	33	3000
246	77	44	29	3015	3012	33	3

2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
2980	3022	22	3005	2947	1027	1017	40	27
3061	3032	32	3005	2932	1023	1021	40	29
3041	2976	17	2960	2952	1027	1019	40	29
3031	2991	40	2970	2937	1023	1023	48	27
3046	2976	26	2970	2927	1029	1013	40	32
2995	2976	40	2970	2942	1027	1015	44	29
3031	3017	26	3010	2937	1021	1023	34	28
3041	2976	38	2990	2942	1029	1021	40	29
3041	2976	23	2975	2947	1023	1023	42	30
3015	3022	32	3000	2947	1025	1017	34	31
3031	3012	34	3010	2947	1025	1025	38	30
3020	2986	33	3090	2942	1025	1013	40	27
2945	2976	30	3025	2952	1027	1023	38	30
3020	3032	26	2980	2937	1037	1031	34	27
2980	2976	33	3055	2957	1031	1017	36	29
3041	2960	33	3010	2942	1023	1021	34	30
3041	3032	40	3000	2942	1029	1029	40	28
3066	2961	22	2975	2937	1021	1021	40	28
2980	2971	21	2990	2972	1031	1019	36	30
3066	3012	21	2990	2932	1029	1027	34	29
3000	2976	23	3100	2937	1033	1021	40	28
3010	3012	40	3040	2952	1023	1013	40	30
3015	3001	33	3020	2962	1027	1019	32	30
3066	2981	20	3005	2937	1033	1021	36	29
2975	3012	31	2980	2937	1027	1021	34	30
3041	2976	36	3025	2972	1035	1021	36	29
3066	3017	40	2990	2972	1025	1021	36	27
2980	3012	33	2970	2952	1023	1023	34	27
2980	3012	22	3050	2932	1027	1021	32	30
3066	2971	24	2955	2947	1029	1021	32	28
2970	3017	23	3040	2952	1031	1021	40	31
3041	2971	27	3025	2947	1021	1019	34	29
3061	3052	25	3100	2962	1027	1023	38	30
2980	2971	40	3045	2947	1025	1019	34	27
2980	2971	32	3000	2942	1029	1017	34	30
3020	3012	32	2975	2942	1025	1023	30	29
2980	2976	40	3000	2957	1029	1023	38	28
3020	2971	40	2990	2972	1035	1021	36	27
2930	2976	40	2985	2937	1035	1013	36	30
3041	2986	24	3100	2947	1027	1017	30	31
2980	2971	32	2990	2947	1027	1023	34	27
2980	2971	40	3025	2981	1027	1023	34	30
2995	3012	27	3055	2972	1029	1021	36	29
2965	3012	26	3055	2972	1029	1027	36	29
2935	2976	32	2980	2942	1033	1023	30	30
2965	3012	34	3005	2932	1023	1031	33	30
2980	2981	33	3000	2932	1029	1027	30	30
3066	2966	38	3100	2952	1027	1025	36	28
2975	3017	33	3000	2981	1037	1021	34	31
3015	3012	33	3	2957	1029	1021	32	30

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
247	78	3	26	2980	2961	33	3040
248	78	22	29	3031	2981	31	3010
249	78	41	22	2990	3017	31	3100
250	79	0	25	3041	3012	33	3040
251	79	19	32	2965	2981	33	3060
252	79	38	29	2965	2981	40	3060
253	79	58	34	2980	3032	21	3005
254	80	17	49	2880	2936	21	2905
255	80	36	35	2980	2976	33	3070
256	80	55	40	3020	2981	27	2875
257	81	14	33	2970	2971	32	3010
258	81	33	31	2935	3017	33	3005
259	81	52	29	2980	3032	27	2875
260	82	11	35	2980	3012	34	2865
261	82	30	41	3020	2956	33	3025
262	82	49	35	2980	3012	21	3070
263	83	8	29	2935	3052	26	3025
264	83	27	40	2895	3017	41	3100
265	83	46	22	3066	3012	40	3000
266	84	5	29	3020	2961	32	3080
267	84	24	25	2980	2981	27	3040
268	84	43	31	3061	2961	32	3050
269	85	2	32	2980	2981	33	3025
270	85	21	32	2960	2981	27	3010
271	85	40	32	3066	3012	34	2920
272	85	59	29	3020	2956	21	3085
273	86	18	35	2935	3012	40	3050
274	86	37	18	3006	2961	35	3025
275	86	56	34	3061	297[illegible]	32	3060
276	87	16	26	2980	2981	40	3100
277	87	35	33	3020	2971	27	2865
278	87	54	34	2980	2981	33	3050
279	88	13	32	2980	3012	27	3060
280	88	32	21	2988	2946	40	2870
281	88	51	40	3066	2976	33	3060
282	89	10	21	3020	2976	40	3050
283	89	29	21	2980	2971	36	2955
284	89	48	41	2945	2986	32	3025
285	90	7	37	2990	2976	24	3060
286	90	26	33	2980	3002	24	3050
287	90	45	34	3020	3017	32	3005
288	91	4	29	2935	2976	41	3050
289	91	24	27	3041	3017	36	3060
290	91	43	32	3026	2976	36	3070
291	92	2	36	2935	2991	34	3020
292	92	21	40	2945	2971	41	3025
293	92	40	21	2985	2971	27	3050
294	92	59	37	3020	2971	40	3110
295	93	18	26	2975	3052	36	3070
296	93	37	32	2980	2976	22	2920

2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
2980	2961	33	3040	2957	1025	1027	40	28
3031	2981	31	3010	2962	1035	1021	40	30
2990	3017	31	3100	2981	1041	1031	38	30
3041	3012	33	3040	2967	1029	1027	40	30
2965	2981	33	3060	2986	1027	1027	40	30
2965	2981	40	3060	2952	1033	1017	30	28
2980	3032	21	3005	2972	1039	1021	40	28
2880	2936	21	2905	2991	1033	1019	36	29
2980	2976	33	3070	2977	1027	1027	32	29
3020	2981	27	2875	2962	1029	1023	38	31
2970	2971	32	3010	2947	1035	1031	40	30
2935	3017	33	3005	2962	1031	1021	40	29
2980	3032	27	2875	2962	1029	1023	36	27
2980	3012	34	2865	2977	1027	1027	40	26
3020	2956	33	3025	2937	1029	1027	34	29
2980	3012	21	3070	2947	1033	1033	34	28
2935	3052	26	3025	2942	1015	1023	38	28
2895	3017	41	3100	2957	1025	1027	32	27
3066	3012	40	3000	2952	1021	1027	26	29
3020	2961	38	3080	2947	1029	1025	34	29
2980	2981	27	3040	2962	1029	1021	34	32
3061	2961	32	3050	2981	1029	1027	34	31
2980	2981	33	3025	2977	1035	1019	34	30
2980	2981	27	3010	2962	1033	1021	36	29
3066	3012	34	2920	2981	1025	1013	40	29
3020	2956	21	3005	2962	1023	1023	36	28
2935	3012	40	3050	2981	1029	1023	38	29
3066	2961	35	3025	2981	1029	1019	34	27
3061	2976	32	3060	2981	1025	1019	34	30
2980	2981	40	3100	2962	1025	1023	38	29
3020	2971	27	2865	2947	1023	1027	34	30
2980	2991	33	3050	3001	1033	1019	40	30
2980	3012	27	3060	2947	1025	1019	34	30
2980	2946	40	2870	2947	1023	1021	36	30
3066	2976	33	3060	2981	1033	1019	40	30
3020	2976	40	3050	2972	1027	1021	34	31
2980	2971	36	2955	2962	1029	1019	34	32
2945	2986	32	3025	2977	1027	1027	40	29
2990	2976	24	3060	2981	1029	1021	36	29
2980	3032	24	3050	2981	1035	1027	40	31
3020	3017	32	3005	2981	1027	1021	34	30
2935	2976	41	3050	2981	1029	1021	40	30
3041	3017	36	3060	2937	1027	1017	40	29
3025	2976	30	3070	2991	1029	1021	32	28
2935	2981	34	3020	3001	1027	1017	36	30
2945	2971	41	3025	2947	1025	1027	34	30
2985	2971	27	3050	2907	1021	1043	38	29
3020	2971	40	3110	3031	1037	1021	32	30
2975	3032	36	3070	2957	1029	1021	40	30
2990	2976	22	2920	2942	1029	1021	36	32

2-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
297	93	56	40	3041	2971	33	3005
298	94	15	29	2980	3017	27	3025
299	94	34	32	3066	3032	40	3025
300	94	53	21	2980	2961	32	2920
301	95	12	21	3026	3012	33	3070
302	95	31	21	2980	3012	26	3050
303	95	50	40	3061	2971	32	3045
304	96	10	33	3066	2976	33	3100
305	96	29	29	3041	3012	40	3025
306	96	48	35	2935	3012	22	3000
307	97	7	35	2980	2976	27	3100
308	97	26	32	3015	2961	22	3005
309	97	45	24	2960	3017	22	3055
310	98	4	33	3041	2976	26	3040
311	98	23	27	2980	3006	26	3100
312	98	42	22	2935	3001	20	3040
313	99	1	31	3066	2971	21	3005
314	99	20	22	3066	3012	27	2970
315	99	40	35	3031	3006	33	3005
316	99	59	33	2980	2966	44	3025
317	100	18	25	2975	3012	32	2985
318	100	37	32	2980	2976	20	2965
319	100	56	27	2980	2946	32	3090
320	101	15	27	3020	2976	30	3020
321	101	34	32	2935	2971	22	3000
322	101	53	32	2975	2961	40	2920
323	102	12	32	2960	2971	22	3120
324	102	31	25	2975	2946	21	3040
325	102	50	16	3024	2926	23	3100
326	103	9	21	3056	2961	36	2860
327	103	28	41	2935	3012	32	3050
328	103	48	41	4020	2965	40	3025
329	104	7	40	2935	3061	30	2990
330	105	26	43	3041	2976	40	2955
331	104	45	34	2980	3012	27	2860
332	105	4	33	3061	2976	24	3075
333	105	23	28	2980	3052	25	3045
334	105	42	32	3041	2981	20	3040
335	106	1	44	2995	2991	32	3050
336	106	20	30	3066	2981	32	3050
337	106	39	48	3026	2981	20	2990
338	106	59	29	2980	2946	41	2875
339	107	18	26	2980	3012	33	3050
340	107	37	32	2980	3012	27	3085
341	107	56	32	3020	2976	22	3025
342	108	15	30	3056	2976	40	3010
343	108	34	44	2975	3012	40	3070
344	108	53	34	2945	2981	21	3050
345	109	30	41	2970	2956	25	3020
346	110	17	40	2980	3012	40	3

2-06 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
041	2971	33	3005	2972	1037	1021	36	31
980	3017	27	3025	2957	1027	1029	38	31
966	3032	40	3025	2962	1033	1029	34	30
980	2961	32	2920	2972	1029	1027	34	30
026	3012	33	3070	2981	1037	1021	40	30
980	3012	26	3050	2972	1027	1023	38	29
061	2971	32	3045	2981	1027	1027	32	29
966	2976	23	3100	3001	1037	1013	36	30
041	3012	40	3025	2947	1027	1013	34	29
935	3012	22	3000	2991	1033	1029	36	30
980	2976	27	3100	2991	1029	1017	40	30
015	2961	22	3005	2947	1023	1025	38	29
980	3017	22	3055	2962	1031	1019	40	30
041	2976	26	3040	2972	1027	1023	36	29
980	3006	26	3100	2942	1027	1023	34	31
035	3001	20	3040	2937	1029	1021	30	27
966	2971	21	3005	2932	1029	1017	30	30
966	3012	27	2870	2947	1025	1023	38	32
031	3006	33	3005	2972	1031	1025	38	31
990	2968	44	3025	2972	1025	1023	40	30
975	3012	32	2885	2977	1027	1027	36	31
980	2976	20	2885	2942	1027	1027	38	30
980	2946	32	3050	2981	1023	1027	40	30
020	2976	38	3020	2937	1035	1021	36	29
935	2971	22	3000	2977	1029	1021	32	30
975	2961	40	2920	2967	1027	1023	34	27
966	2971	22	3120	2977	1037	1031	34	30
975	2946	21	3040	2972	1027	1013	36	32
926	2926	23	3100	2972	1027	1017	40	30
966	2981	36	2880	2967	1027	1021	40	30
935	3012	32	3050	2783	1027	1021	36	29
920	2966	40	3025	2981	1029	1027	40	30
935	3001	30	2990	2952	1037	1021	40	28
941	2976	40	2955	2932	1033	1025	36	31
980	3012	27	2860	2962	1027	1023	40	30
961	2976	24	2875	2937	1029	1019	34	31
980	3052	25	3045	2942	1027	1013	36	32
941	2981	20	3040	2972	1027	1015	40	27
990	2991	32	3050	2952	1027	1013	36	28
966	2981	33	3050	2981	1029	1021	34	30
926	2981	20	2900	2947	1025	1023	42	30
960	2946	41	2875	2947	1029	1017	36	27
980	3012	33	3050	2962	1023	1023	38	32
980	3012	27	3005	2981	1023	1023	36	30
920	2976	22	3025	2972	1031	1021	40	31
966	2976	40	3010	2942	1029	1027	34	31
975	3012	40	3070	2981	1029	1025	42	31
945	2981	21	3050	2942	1037	1029	36	29
970	2956	25	3020	2952	1033	1019	40	30
960	3012	40	3	2952	1033	1013	36	29

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
347	110	36	27	3020	2941	32	2870
348	110	55	15	2920	2881	39	3005
349	111	14	41	2869	2881	40	3100
350	111	33	22	2829	2831	34	3025
351	111	52	8	2779	2771	39	3005
352	112	11	31	2723	2745	33	3025
353	112	31	7	2079	2073	32	2860
354	112	50	15	1112	1134	4	1720
355	113	9	8	528	542	7	705
356	113	28	6	412	426	5	395
357	*	*	*	*	*	*	*

2-06 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
3020	2941	32	2870	2932	1021	1031	26	32
2920	2881	39	3005	2957	1025	1023	40	27
2869	2881	40	3100	2962	1027	1021	36	30
2829	2831	34	3025	2952	1023	1031	34	27
2779	2771	39	3005	2967	1019	1019	40	30
2723	2745	33	3025	2952	1023	1021	36	29
2079	2073	32	2880	2952	1023	1015	38	28
1112	1134	4	1720	1709	14	6	10	8
528	542	7	705	705	2	*	6	4
412	426	5	395	397	0	*	2	2
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
1	0	7	35	20
2	17	6	40	8
3	17	25	30	16
4	1	4	20	18
5	1	24	10	10
6	1	43	25	6
7	18	42	25	10
8	2	21	50	10
9	2	40	25	10
10	19	39	25	20
11	19	58	25	14
12	20	17	20	10
13	20	36	40	10
14	20	55	35	16
15	21	14	25	16
16	21	33	25	14
17	21	52	30	12
18	5	31	35	8
19	22	30	25	10
20	6	9	40	10
21	23	8	15	12
22	23	27	30	12
23	23	46	15	12
24	24	5	30	14
25	24	24	30	14
26	24	43	30	16
27	25	2	20	6
28	25	21	25	14
29	25	40	35	14
30	25	59	50	4
31	26	18	40	8
32	26	37	15	10
33	26	56	35	16
34	27	15	40	10
35	27	34	15	10
36	11	13	30	16
37	28	12	40	8
38	28	31	25	20
39	28	50	10	6
40	29	9	15	14
41	29	28	25	12
42	29	47	35	12
43	13	26	25	16
44	30	25	20	10
45	30	44	15	16

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
46	31	3	20	8
47	31	22	20	12
48	31	41	10	6
49	31	59	15	12
50	32	20	30	16
51	32	39	20	8
52	16	18	20	8
53	33	17	35	10
54	16	56	25	12
55	17	15	25	12
56	17	34	25	6
57	17	53	30	16
58	18	12	30	12
59	18	31	20	8
60	18	50	30	8
61	19	9	30	8
62	19	28	10	4
63	19	47	30	10
64	20	6	20	2
65	20	25	20	10
66	20	44	50	4
67	21	3	15	10
68	21	22	35	8
69	21	41	35	10
70	22	0	30	12
71	22	19	25	6
72	22	38	35	4
73	22	57	25	26
74	23	16	35	32
75	23	35	30	28
76	23	54	40	24
77	24	13	3080	1456
78	24	32	3004	1462
79	24	51	3050	1468
80	25	10	3045	1464
81	25	29	3040	1466
82	25	48	3060	1468
83	26	7	3065	1476
84	26	26	3050	1472
85	26	45	3050	1470
86	27	4	3090	1466
87	27	23	3004	1472
88	27	42	3080	1472
89	28	1	2094	1480
90	28	20	*	*
92	28	58	3030	1464
93	29	17	3090	1468
94	29	36	3055	1470
95	29	55	3035	1472
96	30	14	3019	1472

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
97	30	33	2949	1460
98	30	52	3131	1470
99	31	11	3080	1466
100	31	30	3045	1476
101	31	49	3040	1470
102	32	8	3035	1476
103	32	27	3019	1476
104	32	46	2979	1474
105	33	5	3136	1472
106	33	24	2954	1472
107	33	43	3030	1470
108	34	2	3030	1470
109	34	21	3004	1474
110	34	40	3030	1482
111	34	59	2954	1474
112	35	18	2888	1478
113	35	37	3232	1470
114	35	56	2999	1406
115	36	15	2944	1474
116	36	34	3080	1478
117	36	53	3014	1474
118	37	12	3019	1476
119	37	31	2954	1476
120	37	50	3131	1470
121	38	9	3100	1478
122	38	28	3090	1478
123	38	47	3030	1474
124	39	6	3035	1474
125	39	25	3030	1472
126	39	44	3035	1466
127	40	3	3030	1476
128	40	22	3050	1470
129	40	41	2954	1478
130	41	0	3080	1470
131	41	19	2934	1466
132	41	38	3095	1472
133	41	57	3080	1474
134	42	16	2934	1470
135	42	35	2999	1474
136	42	54	3080	1474
137	43	13	2984	1480
138	43	32	2954	1480
139	43	51	3030	1482
140	44	10	3030	1480
141	44	29	3030	1480
142	44	48	3151	1480
143	45	7	3125	1476
144	45	26	3050	1476
145	45	45	3085	1484
146	46	4	2893	1476

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
147	46	23	3030	1480
148	46	42	2954	1476
149	47	1	3090	1472
150	47	20	3030	1480
151	47	39	3100	1480
152	47	58	3030	1480
153	48	17	3131	1474
154	48	36	3030	1476
155	48	55	3080	1472
156	49	14	3080	1480
157	49	33	3090	1470
158	49	52	3014	1474
159	50	11	2954	1474
160	50	30	2954	1474
161	50	49	2999	1470
162	51	8	2954	1472
163	51	27	3060	1468
164	51	46	3232	1472
165	52	5	2913	1472
166	52	24	3088	1470
167	52	43	3050	1468
168	53	2	3035	1472
169	53	21	3030	1474
170	53	40	2893	1476
171	53	59	3030	1472
172	54	18	3065	1472
173	54	37	3038	1476
174	54	56	3030	1478
175	55	15	2954	1474
176	55	34	3232	1472
177	55	53	2954	1466
178	56	12	2934	1466
179	56	31	3030	1468
180	56	50	2954	1470
181	57	9	3131	1468
182	57	28	2954	1472
183	57	47	3030	1472
184	58	6	3030	1470
185	58	25	2954	1476
186	58	44	2883	1478
187	59	3	3080	1478
188	59	22	3030	1480
189	59	41	2777	1478
190	60	0	3080	1472
191	60	19	3040	1478
192	60	38	3019	1468
193	60	57	2954	1480
194	61	16	3019	1472
195	61	35	3030	1474
196	61	54	2954	1474

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
197	62	13	2954	1466
198	62	32	3030	1474
199	62	51	3030	1474
200	63	10	2969	1474
201	63	29	2954	1474
202	63	48	3014	1472
203	64	7	3085	1480
204	64	26	2959	1474
205	64	45	2984	1476
206	65	4	2999	1480
207	65	23	2984	1472
208	65	42	3050	1474
209	66	1	3080	1466
210	66	20	3030	1472
211	66	39	3030	1472
212	66	58	3030	1480
213	67	17	3040	1474
214	67	36	2954	1472
215	67	55	3080	1474
216	68	14	3045	1474
217	68	33	2944	1474
218	68	52	2964	1472
219	69	11	2929	1464
220	69	30	3131	1474
221	69	49	3070	1472
222	70	8	3232	1474
223	70	27	3030	1472
224	70	46	3019	1476
225	71	5	2954	1472
226	71	24	3080	1476
227	71	43	3030	1476
228	72	2	2903	1476
229	72	21	2954	1468
230	72	40	3030	1476
231	72	59	2954	1472
232	73	18	2954	1470
233	73	37	3080	1468
234	73	56	3070	1472
235	74	15	2999	1468
236	74	34	3070	1474
237	74	53	2954	1476
238	75	12	3131	1468
239	75	31	2949	1472
240	75	50	3035	1472
241	76	9	3035	1476
242	76	28	3030	1472
243	76	47	3080	1474
244	77	6	3030	1476
245	77	25	2954	1474
246	77	44	3040	1476

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
247	78	3	2964	1476
248	78	22	3120	1466
249	78	41	3030	1468
250	79	0	2939	1466
251	79	19	2934	1476
252	79	38	2929	1472
253	79	58	2893	1472
254	80	17	3030	1466
255	80	36	3131	1476
256	80	55	2934	1470
257	81	14	3131	1470
258	81	33	3050	1470
259	81	52	3080	1476
260	82	11	2949	1468
261	82	30	2934	1468
262	82	49	3080	1472
263	83	8	2908	1464
264	83	27	3030	1480
265	83	46	2934	1472
266	84	5	2964	1480
267	84	24	3045	1470
268	84	43	2979	1476
269	85	2	3030	1466
270	85	21	3055	1472
271	85	40	2939	1466
272	85	59	2954	1468
273	86	18	2954	1470
274	86	37	2918	1476
275	86	56	2929	1464
276	87	16	2949	1476
277	87	35	2929	1476
278	87	54	3080	1470
279	88	13	2918	1472
280	88	32	3048	1466
281	88	51	3090	1474
282	89	10	3030	1474
283	89	29	3030	1468
284	89	48	3110	1472
285	90	7	3043	1474
286	90	26	3108	1478
287	90	45	3065	1464
288	91	4	3136	1466
289	91	24	3120	1474
290	91	43	2964	1474
291	92	2	2954	1480
292	92	21	2944	1480
293	92	40	3100	1480
294	92	59	3019	1474
295	93	18	3085	1474
296	93	37	3141	1466

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
297	93	56	3030	1474
298	94	15	3151	1472
299	94	34	2954	1476
300	94	53	2979	1484
301	95	12	3120	1474
302	95	31	2908	1470
303	95	50	3055	1480
304	96	10	3070	1474
305	96	29	2913	1476
306	96	48	2903	1466
307	97	7	3030	1470
308	97	26	3030	1472
309	97	45	3080	1470
310	98	4	3090	1476
311	98	23	2954	1470
312	98	42	2954	1470
313	99	1	3070	1476
314	99	20	2954	1472
315	99	40	3070	1474
316	99	59	3045	1472
317	100	18	3080	1468
318	100	37	3035	1468
319	100	56	3030	1476
320	101	15	3030	1470
321	101	34	3055	1478
322	101	53	2893	1476
323	102	12	2893	1474
324	102	31	3080	1468
325	102	50	2949	1466
326	103	9	3030	1468
327	103	28	3095	1472
328	103	48	2954	1466
329	104	7	3035	1474
330	104	26	3030	1474
331	104	45	3131	1468
332	105	4	3131	1472
333	105	23	2863	1470
334	105	42	3030	1462
335	106	1	3070	1468
336	106	20	3030	1466
337	106	39	3040	1470
338	106	59	3030	1468
339	107	18	3080	1468
340	107	37	3058	1464
341	107	56	2903	1470
342	108	15	2888	1470
343	108	34	2929	1472
344	108	53	2898	1464
345	109	30	3131	1468
346	110	17	3070	1468

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
347	110	36	3035	1472
348	110	55	3120	1466
349	111	14	2954	1470
350	111	33	3045	1476
351	111	52	2954	1466
352	112	11	3131	1472
353	112	31	3019	1466
354	112	50	873	832
355	113	9	267	268
356	113	28	75	92
357	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
1	0	10	23	23	23	23	23
2	0	29	23	23	23	23	23
3	0	48	23	23	23	22	23
4	1	7	23	23	23	23	24
5	1	26	22	23	23	23	23
6	1	45	22	23	23	23	23
7	2	4	23	23	23	23	23
8	2	23	22	23	22	23	23
9	2	42	22	23	22	23	23
10	3	1	23	23	23	23	23
11	3	20	22	23	23	22	23
12	3	39	22	23	22	23	23
13	3	58	23	23	22	23	22
14	20	57	23	23	23	23	23
15	21	16	23	23	23	23	23
16	21	35	22	22	23	22	23
17	21	54	22	23	23	22	23
18	22	13	23	23	22	23	22
19	22	31	23	23	23	22	23
20	6	12	22	23	23	23	23
21	6	31	22	23	23	23	23
22	6	50	23	23	23	23	23
23	23	49	22	23	23	22	23
24	24	8	23	23	23	23	23
25	24	27	23	23	23	23	23
26	24	46	22	23	23	23	22
27	25	5	22	23	23	23	23
28	25	24	22	22	22	22	23
29	25	43	22	22	23	23	22
30	26	2	22	23	22	23	22
31	26	21	22	23	22	23	22
32	26	40	22	23	23	22	23
33	26	59	23	23	23	23	22
34	18	38	22	23	22	23	22
35	27	37	22	22	23	22	23
36	27	56	22	23	22	23	22
37	11	35	22	23	22	22	23
38	28	34	22	23	22	22	23
39	28	53	23	23	23	23	22
40	29	12	22	23	23	23	23
41	12	51	23	23	22	23	22
42	13	10	23	23	22	23	22
43	13	29	23	24	23	23	23
44	13	48	22	23	23	23	
45	30	47	22	22	22	23	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

3-06 HEATER PLENUM NUMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
23	23	23	23	23	23	23	24	22
23	23	23	23	23	23	23	24	22
23	23	22	23	23	23	23	23	22
23	23	23	24	23	23	23	24	22
23	23	23	23	23	23	22	24	22
23	23	23	23	23	23	22	24	22
23	23	23	23	22	22	22	23	22
23	22	23	23	23	22	22	24	22
23	22	23	23	23	23	22	24	22
23	23	23	23	23	23	22	23	22
23	23	22	23	22	22	22	23	22
23	22	23	23	23	23	22	24	22
23	22	23	22	23	22	22	23	22
23	23	23	23	23	23	23	24	22
23	23	23	23	23	27	23	23	22
22	23	22	23	23	22	22	22	22
23	23	22	23	23	22	22	23	22
23	22	23	22	23	22	22	23	22
23	23	22	23	23	25	23	24	22
23	23	23	23	23	23	22	24	22
23	23	23	23	23	23	22	24	22
23	23	23	23	23	22	22	24	22
23	23	22	23	23	23	22	23	22
23	23	23	23	23	23	21	23	22
23	23	23	23	23	22	22	23	22
23	23	23	22	23	22	22	23	22
23	23	23	23	23	22	22	23	22
22	22	22	23	22	22	22	23	22
22	23	23	22	23	22	21	22	22
23	22	23	22	23	22	21	23	22
23	22	23	22	23	22	21	23	21
23	23	22	23	22	22	22	23	22
23	23	23	22	23	22	22	23	22
23	22	23	22	23	22	22	23	22
22	23	22	23	23	22	22	22	22
23	22	23	22	22	22	22	23	22
23	22	22	23	23	22	22	23	21
23	22	22	23	23	22	22	23	22
23	23	23	22	23	22	22	23	22
23	23	23	23	23	22	22	23	22
23	22	23	22	23	22	22	23	21
23	22	23	22	23	22	22	23	21
24	23	23	23	24	26	23	24	22
23	23	23		22	22	22	23	21

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
46	31	6	22	23	22	23	22
47	31	25	22	22	22	22	23
48	15	4	22	22	22	22	23
49	32	3	22	22	22	22	23
50	32	22	22	23	22	23	22
51	16	1	22	23	22	22	23
52	16	20	22	23	22	23	23
53	16	39	22	23	22	23	23
54	16	58	22	22	22	22	23
55	17	17	22	22	22	23	23
56	17	36	22	23	22	23	23
57	17	55	22	23	22	23	23
58	18	14	23	23	22	23	23
59	18	33	22	23	22	23	23
60	18	52	22	23	23	23	24
61	19	11	23	23	23	24	24
62	19	30	22	22	22	22	23
63	19	49	22	22	22	22	23
64	20	8	22	23	22	22	23
65	20	27	22	23	23	22	23
66	20	46	22	24	23	23	23
67	21	5	22	22	23	22	23
68	21	24	22	22	22	22	23
69	21	43	22	22	22	22	23
70	22	2	22	23	22	22	23
71	22	21	22	22	22	22	23
72	22	40	22	23	22	22	23
73	22	59	22	22	22	22	23
74	23	18	22	23	22	23	23
75	23	37	22	22	23	22	23
76	23	56	22	23	22	23	23
77	24	15	22	22	22	23	23
78	24	34	22	22	22	22	23
79	24	53	22	23	23	22	23
80	25	12	22	23	23	22	23
81	25	31	22	24	23	22	23
82	25	50	23	22	22	23	24
83	26	9	23	23	22	22	23
84	26	28	24	23	23	22	24
85	26	47	23	24	22	22	23
86	27	6	24	23	22	22	23
87	27	25	24	23	22	23	24
88	27	44	24	22	22	23	23
89	28	3	24	22	22	23	23
90	*	*	*	*	*	*	*
92	29	0	25	22	22	23	23
93	29	19	25	23	22	23	24
94	29	38	25	22	22	22	23
95	29	57	25	22	22	23	23
96	30	16	25	23	23	23	23

3-06 ATER ENUM MBER TEMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
23	22	23	22	23	22	22	23	22
22	22	22	23	22	22	22	23	21
22	22	22	23	22	22	22	23	22
22	22	22	23	23	22	22	23	22
23	22	23	22	23	22	22	23	22
23	22	22	23	22	22	22	23	22
23	22	23	23	24	24	22	23	22
23	22	23	23	23	22	22	24	22
22	22	22	23	23	22	22	23	22
22	22	23	23	23	22	22	23	22
23	22	23	23	23	22	22	24	22
23	22	23	23	23	22	22	24	22
23	22	23	23	24	22	22	24	22
23	22	23	23	23	22	22	24	22
23	23	23	24	23	23	22	24	22
23	23	24	24	24	25	23	25	22
22	22	22	23	23	22	22	24	22
22	22	22	23	23	22	22	24	22
23	22	22	23	24	22	22	24	22
23	23	22	23	23	22	22	24	22
24	23	23	23	24	22	22	24	22
22	23	22	23	23	22	22	24	22
22	22	22	23	23	22	22	24	22
22	22	22	23	23	22	22	24	22
23	22	22	23	23	22	22	24	22
22	22	22	23	23	22	22	23	22
23	22	22	23	23	22	22	24	22
22	22	22	23	23	22	22	24	22
23	22	23	23	23	22	22	24	22
22	23	22	23	24	22	22	24	22
23	22	23	23	23	22	22	24	22
22	22	23	23	24	21	22	24	22
22	22	22	23	23	22	22	23	21
23	23	22	23	23	22	22	24	22
23	23	22	23	23	22	22	24	22
24	23	22	23	23	22	22	24	22
22	22	23	24	24	22	22	23	22
23	22	22	23	23	22	22	24	22
23	23	22	24	23	22	22	24	22
24	22	22	23	23	22	22	24	22
23	22	22	23	23	22	22	24	22
23	22	23	24	23	22	22	24	22
22	22	23	23	24	22	22	22	22
22	22	23	23	24	21	22	22	22
*	*	*	*	*	*	*	*	*
22	22	23	23	24	21	22	22	22
23	22	23	24	22	22	22	24	22
22	22	22	23	24	22	22	22	22
22	22	23	23	24	22	22	23	22
23	23	23	23	23	22	21	24	22

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
97	30	35	25	22	22	23	24
98	30	54	26	22	22	23	23
99	31	13	26	24	22	22	23
100	31	32	27	23	23	23	24
101	31	51	27	23	22	22	24
102	32	10	27	23	23	22	23
103	32	29	27	24	23	22	24
104	32	48	27	22	23	22	24
105	33	7	28	23	23	23	24
106	33	26	28	23	22	23	24
107	33	45	28	24	23	22	23
108	34	4	28	24	23	23	23
109	34	24	28	23	24	22	23
110	34	43	28	24	23	22	24
111	35	2	29	24	23	22	23
112	35	21	29	23	23	22	24
113	35	40	29	24	23	22	24
114	35	59	30	24	24	22	23
115	36	18	29	23	23	22	24
116	36	37	29	24	23	23	24
117	36	56	30	24	23	22	23
118	37	15	30	23	23	23	24
119	37	34	30	24	23	23	23
120	37	53	31	24	22	24	24
121	38	12	31	24	23	22	23
122	38	31	31	24	24	23	23
123	38	50	32	24	23	23	23
124	39	9	31	24	23	23	24
125	39	28	32	24	23	23	24
126	39	47	32	25	23	23	24
127	40	6	32	24	23	23	24
128	40	25	32	24	24	22	24
129	40	44	32	25	24	23	24
130	41	3	33	25	24	23	24
131	41	22	33	25	23	23	23
132	41	41	33	23	23	23	24
133	42	0	33	25	23	23	24
134	42	19	33	24	23	23	24
135	42	38	33	25	23	23	24
136	42	57	34	25	24	23	24
137	43	16	34	24	23	23	24
138	43	35	34	24	24	23	24
139	43	54	34	25	24	23	23
140	44	13	34	25	25	23	24
141	44	32	34	24	23	23	24
142	44	51	34	24	23	23	24
143	45	10	35	25	23	23	24
144	45	29	35	25	24	23	24
145	45	48	35	25	24	23	24
146	46	7	35	25	24	23	24

3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
22	22	23	24	23	22	22	23	22
22	22	23	23	24	22	22	22	22
24	22	22	23	24	22	22	24	22
23	23	23	24	22	22	22	25	22
23	22	22	24	24	21	22	23	22
23	23	22	23	23	22	21	25	22
24	23	22	24	23	21	22	25	22
22	23	22	24	24	22	22	24	22
23	23	23	24	23	22	22	24	22
23	22	23	24	24	22	22	23	22
24	23	22	23	24	22	21	24	22
24	23	23	23	23	22	22	24	22
23	24	22	23	24	22	22	23	22
24	23	22	24	24	22	22	24	22
24	23	22	23	23	21	22	25	22
23	23	22	24	22	22	22	24	22
24	23	22	24	22	22	22	23	22
24	24	22	23	24	22	21	24	22
23	23	22	24	24	22	21	24	22
24	23	23	24	23	21	22	23	22
24	23	22	23	23	22	22	25	22
23	23	23	24	24	22	22	22	22
24	23	23	23	24	22	22	23	22
24	22	24	24	23	21	22	23	22
24	23	22	23	24	21	22	24	22
24	24	23	23	23	21	22	25	22
24	23	23	23	23	22	22	25	22
24	23	23	24	25	22	22	23	22
24	23	23	24	24	22	22	22	22
25	23	23	24	23	22	22	25	22
24	23	23	24	24	22	22	23	22
24	24	22	24	24	22	22	24	22
25	24	23	24	23	22	22	25	22
25	24	23	24	23	22	22	25	22
25	23	23	23	23	21	22	25	22
23	23	23	24	23	21	22	23	22
25	23	23	24	24	21	22	24	22
24	23	23	24	23	22	22	23	22
25	23	23	24	24	21	22	23	22
25	24	23	24	24	22	22	24	22
24	23	23	24	23	22	22	25	22
24	24	23	24	24	21	22	23	22
25	24	23	23	24	21	22	25	22
25	25	23	24	23	21	22	25	22
24	23	23	24	24	22	22	23	22
24	23	23	24	24	22	22	22	22
25	23	23	24	24	22	22	25	22
25	24	23	24	23	22	21	25	22
25	24	23	24	24	22	22	25	22
25	24	23	24	24	22	22	23	22

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
147	46	26	35	25	24	23	24
148	46	45	35	25	23	23	24
149	47	4	35	25	24	24	25
150	47	23	34	26	25	23	24
151	47	42	34	26	24	23	24
152	48	1	34	26	24	23	24
153	48	20	34	26	24	23	24
154	48	38	35	25	24	24	24
155	48	57	34	26	24	23	24
156	49	16	35	26	24	23	24
157	49	35	34	26	24	23	24
158	49	54	34	26	24	24	24
159	50	13	34	26	24	24	24
160	50	32	34	27	24	23	24
161	50	51	34	26	25	23	24
162	51	10	34	26	24	23	24
163	51	29	34	25	24	24	25
164	51	48	34	27	24	23	24
165	52	7	34	27	24	23	24
166	52	26	34	26	24	24	25
167	52	45	34	26	24	24	25
168	53	4	34	26	24	23	24
169	53	23	34	26	24	24	24
170	53	42	34	26	24	24	24
171	54	1	33	26	24	24	24
172	54	20	34	26	24	24	24
173	54	39	33	27	24	23	25
174	54	58	34	26	24	24	25
175	55	17	33	26	24	24	25
176	55	36	33	26	24	23	24
177	55	55	33	26	25	24	25
178	56	14	33	27	24	23	24
179	56	33	33	26	25	24	24
180	56	52	33	27	25	24	24
181	57	11	33	27	25	23	24
182	57	30	33	26	24	24	25
183	57	49	33	27	25	23	24
184	58	8	33	27	25	24	24
185	58	27	33	27	24	24	25
186	58	46	33	27	24	24	24
187	59	5	32	26	24	24	24
188	59	24	32	27	25	24	25
189	59	43	32	27	24	24	24
190	60	2	33	27	25	23	25
191	60	21	33	27	25	24	25
192	60	40	33	27	24	24	24
193	60	59	33	27	25	23	24
194	61	18	32	26	24	24	24
195	61	37	32	27	24	23	24
196	61	56	29	27	24	24	23

3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
25	24	23	24	24	22	22	25	22
25	23	23	24	24	21	22	23	22
25	24	24	25	24	22	22	23	22
26	25	23	24	23	21	21	25	22
26	24	23	24	23	21	21	26	22
26	24	23	24	23	21	22	26	22
26	24	23	24	24	22	21	26	22
25	24	24	24	24	21	22	24	22
26	24	23	24	24	22	22	24	22
26	24	23	24	24	21	22	25	22
26	24	23	24	24	21	22	25	22
26	24	24	24	23	22	22	25	22
26	24	24	24	24	21	22	23	21
27	24	23	24	24	22	22	23	22
26	25	23	24	24	21	22	25	22
26	24	23	24	24	21	22	23	21
25	24	24	25	24	21	22	25	21
27	24	23	24	24	21	21	24	22
27	24	23	24	23	22	22	26	22
26	24	24	25	23	22	22	25	22
26	24	24	25	24	21	22	25	21
26	24	23	24	24	21	22	23	22
26	24	24	24	24	21	22	25	22
26	24	24	24	25	21	22	23	22
26	24	24	24	24	21	22	23	22
26	24	24	24	25	21	22	23	22
27	24	23	25	24	22	22	25	22
26	24	24	25	24	22	22	23	22
26	24	24	25	23	22	22	25	22
26	24	23	24	24	21	22	23	21
26	25	24	25	24	21	22	25	22
27	24	23	24	24	22	22	24	22
26	25	24	24	23	22	21	25	22
27	25	24	24	23	22	22	25	21
27	25	23	24	24	21	21	25	22
26	24	24	25	24	21	22	23	22
27	25	23	24	23	21	22	26	21
27	25	24	24	25	21	21	23	22
27	24	24	25	24	21	22	25	22
27	24	24	24	24	22	22	26	22
26	24	24	24	25	22	22	23	22
27	25	24	25	24	22	22	26	22
27	24	24	24	25	21	22	23	22
27	25	23	25	23	22	22	27	22
27	25	24	25	24	22	21	24	22
27	24	24	24	23	21	20	25	22
27	25	23	24	24	20	20	26	22
26	24	24	24	25	20	20	25	23
27	24	23	24	25	20	19	23	22
27	24	24	23	24	20	21	25	23

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
197	62	15	28	27	24	24	22
198	62	34	28	27	25	24	22
199	62	53	28	26	25	23	22
200	63	12	28	26	24	23	22
201	63	31	28	27	24	23	22
202	63	50	29	26	24	23	22
203	64	9	29	25	24	23	22
204	64	28	29	26	23	23	22
205	64	47	29	25	23	22	21
206	65	6	29	25	23	23	21
207	65	25	29	25	23	22	21
208	65	44	29	25	22	22	21
209	66	3	29	25	23	22	21
210	66	22	29	25	23	22	21
211	66	41	29	24	23	22	21
212	67	0	27	26	23	23	21
213	67	19	24	26	24	24	21
214	67	38	23	26	23	24	21
215	67	57	22	26	25	24	20
216	68	16	21	25	24	24	20
217	68	35	21	26	24	25	20
218	68	54	20	26	25	25	21
219	69	13	21	25	24	24	20
220	69	32	20	26	24	25	20
221	69	51	19	25	24	25	21
222	70	10	18	26	24	25	21
223	70	30	18	26	24	25	21
224	70	49	18	25	24	25	21
225	71	8	17	26	24	25	21
226	71	27	18	26	24	25	22
227	71	46	17	26	24	25	22
228	72	5	17	26	25	25	21
229	72	24	17	26	24	25	22
230	72	43	17	26	25	25	22
231	73	2	17	26	24	25	22
232	73	21	17	25	25	25	21
233	73	40	17	25	24	25	22
234	73	59	16	25	25	24	21
235	74	18	17	25	24	25	21
236	74	37	17	25	24	25	21
237	74	56	17	25	24	25	21
238	75	15	16	25	24	24	22
239	75	34	16	25	24	24	21
240	75	53	16	25	24	25	22
241	76	12	16	25	24	25	21
242	76	31	17	25	24	24	21
243	76	50	16	25	24	24	21
244	77	9	16	24	24	24	22
245	77	28	16	25	24	24	21
246	77	47	16	25	24	24	21

3-06 EATER LENUM MMBER TEMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
27	24	24	22	24	20	21	23	22
27	25	24	22	23	21	21	23	23
26	25	23	22	23	21	21	23	23
26	24	23	22	23	21	21	23	23
27	24	23	22	24	21	21	24	22
26	24	23	22	24	21	21	24	23
25	24	23	22	24	21	21	25	22
26	23	23	22	24	21	21	22	22
25	23	22	21	24	21	21	24	22
25	23	23	21	24	21	21	25	22
25	23	22	21	22	21	20	25	22
25	22	22	21	23	21	21	25	22
25	23	22	21	23	21	21	25	23
25	23	22	21	24	21	21	25	22
24	23	22	21	22	22	21	23	23
26	23	23	21	24	21	19	24	22
26	24	24	21	23	20	20	21	21
26	23	24	21	22	20	20	21	22
26	25	24	20	22	20	20	21	22
25	24	24	20	22	19	19	21	21
26	24	25	20	23	20	19	23	21
26	25	25	21	22	20	19	21	21
26	24	24	20	22	20	19	22	21
26	24	25	20	21	20	19	20	21
25	24	25	21	21	20	19	20	20
26	24	25	21	22	19	19	22	20
26	24	25	21	22	20	19	22	20
25	24	25	21	22	19	19	22	20
26	24	25	21	21	20	19	21	19
26	24	25	22	21	19	19	21	19
26	24	25	22	21	19	19	22	20
26	25	25	21	22	19	19	19	19
26	24	25	22	21	19	20	22	20
26	25	25	22	22	20	19	19	19
26	24	25	22	20	20	19	21	19
25	25	25	21	22	20	19	19	19
25	24	25	22	19	20	19	21	19
25	25	24	21	20	20	19	21	19
25	24	25	21	20	20	19	18	19
25	24	25	21	22	20	19	20	19
25	24	25	21	22	20	19	18	19
25	24	24	22	21	20	19	18	19
25	24	24	21	20	19	19	18	19
25	24	25	22	21	20	19	21	19
25	24	25	21	21	20	19	21	19
25	24	24	21	21	20	19	20	19
25	24	24	21	21	21	19	20	19
24	24	24	22	20	19	19	18	19
25	24	24	21	21	21	19	21	19
25	24	24	21	20	20	19	19	19

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-0 DIST. DUCT OUTLE (CKPI L.S. DEG.
247	78	6	16	25	23	24	21
248	78	25	16	24	23	24	21
249	78	44	17	24	23	24	21
250	79	3	17	23	23	22	21
251	79	22	17	23	22	23	21
252	79	41	17	22	22	22	21
253	80	0	17	23	22	22	21
254	80	19	17	22	22	22	21
255	80	38	17	22	21	22	21
256	80	57	18	22	21	22	20
257	81	16	18	22	22	22	20
258	81	35	18	22	21	22	20
259	81	54	18	21	21	21	21
260	82	13	18	21	21	21	21
261	82	32	18	21	21	22	21
262	82	51	18	21	21	21	21
263	83	10	19	20	21	20	21
264	83	29	19	21	21	21	21
265	83	47	19	21	21	21	21
266	84	8	19	21	21	21	21
267	84	27	19	21	21	21	21
268	84	46	20	21	21	20	21
269	85	5	20	21	21	21	21
270	85	24	20	21	21	21	21
271	85	43	20	21	21	21	21
272	86	2	21	21	21	21	21
273	86	21	21	21	21	21	21
274	86	40	21	21	21	21	21
275	86	59	21	21	22	21	21
276	87	18	21	21	22	21	22
277	87	37	21	21	21	21	21
278	87	56	21	20	22	22	22
279	88	15	21	21	21	20	23
280	88	34	21	22	21	22	22
281	88	53	21	22	21	22	22
282	89	12	21	21	21	22	23
283	89	31	21	21	21	21	22
284	89	51	21	21	21	21	23
285	90	10	21	22	22	22	22
286	90	29	21	21	22	22	22
287	90	48	21	22	22	22	22
288	91	7	21	21	21	22	22
289	91	26	21	21	22	22	22
290	91	45	21	22	22	22	23
291	92	4	22	22	21	22	23
292	92	23	22	22	21	22	23
293	92	42	22	22	21	22	22
294	93	1	22	22	22	22	23
295	93	20	22	22	22	22	22
296	93	39	22	21	22	22	23

3-06 EATER LENUM MBER TEMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
25	23	24	21	19	20	19	18	19
24	23	24	21	20	21	19	18	19
24	23	24	21	21	19	18	20	19
23	23	22	21	19	19	19	20	19
23	22	23	21	19	19	19	20	19
22	22	22	21	20	19	19	20	19
23	22	22	21	20	20	19	20	19
22	22	22	21	19	19	19	18	19
22	21	22	21	19	20	20	18	19
22	21	22	20	20	21	20	19	19
22	22	22	20	21	21	20	21	20
22	21	22	20	20	20	19	21	20
21	21	21	21	20	19	19	19	20
21	21	21	21	21	19	20	21	20
21	21	22	21	20	20	20	19	20
21	21	21	21	19	20	20	18	20
20	21	20	21	20	20	20	22	20
21	21	21	21	20	21	21	22	20
21	21	21	21	21	20	21	22	20
21	21	21	21	21	21	21	19	20
21	21	21	21	20	21	21	21	21
21	21	20	21	21	21	22	22	21
21	21	21	21	21	21	22	22	21
21	21	21	21	21	22	22	23	21
21	21	21	21	22	21	22	21	21
21	21	21	21	21	22	21	20	22
21	21	21	21	20	22	22	22	22
21	21	21	21	22	22	22	22	22
21	22	21	21	22	22	22	23	22
21	22	21	22	22	22	22	22	22
21	21	21	21	21	22	22	24	22
20	22	22	22	23	22	22	24	22
21	21	20	23	22	22	22	24	22
22	21	22	22	23	22	22	23	22
22	21	22	22	22	22	22	22	22
21	21	22	23	22	22	22	23	22
21	21	21	22	23	22	22	22	22
21	21	21	23	24	22	22	25	22
22	22	22	22	22	22	22	22	22
21	22	22	22	23	22	22	25	22
22	22	22	22	23	23	22	22	23
21	21	22	22	22	23	23	25	22
21	22	22	22	22	23	23	24	23
22	22	22	23	23	23	23	22	23
22	21	22	23	24	22	23	25	23
22	21	22	23	23	23	22	25	23
22	21	22	22	23	23	22	24	24
22	22	22	23	24	23	22	25	23
22	22	22	22	23	23	23	24	24
21	22	22	23	22	23	23	22	23

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
297	93	58	22	22	22	22	22
298	94	18	22	21	22	22	22
299	94	37	22	22	22	22	22
300	94	56	21	22	22	22	22
301	95	15	22	22	22	22	22
302	95	34	22	22	22	22	23
303	95	53	22	22	22	22	24
304	96	12	22	23	22	22	24
305	96	31	22	22	22	22	24
306	96	50	22	22	22	23	24
307	97	9	22	23	22	22	24
308	97	28	22	22	22	23	24
309	97	47	22	22	23	22	23
310	98	7	22	22	22	22	22
311	98	26	22	22	22	22	23
312	98	45	22	22	22	22	23
313	99	4	22	22	22	22	23
314	99	23	22	22	22	23	23
315	99	42	21	22	22	23	23
316	100	1	22	23	22	22	23
317	100	20	21	22	22	23	23
318	100	39	22	22	22	22	23
319	100	58	21	22	22	23	22
320	101	17	21	22	22	22	23
321	101	36	21	22	23	22	23
322	101	55	22	22	22	22	24
323	102	14	22	22	22	23	24
324	102	34	22	23	23	23	25
325	102	53	22	22	22	23	24
326	103	12	22	22	22	23	25
327	103	31	23	22	23	23	24
328	103	50	23	24	23	23	25
329	104	9	22	22	23	23	25
330	104	28	22	22	22	23	25
331	104	47	23	23	23	24	26
332	105	6	23	22	24	23	26
333	105	25	23	22	23	23	26
334	105	44	23	24	23	24	26
335	106	4	24	22	23	24	26
336	106	23	23	22	24	24	27
337	106	42	23	24	24	24	26
338	107	1	23	23	24	24	26
339	107	20	24	23	24	24	26
340	107	39	23	24	23	24	26
341	107	58	23	24	24	24	27
342	108	17	24	23	24	24	26
343	108	36	24	24	24	24	27
344	108	56	24	23	24	24	26
345	109	33	22	24	24	24	26
346	110	19	21	23	23	24	26

-06 ATER ENUM MBER TEMP OUT G.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
22	22	22	22	24	23	23	26	23
21	22	22	22	23	23	23	25	24
22	22	22	22	24	23	24	25	23
22	22	22	22	22	23	23	23	23
22	22	22	22	23	23	24	25	24
22	22	22	23	24	22	23	24	23
22	22	22	24	24	24	24	25	23
22	22	22	24	23	24	23	24	24
22	22	22	24	23	24	23	23	24
22	22	23	24	24	24	24	25	24
23	22	22	24	23	23	24	23	24
22	22	23	24	24	24	24	23	24
22	23	22	23	24	24	23	26	24
22	22	22	22	24	24	23	24	23
22	22	22	23	23	24	24	26	24
22	22	22	23	24	24	24	24	23
22	22	22	23	25	24	24	27	24
22	22	23	23	24	25	24	26	24
22	22	23	23	24	24	24	27	24
23	22	22	23	23	24	25	25	24
22	22	23	23	24	24	25	24	24
22	22	22	23	24	24	25	25	24
22	22	23	22	24	25	25	26	24
22	22	22	23	24	25	24	24	25
22	23	22	23	24	24	24	24	24
22	22	22	24	25	24	25	26	24
22	22	23	24	25	24	25	27	24
23	23	23	25	25	24	24	27	24
22	22	23	24	25	25	25	24	25
22	22	23	25	24	24	25	24	24
22	23	23	24	24	25	25	27	24
24	23	23	25	24	25	25	25	25
22	23	23	25	24	25	25	27	24
22	22	23	25	25	25	25	27	24
23	23	24	26	24	25	25	27	25
22	24	23	26	24	25	25	27	24
22	23	23	26	25	25	25	27	25
24	23	24	26	26	25	25	28	25
22	23	24	26	26	25	26	28	25
22	24	24	27	25	25	25	25	25
24	24	24	26	26	25	25	25	25
23	24	24	26	25	25	25	25	25
23	24	24	26	27	25	25	25	24
24	23	24	26	26	25	25	28	24
24	24	24	27	26	26	25	26	24
23	24	24	26	25	26	26	28	24
24	24	24	27	26	26	26	28	25
23	24	24	26	25	26	25	27	24
24	24	24	24	25	26	25	25	24
23	23	24	25	25	25	25	28	24

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
347	110	38	21	23	23	23	24
348	110	57	22	24	23	24	25
349	111	17	22	24	23	24	25
350	111	36	23	23	24	23	25
351	111	56	24	24	23	24	25
352	112	14	25	23	24	24	26
353	112	33	25	23	23	24	27
354	112	52	26	24	24	24	26
355	113	11	27	24	24	24	26
356	113	30	27	24	24	24	26
357	*	*	*	*	*	*	*

3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
23	23	23	24	25	25	25	27	24
24	23	24	25	26	26	25	25	24
24	23	24	25	25	25	25	27	24
23	24	23	25	26	25	25	25	24
24	23	24	25	26	26	25	26	24
23	24	24	26	25	26	26	26	24
23	23	24	27	26	25	26	26	24
24	24	24	26	25	26	25	27	24
24	24	24	26	26	26	26	27	24
24	24	24	26	26	*	26	27	24
*	*	*	*	*	*	*	*	*

MH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TENP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
1	0	10	22	22	24	23	22
2	0	29	22	22	24	23	22
3	0	48	23	22	23	23	22
4	1	7	22	22	24	23	22
5	1	26	23	22	23	22	22
6	1	45	23	22	24	22	22
7	2	4	22	22	23	22	22
8	2	23	22	22	23	22	22
9	2	42	22	22	23	22	22
10	3	1	22	22	23	22	22
11	3	20	22	22	24	23	22
12	3	39	23	22	23	23	22
13	3	58	22	22	24	22	22
14	20	57	22	22	23	22	22
15	21	16	23	28	24	22	22
16	21	35	22	22	23	22	22
17	21	54	22	22	23	22	22
18	22	13	23	22	24	22	22
19	22	31	22	22	23	22	22
20	6	12	23	22	23	22	22
21	6	31	22	22	24	22	22
22	6	50	23	22	24	22	22
23	23	49	22	22	24	22	22
24	24	8	23	23	23	22	22
25	24	27	22	22	24	22	22
26	24	46	22	22	24	22	22
27	25	5	22	22	23	22	22
28	25	24	22	22	23	22	22
29	25	43	22	22	23	22	22
30	26	2	22	22	23	22	22
31	26	21	23	22	23	22	22
32	26	40	22	22	23	22	22
33	26	59	23	22	24	22	22
34	10	38	22	22	23	22	22
35	27	37	22	22	23	22	21
36	27	56	22	22	23	21	22
37	11	35	22	22	22	22	22
38	28	34	22	22	23	21	22
39	28	53	22	22	24	21	22
40	29	12	22	22	23	21	22
41	12	51	22	22	23	21	22
42	13	10	22	22	23	21	22
43	13	29	23	27	23	21	22
44	13	48	22	22	22	21	22
45	30	47	22	22	23	21	22

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

3-16 LOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
22	24	23	22	23	22	22	22	22
22	24	23	22	22	23	22	21	21
22	23	23	22	23	23	22	21	22
22	24	23	22	22	22	22	21	22
22	23	22	22	22	22	21	21	21
22	24	22	22	22	22	21	21	21
22	23	22	22	22	22	21	21	21
22	23	22	22	22	22	22	21	21
22	23	22	22	22	22	21	21	21
22	23	22	22	22	22	21	21	21
22	24	23	22	22	22	22	21	21
22	23	23	22	22	22	21	21	21
22	24	22	22	22	22	21	21	21
22	23	22	22	22	23	21	21	21
22	24	22	22	22	22	21	21	21
22	23	22	22	22	22	22	21	21
22	23	22	22	22	23	21	21	21
22	24	22	22	22	22	21	21	21
22	23	22	22	23	22	21	21	21
22	23	22	22	22	22	21	21	21
22	24	22	22	23	22	21	21	21
22	24	22	22	22	22	21	21	21
22	24	22	22	22	22	21	21	21
23	23	22	22	22	22	21	21	22
22	24	22	22	22	21	21	21	22
22	24	22	22	22	21	21	21	21
22	23	22	22	22	21	21	21	21
22	23	22	22	22	21	21	21	21
22	23	22	22	22	21	20	21	21
22	23	22	22	22	21	21	21	21
22	23	22	22	22	22	21	21	21
22	23	22	22	22	21	21	21	21
22	24	22	22	22	21	21	20	21
22	23	22	22	22	21	21	20	21
22	23	22	21	22	22	20	20	21
22	23	21	22	22	22	21	20	21
22	22	22	22	22	22	21	21	21
22	23	21	22	22	22	21	20	21
22	24	21	22	22	22	21	21	21
22	23	21	22	22	22	20	20	21
22	23	21	22	22	22	21	20	21
22	23	21	22	22	22	20	20	21
27	23	21	22	24	22	22	20	26
22	22	21		22	22	20	20	21
22	23	21		22	22	22	21	26

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
46	31	6	22	22	23	21	22
47	31	25	22	22	23	21	21
48	15	4	22	22	23	21	21
49	32	3	22	22	22	21	21
50	32	22	22	22	23	21	21
51	16	1	22	22	23	21	22
52	16	20	22	22	23	21	21
53	16	39	22	22	23	21	21
54	16	58	22	22	23	21	21
55	17	17	22	22	23	22	22
56	17	36	22	22	23	21	22
57	17	55	22	22	23	22	22
58	18	14	22	22	23	21	22
59	18	33	22	22	23	22	22
60	18	52	22	22	23	22	22
61	19	11	23	26	24	22	22
62	19	30	22	22	23	22	22
63	19	49	22	22	23	22	21
64	20	8	22	22	23	22	22
65	20	27	22	22	23	22	22
66	20	46	22	22	23	22	22
67	21	5	22	22	23	22	22
68	21	24	22	22	23	22	22
69	21	43	22	22	23	22	21
70	22	2	22	22	23	22	22
71	22	21	22	22	23	22	22
72	22	40	22	22	23	22	21
73	22	59	22	22	23	22	22
74	23	18	22	22	24	22	21
75	23	37	22	22	23	22	21
76	23	56	22	22	24	22	22
77	24	15	22	22	23	22	22
78	24	34	22	22	24	22	22
79	24	53	22	22	23	22	21
80	25	12	22	22	23	22	22
81	25	31	22	23	23	22	22
82	25	50	22	23	24	22	22
83	26	9	22	22	23	22	22
84	26	28	23	22	24	22	21
85	26	47	22	23	23	22	22
86	27	6	22	23	23	22	22
87	27	25	22	22	23	22	21
88	27	44	22	21	23	22	21
89	28	3	22	21	24	22	21
90	*	*	*	*	*	*	*
92	29	0	22	21	23	22	21
93	29	19	22	22	23	22	22
94	29	38	22	23	23	22	21
95	29	57	22	23	24	22	22
96	30	16	22	23	24	21	22

3-16 LOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
22	23	21	22	22	22	21	20	21
22	23	21	21	22	22	20	20	21
22	23	21	21	22	22	20	19	21
22	22	21	21	22	22	20	20	21
22	23	21	21	22	22	21	19	21
22	23	21	22	22	22	20	19	21
22	23	21	21	22	22	20	19	21
22	23	21	21	22	22	20	19	21
22	23	21	21	22	22	20	19	20
22	23	22	22	22	22	20	19	21
22	23	21	22	22	22	20	19	21
22	23	22	22	22	22	20	19	21
22	23	21	22	22	22	20	19	21
22	23	22	22	22	22	20	19	21
22	23	22	22	22	23	20	19	21
26	24	22	22	22	23	20	19	21
22	23	22	22	22	23	20	19	21
22	23	22	21	22	22	20	19	21
22	23	22	22	22	22	20	18	21
22	23	22	22	22	22	19	19	21
22	23	22	22	22	22	20	19	21
22	23	22	22	22	22	19	19	21
22	23	22	22	22	22	19	19	21
22	23	22	21	22	22	19	19	21
22	23	22	22	22	22	20	19	21
22	23	22	22	22	22	19	19	20
22	23	22	21	22	22	19	19	20
22	23	22	22	22	22	19	19	21
22	24	22	21	22	22	20	19	21
22	23	22	21	22	22	19	19	21
22	24	22	22	22	22	20	19	21
22	23	22	22	22	22	20	19	21
22	24	22	22	22	22	20	19	21
22	23	22	21	22	22	20	19	21
22	23	22	22	22	22	19	19	20
23	23	22	22	23	22	20	18	20
23	24	22	22	22	22	20	19	21
22	23	22	22	23	22	19	19	21
22	24	22	21	22	22	19	19	21
23	23	22	22	22	22	20	18	20
23	23	22	22	22	22	19	18	21
22	23	22	21	22	22	19	18	20
21	23	22	21	22	23	19	18	21
21	24	22	21	22	22	19	19	20
*	*	*	*	*	*	*	*	*
21	23	22	21	22	22	19	19	21
22	23	22	22	22	22	18	18	20
23	23	22	21	22	22	19	18	21
23	24	22	22	21	23	19	18	20
23	24	21	22	22	22	19	18	21

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
97	30	35	22	24	23	22	22
98	30	54	22	23	23	22	21
99	31	13	22	24	24	22	22
100	31	32	22	22	23	22	22
101	31	51	22	22	23	23	21
102	32	10	22	23	23	22	22
103	32	29	22	23	23	22	23
104	32	48	22	24	24	22	20
105	33	7	22	23	23	22	22
106	33	26	23	21	23	22	21
107	33	45	22	23	24	22	22
108	34	4	22	23	24	22	22
109	34	24	22	23	24	22	22
110	34	43	22	23	24	22	22
111	35	2	22	23	23	22	22
112	35	21	22	23	23	21	21
113	35	40	23	23	23	22	22
114	35	59	22	24	23	21	22
115	36	18	22	23	24	21	22
116	36	37	22	21	24	22	20
117	36	56	22	23	24	22	22
118	37	15	22	24	24	22	21
119	37	34	22	24	24	22	22
120	37	53	22	22	24	22	20
121	38	12	22	24	24	22	22
122	38	31	22	24	24	22	22
123	38	50	22	23	24	22	22
124	39	9	22	22	23	23	21
125	39	28	22	21	24	23	21
126	39	47	22	25	24	22	22
127	40	6	22	21	23	23	20
128	40	25	22	24	24	22	22
129	40	44	21	23	24	22	22
130	41	3	22	24	24	22	22
131	41	22	22	24	24	22	22
132	41	41	22	22	23	23	21
133	42	0	22	25	24	22	22
134	42	19	22	24	24	22	21
135	42	38	21	24	24	22	21
136	42	57	22	24	24	22	22
137	43	16	22	22	24	23	20
138	43	35	22	24	24	22	21
139	43	54	21	24	24	22	21
140	44	13	22	24	24	22	21
141	44	32	22	24	24	23	20
142	44	51	22	21	24	23	19
143	45	10	22	22	24	22	20
144	45	29	22	24	24	22	21
145	45	48	22	25	24	22	22
146	46	7	21	22	24	22	22

3-16 LOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
24	23	22	22	22	23	19	18	21
23	23	22	21	22	23	19	19	20
24	24	22	22	22	22	19	18	20
22	23	22	22	23	22	19	18	20
22	23	23	21	22	22	19	18	19
23	23	22	22	22	22	19	18	20
23	23	22	23	22	22	19	18	20
24	24	22	20	22	22	19	18	20
23	23	22	22	22	22	19	18	20
21	23	22	21	22	22	19	18	20
23	24	22	22	22	22	19	18	21
23	24	22	22	22	22	19	18	20
23	24	22	22	22	23	19	18	21
23	24	22	22	22	23	19	19	21
23	23	22	22	22	23	19	18	20
23	23	21	21	22	22	19	18	20
23	23	22	22	22	22	19	18	20
24	23	21	22	22	22	19	19	20
23	24	21	22	22	23	19	18	19
21	24	22	20	22	23	19	18	20
23	24	22	22	22	22	18	19	20
24	24	22	21	22	23	19	18	19
24	24	22	22	22	23	20	18	20
22	24	22	20	22	23	19	18	20
24	24	22	22	22	23	19	18	20
24	24	22	22	22	23	19	18	20
23	24	22	22	22	23	19	18	19
22	23	23	21	22	23	19	18	20
21	24	23	21	22	24	19	18	19
25	24	22	22	22	23	19	18	20
21	23	23	20	22	23	19	18	20
24	24	22	22	22	23	18	18	20
23	24	22	22	22	23	18	18	21
24	24	22	22	22	23	18	18	20
24	24	22	22	22	23	19	18	20
22	23	23	21	22	23	18	17	19
25	24	22	22	22	23	19	18	20
24	24	22	21	22	23	18	17	20
24	24	22	21	22	23	19	17	19
24	24	22	22	22	23	19	17	19
22	24	23	20	23	23	18	17	19
24	24	22	21	22	24	19	17	19
24	24	22	21	22	23	18	18	19
24	24	22	21	23	23	19	18	20
24	24	23	20	22	23	19	17	20
24	24	23	19	22	23	18	17	19
21	24	22	20	23	24	18	18	19
22	24	22	21	23	23	18	17	20
24	24	22	22	23	23	19	18	20
25	24	22	22	23	23	19	18	20
22	24	22	22	23	23	19	18	20

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
147	46	26	22	24	24	22	21
148	46	45	22	21	24	23	20
149	47	4	22	21	24	22	19
150	47	23	21	24	24	22	21
151	47	42	21	24	24	22	20
152	48	1	21	25	24	22	21
153	48	20	21	24	24	22	21
154	48	38	22	22	24	23	19
155	48	57	21	24	24	22	21
156	49	16	21	24	24	22	21
157	49	35	21	24	24	22	21
158	49	54	21	23	24	22	21
159	50	13	22	24	24	22	21
160	50	32	21	23	24	22	20
161	50	51	21	24	24	21	21
162	51	10	22	23	24	22	19
163	51	29	21	23	24	22	21
164	51	48	21	23	24	22	20
165	52	7	21	25	24	22	21
166	52	26	22	24	24	21	22
167	52	45	21	24	24	22	21
168	53	4	22	22	24	22	19
169	53	23	21	23	24	22	21
170	53	42	21	22	24	22	20
171	54	1	22	22	24	22	20
172	54	20	21	22	24	22	20
173	54	39	21	23	24	22	21
174	54	58	22	22	24	22	20
175	55	17	21	23	24	21	22
176	55	36	21	24	24	22	20
177	55	55	21	23	24	22	21
178	56	14	22	24	25	22	21
179	56	33	21	24	24	22	21
180	56	52	21	24	24	22	21
181	57	11	21	24	24	21	21
182	57	30	22	22	24	22	19
183	57	49	21	25	25	21	21
184	58	8	21	24	24	22	20
185	58	27	21	25	24	22	20
186	58	46	21	25	25	22	21
187	59	5	22	23	24	22	19
188	59	24	21	25	25	21	21
189	59	43	21	25	25	22	21
190	60	2	21	25	25	22	22
191	60	21	22	23	25	22	20
192	60	40	21	24	25	22	22
193	60	59	21	25	25	22	22
194	61	18	22	23	24	23	20
195	61	37	22	24	25	22	21
196	61	56	22	23	24	22	21

3-16 LOTS FLOOR MASS AIR EMP G.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
24	24	22	21	22	23	18	17	20
21	24	23	20	22	23	19	17	19
21	24	22	19	23	23	18	18	19
24	24	22	21	23	23	18	17	20
24	24	22	20	23	23	18	17	20
25	24	22	21	22	24	19	17	19
24	24	22	21	23	23	18	18	19
22	24	23	19	23	24	18	18	19
24	24	22	21	22	23	19	18	19
24	24	22	21	22	23	18	17	20
24	24	22	21	23	23	18	17	19
23	24	22	21	23	24	18	17	19
24	24	22	21	22	24	18	17	19
23	24	22	20	22	24	18	17	19
24	24	21	21	22	24	18	17	20
23	24	22	19	22	23	18	16	19
23	24	22	21	23	23	18	17	19
23	24	22	20	22	24	18	17	19
25	24	22	21	23	24	19	17	19
24	24	21	22	23	24	18	17	19
24	24	22	21	23	23	18	17	20
22	24	22	19	23	24	18	17	19
23	24	22	21	23	24	18	17	19
22	24	22	20	22	23	18	17	19
22	24	22	20	23	24	17	17	19
22	24	22	20	22	24	17	17	19
23	24	22	21	23	24	18	17	19
22	24	22	20	22	24	18	17	19
23	24	21	22	23	23	18	17	19
24	24	22	20	22	24	18	16	19
23	24	22	21	24	23	18	17	19
24	25	22	21	22	24	18	17	19
24	24	22	21	23	24	18	16	19
24	24	22	21	22	24	18	17	20
24	24	21	21	23	23	18	16	19
22	24	22	19	23	24	18	17	18
25	25	21	21	22	24	18	17	19
24	24	22	20	22	24	18	17	19
25	24	22	20	23	23	18	17	19
25	25	22	21	22	24	18	17	19
23	24	22	19	23	24	17	17	19
25	25	21	21	23	24	18	17	19
25	25	22	21	22	24	18	16	19
25	25	22	22	23	24	18	17	19
23	25	22	20	23	23	18	17	18
24	25	22	22	23	22	18	17	19
25	25	22	22	22	21	19	18	19
23	24	23	20	23	20	19	19	18
24	25	22	21	22	20	20	19	19
23	24	22	21	24	20	20	20	19

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
197	62	15	22	23	23	23	21
198	62	34	22	23	23	22	21
199	62	53	22	24	23	22	22
200	63	12	22	23	23	22	22
201	63	31	22	24	23	22	22
202	63	50	22	25	22	22	22
203	64	9	22	26	22	22	21
204	64	28	22	24	22	22	21
205	64	47	22	24	22	22	22
206	65	6	22	23	22	22	21
207	65	25	22	25	22	22	21
208	65	44	22	24	22	22	22
209	66	3	22	24	22	22	22
210	66	22	22	24	22	22	22
211	66	41	22	23	22	22	21
212	67	0	22	24	21	21	22
213	67	19	22	25	21	22	21
214	67	38	22	25	20	21	22
215	67	57	22	24	20	21	21
216	68	16	22	25	21	21	21
217	68	35	21	23	21	22	21
218	68	54	22	24	20	22	21
219	69	13	22	25	19	21	22
220	69	32	22	22	21	22	21
221	69	51	22	22	21	22	22
222	70	10	21	25	21	22	21
223	70	30	21	24	20	21	22
224	70	49	21	24	20	21	22
225	71	8	21	24	19	22	21
226	71	27	21	24	19	22	21
227	71	46	21	23	19	22	21
228	72	5	21	25	20	22	22
229	72	24	21	24	19	22	21
230	72	43	21	24	21	22	22
231	73	2	21	23	20	22	22
232	73	21	21	24	21	22	22
233	73	40	21	24	19	22	21
234	73	59	20	24	19	22	22
235	74	18	20	23	20	22	21
236	74	37	21	24	19	21	21
237	74	56	21	23	20	22	21
238	75	15	20	25	20	22	21
239	75	34	21	22	19	22	22
240	75	53	21	22	19	21	22
241	76	12	21	23	19	22	22
242	76	31	21	23	19	21	22
243	76	50	21	23	20	21	22
244	77	9	21	23	20	22	21
245	77	28	21	22	20	22	22
246	77	47	20	23	20	22	22

3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
23	23	23	21	22	21	20	20	19
23	23	22	21	22	20	19	20	19
24	23	22	22	23	20	20	19	19
23	23	22	22	23	20	20	19	19
24	23	22	22	23	20	19	19	20
25	22	22	22	23	20	20	19	19
26	22	22	21	22	20	20	19	19
24	22	22	21	22	21	20	20	18
24	22	22	22	23	19	20	19	19
23	22	22	21	22	20	20	19	19
25	22	22	21	22	19	19	19	19
24	22	22	22	22	19	19	19	19
24	22	22	22	22	19	19	19	20
24	22	22	22	23	19	19	19	19
23	22	22	21	22	20	19	19	20
24	21	21	22	23	18	18	17	19
25	21	22	21	22	18	18	18	19
25	20	21	22	23	18	18	18	19
24	20	21	21	24	18	18	18	18
25	21	21	21	23	17	17	17	19
23	21	22	21	22	17	18	17	19
24	20	22	21	22	18	17	17	18
25	19	21	22	22	18	18	17	19
22	21	22	21	22	17	17	17	19
22	21	22	22	23	18	18	18	19
25	21	22	21	22	17	17	17	18
24	20	21	22	22	17	17	17	18
24	20	21	22	22	17	17	16	18
24	19	22	21	22	17	16	17	18
24	19	22	21	22	17	16	16	18
23	19	22	21	24	17	17	17	18
25	20	22	22	22	17	16	17	18
24	19	22	21	23	17	17	17	18
24	21	22	22	23	17	17	17	18
23	20	22	22	24	17	18	17	19
24	21	22	22	23	17	17	17	18
24	19	22	21	23	17	17	17	18
24	19	22	22	23	16	16	16	18
23	20	22	21	23	17	17	17	18
24	19	21	21	23	17	17	16	18
23	20	22	21	22	17	17	17	18
25	20	22	21	23	17	17	16	16
22	19	22	22	23	16	17	16	18
22	19	21	22	23	17	17	17	18
23	19	22	22	23	17	17	17	18
23	19	21	22	24	17	17	17	18
23	20	21	22	23	17	17	17	18
23	20	22	21	22	17	17	17	18
22	20	22	22	22	17	17	17	17
23	20	22	22	23	18	17	17	18

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3- CO-P FO LEV A TE DEG
247	78	6	20	25	21	22	
248	78	25	20	22	19	22	
249	78	44	21	24	21	21	
250	79	3	21	24	21	22	
251	79	22	20	23	20	21	
252	79	41	21	24	20	21	
253	80	0	20	21	21	21	
254	80	19	21	24	21	21	
255	80	38	21	23	20	21	
256	80	57	22	22	20	21	
257	81	16	21	24	20	22	
258	81	35	21	23	20	21	
259	81	54	21	24	22	21	
260	82	13	20	22	20	21	
261	82	32	21	22	20	21	
262	82	51	21	22	21	21	
263	83	10	21	22	22	22	
264	83	29	21	21	22	22	
265	83	47	21	22	22	21	
266	84	8	21	23	21	21	
267	84	27	21	22	21	22	
268	84	46	21	22	22	22	
269	85	5	21	22	22	22	
270	85	24	21	22	22	21	
271	85	43	21	22	23	22	
272	86	2	22	22	22	22	
273	86	21	21	21	22	22	
274	86	40	22	23	22	22	
275	86	59	21	21	22	22	
276	87	18	22	23	23	22	
277	87	37	21	22	23	22	
278	87	56	22	21	22	22	
279	88	15	21	22	22	22	
280	88	34	21	23	22	22	
281	88	53	21	22	23	22	
282	89	12	21	21	24	22	
283	89	31	21	24	23	23	
284	89	51	22	22	24	22	
285	90	10	21	22	23	23	
286	90	29	22	23	23	23	
287	90	48	22	22	24	23	
288	91	7	21	23	24	22	
289	91	26	21	22	24	23	
290	91	45	22	22	24	23	
291	92	4	22	24	23	23	
292	92	23	22	24	24	22	
293	92	42	21	22	24	23	
294	93	1	22	22	24	23	
295	93	20	21	24	24	24	
296	93	39	22	24	24	23	

3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
25	2.	22	21	22	17	17	17	17
22	19	22	21	23	17	17	17	17
24	21	21	22	22	17	17	17	18
24	21	22	22	23	17	18	17	18
23	20	21	22	22	18	18	18	18
24	20	21	22	22	18	18	18	18
21	21	21	22	22	18	18	18	18
24	21	21	21	22	18	19	18	18
23	20	21	21	22	18	19	18	17
22	20	21	21	23	19	19	19	18
24	20	22	21	23	19	19	19	18
23	20	21	22	23	18	18	18	18
24	22	21	21	22	19	18	18	18
22	20	21	22	22	19	19	19	18
22	20	21	22	22	19	19	18	18
22	21	21	22	22	19	19	19	18
22	22	22	22	22	19	19	19	18
21	22	22	22	22	19	19	19	18
22	22	21	22	22	20	19	20	19
23	21	21	22	22	20	19	20	19
22	21	22	22	23	21	20	20	19
22	22	22	22	22	20	20	20	19
22	22	22	22	22	21	20	21	19
22	22	21	22	22	21	21	21	19
22	23	22	22	22	21	21	21	19
22	22	22	22	23	21	21	20	19
21	22	22	22	22	21	21	21	19
23	22	22	22	22	21	21	21	19
21	22	22	22	22	21	21	20	19
23	23	22	22	22	21	21	21	19
22	23	22	22	22	21	21	21	19
21	22	22	22	22	21	21	20	19
22	22	22	22	22	21	21	21	19
23	22	22	22	23	21	21	20	19
22	23	22	23	22	21	21	20	19
21	24	22	22	22	21	21	21	19
24	23	23	22	22	22	22	21	19
22	24	22	22	22	22	22	21	19
22	23	23	23	22	22	22	21	20
23	23	23	22	22	22	22	21	19
22	24	23	23	22	21	22	21	20
23	24	22	22	24	22	22	21	19
22	24	23	22	22	21	21	21	19
22	24	23	22	23	22	22	21	20
24	23	23	22	23	22	21	21	19
24	24	22	22	23	22	21	21	20
22	24	23	23	22	22	22	21	19
22	24	23	23	23	22	22	20	19
24	24	24	22	24	22	22	20	19
24	24	23	22	23	22	22	21	20

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
297	93	58	22	22	25	24	22
298	94	18	22	23	24	24	23
299	94	37	22	22	24	24	22
300	94	56	22	24	24	23	22
301	95	15	22	23	25	24	22
302	95	34	22	24	25	23	22
303	95	53	21	23	25	23	22
304	96	12	22	22	25	24	23
305	96	31	22	22	24	24	22
306	96	50	21	22	25	24	23
307	97	9	22	23	24	24	23
308	97	28	22	22	24	24	22
309	97	47	22	24	25	23	23
310	98	7	22	23	25	24	23
311	98	26	21	24	25	24	23
312	98	45	22	23	25	24	22
313	99	4	22	22	25	24	22
314	99	23	22	24	25	24	23
315	99	42	22	23	26	24	23
316	100	1	22	22	26	24	22
317	100	20	22	23	25	24	23
318	100	39	22	24	26	24	23
319	100	58	22	24	25	25	23
320	101	17	22	24	26	25	23
321	101	36	22	25	25	24	23
322	101	55	23	24	25	25	23
323	102	14	22	24	25	24	22
324	102	34	23	24	26	24	23
325	102	53	22	23	26	24	23
326	103	12	23	23	25	25	23
327	103	31	22	23	26	25	23
328	103	50	23	22	27	25	23
329	104	9	22	23	26	24	23
330	104	28	22	25	26	24	23
331	104	47	22	23	27	25	24
332	105	6	22	24	25	25	23
333	105	25	22	23	27	24	23
334	105	44	23	23	27	25	23
335	106	4	23	24	27	24	23
336	106	23	22	24	27	25	24
337	106	42	22	24	26	25	24
338	107	1	22	24	27	24	24
339	107	20	22	24	26	25	24
340	107	39	23	24	27	25	23
341	107	58	22	25	26	25	24
342	108	17	22	23	27	24	22
343	108	36	22	25	27	25	22
344	108	56	23	24	28	25	2.
345	109	33	23	24	27	25	23
346	110	19	23	24	26	24	

3-16 ILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
22	25	24	22	22	22	22	21	19
23	24	24	23	22	22	22	21	19
22	24	24	22	23	22	22	21	19
24	24	23	22	23	22	22	21	19
23	25	24	22	23	22	22	21	19
24	25	23	22	23	22	22	21	19
23	25	23	22	23	22	22	22	20
22	25	24	23	23	22	22	22	20
22	24	24	22	23	22	22	22	20
22	25	24	23	23	22	22	22	20
23	24	24	23	23	22	22	22	20
22	24	24	22	22	23	23	22	20
24	25	23	23	23	23	23	22	20
23	25	24	23	22	22	23	21	20
24	26	24	23	23	23	22	21	20
23	25	24	22	22	22	22	21	21
22	25	24	22	23	23	22	22	21
24	25	24	23	24	23	22	22	20
23	26	24	23	23	23	22	21	21
22	26	24	22	22	23	22	22	21
23	25	25	23	22	23	22	21	20
24	26	24	23	23	23	22	21	21
24	25	25	23	23	23	22	21	20
24	26	25	23	23	22	22	22	20
25	25	24	23	23	22	23	22	20
24	25	25	23	24	22	22	22	20
24	25	24	22	25	22	23	22	21
24	26	24	23	24	23	23	22	20
23	26	24	23	23	23	22	22	21
23	25	25	23	23	24	23	23	21
23	26	25	23	23	24	23	22	21
22	27	25	23	23	24	22	22	21
23	26	24	23	24	23	23	22	21
25	26	24	23	23	22	22	22	21
23	27	25	24	24	23	22	22	21
24	25	25	23	22	22	23	22	20
23	27	24	23	24	22	23	22	21
23	27	25	23	24	23	23	22	21
24	27	24	23	24	23	23	22	21
24	27	25	24	22	23	22	22	21
24	26	25	24	23	23	22	22	21
24	27	24	24	23	22	22	22	21
24	26	25	24	24	23	22	22	21
24	27	25	23	24	22	22	22	21
25	26	25	24	23	22	22	22	21
23	27	24	22	25	22	23	22	21
25	27	25	22	25	22	23	22	21
24	26	25	22	25	22	22	22	22
24	27	25	23	24	22	22	22	21
24	26	24	23	24	22	22	21	21

-01 SHEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
347	110	36	22	25	26	24	24
348	110	57	23	22	26	25	22
349	111	17	22	25	27	24	24
350	111	36	23	23	26	25	22
351	111	55	23	23	26	25	22
352	112	14	22	23	27	26	22
353	112	33	23	23	27	25	22
354	112	52	23	24	27	24	23
355	113	11	22	24	27	25	23
356	113	30	22	24	26	24	23
357	*	*	*	*	*	*	*

3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
25	26	24	24	23	22	22	22	21
22	26	25	22	24	23	21	22	21
25	27	24	24	23	24	22	22	21
23	26	25	22	24	24	22	22	21
23	26	25	22	24	24	22	22	21
23	27	26	22	24	24	22	22	21
23	27	25	22	24	24	22	22	21
24	27	24	23	24	24	22	22	21
24	27	25	23	24	24	22	21	21
24	26	24	23	24	24	22	21	21
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
4 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
1	0	10	23	22	21	22
2	0	29	23	22	21	22
3	0	48	23	22	21	22
4	1	7	23	22	21	22
5	1	26	22	22	21	21
6	1	45	23	22	21	21
7	2	4	23	22	21	21
8	2	23	22	22	21	21
9	2	42	22	22	21	21
10	3	1	22	22	21	22
11	3	20	22	22	21	21
12	3	39	23	22	21	22
13	3	58	22	22	21	21
14	20	57	22	22	21	22
15	21	16	22	21	21	21
16	21	35	22	21	21	21
17	21	54	22	21	21	21
18	22	13	22	21	21	22
19	22	31	22	21	21	22
20	6	12	22	22	22	22
21	6	31	22	21	21	22
22	6	50	22	21	21	22
23	23	49	21	21	21	22
24	24	6	22	21	21	22
25	24	27	21	21	21	22
26	24	46	21	21	21	21
27	25	5	21	21	21	21
28	25	24	21	21	21	21
29	25	43	21	21	21	21
30	26	2	21	20	21	21
31	26	21	21	20	20	21
32	26	40	21	20	20	21
33	26	59	20	20	20	21
34	10	38	21	20	21	21
35	27	37	20	21	20	21
36	27	56	21	20	21	21
37	11	35	21	20	20	22
38	29	34	21	20	21	22
39	28	53	21	20	21	22
40	29	12	21	21	20	21
41	12	51	21	20	20	22
42	13	10	21	20	20	21
43	13	29	22	21	21	27
44	13	48	21	19	20	22
45	30	47	22	20	21	26

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
46	31	6	21	20	20	21
47	31	25	21	19	20	21
48	15	4	21	19	20	21
49	32	3	21	20	20	21
50	32	22	22	19	20	21
51	16	1	22	19	20	21
52	16	20	22	19	20	21
53	16	39	21	19	20	21
54	16	58	22	20	20	21
55	17	17	22	20	20	21
56	17	36	22	19	20	21
57	17	55	22	19	20	21
58	18	14	22	19	20	21
59	18	33	22	19	20	21
60	18	52	22	19	20	21
61	19	11	22	19	19	21
62	19	30	22	20	19	21
63	19	49	22	20	19	21
64	20	8	22	20	19	21
65	20	27	22	20	19	21
66	20	46	22	19	19	21
67	21	5	22	20	19	21
68	21	24	22	20	19	21
69	21	43	22	20	19	21
70	22	2	22	19	19	21
71	22	21	22	19	18	21
72	22	40	22	20	18	21
73	22	59	22	20	18	21
74	23	18	22	20	18	21
75	23	37	22	20	18	21
76	23	56	22	20	19	21
77	24	15	22	19	18	21
78	24	34	22	20	18	21
79	24	53	22	19	18	21
80	25	12	22	19	18	21
81	25	31	22	20	19	21
82	25	50	22	20	18	21
83	26	9	22	20	18	21
84	26	28	22	20	18	21
85	26	47	22	20	18	21
86	27	6	22	20	18	20
87	27	25	22	20	18	21
88	27	44	22	19	18	21
89	28	3	22	20	18	20
90	*	*	*	*	*	*
92	29	0	22	19	18	20
93	29	19	22	19	18	21
94	29	38	21	19	18	21
95	29	57	22	19	17	20
96	30	16	22	19	18	21

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
97	30	35	22	19	18	20
98	30	54	22	19	17	21
99	31	13	22	19	17	20
100	31	32	22	19	18	20
101	31	51	22	19	18	20
102	32	10	22	19	17	20
103	32	29	22	19	17	21
104	32	48	22	19	18	20
105	33	7	22	19	17	20
106	33	26	21	19	18	21
107	33	45	22	19	18	20
108	34	4	21	19	17	19
109	34	24	22	19	18	20
110	34	43	22	19	17	20
111	35	2	22	19	17	19
112	35	21	22	19	17	19
113	35	40	22	19	18	20
114	35	59	22	19	17	19
115	36	18	22	19	17	19
116	36	37	22	19	17	20
117	36	56	22	19	18	20
118	37	15	22	19	18	20
119	37	34	22	19	17	19
120	37	53	22	19	17	19
121	38	12	22	19	17	19
122	38	31	22	19	16	19
123	38	50	22	19	16	19
124	39	9	22	19	16	19
125	39	28	22	19	17	20
126	39	47	22	19	16	19
127	40	6	22	18	17	20
128	40	25	22	18	16	20
129	40	44	22	18	16	19
130	41	3	22	18	16	19
131	41	22	22	18	15	19
132	41	41	22	18	16	19
133	42	0	22	18	16	19
134	42	19	22	18	15	19
135	42	38	22	18	16	19
136	42	57	22	17	16	19
137	43	16	21	17	16	19
138	43	35	21	18	17	19
139	43	54	21	18	17	19
140	44	13	21	18	17	19
141	44	32	22	18	17	19
142	44	51	22	18	17	19
143	45	10	22	18	17	19
144	45	29	22	18	17	18
145	45	48	22	18	16	19
146	46	7	22	18	16	19

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
147	46	26	22	18	16	19
148	46	45	22	18	16	19
149	47	4	22	18	17	18
150	47	23	22	18	17	19
151	47	42	22	18	17	19
152	48	1	22	18	17	19
153	48	20	22	18	17	19
154	48	38	22	18	17	18
155	48	57	22	18	16	19
156	49	16	22	18	15	19
157	49	35	22	18	16	18
158	49	54	22	18	16	18
159	50	13	22	17	16	19
160	50	32	22	17	16	19
161	50	51	22	17	16	18
162	51	10	22	18	15	18
163	51	29	22	18	15	18
164	51	48	22	18	15	19
165	52	7	22	18	15	19
166	52	26	22	18	15	18
167	52	45	22	18	15	18
168	53	4	22	17	15	18
169	53	23	22	18	15	18
170	53	42	22	18	15	18
171	54	1	22	17	15	18
172	54	20	22	18	15	18
173	54	38	22	17	15	19
174	54	58	22	18	15	18
175	55	17	22	17	15	19
176	55	36	22	18	15	18
177	55	55	22	17	15	18
178	56	14	22	18	15	18
179	56	33	22	18	15	18
180	56	52	22	17	15	19
181	57	11	22	17	15	18
182	57	30	22	18	15	18
183	57	49	22	17	15	18
184	58	8	22	17	15	18
185	58	27	22	17	15	18
186	58	46	22	17	15	18
187	59	5	22	17	15	19
188	59	24	22	17	15	18
189	59	43	22	17	15	18
190	60	2	22	17	17	19
191	60	21	21	19	18	18
192	60	40	20	20	19	18
193	60	59	20	20	19	18
194	61	18	20	20	19	18
195	61	37	20	20	19	18
196	61	56	21	21	19	18

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
197	62	15	21	21	20	18
198	62	34	21	21	20	18
199	62	53	21	21	20	18
200	63	12	21	21	19	18
201	63	31	21	20	20	18
202	63	50	21	20	20	18
203	64	9	21	21	20	18
204	64	28	21	21	20	19
205	64	47	20	21	20	19
206	65	6	20	21	20	18
207	65	25	21	21	20	19
208	65	44	21	20	20	19
209	66	3	21	20	20	19
210	66	22	21	20	20	19
211	66	41	20	20	20	19
212	67	0	20	20	19	19
213	67	19	19	19	20	19
214	67	38	19	19	19	19
215	67	57	19	19	19	19
216	68	16	19	19	19	18
217	68	35	19	19	19	18
218	68	54	19	19	19	19
219	69	13	19	19	19	19
220	69	32	19	18	19	19
221	69	51	19	18	19	19
222	70	10	19	19	19	18
223	70	30	19	19	19	18
224	70	49	19	19	19	19
225	71	8	19	18	19	19
226	71	27	19	18	19	19
227	71	46	19	19	19	19
228	72	5	19	18	19	20
229	72	24	19	19	19	19
230	72	43	19	19	19	19
231	73	2	19	19	19	20
232	73	21	19	19	19	19
233	73	40	19	19	19	19
234	73	59	19	18	19	19
235	74	18	18	18	19	19
236	74	37	19	19	19	20
237	74	56	18	18	19	19
238	75	15	18	19	19	19
239	75	34	19	18	19	19
240	75	53	19	18	19	19
241	76	12	19	18	19	19
242	76	31	18	18	19	19
243	76	50	18	18	19	20
244	77	9	19	18	19	19
245	77	28	19	18	19	19
246	77	47	19	19	19	19

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
247	78	6	19	18	19	20
248	78	25	18	18	19	19
249	78	44	18	18	18	19
250	79	3	18	18	18	19
251	79	22	19	19	19	19
252	79	41	19	18	19	19
253	80	0	19	19	19	20
254	80	19	19	19	19	20
255	80	38	19	19	19	19
256	80	57	20	19	19	19
257	81	16	20	20	20	20
250	81	35	19	19	19	19
259	81	54	19	19	19	19
260	82	13	19	20	19	19
261	82	32	19	20	19	19
262	82	51	20	19	20	19
263	83	10	20	20	20	19
264	83	29	20	20	20	19
265	83	47	21	20	20	19
266	84	8	21	20	21	19
267	84	27	21	21	21	20
268	84	46	21	21	21	20
269	85	5	21	22	21	19
270	85	24	21	21	21	20
271	85	43	22	22	21	20
272	86	2	22	22	21	19
273	86	21	22	22	21	20
274	86	40	22	22	21	21
275	86	59	21	22	21	20
276	87	18	22	22	21	20
277	87	37	22	22	21	21
278	87	56	22	22	21	20
279	88	15	22	22	21	20
280	88	34	22	22	21	20
281	88	53	22	22	21	21
282	89	12	22	22	21	21
283	89	31	22	22	21	20
284	89	51	22	22	21	21
285	90	10	22	22	21	21
286	90	29	22	22	21	21
287	90	48	23	22	21	20
288	91	7	23	22	21	20
289	91	26	23	22	21	21
290	91	45	22	22	21	21
291	92	4	23	22	21	21
292	92	23	22	22	22	21
293	92	42	22	22	21	21
294	93	1	22	22	21	21
295	93	20	23	22	22	21
296	93	39	23	22	21	21

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
297	93	58	22	22	22	21
298	94	18	23	23	22	21
299	94	37	23	22	22	21
300	94	56	24	22	21	21
301	95	15	24	23	21	21
302	95	34	23	23	22	22
303	95	53	23	23	22	21
304	96	12	23	24	22	21
305	96	31	23	23	22	22
306	96	50	23	23	22	21
307	97	9	24	23	22	22
308	97	28	23	23	22	22
309	97	47	23	23	22	22
310	98	7	23	23	22	21
311	98	26	23	23	22	21
312	98	45	24	23	22	22
313	99	4	24	23	22	22
314	99	23	24	23	22	22
315	99	42	24	23	22	22
316	100	1	24	24	22	22
317	100	20	24	24	22	22
318	100	39	25	24	22	22
319	100	58	24	23	22	22
320	101	17	24	23	22	22
321	101	36	24	23	22	22
322	101	55	24	23	22	22
323	102	14	24	24	22	22
324	102	34	24	24	22	22
325	102	53	24	24	22	22
326	103	12	24	24	22	22
327	103	31	24	24	22	22
328	103	50	24	24	22	22
329	104	9	24	24	22	22
330	104	28	24	24	22	22
331	104	47	24	24	22	22
332	105	6	24	24	22	22
333	105	25	24	24	22	22
334	105	44	24	24	22	22
335	106	4	25	24	22	23
336	106	23	25	24	22	23
337	106	42	25	24	22	23
338	107	1	24	24	22	22
339	107	20	25	24	22	23
340	107	39	25	24	22	23
341	107	58	25	24	22	23
342	108	17	24	24	22	22
343	108	36	25	25	22	23
344	108	56	25	24	22	23
345	109	33	25	24	22	23
346	110	19	25	24	22	23

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
347	110	38	24	24	22	23
348	110	57	25	23	22	23
349	111	17	24	24	22	23
350	111	36	24	23	22	22
351	111	55	24	23	22	22
352	112	14	24	24	23	22
353	112	33	24	24	22	22
354	112	52	24	24	22	23
355	113	11	24	24	22	23
356	113	30	24	24	23	23
357	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-0 1STAG PUM INLE HYD TEM DEG.
1	0	12	24	24	24	24	22
2	17	11	24	24	24	24	22
3	0	50	24	24	24	23	22
4	1	9	24	24	24	23	22
5	18	8	24	24	23	23	22
6	18	27	24	24	24	23	22
7	18	46	24	23	24	23	22
8	19	5	24	24	24	23	22
9	19	25	24	24	24	23	22
10	3	4	23	24	24	24	22
11	3	23	24	24	23	23	22
12	20	22	24	24	24	23	22
13	20	41	24	23	24	23	22
14	21	0	23	24	24	24	22
15	4	39	24	23	24	23	22
16	21	38	23	24	24	23	22
17	21	57	23	23	23	23	22
18	5	36	24	24	24	23	25
19	22	35	23	24	24	23	22
20	22	54	24	24	24	23	22
21	23	13	23	24	24	23	22
22	23	32	24	24	24	23	22
23	23	51	24	24	24	22	22
24	7	30	24	23	24	23	22
25	7	49	24	24	24	24	25
26	24	48	24	24	23	23	22
27	25	7	24	24	24	22	22
28	25	26	23	24	24	23	22
29	25	45	23	23	23	23	22
30	26	4	23	23	24	22	22
31	26	23	23	23	24	22	22
32	10	2	23	23	23	23	22
33	27	1	23	23	24	22	22
34	10	40	23	24	24	23	22
35	27	39	24	23	23	23	22
36	27	58	23	23	23	22	22
37	28	17	23	24	23	23	22
38	28	36	23	23	23	23	22
39	28	55	24	24	24	23	22
40	12	34	24	24	24	23	22
41	12	53	23	23	24	23	22
42	29	52	23	23	24	23	22
43	30	11	23	24	24	24	24
44	30	30	23	24	23	23	
45	30	49	24	24	24	23	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

4-06 C-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
24	24	24	22	22	23	22	23	23
24	24	24	22	23	23	22	22	23
24	24	23	22	23	23	22	22	23
24	24	23	22	22	23	22	23	23
24	23	23	22	22	23	22	22	23
24	24	23	22	22	23	22	22	23
23	24	23	22	22	23	22	22	23
24	24	23	22	22	23	22	22	23
24	24	23	22	22	23	22	22	23
24	24	24	22	22	23	22	22	23
24	23	23	22	22	23	22	22	23
24	24	23	22	22	23	22	22	23
23	24	23	22	22	23	22	22	23
24	24	24	22	22	23	22	23	22
23	24	23	22	22	23	22	23	23
24	24	23	22	24	23	23	23	26
23	23	23	22	22	22	23	23	27
24	24	23	25	22	23	22	23	22
24	24	23	22	23	23	22	23	23
24	24	23	22	22	23	22	22	23
24	24	23	22	22	23	22	22	23
24	24	22	22	22	23	22	22	23
23	24	23	22	22	23	22	22	22
24	24	24	25	28	23	22	22	23
24	23	23	22	22	23	22	22	23
24	24	22	22	22	23	22	22	23
24	24	23	22	22	23	22	22	22
23	23	23	22	22	23	22	22	22
23	24	22	22	22	23	22	22	22
23	24	22	22	22	23	22	22	23
23	23	23	22	22	23	22	22	23
23	24	22	22	22	23	22	22	22
24	24	23	22	22	23	22	22	23
23	23	22	22	22	23	22	22	23
23	23	23	22	22	23	22	22	23
24	23	23	22	22	23	22	22	23
23	23	23	22	22	23	22	22	23
24	24	23	22	22	23	23	22	23
24	24	23	22	22	23	22	23	23
23	24	23	22	22	23	22	26	23
24	24	24	24	27	27	27	27	26
24	23	23	22	22	23	22	22	22
24	24	23	22	27	23	22	22	23

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-0 1STAGE PUMP INLET HYD. TEMP DEG.C
46	31	8	23	24	23	23	22
47	31	27	23	23	23	23	22
48	15	6	23	23	23	23	22
49	32	5	23	23	23	23	22
50	32	24	23	23	23	23	22
51	32	43	23	23	23	23	22
52	33	2	23	23	24	23	24
53	16	41	23	23	24	23	22
54	17	0	23	23	24	23	22
55	17	19	23	23	24	23	22
56	17	38	23	23	24	23	22
57	17	57	23	23	23	24	22
58	18	16	23	23	24	23	22
59	18	35	23	23	24	23	22
60	18	54	23	24	23	24	22
61	19	13	23	24	23	24	22
62	19	32	23	23	23	24	22
63	19	51	23	23	24	23	22
64	20	10	22	23	24	23	22
65	20	29	23	23	23	24	22
66	20	48	22	23	24	23	22
67	21	7	23	23	23	24	22
68	21	26	23	23	23	24	22
69	21	45	23	23	23	23	22
70	22	4	23	23	24	23	22
71	22	23	23	23	23	23	22
72	22	42	23	23	23	23	22
73	23	1	23	23	23	24	22
74	23	20	23	23	24	24	22
75	23	39	23	22	23	24	22
76	23	58	23	24	24	24	22
77	24	18	24	22	22	22	22
78	24	37	23	22	22	22	22
79	24	56	23	23	22	23	22
80	25	15	23	23	22	23	22
81	25	34	22	24	25	23	22
82	25	53	24	22	22	23	22
83	26	12	22	24	25	24	22
84	26	31	22	25	24	24	22
85	26	50	24	23	24	24	22
86	27	9	23	24	25	24	22
87	27	28	22	23	24	23	22
88	27	47	23	23	22	23	22
89	28	6	21	25	24	24	22
90	*	*	*	*	*	*	*
92	29	3	23	23	22	23	22
93	29	22	22	24	25	24	23
94	29	41	23	22	22	22	22
95	30	0	23	23	22	24	22
96	30	19	24	22	22	23	22

4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
24	23	23	22	22	23	22	22	23
23	23	23	22	22	23	22	22	22
23	23	23	22	22	23	22	22	23
23	23	23	22	22	23	22	22	23
23	23	23	22	22	22	22	22	23
23	23	23	22	22	22	22	22	22
23	24	23	24	22	26	23	25	26
23	24	23	22	22	23	22	22	23
23	24	23	22	22	23	22	22	23
23	24	23	22	22	23	22	22	22
23	24	23	22	22	23	22	22	23
23	23	24	22	22	23	22	22	23
23	24	23	22	22	23	22	22	23
23	24	23	22	22	23	22	22	22
24	23	24	22	22	23	22	22	23
24	23	24	22	22	23	22	22	23
23	23	24	22	22	23	22	22	23
23	24	23	22	22	23	22	22	22
23	24	23	22	22	23	22	22	22
23	23	24	22	22	23	22	22	23
23	24	23	22	22	23	22	22	23
23	23	24	22	22	23	22	22	23
23	23	24	22	22	22	22	22	23
23	23	23	22	22	22	22	22	22
23	24	23	22	22	23	22	22	22
23	23	23	22	22	23	22	22	22
23	23	23	22	22	23	22	22	22
23	23	24	22	22	23	22	22	22
23	24	24	22	22	23	22	22	23
22	23	24	22	22	23	22	22	22
24	24	24	22	22	23	22	22	22
22	22	22	22	22	23	22	25	22
22	22	22	22	22	23	24	31	23
23	22	23	23	22	23	27	35	23
23	22	23	22	22	23	31	38	22
24	25	23	22	22	23	35	42	23
22	22	23	22	22	23	38	44	22
24	25	24	23	22	23	40	46	22
25	24	24	22	22	23	43	50	23
23	24	24	22	22	23	44	52	22
24	25	24	22	22	23	47	55	22
23	24	23	22	22	22	49	56	22
23	22	23	22	22	22	51	59	22
25	24	24	22	22	22	54	60	22
*	*	*	*	*	*	*	*	*
23	22	23	23	22	23	55	63	27
24	25	24	23	22	24	58	66	27
22	22	22	22	24	23	59	66	27
23	22	24	22	22	23	60	68	27
22	22	23	22	23	23	59	68	34

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
97	30	38	22	24	24	24	23
98	30	57	22	24	23	24	23
99	31	16	23	22	21	23	22
100	31	35	22	24	24	24	23
101	31	54	22	24	25	24	23
102	32	13	23	23	22	23	23
103	32	32	23	23	22	24	23
104	32	51	23	24	22	23	24
105	33	10	22	23	22	24	23
106	33	29	24	22	23	23	24
107	33	48	24	22	22	24	24
108	34	7	23	23	24	24	24
109	34	26	23	22	21	23	24
110	34	45	23	22	21	22	24
111	35	4	23	22	22	24	24
112	35	23	22	22	23	24	24
113	35	42	23	22	21	23	25
114	36	1	22	24	25	24	25
115	36	20	23	23	24	24	25
116	36	39	22	25	24	24	25
117	36	58	22	24	25	25	25
118	37	17	23	22	22	24	25
119	37	36	24	23	22	24	25
120	37	55	22	25	25	24	26
121	38	14	24	23	22	24	25
122	38	33	23	23	22	24	25
123	38	52	23	23	24	24	26
124	39	11	22	24	24	24	26
125	39	30	22	24	26	24	27
126	39	49	23	22	22	24	26
127	40	8	22	24	26	25	27
128	40	27	23	23	22	24	26
129	40	46	24	23	22	24	26
130	41	5	24	22	22	24	27
131	41	24	23	23	22	24	27
132	41	43	22	24	23	24	27
133	42	2	23	23	22	24	27
134	42	21	22	23	22	25	27
135	42	40	24	24	25	24	27
136	42	59	24	23	23	24	28
137	43	18	22	24	24	25	28
138	43	37	22	25	24	25	28
139	43	56	22	23	22	24	28
140	44	15	23	24	22	24	27
141	44	34	22	25	25	25	29
142	44	53	22	24	24	25	28
143	45	12	23	23	24	25	29
144	45	31	23	23	22	24	30
145	45	50	24	24	25	24	
146	46	9	23	24	25	25	

4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
24	24	24	23	22	24	56	64	42
24	23	24	23	23	24	58	65	43
22	21	23	22	23	24	56	66	46
24	24	24	23	23	24	56	66	49
24	25	24	23	23	24	58	65	52
23	22	23	23	24	24	58	65	54
23	22	24	23	23	24	58	68	56
24	22	23	24	24	25	59	66	59
23	22	24	23	23	25	59	67	60
22	23	23	24	24	25	60	68	62
22	22	24	24	23	25	60	69	63
23	24	24	24	24	25	61	69	64
22	21	23	24	24	25	63	71	65
22	21	22	24	24	25	64	71	67
22	22	24	24	25	25	63	71	68
22	23	24	24	24	25	64	71	68
22	21	23	25	25	26	65	72	70
24	25	24	25	24	25	66	74	71
23	24	24	25	24	26	65	72	71
25	24	24	25	24	25	66	74	72
24	25	25	25	25	26	68	75	73
22	22	24	25	25	26	68	75	74
23	22	24	25	25	27	69	77	74
25	25	24	26	25	26	69	76	75
22	22	24	25	25	27	70	76	76
23	22	24	25	25	27	71	78	76
23	24	24	26	25	27	71	78	78
24	24	24	26	27	27	72	79	78
24	26	24	27	26	27	73	79	78
22	22	24	26	26	27	73	79	78
24	26	25	27	26	28	73	80	80
23	22	24	26	27	27	74	81	81
23	22	24	26	27	27	75	81	82
22	22	24	27	27	28	75	81	82
23	22	24	27	27	28	76	83	82
24	23	24	27	26	28	76	82	83
23	22	24	27	27	28	77	84	83
23	22	25	27	27	29	78	84	84
24	25	24	27	27	29	78	84	85
23	23	24	28	27	28	78	85	86
24	24	25	28	27	29	78	86	86
25	24	25	28	27	29	80	86	86
23	22	24	28	27	29	81	88	87
24	22	24	27	28	29	81	87	87
25	25	25	28	27	29	81	87	88
24	24	25	28	28	29	81	88	88
23	24	25	29	28	29	81	88	89
23	22	24	30	28	29	82	89	88
24	25	24	30	28	29	82	90	90
24	22	25		29	29	84	89	90

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-0 1STA PU INL HY TE DEG.
147	46	28	22	24	22	24	3
148	46	47	22	25	24	25	3
149	47	6	22	24	25	25	3
150	47	25	24	23	23	24	3
151	47	44	24	23	22	24	3
152	48	3	22	24	22	24	3
153	48	22	22	23	22	24	3
154	48	41	23	24	23	25	3
155	49	0	22	24	22	24	3
156	49	19	22	25	25	25	3
157	49	38	23	23	22	24	3
158	49	57	23	23	22	24	3
159	50	16	22	24	25	25	3
160	50	35	22	24	24	25	3
161	50	54	22	24	23	25	3
162	51	13	22	24	25	25	3
163	51	32	22	24	23	24	3
164	51	51	22	24	25	25	3
165	52	10	22	25	24	25	3
166	52	29	22	25	25	24	3
167	52	48	23	23	22	25	3
168	53	7	22	24	24	25	3
169	53	26	23	23	22	24	3
170	53	45	24	22	23	24	3
171	54	4	24	23	22	25	3
172	54	23	24	22	23	24	3
173	54	42	23	24	22	25	3
174	55	1	23	24	24	25	3
175	55	20	22	24	23	24	3
176	55	39	22	24	25	26	3
177	55	58	24	22	23	24	3
178	56	17	22	25	25	26	3
179	56	36	23	23	22	25	3
180	56	55	22	24	22	25	3
181	57	14	22	25	25	26	3
182	57	33	23	24	23	25	3
183	57	52	21	25	25	25	3
184	58	11	22	25	26	26	3
185	58	30	23	24	22	25	3
186	58	49	22	24	24	25	3
187	59	8	22	24	24	25	3
188	59	27	21	25	25	26	3
189	59	46	22	25	24	24	3
190	60	5	23	24	24	26	3
191	60	24	22	24	25	25	3
192	60	43	22	24	23	24	3
193	61	2	22	24	22	25	3
194	61	21	22	24	24	25	3
195	61	40	22	25	25	25	3
196	61	59	23	24	23	24	3

4-06 PLT OSHD SIDE PER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
24	22	24	30	29	30	84	90	91
25	24	25	31	29	30	85	91	91
24	25	25	31	29	30	85	91	92
23	23	24	31	29	30	85	91	92
23	22	24	31	29	30	86	92	93
24	22	24	31	29	31	86	93	93
23	22	24	31	29	31	87	93	93
24	23	25	31	29	32	86	93	94
24	22	24	32	29	31	87	94	94
25	25	25	31	29	31	87	94	95
23	22	24	32	30	31	87	94	94
23	22	24	32	30	31	88	94	95
24	25	25	32	29	31	88	95	96
24	24	25	32	30	31	88	95	96
24	23	25	32	31	31	89	96	96
24	25	25	32	31	32	89	96	96
24	23	24	32	30	32	89	96	96
24	25	25	33	31	32	89	98	97
25	24	25	33	30	33	89	96	98
25	25	24	33	31	32	90	97	98
23	22	25	33	31	32	91	98	97
24	24	25	33	31	32	91	97	98
23	22	24	33	31	32	92	98	98
22	23	24	33	31	32	92	98	98
23	22	25	34	32	32	91	98	99
22	23	24	34	31	33	92	98	98
24	22	25	34	31	33	92	98	99
24	24	25	34	31	33	93	98	100
24	23	24	34	31	33	93	99	99
24	25	26	34	31	34	93	99	101
22	23	24	34	32	33	94	100	101
25	25	26	34	32	34	94	100	101
23	22	25	34	32	33	95	101	101
24	22	25	34	32	34	95	101	101
25	25	26	34	32	34	95	101	102
24	23	25	34	32	33	96	101	102
25	25	25	34	32	34	96	102	102
25	26	26	34	32	34	96	102	103
24	22	25	35	33	34	96	102	103
24	24	25	34	32	34	97	102	103
24	24	25	35	33	34	97	103	104
25	25	26	34	33	35	97	102	104
25	24	24	35	32	34	98	103	104
24	24	26	31	33	36	98	103	105
24	25	25	31	33	36	97	103	105
24	23	24	34	35	34	98	105	105
24	22	25	40	41	34	97	100	103
24	24	25	44	43	34	96	102	104
25	25	25	42	46	33	96	101	105
24	23	24	44	51	32	96	101	103

2

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-0 1STAG PUM INLE HYD TEM DEG.
197	62	18	22	24	25	25	46
198	62	37	23	23	25	25	48
199	62	56	24	22	22	23	49
200	63	15	22	25	25	27	50
201	63	34	24	22	23	24	51
202	63	53	24	22	23	24	52
203	64	12	23	22	23	24	53
204	64	31	22	24	24	25	57
205	64	50	22	25	25	25	59
206	65	9	22	25	24	24	58
207	65	28	22	23	24	24	57
208	65	47	22	23	24	24	59
209	66	6	23	22	23	24	59
210	66	25	22	24	26	25	59
211	66	44	23	22	23	23	62
212	67	3	24	22	25	26	62
213	67	22	21	23	24	22	63
214	67	41	22	22	22	23	63
215	68	0	22	23	25	25	62
216	68	19	22	21	22	24	60
217	68	38	22	22	22	22	60
218	68	57	22	22	23	23	60
219	69	16	21	21	25	22	65
220	69	35	22	22	23	22	60
221	69	54	20	24	24	24	65
222	70	13	21	23	24	22	65
223	70	32	21	23	23	22	65
224	70	51	20	24	24	23	60
225	71	10	22	21	22	21	60
226	71	29	23	21	22	21	6
227	71	48	22	22	24	23	6
228	72	7	23	20	22	21	6
229	72	26	22	21	22	21	6
230	72	45	22	21	22	21	6
231	73	4	22	22	24	23	6
232	73	23	21	23	23	22	6
233	73	42	21	22	22	21	6
234	74	1	21	24	24	22	6
235	74	20	23	21	23	23	6
236	74	39	21	20	22	22	6
237	74	58	20	21	21	22	6
238	75	17	20	22	22	20	6
239	75	36	20	22	22	19	6
240	75	55	22	19	22	22	6
241	76	14	21	23	24	21	6
242	76	33	23	22	23	23	6
243	76	52	22	22	24	22	6
244	77	11	22	23	24	22	6
245	77	30	19	22	22	21	6
246	77	49	21	21	21	22	

4-06 0-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
24	25	25	46	53	31	93	98	102
23	25	25	48	56	31	92	95	102
22	22	23	49	58	29	92	95	99
25	25	27	50	59	31	91	94	98
22	23	24	51	62	30	90	93	98
22	23	24	52	63	32	89	92	98
22	23	24	53	65	32	89	91	96
24	24	25	57	66	33	89	91	96
25	25	25	59	67	35	88	90	95
25	24	24	58	68	35	88	90	95
23	24	24	57	69	36	88	89	94
23	24	24	59	70	37	87	89	94
22	23	24	59	71	38	87	88	93
24	26	25	59	72	38	87	88	93
22	23	23	62	72	39	86	89	92
22	25	26	62	72	38	86	86	92
23	24	22	63	73	39	85	87	91
22	22	23	63	73	40	85	87	92
23	25	25	62	74	39	86	86	91
21	22	24	64	74	40	85	86	90
22	22	22	64	75	41	84	86	90
22	23	23	64	75	41	84	85	89
21	25	22	65	75	40	83	86	89
22	23	22	64	75	42	83	85	89
24	24	24	65	76	42	83	85	88
23	24	22	65	76	42	83	85	89
23	23	22	65	76	42	84	85	88
24	24	23	66	76	43	83	85	88
21	22	21	66	77	42	84	85	89
21	22	21	65	77	43	83	85	88
22	24	23	66	77	44	83	84	88
20	22	21	66	77	43	83	84	88
21	22	21	66	77	43	83	85	88
21	22	21	66	77	43	84	83	88
22	24	23	69	77	44	83	84	88
23	23	22	65	77	43	83	84	87
22	22	21	66	78	43	82	84	87
24	24	22	66	78	43	83	83	88
21	23	23	68	77	43	82	83	87
20	22	22	66	77	43	82	83	87
21	21	22	66	77	44	82	84	87
22	22	20	67	77	44	82	83	87
22	22	19	65	78	44	82	83	88
19	22	22	65	77	43	82	83	87
23	24	21	66	77	44	82	83	87
22	23	23	66	78	44	82	83	87
22	24	22	66	77	44	82	82	86
23	24	22	67	77	44	82	83	87
22	22	21	65	77	44	81	83	86
21	21	22		78	44	82	83	87

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-0 1STAG PUM INLE HYD TEM DEG.
247	78	8	20	23	23	20	70
248	78	27	22	22	24	20	67
249	78	46	22	24	22	21	66
250	79	5	20	21	21	21	66
251	79	24	21	22	23	22	65
252	79	43	22	20	24	22	62
253	80	2	21	22	22	21	62
254	80	21	20	20	24	19	62
255	80	40	22	23	20	23	66
256	80	59	22	22	21	23	63
257	81	18	22	21	23	23	64
258	81	37	20	22	22	22	62
259	81	56	22	22	21	21	62
260	82	15	20	20	23	20	62
261	82	35	19	19	24	20	61
262	82	54	22	23	21	22	61
263	83	13	20	19	23	21	62
264	83	32	21	21	24	20	61
265	83	51	22	22	23	20	62
266	84	10	23	23	21	22	60
267	84	29	22	24	22	22	61
268	84	48	22	22	23	21	61
269	85	7	21	22	23	22	62
270	85	26	22	22	22	22	60
271	85	45	22	21	24	22	60
272	86	4	20	21	24	22	60
273	86	23	20	20	23	23	60
274	86	42	21	21	24	22	59
275	87	1	20	22	23	24	59
276	87	20	23	23	22	23	59
277	87	39	22	22	23	23	61
278	87	58	22	22	24	22	61
279	88	17	22	21	24	24	61
280	88	37	21	23	21	23	59
281	88	56	22	23	22	25	61
282	89	15	22	23	24	23	62
283	89	34	21	22	21	24	61
284	89	53	22	22	24	25	60
285	90	12	22	21	22	26	61
286	90	31	22	22	25	25	62
287	90	50	22	24	21	25	63
288	91	9	20	23	22	25	64
289	91	28	22	22	25	23	63
290	91	47	22	22	24	22	62
291	92	6	22	24	22	24	62
292	92	25	22	22	24	23	63
293	92	44	22	21	24	25	64
294	93	4	22	24	24	23	63
295	93	23	24	22	24	26	64
296	93	42	23	22	25	25	64

4-06 -PLT DSHD SIDE PPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
23	23	20	70	77	44	82	83	86
22	24	20	67	78	44	82	83	86
24	22	21	66	78	42	81	83	86
21	21	21	66	77	41	81	82	86
22	23	22	65	76	41	82	82	87
20	24	22	62	76	39	81	82	87
22	22	21	62	74	39	80	83	86
20	24	19	62	74	40	81	83	86
23	20	23	66	74	40	81	82	86
22	21	23	63	75	40	81	82	86
21	23	23	64	75	41	81	84	86
22	22	22	62	75	41	81	82	86
22	21	21	62	75	40	81	82	86
20	23	20	62	74	41	81	82	86
19	24	20	61	73	39	80	81	86
23	21	22	61	74	39	81	82	86
19	23	21	62	73	39	81	82	86
21	24	20	61	73	39	81	81	85
22	23	20	62	73	38	81	81	86
23	21	22	60	72	37	81	81	85
24	22	22	61	73	38	81	82	86
22	23	21	61	73	38	81	82	85
22	23	22	62	73	38	80	82	85
22	22	22	60	73	37	81	81	86
21	24	22	60	72	37	80	81	86
21	24	22	60	72	37	81	81	86
20	23	23	60	72	37	80	81	85
21	24	22	59	72	37	80	81	85
22	23	24	59	72	37	80	81	85
23	22	23	59	73	38	81	82	86
22	23	23	61	72	38	80	82	86
22	24	22	61	72	37	80	82	86
21	24	24	61	72	37	80	81	85
23	21	23	59	72	37	79	82	85
23	22	25	61	71	37	80	83	85
23	24	23	62	71	37	78	82	85
22	21	24	61	72	38	79	81	85
22	24	25	60	73	38	80	82	85
21	22	26	61	73	39	81	82	85
22	25	25	62	73	40	80	82	85
24	21	25	63	73	40	80	83	85
23	22	25	64	73	41	80	82	85
22	25	23	63	72	40	80	82	85
22	24	22	62	73	39	79	82	85
24	22	24	62	73	40	80	82	85
22	24	23	63	73	39	79	81	84
21	24	25	64	72	39	80	82	84
24	24	23	63	73	40	79	83	83
22	24	26	64	72	40	79	82	83
22	25	25	64	73	40	80	82	85

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-0 1STAG PUM INLE HYD TEM DEG.
297	94	1	23	22	22	25	62
298	94	20	21	25	25	26	64
299	94	39	23	22	22	24	64
300	94	58	22	24	22	26	65
301	95	17	21	23	22	26	64
302	95	36	21	22	22	25	61
303	95	55	22	22	25	25	63
304	96	14	23	22	25	24	65
305	96	33	24	25	22	24	64
306	96	52	23	22	24	24	66
307	97	12	23	24	25	25	63
308	97	31	23	23	23	25	63
309	97	50	22	25	26	27	63
310	98	9	23	23	23	25	64
311	98	28	24	22	23	24	63
312	98	47	22	25	25	26	64
313	99	6	22	24	25	27	65
314	99	25	24	22	22	24	65
315	99	44	24	23	24	27	64
316	100	3	25	23	24	27	65
317	100	22	23	25	25	25	64
318	100	41	23	25	25	27	65
319	101	1	22	24	23	27	65
320	101	20	23	22	24	27	65
321	101	39	23	22	24	27	66
322	101	58	24	24	26	27	65
323	102	17	24	25	26	27	64
324	102	36	24	25	26	27	65
325	102	55	22	23	25	25	64
326	103	14	25	24	24	27	63
327	103	33	24	23	22	25	64
328	103	52	26	24	24	25	64
329	104	11	24	23	23	25	64
330	104	30	25	22	24	26	66
331	104	50	23	25	25	27	65
332	105	9	24	25	25	25	65
333	105	28	24	23	25	28	67
334	105	47	22	26	24	26	66
335	106	6	24	25	26	27	67
336	106	25	25	25	26	28	67
337	106	44	24	24	25	28	68
338	107	3	25	25	26	28	69
339	107	22	25	24	25	28	68
340	107	42	24	24	25	28	69
341	108	1	25	25	27	28	68
342	108	20	24	24	25	28	70
343	108	39	24	24	25	27	70
344	108	58	24	25	27	27	70
345	109	35	24	25	26	27	70
346	110	21	24	25	26	29	

4-06 ~PLT NDSHD NSIDE PPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
22	22	25	62	73	41	81	82	84
25	25	26	64	74	41	79	82	85
22	22	24	64	75	41	79	82	84
24	22	26	65	73	41	79	83	84
23	22	26	64	74	41	80	82	84
22	22	25	61	73	41	81	82	85
22	25	25	63	74	40	79	83	84
22	25	24	65	73	40	80	82	84
25	22	24	64	73	40	80	82	84
22	24	24	66	73	40	80	82	84
24	25	25	63	73	41	79	82	85
23	23	25	63	74	40	79	82	85
25	26	27	63	74	41	80	82	85
23	23	25	64	75	40	80	83	85
22	23	24	63	75	41	81	83	85
25	25	26	64	75	42	81	84	86
24	25	27	65	76	42	81	83	86
22	22	24	65	76	44	81	84	86
23	24	27	64	76	45	82	85	86
23	24	27	65	76	45	82	85	87
25	25	25	64	77	45	82	85	88
25	25	27	65	78	45	82	86	86
24	23	27	65	78	45	80	83	86
22	24	27	65	76	44	81	83	85
22	24	27	66	76	44	81	83	85
24	26	27	65	76	43	81	83	85
25	26	27	64	75	44	81	84	84
25	26	27	65	76	43	81	83	85
23	25	29	64	75	42	81	84	85
24	24	27	63	75	42	79	83	85
23	22	25	64	75	43	80	83	86
24	24	25	64	77	43	81	83	85
23	23	25	64	77	42	81	83	85
22	24	26	66	78	43	81	83	86
25	25	27	65	77	44	81	83	86
25	25	25	65	78	45	81	84	86
23	25	28	67	79	45	81	84	86
26	24	26	66	79	46	82	83	86
25	26	27	67	80	47	82	84	88
25	26	28	67	80	47	82	84	88
24	25	28	68	80	46	82	83	87
25	26	28	69	80	47	81	84	87
24	25	28	68	81	48	82	85	87
24	25	28	69	81	47	81	84	87
25	27	28	68	81	48	81	85	88
24	25	28	70	81	48	82	84	87
24	25	27	70	81	49	82	84	88
25	27	27	70	81	49	82	85	88
25	26	27	70	81	49	82	85	89
25	26	29	69	81	49	83	85	89

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-(1STA(PUI INLE HYI TEI DEG.
347	110	41	22	27	27	28	6
348	111	0	24	25	23	27	6
349	111	19	22	27	27	28	6
350	111	38	24	24	23	26	6
351	111	57	24	24	22	27	6
352	112	16	23	26	27	28	6
353	112	35	24	25	26	28	6
354	112	55	24	25	25	27	6
355	113	14	24	26	25	27	6
356	113	33	24	25	25	27	6
357	*	*	*	*	*	*	*

-06	4-07	4-08	4-09	4-10	4-11	4-12	4-14	4-15
PLT	CENTER	CENTER	1STAGE	1STAGE	1STAGE	2STAGE	2STAGE	2STAGE
SHD	PANEL	PANEL	PUMP	PUMP	AFT	PUMP	AFT	AFCS 1
IDE	WNDSHD	WNDSHD	INLET	OUTLET	SERVO	INLET	SERVO	(COLL.
PER	INSIDE	INSIDE	HYD.	HYD.	HYD IN	HYD.	HYD IN	/YAW
R H	LWR C	UPR C	TEMP	TEMP	TEMP	TEMP	TEMP	CHAN)
S.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
27	27	28	68	80	49	82	85	89
25	22	27	68	78	48	84	86	89
27	27	28	69	76	48	83	86	90
24	23	26	68	76	46	85	88	91
24	22	27	68	75	46	85	89	92
26	27	28	68	75	48	85	89	93
25	26	28	68	75	48	84	91	93
25	25	27	68	73	47	86	90	91
26	25	27	67	72	48	86	88	91
25	25	27	67	71	48	87	86	89
*	*	*	*	*	*	*	*	*

MH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-2 ROTAR RUDDE 1STAG INLE TEM DEG.
1	0	12	23	23	22	23	2
2	17	11	23	23	22	23	2
3	0	50	23	23	22	23	2
4	1	9	23	23	22	23	2
5	18	8	23	22	22	23	2
6	18	27	23	22	22	22	2
7	18	46	23	22	22	22	2
8	19	5	23	22	22	22	2
9	19	25	23	22	22	23	2
10	3	4	23	22	22	22	2
11	3	23	23	22	22	23	2
12	20	22	23	23	22	23	2
13	20	41	23	22	22	22	2
14	21	0	23	22	22	22	2
15	4	39	22	22	22	22	2
16	21	38	24	22	22	22	2
17	21	57	27	23	26	25	2
18	5	36	29	23	22	29	2
19	22	35	23	23	22	23	2
20	22	54	23	23	22	23	2
21	23	13	23	22	22	23	2
22	23	32	23	23	22	23	2
23	23	51	23	23	22	23	2
24	7	36	23	22	22	23	2
25	7	49	23	22	22	23	2
26	24	48	23	22	22	23	2
27	25	7	23	22	22	22	2
28	25	26	23	22	22	22	2
29	25	45	23	22	22	22	2
30	26	4	23	23	22	22	2
31	26	23	23	22	22	23	2
32	10	2	23	22	22	22	2
33	27	1	22	22	22	22	2
34	10	40	23	22	22	22	2
35	27	39	23	23	22	22	2
36	27	58	23	22	22	23	2
37	28	17	23	22	22	23	2
38	28	36	23	22	22	23	2
39	28	55	23	23	22	23	2
40	12	34	23	23	22	23	2
41	12	53	23	23	22	23	2
42	29	52	23	22	22	23	2
43	30	11	26	23	27	27	2
44	30	30	23	22	22	22	2

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
23	22	23	24	24	22	22	22	22
23	22	23	24	24	22	22	22	22
23	22	23	24	23	22	22	22	22
23	22	23	24	24	22	22	22	22
22	22	23	23	24	22	22	22	22
22	22	22	24	23	22	22	22	22
22	22	22	24	24	22	22	22	22
22	22	22	24	23	22	22	22	22
22	22	23	23	23	22	22	22	22
22	22	23	24	23	22	22	22	22
23	22	23	24	24	22	22	22	22
22	22	22	23	24	22	22	22	22
22	22	22	24	24	22	22	22	22
22	22	22	24	24	22	22	22	22
22	22	22	23	23	22	22	22	22
23	26	26	26	30	26	26	26	26
23	22	29	29	28	28	26	26	27
23	22	23	24	24	22	22	22	22
23	22	23	24	24	22	22	22	22
22	22	23	24	24	22	22	22	22
23	22	23	24	24	22	22	22	22
23	22	23	24	24	22	22	22	22
22	22	23	24	24	22	22	22	22
22	22	23	23	23	22	22	22	22
22	22	22	24	24	22	22	22	22
22	22	22	24	23	22	22	22	22
22	22	23	24	24	22	22	22	22
23	22	23	24	24	22	22	22	22
22	22	23	24	24	22	22	22	22
22	22	23	24	24	22	22	22	22
23	22	23	24	24	22	22	22	22
23	22	23	24	24	22	22	22	22
22	22	23	24	24	22	22	22	22
23	27	27	29	28	22	22	22	22
22	22	22	24	24	22	22	22	22

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
46	31	8	23	22	22	22	24
47	31	27	22	22	22	23	23
48	15	6	22	22	22	23	23
49	32	5	23	22	22	23	23
50	32	24	22	22	22	22	23
51	32	43	22	22	22	22	23
52	33	2	24	23	25	26	26
53	16	41	23	22	22	23	24
54	17	0	23	22	22	22	23
55	17	19	23	22	22	23	24
56	17	38	22	22	22	22	24
57	17	57	23	22	22	22	23
58	18	16	22	22	22	23	23
59	18	35	22	22	22	23	23
60	18	54	22	23	22	23	24
61	19	13	22	22	22	23	24
62	19	32	22	22	22	22	23
63	19	51	23	22	22	23	23
64	20	10	22	22	22	23	24
65	20	29	22	22	22	23	23
66	20	48	22	22	22	22	24
67	21	7	22	22	22	22	24
68	21	26	22	22	22	23	23
69	21	45	22	22	22	23	23
70	22	4	22	22	22	22	23
71	22	23	22	22	22	23	23
72	22	42	22	22	22	22	23
73	23	1	22	22	22	22	23
74	23	20	22	22	22	22	23
75	23	39	22	22	22	23	23
76	23	58	22	22	25	23	23
77	24	18	22	22	26	23	23
78	24	37	22	22	27	23	23
79	24	56	22	23	28	22	23
80	25	15	23	23	29	23	23
81	25	34	23	24	31	23	23
82	25	53	23	25	31	23	23
83	26	12	23	27	33	23	23
84	26	31	23	27	34	22	23
85	26	50	24	28	35	22	23
86	27	9	23	28	36	23	23
87	27	28	24	29	37	22	23
88	27	47	24	*	*	*	23
89	28	6	*	*	*	*	23
90	28	*	*	30	39	22	23
91	29	3	29	31	40	23	23
92	29	22	29	31	41	23	23
93	29	41	29	31	41	23	23
94	29	0	29	31	43	23	23
95	30	19	37	31	43	23	23
96	30	38	37	31	43	23	23

4-17 IL. UMP LET YD. MP .C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
22	22	22	24	24	22	22	22	22
22	22	23	23	23	22	22	22	22
22	22	23	23	23	22	22	22	22
22	22	23	23	23	22	22	22	22
22	22	22	23	23	22	22	21	22
22	22	22	23	24	22	22	22	22
23	25	26	28	29	26	22	21	26
22	22	23	24	23	22	22	22	22
22	22	22	23	23	22	22	21	22
22	22	23	24	24	22	22	22	22
22	22	22	24	24	22	25	21	22
22	22	22	23	24	22	22	22	22
22	22	23	23	24	22	22	22	22
22	22	23	23	24	22	22	22	22
22	22	23	24	24	22	22	22	22
22	22	23	24	24	22	22	22	22
22	22	22	23	23	22	22	21	22
22	22	23	23	24	22	22	21	22
22	22	23	24	23	22	22	21	22
22	22	23	23	24	22	22	22	22
22	22	22	24	23	22	22	21	22
22	22	22	24	24	22	22	22	22
22	22	22	23	23	22	22	21	22
22	22	23	23	23	21	22	21	21
22	22	23	23	23	22	22	21	21
22	22	22	23	23	22	22	21	21
22	22	22	23	23	22	22	21	21
22	22	22	23	23	22	21	21	21
22	22	22	24	24	22	22	22	22
22	22	22	23	23	22	22	21	21
22	22	23	24	24	22	23	21	21
25	23	23	23	24	22	22	25	22
26	22	23	24	24	21	22	32	24
27	23	23	24	24	22	22	36	28
28	22	24	24	24	22	22	39	31
29	23	23	23	23	22	22	42	31
31	23	23	25	25	22	22	44	32
31	22	24	23	23	22	22	46	33
33	23	24	24	24	22	22	48	34
33	23	24	24	24	23	22	50	34
34	22	24	24	24	22	22	51	34
35	22	24	25	25	22	24	52	35
36	23	23	25	25	22	23	54	35
37	22	24	25	25	23	24	54	35
*	*	*	*	*	*	*	*	*
39	22	29	28	28	24	24	56	34
40	23	24	27	27	25	24	57	33
41	23	24	27	27	25	25	58	33
41	23	24	28	28	25	25	58	33
43	23	24	28	28	25	26	59	34

2

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
97	30	38	46	31	43	23	23
98	30	57	46	31	42	23	24
99	31	16	49	32	42	24	24
100	31	35	52	32	42	24	23
101	31	54	53	33	43	24	25
102	32	13	55	33	44	24	24
103	32	32	56	33	44	24	23
104	32	51	58	33	42	25	24
105	33	10	58	36	41	25	24
106	33	29	59	39	42	25	24
107	33	48	61	39	44	26	24
108	34	7	61	39	46	27	24
109	34	26	62	38	46	27	25
110	34	45	62	38	47	27	24
111	35	4	64	38	48	27	24
112	35	23	65	38	46	27	24
113	35	42	67	42	47	27	25
114	36	1	68	44	49	27	24
115	36	20	66	44	50	28	25
116	36	39	68	43	51	28	25
117	36	58	67	42	51	29	25
118	37	17	70	42	52	29	24
119	37	36	69	42	52	29	25
120	37	55	71	41	52	29	25
121	38	14	72	41	52	30	25
122	38	33	73	41	52	31	25
123	38	52	72	41	52	31	25
124	39	11	74	41	53	31	25
125	39	30	73	41	53	32	25
126	39	49	75	41	52	32	26
127	40	8	76	41	53	32	25
128	40	27	77	41	53	32	25
129	40	46	77	41	53	33	25
130	41	5	78	41	53	34	25
131	41	24	78	41	53	34	25
132	41	43	78	41	54	34	26
133	42	2	79	41	54	34	25
134	42	21	78	41	52	35	25
135	42	40	81	44	49	34	26
136	42	59	81	48	51	35	25
137	43	18	82	48	52	36	26
138	43	37	82	48	55	36	25
139	43	56	83	46	56	36	25
140	44	15	83	46	56	36	25
141	44	34	84	45	57	36	25
142	44	53	84	45	56	38	25
143	45	12	85	45	56	38	26
144	45	31	86	44	57	39	25
145	45	50	86	45	54	39	25
146	46	9	86	51	55	39	

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
31	43	23	23	30	25	27	59	34
31	42	23	24	31	27	27	59	34
32	42	24	24	31	26	28	59	34
32	42	24	23	31	27	28	60	34
33	43	24	25	31	27	28	60	34
33	44	24	24	31	27	29	60	35
33	44	24	23	31	28	29	61	35
33	42	25	24	31	31	36	62	40
36	41	25	24	31	34	32	68	49
39	42	25	24	30	30	33	64	40
39	44	26	24	31	31	32	62	37
39	46	27	24	31	31	33	62	36
38	46	27	25	31	31	34	62	36
38	47	27	24	32	31	34	63	36
38	48	27	24	31	31	34	63	37
38	46	27	24	31	38	39	71	49
42	47	27	25	32	36	37	73	53
44	49	27	24	32	34	37	68	43
44	50	28	25	33	35	36	67	40
43	51	28	25	33	35	37	67	40
42	51	29	25	32	35	38	68	39
42	52	29	24	33	35	38	67	39
42	52	29	25	34	35	39	68	39
41	52	29	25	33	35	38	68	39
41	52	30	25	33	36	38	68	39
41	52	31	25	34	36	39	68	39
41	52	31	25	33	37	40	68	39
41	53	31	25	34	37	39	69	39
41	53	32	25	34	37	40	69	39
41	52	32	26	33	37	41	68	40
41	53	32	25	34	38	41	69	39
41	53	32	25	34	38	41	69	39
41	53	33	25	34	38	42	69	40
41	53	34	25	34	38	42	69	40
41	53	34	25	34	39	41	69	39
41	54	34	26	34	39	42	69	40
41	54	34	25	34	39	42	70	39
41	52	35	25	34	40	47	71	44
44	49	34	26	34	44	46	78	58
48	51	35	25	34	41	44	74	50
48	52	36	26	34	41	44	72	44
48	55	36	25	34	41	45	71	42
46	56	36	25	34	42	45	71	42
46	56	36	25	34	41	45	71	42
45	57	36	25	34	41	45	72	41
45	56	38	25	34	41	45	72	42
45	56	38	26	35	41	45	72	42
44	57	39	25	35	42	45	72	42
45	54	39	25	34	47	51	81	57
51	55	39		35	46	49	83	61

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
147	46	28	87	52	56	40	25
148	46	47	88	52	58	40	26
149	47	6	87	51	59	41	26
150	47	25	88	51	59	41	27
151	47	44	89	49	60	41	25
152	48	3	89	49	60	41	26
153	48	22	90	48	60	42	26
154	48	41	90	48	60	42	26
155	49	0	90	48	59	42	26
156	49	19	89	46	59	43	26
157	49	38	90	46	59	43	26
158	49	57	90	46	59	44	26
159	50	16	90	46	58	44	25
160	50	35	91	46	58	44	27
161	50	54	91	46	58	44	27
162	51	13	90	46	57	45	26
163	51	32	91	45	58	44	26
164	51	51	90	46	57	45	27
165	52	10	91	45	58	46	27
166	52	29	91	45	57	46	27
167	52	48	91	45	57	46	26
168	53	7	92	45	57	46	27
169	53	26	92	45	56	47	26
170	53	45	92	45	57	47	26
171	54	4	92	45	58	48	27
172	54	23	93	45	58	47	27
173	54	42	93	45	58	48	27
174	55	1	93	45	57	48	27
175	55	20	95	45	58	48	27
176	55	39	94	45	57	49	27
177	55	58	95	45	57	49	26
178	56	17	95	45	58	49	28
179	56	36	96	45	58	49	27
180	56	55	96	45	58	49	26
181	57	14	96	45	58	49	27
182	57	33	97	45	58	51	26
183	57	52	97	45	58	51	27
184	58	11	97	45	58	51	26
185	58	30	98	45	58	51	27
186	58	49	98	45	59	52	27
187	59	8	98	46	58	52	27
188	59	27	99	45	59	53	28
189	59	46	99	47	54	53	27
190	60	5	99	52	56	53	27
191	60	24	98	52	58	53	27
192	60	43	99	51	59	54	25
193	61	2	94	49	62	50	25
194	61	21	98	49	61	52	25
195	61	40	97	48	60	53	25
196	61	59	96	48	59	54	24

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
52	56	40	25	35	44	48	76	50
52	58	40	26	35	44	48	75	46
51	59	41	26	35	44	49	74	46
51	59	41	27	35	44	48	75	45
49	60	41	25	35	44	49	75	44
49	60	41	26	35	45	48	75	44
48	60	42	26	35	45	48	75	45
48	60	42	26	36	45	49	75	45
48	59	42	26	35	46	48	76	43
46	59	43	26	36	46	48	76	42
46	59	43	26	36	46	48	75	43
46	59	44	26	36	46	48	76	44
46	58	44	25	36	46	49	75	43
46	58	44	27	36	46	49	75	43
46	58	44	27	36	47	49	75	43
46	57	45	26	35	47	50	75	43
45	58	44	26	35	48	49	75	42
46	57	45	27	36	47	50	75	42
45	58	46	27	36	48	50	75	42
45	57	46	27	36	48	49	75	42
45	57	46	26	36	48	50	75	42
45	57	46	27	36	48	49	74	42
45	56	47	26	36	48	50	75	42
45	57	47	26	36	49	50	74	42
45	58	48	27	36	49	49	74	43
45	58	47	27	35	49	50	74	42
45	58	48	27	37	49	49	74	42
45	57	48	27	36	49	50	74	42
45	58	48	27	36	49	50	74	42
45	57	49	27	35	49	51	74	42
45	57	49	26	37	49	51	73	42
45	58	49	28	36	49	50	74	42
45	58	49	27	36	49	50	73	44
45	58	49	26	37	49	50	74	42
45	58	49	27	36	50	50	74	43
45	58	51	26	37	49	51	73	43
45	58	51	27	36	49	50	74	42
45	58	51	26	37	49	51	74	43
45	58	51	27	36	50	50	74	43
45	59	52	27	36	49	51	74	43
46	58	52	27	37	50	51	74	43
45	59	53	28	36	50	51	74	43
47	54	53	27	36	50	55	82	60
52	56	53	27	36	50	52	78	54
52	58	53	27	35	50	52	76	48
51	59	54	25	35	49	51	74	45
49	62	50	25	35	49	51	75	44
49	61	52	25	34	49	51	74	44
48	60	53	25	34	48	50	73	44
48	59	54	24	34	48	51	74	42

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-2 ROTAR RUDDE 1STAG INLE TEM DEG.
197	62	18	94	46	59	54	24
198	62	37	94	46	59	54	24
199	62	56	94	45	59	53	23
200	63	15	93	45	55	54	24
201	63	34	92	49	54	54	22
202	63	53	91	51	56	55	23
203	64	12	91	49	57	53	23
204	64	31	90	49	59	54	23
205	64	50	89	48	58	54	23
206	65	9	89	47	59	54	23
207	65	28	89	46	58	54	23
208	65	47	89	46	59	55	23
209	66	6	88	46	59	54	23
210	66	25	88	45	58	54	23
211	66	44	88	45	58	55	23
212	67	3	88	45	57	55	22
213	67	22	88	45	58	55	23
214	67	41	87	45	57	55	23
215	68	0	87	45	57	55	24
216	68	19	86	44	56	55	23
217	68	38	86	44	57	54	24
218	68	57	84	44	57	54	23
219	69	16	83	44	56	54	23
220	69	35	85	45	56	55	23
221	69	54	85	44	56	55	24
222	70	13	85	44	57	55	23
223	70	32	85	44	56	55	24
224	70	51	85	44	56	54	25
225	71	10	86	44	56	55	24
226	71	29	85	44	56	55	24
227	71	48	85	44	57	55	24
228	72	7	85	44	56	55	24
229	72	26	85	44	56	54	25
230	72	45	84	44	56	55	25
231	73	4	85	44	56	54	25
232	73	23	85	44	56	55	25
233	73	42	84	44	56	55	25
234	74	1	83	44	56	54	25
235	74	20	83	44	56	54	25
236	74	39	84	44	56	54	25
237	74	58	84	44	56	54	25
238	75	17	85	44	56	54	25
239	75	36	83	44	56	54	25
240	75	55	84	44	56	54	24
241	76	14	84	44	55	54	25
242	76	33	83	44	56	54	25
243	76	52	85	44	56	54	25
244	77	11	83	44	55	54	26
245	77	30	84	44	56	54	25
246	77	49	84	44	56	54	

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
46	59	54	24	33	48	51	73	42
46	59	54	24	32	48	51	73	41
45	59	53	23	32	48	50	73	39
45	55	54	24	31	48	56	81	55
49	54	54	22	31	47	53	81	58
51	56	55	23	31	46	52	76	47
49	57	53	23	30	46	51	74	44
49	59	54	23	30	46	52	73	44
48	58	54	23	30	45	52	73	43
47	59	54	23	29	45	51	74	43
46	58	54	23	29	46	51	74	43
46	59	55	23	29	46	51	73	43
46	59	54	23	29	46	51	73	43
45	58	54	23	29	46	51	73	44
45	58	55	23	28	46	51	73	43
46	57	55	22	29	46	50	72	43
45	58	55	23	29	46	51	72	42
45	57	55	23	28	46	51	72	43
45	57	55	24	28	46	51	72	43
44	56	55	23	28	46	51	71	43
44	57	54	24	29	46	51	72	42
44	57	54	23	28	46	50	71	42
44	56	54	23	29	46	51	71	44
45	56	55	23	29	46	51	71	42
44	56	55	24	29	46	51	70	43
44	57	55	23	28	46	51	70	43
44	56	55	24	29	46	51	71	42
44	56	54	25	29	46	51	71	43
44	56	55	24	29	46	51	71	44
44	56	55	24	29	46	51	71	43
44	57	55	24	29	47	50	71	44
44	56	55	24	29	47	51	71	43
44	56	54	25	29	46	51	71	44
44	56	55	25	29	47	51	71	43
44	56	54	25	29	47	51	71	44
44	56	55	25	29	46	51	71	44
44	56	55	25	29	46	51	70	44
44	56	54	25	29	47	51	70	44
44	56	54	25	29	46	50	71	44
44	56	54	25	29	46	50	70	44
44	56	54	25	29	47	50	71	44
44	56	54	25	29	46	50	71	43
44	56	54	25	29	48	49	71	44
44	56	54	24	29	46	50	70	43
44	55	54	25	29	47	50	70	43
44	56	54	25	29	47	50	71	44
44	56	54	25	29	48	50	71	44
44	55	54	26	29	47	49	71	44
44	56	54	25	30	47	50	71	44
44	56	54	25	29	47	50	71	43

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-2 ROTAR RUDDE 1STAG INLE TEM DEG.
247	78	8	84	44	55	54	26
248	78	27	83	44	56	54	26
249	78	46	82	44	56	54	26
250	79	5	83	44	56	54	25
251	79	24	83	44	56	54	26
252	79	43	83	43	55	54	25
253	80	2	83	43	56	53	26
254	80	21	82	43	55	53	25
255	80	40	82	42	55	52	26
256	80	59	83	44	55	53	26
257	81	18	82	43	55	53	26
258	81	37	83	43	55	53	25
259	81	56	83	43	55	52	25
260	82	15	83	43	55	52	26
261	82	35	82	43	55	52	26
262	82	54	83	43	55	52	25
263	83	13	83	43	55	52	26
264	83	32	82	42	54	52	26
265	83	51	83	42	54	51	26
266	84	10	83	42	54	51	26
267	84	29	83	42	54	51	27
268	84	48	83	42	54	51	25
269	85	7	82	43	54	51	27
270	85	26	83	42	54	50	25
271	85	45	83	42	54	51	27
272	86	4	83	42	54	50	25
273	86	23	83	42	54	50	27
274	86	42	83	42	54	50	26
275	87	1	83	41	52	50	26
276	87	20	83	40	52	49	27
277	87	39	83	41	53	49	27
278	87	58	82	41	54	49	27
279	88	17	82	41	52	49	27
280	88	37	81	41	53	48	26
281	88	56	81	41	54	48	27
282	89	15	81	42	53	49	27
283	89	34	82	42	53	48	27
284	89	53	82	42	53	49	27
285	90	12	82	43	53	49	27
286	90	31	81	43	54	49	27
287	90	50	81	43	54	49	27
288	91	9	81	43	54	49	27
289	91	28	82	43	54	49	27
290	91	47	82	43	54	48	27
291	92	6	82	43	54	48	27
292	92	25	82	43	55	48	27
293	92	44	82	43	55	48	27
294	93	4	82	44	54	48	27
295	93	23	82	43	54	48	27
296	93	42	82	43	55	48	27

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
44	55	54	26	29	47	50	71	44
44	56	54	26	29	47	50	71	44
44	56	54	26	29	47	50	70	42
44	56	54	25	29	47	49	70	42
44	56	54	26	29	47	49	70	41
43	55	54	25	28	47	49	68	41
43	56	53	26	28	46	49	68	41
43	55	53	25	28	46	48	68	42
42	55	52	26	28	46	48	69	43
44	55	53	26	28	46	48	69	43
43	55	53	26	28	47	49	69	43
43	55	53	25	29	46	48	68	42
43	55	52	25	28	46	48	68	41
43	55	52	26	28	46	48	68	42
43	55	52	26	28	46	47	67	41
43	55	52	25	28	46	48	67	41
43	55	52	26	27	46	47	67	41
42	54	52	26	28	46	47	68	42
42	54	51	26	28	46	47	67	41
42	54	51	26	27	46	46	66	41
42	54	51	27	28	45	46	66	41
42	54	51	25	27	45	46	67	41
43	54	51	27	27	46	47	67	41
42	54	50	25	27	45	46	67	41
42	54	51	27	28	46	46	67	41
42	54	50	25	28	45	46	66	41
42	54	50	27	28	45	46	67	42
42	54	50	26	28	45	46	68	41
41	52	50	26	28	45	47	67	42
40	52	49	27	29	44	45	67	42
41	53	49	27	28	45	45	66	41
41	54	49	27	28	44	45	67	41
41	52	49	27	28	45	45	66	41
41	53	48	26	27	44	45	67	41
41	54	48	27	28	44	45	67	41
42	53	49	27	28	44	45	67	42
42	53	48	27	29	44	46	68	43
42	53	49	28	29	45	46	68	44
43	53	49	28	29	44	46	69	44
43	54	49	28	29	45	46	69	44
43	54	49	28	29	45	46	68	43
43	54	49	28	29	45	45	69	43
43	54	49	28	29	44	46	69	43
43	54	48	28	29	44	46	69	42
43	54	48	28	28	45	46	69	42
43	55	48	28	29	44	45	69	43
43	55	48	28	28	45	45	68	42
44	54	48	28	29	45	45	69	42
43	54	48	28	29	45	45	69	44
43	55	48	28	28	45	46	69	44

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-2 ROTAR RUDDE 1STAG INLE TEM DEG.
297	94	1	82	44	55	48	28
298	94	20	82	44	55	48	28
299	94	39	82	44	55	49	28
300	94	58	81	44	55	48	29
301	95	17	81	44	55	48	28
302	95	36	80	44	55	49	28
303	95	55	81	44	55	49	28
304	96	14	81	44	55	51	28
305	96	33	81	44	55	48	29
306	96	52	81	44	56	48	28
307	97	12	81	44	55	48	29
308	97	31	82	44	55	48	29
309	97	50	81	44	55	49	29
310	98	9	82	45	55	49	28
311	98	28	83	44	56	49	29
312	98	47	83	45	56	48	29
313	99	6	83	45	56	49	29
314	99	25	84	45	57	49	29
315	99	44	84	46	56	49	29
316	100	3	85	46	57	49	29
317	100	22	83	46	57	49	29
318	100	41	84	46	57	49	29
319	101	1	82	46	56	50	29
320	101	20	82	45	57	49	29
321	101	39	82	45	56	49	29
322	101	58	82	45	57	49	29
323	102	17	82	45	57	49	30
324	102	36	82	45	56	49	29
325	102	55	82	45	57	49	29
326	103	14	83	45	57	49	29
327	103	33	83	46	58	49	30
328	103	52	83	46	56	49	30
329	104	11	83	46	57	49	29
330	104	30	83	46	57	50	30
331	104	50	83	47	58	49	30
332	105	9	85	47	58	49	30
333	105	28	83	47	58	50	30
334	105	47	84	47	58	50	30
335	106	6	84	48	58	51	30
336	106	25	84	47	58	51	30
337	106	44	84	48	58	51	30
338	107	3	85	48	58	51	30
339	107	22	85	47	59	51	30
340	107	42	85	48	58	51	30
341	108	1	84	48	59	51	30
342	108	20	85	48	58	51	30
343	108	39	86	46	58	52	30
344	108	58	85	44	55	52	30
345	109	35	85	45	55	52	30
346	110	21	86	46	56	52	

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
44	55	48	28	29	45	45	70	45
44	55	48	28	29	45	45	70	44
44	55	49	28	29	45	46	70	44
44	55	48	29	30	46	46	70	45
44	55	48	28	29	46	46	70	42
44	55	49	28	29	45	46	70	43
44	55	49	28	29	45	46	70	42
44	55	51	28	29	45	45	69	43
44	55	48	29	29	45	46	69	43
44	56	48	28	28	45	46	69	43
44	55	48	29	28	45	46	69	44
44	55	48	29	29	45	46	69	45
44	55	49	29	30	45	46	70	46
45	55	49	28	30	45	46	70	46
44	56	49	29	31	46	46	70	46
45	56	48	29	31	46	46	71	45
45	56	49	29	31	46	48	70	45
45	57	49	29	32	46	48	71	46
46	56	49	29	32	46	48	71	46
46	57	49	29	32	47	48	71	47
46	57	49	29	32	47	48	72	46
46	57	49	29	33	48	48	72	46
46	56	50	29	32	48	49	72	44
45	57	49	29	31	48	48	71	43
45	56	49	29	31	47	48	71	43
45	57	49	29	31	47	48	71	44
45	57	49	30	31	47	48	71	44
45	56	49	29	31	48	48	71	44
45	57	49	29	30	47	48	72	44
45	57	48	29	30	48	48	71	46
46	56	49	30	31	48	48	72	46
46	56	49	30	32	48	48	71	47
46	57	49	29	32	48	48	71	48
46	57	50	31	32	47	49	71	47
47	58	49	31	33	48	48	72	46
47	58	49	31	33	48	49	71	46
47	58	50	30	34	48	49	72	47
47	58	50	31	34	48	49	72	47
48	58	51	30	34	48	49	73	47
47	58	51	31	34	48	49	72	47
48	58	51	31	34	48	50	73	46
48	58	51	31	34	48	50	73	47
47	59	51	31	34	49	50	73	47
48	58	51	31	34	48	51	73	47
48	59	51	30	35	49	50	72	48
48	58	51	31	34	48	50	73	48
46	58	52	31	35	49	50	72	48
44	55	52	30	35	49	51	72	47
45	55	52	30	35	49	51	72	47
46	56	52	30	35	49	51	71	47

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-2 ROTAR RUDDE 1STAG INLE TEM DEG.
347	110	41	85	46	57	52	31
348	111	0	85	46	57	52	31
349	111	19	85	46	56	54	31
350	111	38	87	46	58	53	31
351	111	57	88	46	57	54	31
352	112	16	89	47	58	54	33
353	112	35	90	47	58	54	32
354	112	55	84	47	57	54	32
355	113	14	83	48	55	55	33
356	113	33	81	48	55	55	34
357	*	*	*	*	*	*	*

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
46	57	52	31	34	49	51	71	47
46	57	52	31	34	50	50	72	46
46	56	54	31	35	49	51	71	46
46	58	53	31	34	49	49	72	45
46	57	54	31	35	49	49	72	46
47	58	54	33	35	49	50	73	48
47	58	54	32	36	48	50	73	49
47	57	54	32	36	49	50	68	51
48	55	55	33	35	49	50	66	55
48	55	55	34	35	49	51	64	56
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-0 ENG. N.G.E COOLE OUTLE OI DEG.
1	0	14	22	22	15	22	2
2	17	13	22	22	18	22	2
3	0	52	22	22	15	22	2
4	1	11	22	22	15	22	2
5	18	10	22	22	21	22	2
6	1	50	22	22	16	22	2
7	18	49	23	22	22	25	2
8	2	28	22	22	22	22	2
9	2	47	26	22	17	23	2
10	3	6	22	22	12	22	2
11	3	25	22	22	15	22	2
12	20	24	22	22	15	22	2
13	4	3	22	22	15	22	2
14	4	22	22	22	12	22	2
15	21	21	22	22	15	22	2
16	21	40	22	22	22	22	2
17	21	59	25	27	25	25	2
18	5	38	22	22	14	22	2
19	22	37	22	22	14	22	2
20	6	16	22	22	15	22	2
21	23	15	22	22	15	22	2
22	6	54	22	22	18	22	2
23	23	53	22	22	15	22	2
24	24	12	22	22	12	22	2
25	24	31	22	23	15	22	2
26	8	10	22	22	22	22	2
27	25	9	22	22	15	22	2
28	25	28	22	22	12	22	2
29	9	7	21	22	12	22	2
30	9	26	21	22	15	22	2
31	26	25	22	22	14	22	2
32	10	4	21	22	22	22	2
33	27	3	22	22	16	22	2
34	27	22	22	22	16	22	2
35	11	1	22	22	15	22	2
36	28	0	22	22	16	22	2
37	28	19	22	22	12	22	2
38	28	38	22	22	18	22	2
39	28	57	22	22	15	23	2
40	12	36	22	22	15	22	2
41	12	55	22	22	14	22	2
42	29	54	22	22	15	22	2
43	30	13	22	22	18	22	2
44	30	32	22	22	15	22	2
45	14	11	22	22	17	22	2

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
22	15	22	22	22	22	22	23	23
22	18	22	22	22	22	22	22	23
22	15	22	22	22	22	22	23	23
22	15	22	22	22	22	22	22	23
22	21	22	22	22	22	22	22	22
22	16	22	22	22	22	22	22	22
22	22	25	25	25	24	25	22	23
22	22	22	22	22	22	22	22	22
22	17	23	22	22	26	23	23	26
22	12	22	22	22	22	22	22	23
22	15	22	22	22	22	22	22	22
22	15	22	22	22	22	22	22	22
22	15	22	22	22	22	22	22	23
22	12	22	22	22	22	22	22	22
22	15	22	22	22	22	22	22	22
22	22	22	22	22	22	22	22	22
27	25	25	26	21	22	22	22	22
22	14	22	22	22	22	22	22	22
22	14	22	22	22	22	22	22	23
22	15	22	22	22	22	22	22	23
22	15	22	22	22	22	22	22	22
22	18	22	22	22	22	22	22	23
22	15	22	22	22	22	22	22	23
22	12	22	22	22	22	22	22	23
23	15	22	22	22	22	22	22	23
22	22	22	22	22	22	22	22	23
22	15	22	22	22	22	22	22	23
22	12	22	22	22	22	22	22	22
22	12	22	22	22	22	22	22	22
22	15	22	22	22	22	22	22	22
22	14	22	22	22	22	22	22	23
22	22	22	22	22	22	22	22	22
22	16	22	22	22	22	22	22	22
22	16	22	22	22	22	22	22	22
22	15	22	22	22	22	22	22	22
22	16	22	22	22	22	22	22	22
22	12	22	22	22	22	22	22	23
22	16	22	22	22	22	22	22	22
22	15	23	22	22	22	22	22	23
22	15	22	22	22	22	22	22	22
22	14	22	22	22	22	22	22	23
22	15	22	22	22	22	22	22	23
22	10	22	22	22	22	22	22	23
22	15	22	22	22	22	22	22	22
22	17	22	22	22	22	22	22	22

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
46	14	30	22	22	15	22	22
47	31	29	22	22	15	22	22
48	15	8	22	22	16	22	22
49	32	7	22	22	15	22	22
50	15	46	22	22	15	22	22
51	16	5	22	22	12	22	22
52	33	4	25	26	22	22	23
53	16	43	22	22	16	22	22
54	17	2	22	22	22	22	22
55	17	21	22	22	15	22	22
56	17	40	22	22	15	22	22
57	17	59	22	22	15	22	22
58	18	18	22	22	15	22	22
59	18	38	22	22	15	22	22
60	18	57	22	22	16	22	22
61	19	16	22	22	12	22	22
62	19	35	22	22	15	22	22
63	19	54	22	21	16	25	26
64	20	13	22	21	14	22	22
65	20	32	22	22	12	22	22
66	20	51	22	22	14	22	22
67	21	10	22	22	15	22	21
68	21	29	22	21	18	22	21
69	21	48	22	21	17	22	22
70	22	7	22	21	15	22	22
71	22	26	22	21	22	21	22
72	22	45	22	21	17	22	22
73	23	4	22	21	16	22	22
74	23	23	22	21	15	22	22
75	23	42	22	22	22	22	22
76	24	1	22	21	9	22	22
77	24	20	22	21	24	22	22
78	24	39	22	22	8	22	21
79	24	58	21	22	16	22	21
80	25	17	22	21	15	22	22
81	25	36	22	21	5	22	21
82	25	55	22	21	15	22	22
83	26	14	22	22	30	21	22
84	26	33	22	21	30	21	22
85	26	52	22	22	15	22	21
86	27	11	22	22	28	21	22
87	27	30	22	21	30	21	22
88	27	49	22	21	23	21	21
89	28	8	22	22	17	22	21
90	*	*	*	*	*	*	*
92	29	5	22	21	20	21	21
93	29	24	22	22	14	22	21
94	29	43	22	22	9	22	21
95	30	2	22	21	25	21	22
96	30	21	22	21	17	21	22

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
22	15	22	22	22	22	22	22	22
22	15	22	22	22	22	22	22	22
22	16	22	22	22	22	22	22	22
22	15	22	22	22	22	22	22	22
22	15	22	22	21	22	22	22	22
22	12	22	22	22	22	22	22	22
26	22	22	23	24	27	26	26	27
22	16	22	22	21	22	22	22	23
22	22	22	22	21	22	22	22	22
22	15	22	22	22	22	22	22	22
22	15	22	22	21	22	22	22	23
22	15	22	22	22	22	22	22	23
22	15	22	22	21	22	22	22	23
22	15	22	22	22	22	22	22	23
22	16	22	22	27	28	28	28	28
22	12	22	22	22	22	22	22	23
22	15	22	22	21	22	22	22	22
21	16	25	26	25	26	22	22	22
21	14	22	22	21	22	22	22	22
22	12	22	22	21	22	22	22	22
22	14	22	22	21	22	22	22	22
22	15	22	21	21	22	22	22	22
21	18	22	21	21	22	22	22	22
21	17	22	22	21	22	22	22	22
21	15	22	22	21	22	22	22	22
21	22	21	22	21	22	21	22	22
21	17	22	22	21	22	22	22	22
21	16	22	22	21	22	21	22	22
21	15	22	22	21	22	22	22	22
22	22	22	22	21	22	22	22	22
21	9	22	22	21	22	22	22	22
21	24	22	22	21	22	21	22	22
22	8	22	21	22	21	22	22	23
22	16	22	21	21	22	21	22	22
21	15	22	22	21	22	22	22	22
21	5	22	21	21	22	21	22	22
21	15	22	22	21	22	22	22	23
22	30	21	22	21	22	22	22	22
21	30	21	22	21	22	22	22	23
22	15	22	21	21	22	21	22	22
22	28	21	22	21	22	21	22	22
21	30	21	22	21	22	22	22	22
21	23	21	21	21	22	21	22	22
22	17	22	21	22	22	21	22	22
*	*	*	*	*	*	*	*	*
21	20	21	21	21	22	21	22	22
22	14	22	21	21	22	22	21	22
22	9	22	21	22	21	21	22	22
21	25	21	22	21	22	21	22	22
21	17	21	22	21	22	21	22	22

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
97	30	40	22	21	11	21	21
98	30	59	22	21	11	22	21
99	31	18	22	22	5	22	22
100	31	37	22	21	14	21	22
101	31	56	22	22	11	22	21
102	32	15	22	22	15	22	22
103	32	34	22	22	9	22	22
104	32	53	22	21	11	22	21
105	33	12	22	24	15	22	21
106	33	31	22	25	19	22	21
107	33	50	22	24	18	21	21
108	34	9	22	24	21	22	21
109	34	28	22	24	15	22	21
110	34	47	23	23	16	21	21
111	35	6	23	24	20	22	22
112	35	25	22	24	22	21	21
113	35	44	22	24	24	22	21
114	36	3	23	24	15	21	22
115	36	22	22	24	21	22	21
116	36	41	22	24	18	21	22
117	37	0	23	24	18	22	22
118	37	19	23	23	22	22	21
119	37	38	22	24	20	22	22
120	37	57	22	24	19	22	22
121	38	16	22	24	22	22	22
122	38	35	23	24	16	22	22
123	38	54	23	24	22	20	22
124	39	13	23	24	19	22	22
125	39	32	23	24	17	22	22
126	39	51	23	24	17	22	22
127	40	10	22	24	24	22	22
128	40	29	23	24	15	22	22
129	40	48	23	24	18	22	22
130	41	7	22	24	19	22	22
131	41	26	22	24	21	22	22
132	41	45	22	24	19	22	22
133	42	4	22	24	22	22	22
134	42	23	22	24	51	21	22
135	42	42	23	26	37	22	22
136	43	1	23	31	25	22	22
137	43	20	26	35	28	23	22
138	43	39	29	39	25	23	22
139	43	58	32	42	22	23	22
140	44	17	35	45	28	24	22
141	44	36	38	46	33	23	22
142	44	55	40	45	27	23	22
143	45	14	40	44	25	23	22
144	45	33	40	44	29	24	22
145	45	52	40	43	12	22	23
146	46	11	41	43	27	23	

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
21	11	21	21	21	22	21	21	22
21	11	22	21	21	22	22	21	22
22	5	22	22	21	22	21	21	22
21	14	21	22	22	21	21	21	22
22	11	22	21	21	21	21	22	22
22	15	22	22	21	21	21	22	22
22	9	22	22	21	22	21	22	22
21	11	22	21	21	21	21	22	22
24	15	22	21	22	21	21	22	22
25	19	22	21	22	21	21	22	22
24	18	21	21	21	21	21	21	22
24	21	22	21	21	21	21	22	21
24	15	22	21	21	22	21	22	22
23	16	21	21	22	21	21	21	22
24	20	22	22	22	21	21	21	22
24	22	21	21	22	21	21	22	22
24	24	22	21	22	21	21	27	24
24	15	21	22	22	21	21	27	26
24	21	22	21	22	21	21	26	25
24	18	21	22	21	21	21	26	25
24	18	22	22	21	21	21	25	25
23	22	22	21	22	21	21	24	24
24	20	22	22	22	21	21	25	25
24	19	22	22	21	21	21	24	24
24	22	22	22	22	21	21	24	24
24	16	22	22	21	22	21	24	24
24	22	22	22	22	21	21	24	24
24	19	22	22	22	22	21	24	24
24	17	22	22	22	22	21	24	24
24	17	22	22	22	21	21	24	24
24	24	22	22	23	20	21	24	24
24	15	22	22	22	22	21	24	24
24	18	22	22	22	22	21	24	24
24	19	22	22	22	22	20	24	24
24	21	22	22	22	21	22	24	23
24	19	22	22	22	21	20	23	23
24	22	22	22	22	21	21	23	23
24	51	21	22	22	21	22	23	23
26	37	22	22	22	21	20	22	24
31	25	22	22	22	21	21	23	23
35	28	23	22	22	21	21	22	23
39	25	23	22	22	21	21	23	22
42	22	23	22	22	21	20	23	24
45	28	24	22	22	20	21	23	23
46	33	23	22	22	21	21	22	23
45	27	23	22	22	21	20	22	23
44	25	23	22	21	21	20	22	24
44	29	24	22	22	22	21	22	23
43	12	22	23	22	21	20	24	22
43	27	23	[illegible]	22	22	21	25	27

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
147	46	30	40	42	30	22	23
148	46	49	41	42	33	23	22
149	47	8	41	41	35	22	23
150	47	27	41	41	33	22	23
151	47	46	41	41	29	23	23
152	48	5	41	41	33	23	23
153	48	24	41	40	30	23	23
154	48	43	40	40	37	22	24
155	49	2	40	39	28	22	23
156	49	21	40	39	30	22	24
157	49	40	41	39	30	23	24
158	49	59	40	38	31	22	24
159	50	18	41	38	44	22	25
160	50	37	40	38	45	22	24
161	50	56	41	37	36	23	25
162	51	15	40	37	42	22	26
163	51	34	40	36	44	22	25
164	51	53	39	36	46	22	26
165	52	12	40	36	42	23	26
166	52	31	40	36	39	22	26
167	52	50	40	36	29	24	27
168	53	9	39	36	37	24	27
169	53	28	39	36	32	24	27
170	53	47	40	36	42	23	27
171	54	6	39	36	36	23	28
172	54	25	39	36	32	24	27
173	54	44	39	36	36	24	28
174	55	3	40	35	45	24	28
175	55	22	39	36	26	24	28
176	55	41	39	36	51	23	28
177	56	0	39	36	41	24	28
178	56	19	40	36	30	23	28
179	56	38	39	36	32	23	28
180	56	57	39	35	29	24	28
181	57	16	39	35	40	23	29
182	57	35	39	35	37	24	29
183	57	54	39	35	36	24	29
184	58	13	39	34	49	24	29
185	58	32	39	35	28	24	29
186	58	51	39	34	37	24	29
187	59	10	39	35	45	24	29
188	59	29	39	35	102	24	30
189	59	48	39	44	92	24	30
190	60	7	41	49	51	25	24
191	60	26	43	52	9	26	23
192	60	45	44	55	30	26	24
193	61	4	44	56	36	25	25
194	61	23	45	58	31	26	27
195	61	42	47	61	42	24	29
196	62	1	47	66	51	25	35

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
42	30	22	23	21	22	20	34	31
42	33	23	22	22	21	21	38	35
41	35	22	23	21	20	20	41	39
41	33	22	23	21	21	19	45	43
41	29	23	23	21	21	19	48	46
41	33	23	23	22	20	20	46	45
40	30	23	23	21	21	20	46	45
40	37	22	24	22	21	20	45	44
39	28	22	23	22	21	20	44	44
39	30	22	24	22	21	21	43	44
39	30	23	24	22	21	20	42	44
38	31	22	24	22	21	21	42	43
38	44	22	25	21	22	20	42	43
38	45	22	24	22	22	20	42	42
37	36	23	25	22	22	21	41	42
37	42	22	26	22	22	20	40	41
36	44	22	25	22	22	20	40	40
36	46	22	26	22	22	21	39	40
36	42	23	26	22	22	20	39	39
36	39	22	26	22	22	20	39	39
36	29	24	27	23	23	21	38	39
35	37	24	27	22	24	20	38	38
36	32	24	27	23	23	21	38	38
36	42	23	27	23	24	20	38	37
36	36	23	28	22	24	22	37	38
36	32	24	27	23	24	21	36	37
36	36	24	28	23	24	21	36	37
35	45	24	28	22	25	21	36	36
36	26	24	28	23	24	21	36	36
36	51	23	28	22	25	21	36	36
36	41	24	28	23	25	21	36	36
36	30	23	28	23	24	21	35	36
36	32	23	28	23	24	21	35	35
35	29	24	28	23	24	21	34	35
35	40	23	29	23	25	21	34	35
35	37	24	29	23	25	22	34	34
35	36	24	29	23	25	21	33	34
34	48	24	29	23	25	21	34	33
35	28	24	29	23	25	21	33	34
34	37	24	28	24	25	21	33	33
35	45	24	29	22	26	21	34	33
35	102	24	30	24	26	21	32	33
44	92	24	30	24	26	21	33	33
49	51	25	24	23	26	22	32	33
52	9	26	23	23	26	21	32	33
55	30	26	24	24	26	21	32	32
56	36	25	25	26	26	21	32	32
58	31	26	27	27	27	21	32	32
61	42	24	29	29	26	21	32	31
66	51	25	35	37	27	21	32	31

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	S-06 ENG.1 OIL COOLER INLET OIL DEG.C	S-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	S-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	S-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
197	62	20	48	68	73	25	41
198	62	39	48	72	41	24	46
199	62	58	49	74	68	24	51
200	63	17	51	76	2	24	54
201	63	36	53	77	68	24	56
202	63	55	54	78	15	25	58
203	64	14	55	80	51	25	61
204	64	33	56	81	45	25	62
205	64	52	58	82	73	25	61
206	65	11	59	83	45	25	61
207	65	30	59	83	52	25	61
208	65	49	59	82	26	25	60
209	66	8	59	82	51	25	61
210	66	27	59	82	44	26	60
211	66	46	59	82	66	26	60
212	67	5	58	82	26	25	60
213	67	24	59	82	20	26	60
214	67	43	58	82	44	26	59
215	68	2	58	81	28	26	59
216	68	21	57	81	44	25	60
217	68	40	57	82	39	26	60
218	68	59	58	81	42	25	60
219	69	18	58	82	15	25	59
220	69	37	57	82	38	26	59
221	69	56	57	82	23	25	59
222	70	15	57	81	28	25	59
223	70	34	58	81	44	25	59
224	70	53	58	81	45	25	59
225	71	12	58	81	39	25	61
226	71	31	57	82	26	26	59
227	71	50	58	81	18	26	60
228	72	9	57	82	44	25	59
229	72	28	58	81	39	25	60
230	72	47	57	81	8	26	60
231	73	6	58	81	30	25	60
232	73	25	58	81	15	26	59
233	73	44	58	81	38	25	60
234	74	3	57	81	18	25	60
235	74	22	57	81	22	25	59
236	74	41	57	81	42	25	60
237	75	0	58	82	29	25	60
238	75	19	57	82	*	25	60
239	75	38	57	82	37	26	60
240	75	57	57	82	51	25	60
241	76	16	57	82	31	25	60
242	76	35	58	81	32	25	60
243	76	54	58	81	44	26	60
244	77	13	58	81	16	25	60
245	77	32	58	81	26	26	60
246	77	51	58	82	44	26	60

S-06 ENG.1 OIL COOLER INLET OIL DEG.C	S-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	S-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	S-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	S-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	S-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	S-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	S-13 ENG.2 OIL COOLER INLET OIL DEG.C	S-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
68	73	25	41	45	27	21	31	31
72	41	24	46	54	26	21	31	31
74	68	24	51	60	26	21	31	31
76	2	24	54	66	26	20	40	30
77	68	24	56	70	22	22	46	39
78	15	25	58	74	26	27	49	41
80	51	25	61	77	31	31	52	43
81	45	25	62	79	36	37	55	44
82	73	25	61	82	44	47	58	47
83	45	25	61	83	50	55	62	48
83	52	25	61	82	58	63	66	51
82	26	25	60	83	63	70	69	53
82	51	25	61	83	66	75	71	55
82	44	26	60	83	67	79	73	55
82	66	26	60	83	71	83	74	58
82	26	25	60	83	73	86	75	59
82	20	26	60	83	73	88	77	59
82	44	26	59	83	74	89	77	60
81	28	26	59	83	73	91	78	61
81	44	25	60	84	73	92	79	61
82	39	26	60	83	73	92	80	62
81	42	25	60	83	73	93	81	63
82	15	25	59	82	73	93	81	63
82	38	26	59	82	73	93	82	64
82	23	25	59	83	73	95	82	64
81	28	25	59	83	74	95	83	65
81	44	25	59	83	73	95	83	65
81	45	25	59	82	73	95	84	65
81	39	25	60	83	73	95	83	65
82	26	26	59	84	73	95	84	65
81	18	26	60	84	72	96	84	66
82	44	25	59	83	71	95	85	66
81	39	25	60	83	69	93	86	66
81	8	26	60	83	69	93	85	65
81	30	25	61	84	69	93	86	67
81	15	26	59	84	69	93	85	66
81	38	25	60	84	69	92	86	66
81	18	25	60	83	70	92	86	65
81	22	25	59	84	70	91	86	66
81	42	25	60	84	73	92	86	66
82	29	25	60	84	72	92	85	66
82	*	25	60	83	7*	93	85	65
82	37	26	60	84	73	93	85	65
82	51	25	60	84	73	93	85	65
82	31	25	60	85	73	93	85	65
81	32	25	60	85	73	94	85	66
81	44	26	60	84	74	93	85	66
81	16	25	61	85	73	95	85	66
81	26	26	61	85	74	94	85	66
82	44	26	61	85	73	94	85	66

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
247	78	10	58	82	37	26	61
248	78	29	58	82	39	25	60
249	78	48	58	84	25	26	61
250	79	7	58	86	36	26	61
251	79	26	60	87	25	25	62
252	79	45	60	88	38	25	62
253	80	4	61	88	43	25	62
254	80	23	61	86	31	25	61
255	80	42	61	85	43	25	61
256	81	2	62	85	27	25	62
257	81	21	61	85	51	25	59
258	81	40	60	86	14	25	59
259	81	59	61	88	45	26	60
260	82	18	61	88	26	26	61
261	82	37	62	89	36	25	61
262	82	56	62	90	31	25	61
263	83	15	63	89	44	25	61
264	83	34	62	91	44	25	62
265	83	53	62	91	39	25	62
266	84	12	63	91	28	25	62
267	84	31	63	91	14	26	62
268	84	50	63	91	36	25	63
269	85	9	63	92	29	25	63
270	85	28	64	92	42	26	64
271	85	47	64	92	52	26	64
272	86	6	64	92	17	25	61
273	86	25	64	92	26	26	61
274	86	44	64	92	16	25	64
275	87	3	64	92	26	25	6
276	87	22	64	93	44	26	6
277	87	41	65	93	*	25	6
278	88	1	64	93	42	26	6
279	88	20	65	96	75	25	6
280	88	39	66	96	39	25	6
281	88	58	66	98	29	26	6
282	89	17	66	94	40	25	6
283	89	36	67	92	46	26	6
284	89	55	66	91	40	27	6
285	90	14	65	90	52	27	6
286	90	33	64	91	52	26	6
287	90	52	64	92	39	26	6
288	91	11	64	94	52	26	6
289	91	30	65	96	28	25	6
290	91	50	66	96	45	25	6
291	92	9	66	97	26	25	6
292	92	28	67	98	31	25	6
293	92	47	68	98	52	26	6
294	93	6	68	99	38	25	6
295	93	25	68	95	38	27	6
296	93	44	67	93	41	27	6

-06 G.1 OIL LER LET OIL G.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
82	37	26	61	85	73	94	85	67
82	39	25	60	85	73	96	86	66
84	25	26	61	86	74	97	86	66
86	36	26	61	87	70	98	88	68
87	25	25	62	89	70	98	89	69
88	38	25	62	89	69	99	89	70
88	43	25	62	88	70	97	90	71
86	31	25	61	88	69	96	90	70
85	43	25	61	85	68	94	89	70
85	27	25	62	85	67	93	89	70
85	51	25	59	85	69	93	89	69
86	14	25	59	85	69	93	89	69
88	45	26	60	85	69	94	91	70
88	26	26	61	87	69	95	91	70
89	36	25	61	86	68	95	92	71
90	31	25	61	87	68	95	92	71
89	44	25	61	87	68	95	93	72
91	44	25	62	88	69	95	93	71
91	39	25	62	88	69	96	93	72
91	28	25	62	89	69	96	93	72
91	14	26	62	89	69	96	93	72
91	36	25	63	89	69	96	95	72
92	29	25	63	89	70	97	94	72
92	42	26	64	90	70	97	95	71
92	52	26	64	89	70	97	94	71
92	17	25	64	90	70	98	95	72
92	26	26	64	91	70	97	95	72
92	16	25	64	90	70	97	95	72
92	26	25	64	91	70	98	95	72
93	44	26	65	91	70	98	95	72
93	*	25	65	91	71	98	95	72
93	42	26	65	91	71	98	96	72
96	75	25	65	92	70	99	96	72
96	39	25	66	92	71	98	97	72
98	29	26	66	92	72	99	97	71
94	40	25	68	93	72	98	96	70
92	46	26	67	92	72	98	93	69
91	40	27	66	91	71	97	92	67
90	52	27	64	90	71	96	91	69
91	52	26	63	89	69	96	91	70
92	39	26	64	90	70	97	93	71
94	52	26	65	91	71	98	94	71
96	28	25	65	92	71	98	96	72
96	45	25	66	93	71	99	96	72
97	26	25	66	94	72	98	96	70
98	31	25	67	94	72	99	96	70
98	52	26	67	95	72	100	96	70
99	38	25	68	96	72	101	95	69
95	38	27	67	95	73	98	93	68
93	41	27	66	93	72	98	92	68

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	S-06 ENG.1 OIL COOLER INLET OIL DEG.C	S-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	S-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	S-0 ENG. N.G.B COOLE OUTLE OI DEG.
297	94	3	66	92	43	27	65
298	94	22	65	90	29	27	65
299	94	41	64	89	37	27	64
300	95	0	62	90	67	27	64
301	95	19	63	93	26	25	64
302	95	38	64	95	62	25	65
303	95	57	66	97	66	26	66
304	96	17	67	98	80	27	67
305	96	36	68	100	37	25	66
306	96	55	69	101	45	26	68
307	97	14	70	99	36	27	70
308	97	33	70	96	73	27	68
309	97	52	68	93	41	27	67
310	98	11	67	92	42	27	66
311	98	30	65	91	42	28	65
312	98	49	64	89	41	28	64
313	99	8	63	88	42	27	63
314	99	27	62	87	42	28	63
315	99	46	61	86	39	28	62
316	100	6	61	86	42	27	62
317	100	25	60	85	30	27	61
318	100	44	60	84	8	27	61
319	101	3	61	88	68	27	61
320	101	22	61	92	55	26	64
321	101	41	62	94	59	25	63
322	102	0	65	96	37	26	66
323	102	19	66	97	42	26	67
324	102	38	67	99	45	25	68
325	102	57	68	100	52	26	68
326	103	16	70	96	42	27	70
327	103	35	69	95	52	27	68
328	103	54	68	93	39	28	68
329	104	14	67	92	45	27	66
330	104	33	66	91	43	28	66
331	104	52	65	90	29	28	66
332	105	11	65	89	42	28	65
333	105	30	64	88	43	28	66
334	105	49	64	89	30	28	66
335	106	8	64	89	42	28	65
336	106	27	64	88	52	28	64
337	106	46	63	87	45	28	64
338	107	5	62	88	42	28	64
339	107	25	62	87	42	27	65
340	107	44	63	87	55	28	65
341	108	3	64	87	51	28	65
342	108	22	62	88	51	28	66
343	108	41	63	88	45	28	65
344	109	0	64	88	53	28	63
345	109	37	61	86	44	28	61
346	110	24	60	84	45	28	

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
92	43	27	65	92	71	98	91	68
90	29	27	65	91	71	97	91	70
89	37	27	64	91	70	96	91	70
90	67	27	64	90	70	97	92	71
93	26	25	64	91	70	97	94	72
95	62	25	65	92	71	98	96	73
97	66	26	66	93	72	99	98	71
98	80	27	67	95	73	100	98	72
100	37	25	68	96	73	101	99	72
101	45	26	68	96	75	101	99	73
99	36	27	70	96	76	101	98	72
96	73	27	68	95	74	101	96	71
93	41	27	67	93	74	100	95	69
92	42	27	[illegible]	91	73	99	93	68
91	42	28	65	90	73	99	92	68
89	41	26	64	89	72	98	90	67
88	42	27	63	89	72	98	91	68
87	42	28	63	89	72	98	91	70
86	39	28	62	88	72	98	91	70
86	42	27	62	87	72	97	91	71
85	38	27	61	87	71	96	91	70
84	8	27	61	86	70	96	91	71
88	68	27	61	87	69	96	93	72
92	55	26	64	89	71	98	96	71
94	59	25	63	91	72	99	97	72
96	37	26	66	92	73	101	98	72
97	42	28	67	93	73	101	98	71
99	45	25	68	95	74	101	99	72
100	52	26	68	96	75	102	98	72
96	42	27	70	95	75	101	96	70
95	52	27	68	94	73	100	94	69
93	39	28	68	93	74	99	93	69
92	45	27	66	92	73	98	92	68
91	43	28	66	91	72	98	92	67
90	29	28	66	89	72	96	90	68
89	43	28	65	89	71	96	89	69
88	43	28	60	88	71	95	90	70
89	30	28	66	90	70	96	91	70
89	42	28	65	89	69	95	91	70
88	52	28	64	88	69	94	91	71
87	45	28	64	88	69	93	90	70
88	42	28	64	88	69	93	90	70
87	42	27	65	88	69	92	90	71
87	55	28	65	88	69	92	89	71
87	51	28	65	88	69	93	90	70
88	51	28	66	88	69	92	91	71
88	45	28	6[illegible]	88	68	92	90	71
88	53	28	63	88	68	92	90	70
86	44	28	61	88	69	92	89	70
84	45	28	[illegible]	85	69	91	89	70

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
347	110	43	59	84	44	28	63
348	111	2	60	82	35	27	64
349	111	21	62	81	38	28	67
350	111	40	63	79	46	28	70
351	111	59	64	78	51	28	70
352	112	18	65	78	42	28	70
353	112	38	65	77	45	29	70
354	112	57	65	76	51	29	69
355	113	16	65	75	46	30	69
356	113	35	65	75	51	30	69
357	*	*	*	*	*	*	*

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
84	44	28	63	85	69	90	88	71
82	35	27	64	81	69	87	88	72
81	38	28	67	79	71	85	88	78
79	46	28	70	79	73	84	85	81
78	51	28	70	78	73	83	85	81
78	42	28	70	78	73	82	84	81
77	45	29	70	77	73	82	83	80
76	51	29	69	77	73	82	82	80
75	46	30	69	77	72	82	81	79
75	51	30	69	77	73	81	80	78
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-1 TA GE BO OI TE DEG.
1	0	14	23	22	23	24	2
2	17	13	23	23	22	24	2
3	0	52	23	23	22	24	2
4	1	11	24	23	22	24	2
5	18	10	23	22	23	23	2
6	1	50	23	22	23	23	2
7	18	49	23	23	22	23	2
8	2	28	23	22	22	23	2
9	2	47	27	23	28	24	2
10	3	6	24	22	22	23	2
11	3	25	24	22	22	22	2
12	20	24	24	22	22	23	2
13	4	3	23	22	22	23	2
14	4	22	23	22	22	23	2
15	21	21	23	22	22	23	2
16	21	40	23	22	22	23	2
17	21	59	23	22	22	23	2
18	5	38	23	23	23	23	2
19	22	37	23	23	23	23	2
20	6	16	24	22	23	23	2
21	23	15	23	22	23	23	2
22	6	54	23	22	22	23	2
23	23	53	23	22	22	24	2
24	24	12	24	22	22	23	2
25	24	31	24	22	23	23	2
26	8	10	23	22	22	23	2
27	25	9	23	22	22	22	2
28	25	28	23	22	22	22	2
29	9	7	23	22	22	22	2
30	9	26	23	22	22	23	2
31	26	25	23	22	22	23	2
32	10	4	23	22	22	23	2
33	27	3	23	22	22	23	2
34	27	22	23	22	22	22	2
35	11	1	23	22	22	23	2
36	28	0	23	22	22	22	2
37	28	19	23	22	22	22	2
38	28	38	23	22	22	23	2
39	28	57	23	23	23	23	2
40	12	36	23	23	22	23	2
41	12	55	23	22	23	23	2
42	29	54	23	22	22	23	2
43	30	13	23	22	23	22	2
44	30	32	23	22	22	22	
45	14	11	23	22	22	23	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
22	23	24	24	22	22	22	22	22
23	22	24	24	22	22	22	22	22
23	22	24	24	22	22	22	22	22
23	22	24	24	22	22	22	22	22
22	23	23	24	22	22	22	22	22
22	23	23	24	22	22	22	22	22
23	22	23	24	22	22	22	22	22
22	22	23	23	22	22	22	22	22
23	28	24	25	27	25	22	22	22
22	22	23	24	22	22	22	22	22
22	22	22	24	22	22	22	22	22
22	22	23	24	22	22	22	22	22
22	22	23	23	22	22	22	22	22
22	22	23	24	22	22	22	22	22
22	22	23	24	22	22	22	22	22
22	22	23	24	22	22	22	22	22
22	22	23	24	22	22	22	22	22
23	23	23	23	22	22	22	22	22
23	23	23	24	22	22	22	22	22
22	23	23	24	22	22	22	22	22
22	23	23	24	22	22	22	22	22
22	22	23	24	22	22	22	22	22
22	22	24	24	22	22	22	22	22
22	22	23	24	22	22	22	22	22
22	23	23	24	22	22	22	22	22
22	22	23	23	22	22	22	22	22
22	22	23	23	22	22	22	22	22
22	22	22	23	22	22	22	22	22
22	22	22	24	22	22	22	22	22
22	22	23	23	22	22	22	22	22
22	22	23	23	22	22	22	22	22
22	22	23	24	22	22	22	22	22
22	22	23	24	22	22	22	22	22
22	22	22	24	22	22	22	21	22
22	22	23	23	22	22	22	22	22
22	22	22	23	22	22	22	22	22
22	22	22	24	22	22	22	22	22
22	22	23	24	22	22	22	22	22
23	23	23	24	23	22	22	22	22
23	22	23	24	22	22	22	22	22
22	23	23	24	22	22	22	22	22
22	22	23	24	22	22	22	22	22
22	23	22	24	22	22	22	22	22
22	22	22	24	22	22	22	22	22
22	22	23	24	22	22	22	22	22

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-15 ACCESS GEAR BOX OIL TEMP DEG.C	S-16 MAIN G.BOX COOLER INLET OIL DEG.C	S-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	S-18 INTER. GEAR BOX OIL TEMP DEG.C	S-19 TAIL GEAR BOX OIL TEMP DEG.C
46	14	30	23	22	22	22	24
47	31	29	22	22	22	22	24
48	15	8	22	22	22	22	24
49	32	7	23	22	22	22	23
50	15	46	23	22	22	22	24
51	16	5	23	22	22	22	24
52	33	4	27	22	22	22	23
53	16	43	22	22	22	22	23
54	17	2	22	22	22	22	23
55	17	21	23	22	22	23	24
56	17	40	23	23	22	23	24
57	17	59	22	23	22	22	24
58	18	18	23	22	22	22	23
59	18	38	22	22	22	22	24
60	18	57	27	23	27	23	24
61	19	16	23	23	22	22	24
62	19	35	22	22	22	22	24
63	19	54	22	22	22	22	23
64	20	13	22	22	22	22	23
65	20	32	22	22	22	22	24
66	20	51	22	22	22	22	24
67	21	10	22	22	22	22	24
68	21	29	22	22	22	22	23
69	21	48	22	22	22	22	23
70	22	7	22	22	22	22	23
71	22	26	22	22	22	22	23
72	22	45	23	22	22	22	23
73	23	4	22	22	22	22	24
74	23	23	22	22	22	22	23
75	23	42	22	22	22	22	23
76	24	1	22	23	22	22	24
77	24	20	23	22	22	31	26
78	24	39	24	22	22	30	25
79	24	58	26	22	23	29	25
80	25	17	27	22	22	29	25
81	25	36	29	22	22	30	26
82	25	55	30	22	22	30	25
83	26	14	32	22	22	30	25
84	26	33	33	22	22	30	25
85	26	52	35	22	22	30	25
86	27	11	36	23	22	29	25
87	27	30	37	23	22	29	25
88	27	49	38	22	22	30	25
89	28	8	40	22	22	30	25
90	*	*	*	*	*	*	*
92	29	5	44	22	22	29	25
93	29	24	44	22	23	29	25
94	29	43	45	22	22	29	25
95	30	2	47	22	22	29	25
96	30	21	48	22	22	29	25

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT STM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
22	22	22	24	22	22	22	22	22
22	22	22	24	22	22	22	21	22
22	22	22	24	22	22	22	22	22
22	22	22	23	22	22	22	22	22
22	22	22	24	22	22	22	21	22
22	22	22	24	22	22	22	21	22
22	22	22	23	22	22	22	21	22
22	22	22	23	22	22	22	22	22
22	22	22	23	22	22	22	22	22
22	22	23	24	22	22	22	22	22
23	22	23	24	22	22	22	22	22
23	22	22	24	22	22	22	22	22
22	22	22	23	22	22	22	22	22
22	22	22	24	22	22	22	21	22
23	27	23	24	26	26	22	22	22
23	22	22	24	22	21	22	22	22
22	22	22	24	22	22	22	22	22
22	22	22	23	22	22	22	21	22
22	22	22	23	22	22	22	21	22
22	22	22	24	22	22	22	22	22
22	22	22	24	22	21	22	22	22
22	22	22	24	22	22	22	22	22
22	22	22	23	22	21	22	22	22
22	22	22	23	22	21	21	21	21
22	22	22	23	22	22	21	21	22
22	22	22	23	22	21	21	21	21
22	22	22	23	22	21	21	21	21
22	22	22	24	22	21	21	22	21
22	22	22	23	22	21	21	22	21
22	22	22	23	22	21	22	21	22
23	22	22	24	22	22	22	22	22
22	22	31	26	22	22	22	22	22
22	22	30	25	22	21	21	22	21
22	23	29	25	22	21	21	22	21
22	22	29	25	22	21	22	21	22
22	22	30	26	22	21	21	22	22
22	22	30	25	22	21	22	21	22
22	22	30	25	22	20	21	22	21
22	22	30	25	23	21	21	22	22
22	22	30	25	24	22	22	22	22
23	22	29	25	25	21	21	22	22
23	22	29	25	25	21	21	22	23
22	22	30	25	25	21	21	22	23
22	22	30	25	25	21	21	22	23
*	*	*	*	*	21	21	22	23
22	22	29	25	28	21	21	22	23
22	23	29	25	28	22	21	22	24
22	22	29	26	28	22	21	22	24
22	22	29	25	29	21	21	22	24
22	22	29	25	30	22	21	22	24

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
97	30	40	48	22	22	29	25
98	30	59	50	22	22	29	25
99	31	18	50	22	22	29	25
100	31	37	51	22	22	29	25
101	31	56	52	22	22	29	25
102	32	15	54	22	22	29	25
103	32	34	54	22	22	29	25
104	32	53	55	22	22	29	25
105	33	12	56	22	22	29	25
106	33	31	56	22	22	29	25
107	33	50	58	22	22	29	26
108	34	9	59	22	22	29	25
109	34	28	59	22	22	29	25
110	34	47	60	22	22	29	25
111	35	6	60	22	22	29	25
112	35	25	62	22	22	29	25
113	35	44	63	22	22	29	25
114	36	3	62	22	22	29	25
115	36	22	64	22	22	29	25
116	36	41	64	22	22	29	25
117	37	0	65	22	22	29	25
118	37	19	65	22	22	29	25
119	37	38	66	22	22	29	26
120	37	57	67	22	23	29	25
121	38	16	67	22	22	29	25
122	38	35	68	22	22	29	25
123	38	54	68	22	22	29	25
124	39	13	70	22	23	29	25
125	39	32	70	22	22	29	25
126	39	51	71	22	22	29	25
127	40	10	71	22	22	29	25
128	40	29	72	22	22	29	25
129	40	48	72	22	22	28	25
130	41	7	73	22	22	29	25
131	41	26	73	22	22	29	25
132	41	45	73	22	22	28	25
133	42	4	75	22	22	29	25
134	42	23	74	22	22	28	25
135	42	42	76	22	22	28	24
136	43	1	76	22	22	28	25
137	43	20	77	22	22	29	25
138	43	39	78	22	22	28	25
139	43	58	78	22	22	29	25
140	44	17	79	22	22	28	25
141	44	36	78	22	22	28	25
142	44	55	79	22	22	28	25
143	45	14	80	22	22	28	25
144	45	33	80	22	23	29	25
145	45	52	81	22	22	28	25
146	46	11	81	22	22	27	

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
22	22	29	25	30	22	21	23	24
22	22	29	25	31	21	21	23	24
22	22	29	25	32	22	22	22	25
22	22	29	25	33	22	21	22	25
22	22	29	25	33	22	21	23	25
22	22	29	25	34	22	22	23	25
22	22	29	25	35	22	22	23	25
22	22	29	25	35	22	22	23	25
22	22	29	25	37	22	21	23	25
22	22	29	25	36	23	21	23	25
22	22	29	26	37	22	22	23	25
22	22	29	25	38	23	21	23	26
22	22	29	25	39	22	22	23	26
22	22	29	25	39	22	21	23	26
22	22	29	25	41	22	22	24	26
22	22	29	25	40	23	22	23	27
22	22	29	25	41	22	21	23	26
22	22	29	25	42	23	21	24	26
22	22	29	25	42	23	22	24	27
22	22	29	25	43	24	22	24	26
22	22	29	25	44	24	22	24	26
22	22	29	25	44	24	21	24	27
22	22	29	26	45	24	22	24	27
22	23	29	25	46	24	22	24	27
22	22	29	25	46	24	22	24	28
22	22	29	25	46	24	22	24	27
22	22	29	25	48	25	22	24	28
22	23	29	25	48	25	22	24	28
22	22	29	25	48	24	22	24	28
22	22	29	25	49	25	22	24	28
22	22	29	25	49	24	22	24	28
22	22	29	25	50	24	22	25	28
22	22	28	25	50	24	22	24	28
22	22	29	25	51	24	22	24	28
22	22	29	25	51	25	22	25	28
22	22	28	25	52	24	22	25	28
22	22	29	25	52	25	22	25	29
22	22	28	25	53	25	22	25	29
22	22	28	24	52	25	22	25	29
22	22	28	25	52	25	22	25	29
22	22	29	25	54	26	22	25	29
22	22	28	25	54	25	22	25	29
22	22	29	25	54	26	22	25	29
22	22	28	25	55	25	22	25	29
22	22	28	25	55	26	22	25	29
22	22	28	25	56	25	22	26	29
22	22	28	25	57	25	22	25	29
22	23	29	25	57	25	22	26	30
22	22	28	25	58	26	22	26	30
22	22	27		58	26	22	26	30

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
147	46	30	81	22	22	28	25
148	46	49	82	22	22	28	25
149	47	8	82	22	22	27	25
150	47	27	83	22	22	28	25
151	47	46	83	22	22	28	25
152	48	5	84	22	22	28	25
153	48	24	85	22	22	28	25
154	48	43	85	22	22	28	25
155	49	2	85	22	22	28	25
156	49	21	85	22	22	27	25
157	49	40	84	22	22	28	25
158	49	59	85	22	22	28	25
159	50	18	85	22	22	27	25
160	50	37	85	22	22	28	25
161	50	56	85	22	22	27	25
162	51	15	86	22	22	28	25
163	51	34	85	22	22	28	25
164	51	53	86	22	22	28	25
165	52	12	86	22	22	28	24
166	52	31	86	22	22	28	25
167	52	50	86	22	22	27	25
168	53	9	86	22	22	27	25
169	53	28	86	22	22	27	25
170	53	47	86	22	22	27	25
171	54	6	87	22	22	27	24
172	54	25	87	22	22	28	24
173	54	44	87	22	22	27	25
174	55	3	87	22	22	28	25
175	55	22	87	22	22	27	24
176	55	41	88	22	22	27	25
177	56	0	88	22	22	27	25
178	56	19	89	22	22	27	25
179	56	38	89	22	22	27	24
180	56	57	89	22	22	27	25
181	57	16	89	22	22	27	25
182	57	35	89	22	22	27	25
183	57	54	89	22	22	27	24
184	58	13	91	22	22	27	25
185	58	32	90	22	22	27	25
186	58	51	90	22	22	27	25
187	59	10	91	22	22	27	25
188	59	29	91	22	22	27	24
189	59	48	91	22	22	27	25
190	60	7	91	24	23	28	25
191	60	26	91	24	24	28	24
192	60	45	91	24	25	28	25
193	61	4	91	24	25	27	25
194	61	23	91	25	25	28	26
195	61	42	91	25	25	28	26
196	62	1	91	26	27	28	25

5-16 MAIN G.BOX OOLER NLET OIL EG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
22	22	28	25	59	26	22	25	30
22	22	28	25	59	26	22	26	30
22	22	27	25	59	26	22	25	30
22	22	28	25	60	26	22	26	29
22	22	28	25	59	25	22	26	30
22	22	28	25	60	25	22	26	31
22	22	28	25	61	26	22	26	31
22	22	28	25	61	25	22	26	30
22	22	28	25	60	25	22	26	31
22	22	27	25	60	25	22	26	30
22	22	28	25	59	25	22	26	31
22	22	28	25	60	25	22	26	31
22	22	27	25	60	25	22	26	30
22	22	28	25	59	25	22	26	31
22	22	27	25	59	24	22	27	30
22	22	28	25	59	24	22	27	31
22	22	28	25	59	24	22	26	31
22	22	28	25	59	24	22	26	31
22	22	28	24	59	24	22	26	31
22	22	28	25	60	24	23	26	29
22	22	27	25	59	23	22	25	29
22	22	27	25	59	24	22	25	28
22	22	27	25	59	23	22	25	28
22	22	27	25	59	24	22	25	27
22	22	27	24	60	23	22	25	28
22	22	28	24	61	24	22	25	27
22	22	27	25	61	23	22	25	27
22	22	28	25	61	23	23	25	27
22	22	27	24	62	23	23	24	27
22	22	27	25	63	23	22	24	27
22	22	27	25	62	24	22	25	27
22	22	27	25	63	23	22	25	27
22	22	27	24	61	23	22	25	26
22	22	27	25	64	23	22	24	26
22	22	27	25	64	23	22	25	26
22	22	27	25	65	23	22	25	26
22	22	27	24	65	23	22	24	26
22	22	27	25	65	23	22	25	27
22	22	27	25	65	22	22	24	26
22	22	27	25	66	23	22	24	27
22	22	27	25	66	23	23	24	27
22	22	27	24	66	22	22	24	26
22	22	27	25	66	22	23	24	27
24	23	28	25	67	22	23	24	26
24	24	28	24	66	23	23	24	26
24	25	28	25	64	23	23	24	26
24	25	27	25	65	23	23	24	26
25	25	28	26	64	23	23	24	25
25	25	28	26	64	23	23	25	26
26	27	28	28	62	23	23	25	25

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
197	62	20	90	28	28	29	29
198	62	39	90	29	29	28	30
199	62	58	89	31	31	29	32
200	63	17	89	33	33	29	33
201	63	36	89	35	34	31	34
202	63	55	89	37	36	31	34
203	64	14	89	39	38	32	35
204	64	33	89	41	39	33	36
205	64	52	88	42	41	33	37
206	65	11	89	44	42	34	38
207	65	30	88	45	43	34	38
208	65	49	88	47	44	36	38
209	66	8	87	48	45	35	39
210	66	27	87	49	47	36	39
211	66	46	87	51	48	37	40
212	67	5	87	51	48	37	41
213	67	24	86	52	49	38	40
214	67	43	86	54	49	38	41
215	68	2	86	55	50	39	41
216	68	21	86	56	51	40	41
217	68	40	86	57	51	41	42
218	68	59	85	58	51	35	40
219	69	18	85	58	52	41	42
220	69	37	85	59	52	43	43
221	69	56	85	59	52	43	43
222	70	15	84	60	52	43	44
223	70	34	84	61	53	44	44
224	70	53	84	62	52	44	44
225	71	12	83	62	53	44	44
226	71	31	84	63	54	45	45
227	71	50	83	64	53	46	45
228	72	9	84	64	53	46	45
229	72	28	83	64	53	46	46
230	72	47	83	65	53	46	46
231	73	6	83	65	53	47	47
232	73	25	83	66	52	47	47
233	73	44	83	66	52	46	47
234	74	3	82	66	53	47	47
235	74	22	82	66	52	48	48
236	74	41	82	66	53	49	48
237	75	0	81	66	53	49	48
238	75	19	82	66	53	49	48
239	75	38	82	66	52	49	49
240	75	57	82	67	53	49	48
241	76	16	82	67	52	49	48
242	76	35	82	67	53	51	49
243	76	54	81	67	54	50	49
244	77	13	82	67	53	51	49
245	77	32	82	68	52	51	50
246	77	51	81	68	54	51	50

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
28	28	29	29	61	24	23	25	25
29	29	28	30	61	23	23	24	25
31	31	29	32	61	24	23	24	25
33	33	29	33	60	25	23	24	25
35	34	31	34	60	25	23	24	26
37	36	31	34	61	25	23	24	25
39	38	32	35	61	26	23	24	25
41	39	33	36	61	26	23	24	26
42	41	33	37	60	26	23	24	25
44	42	34	38	61	26	24	24	25
45	43	34	38	61	26	24	24	25
47	44	36	38	61	27	24	24	25
48	45	35	39	61	27	24	24	25
49	47	36	39	61	27	24	24	25
51	48	37	40	61	28	24	24	25
51	48	37	41	61	28	24	24	25
52	49	38	40	61	27	24	24	25
54	49	38	41	61	28	23	24	25
55	50	39	41	61	28	23	24	25
56	51	40	41	61	28	23	24	25
57	51	41	42	61	28	23	24	25
58	51	35	40	62	28	23	23	25
58	52	41	42	61	28	23	24	25
59	52	43	43	61	28	23	24	25
59	52	43	43	62	28	23	24	25
60	52	43	44	62	28	23	23	25
61	53	44	44	62	29	23	24	24
62	52	44	44	62	28	23	23	25
62	53	44	44	62	28	24	23	25
63	54	45	45	61	29	23	24	25
64	53	46	45	62	29	24	24	25
64	53	46	45	61	29	24	23	25
64	53	46	46	62	28	24	24	24
65	53	46	46	62	28	23	24	25
65	53	47	47	61	29	23	23	25
66	52	47	47	61	29	23	24	24
66	52	46	47	61	28	23	24	25
66	53	47	47	61	28	23	23	24
66	52	48	48	61	29	23	24	24
66	53	49	48	62	29	24	23	24
66	53	49	48	61	28	23	23	25
66	53	49	48	61	28	23	23	24
66	52	49	49	61	28	23	23	24
67	53	49	48	61	27	23	23	24
67	52	49	48	62	28	23	23	24
67	53	51	49	62	27	23	23	24
67	54	50	49	62	28	23	23	24
67	53	51	49	61	28	23	22	24
68	52	51	50	61	27	23	23	24
68	54	51	50	61	27	23	23	24

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
247	78	10	82	68	53	52	51
248	78	29	82	68	52	51	51
249	78	48	81	68	53	51	51
250	79	7	81	68	53	51	51
251	79	26	81	69	52	49	52
252	79	45	81	69	52	50	52
253	80	4	81	70	54	49	52
254	80	23	81	70	54	51	52
255	80	42	81	70	53	52	52
256	81	2	81	70	53	53	52
257	81	21	81	70	53	53	52
258	81	40	80	69	52	52	53
259	81	59	81	70	53	52	53
260	82	18	80	70	53	51	54
261	82	37	80	70	52	51	54
262	82	56	80	71	52	50	54
263	83	15	80	71	53	51	54
264	83	34	79	71	53	51	55
265	83	53	79	72	53	51	54
266	84	12	80	72	54	52	55
267	84	31	79	72	54	51	55
268	84	50	79	72	54	52	55
269	85	9	79	73	53	52	55
270	85	28	79	73	53	52	56
271	85	47	79	72	54	52	56
272	86	6	79	73	54	52	56
273	86	25	79	73	54	53	56
274	86	44	78	73	54	53	56
275	87	3	79	73	54	53	57
276	87	22	78	73	54	53	57
277	87	41	79	74	53	54	57
278	88	1	79	74	54	54	57
279	88	20	78	74	54	54	58
280	88	39	78	75	54	54	58
281	88	58	78	75	54	54	58
282	89	17	77	76	56	55	58
283	89	36	77	75	56	56	58
284	89	55	78	75	55	56	58
285	90	14	78	75	55	57	59
286	90	33	78	76	53	57	59
287	90	52	78	74	53	56	59
288	91	11	77	75	54	55	59
289	91	30	77	75	54	55	59
290	91	50	77	75	54	55	60
291	92	9	77	76	54	56	60
292	92	28	77	76	55	55	60
293	92	47	77	77	55	56	60
294	93	6	78	77	55	56	61
295	93	25	78	78	56	56	61
296	93	44	78	77	56	56	61

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
69	53	52	51	61	28	23	23	24
68	52	51	51	61	27	23	23	24
68	53	51	51	60	26	23	23	23
68	53	51	51	60	27	23	23	23
69	52	49	52	60	26	24	23	22
69	52	50	52	59	26	23	22	22
70	54	49	52	59	26	23	23	22
70	54	51	52	59	26	23	22	22
70	53	52	52	59	26	22	23	22
70	53	53	52	59	25	23	22	22
70	53	53	52	60	26	23	23	23
69	52	52	53	59	25	23	22	22
70	53	52	53	59	25	23	22	22
70	53	51	54	59	25	23	23	22
70	52	51	54	58	24	23	22	22
71	52	50	54	58	24	24	22	21
71	53	51	54	58	25	23	22	22
71	53	51	55	58	24	24	22	22
72	53	51	54	58	24	24	22	22
72	54	52	55	58	24	23	23	22
72	54	51	55	58	24	23	23	22
72	54	52	55	58	24	24	22	22
73	53	52	55	59	24	24	23	22
73	53	52	56	56	23	24	22	22
72	54	52	56	57	24	24	22	22
73	54	52	56	57	23	24	23	22
73	54	53	56	57	24	24	23	22
73	54	53	56	57	23	24	23	22
73	54	53	57	57	22	23	23	22
73	54	53	57	56	23	24	23	22
74	53	54	57	56	23	23	23	23
74	54	54	57	56	22	23	23	22
74	54	54	58	56	23	23	22	23
75	54	54	58	56	22	24	23	23
75	54	54	58	56	22	23	23	23
76	56	55	58	56	22	23	23	22
75	56	56	58	57	22	23	23	23
75	55	56	58	57	22	23	23	23
75	55	57	59	58	22	23	23	23
74	53	57	59	58	23	24	23	23
74	53	56	59	58	22	24	23	23
75	54	55	59	56	22	24	23	23
75	54	55	59	57	22	24	23	23
75	54	55	60	56	22	24	23	24
76	54	56	60	56	22	24	23	24
76	55	55	60	56	22	24	24	23
77	55	56	60	56	22	24	23	23
77	55	56	61	56	22	24	24	23
78	56	56	61	56	22	23	24	24
77	56	56	61	56	22	23	24	23

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
297	94	3	77	76	55	57	61
298	94	22	77	76	56	57	60
299	94	41	77	75	56	58	61
300	95	0	78	75	54	57	60
301	95	19	76	75	53	57	61
302	95	38	77	76	54	56	61
303	95	57	77	77	55	56	61
304	96	17	77	78	55	56	62
305	96	36	77	78	55	58	63
306	96	55	76	79	56	58	63
307	97	14	77	80	58	57	63
308	97	33	78	79	58	59	62
309	97	52	77	79	58	60	62
310	98	11	77	78	57	59	62
311	98	30	77	78	58	59	62
312	98	49	77	77	57	59	62
313	99	8	78	76	55	59	63
314	99	27	78	76	56	59	62
315	99	46	78	76	56	59	63
316	100	6	77	75	55	59	63
317	100	25	77	75	55	59	63
318	100	44	76	75	54	59	63
319	101	3	77	74	53	59	63
320	101	22	78	75	54	59	63
321	101	41	77	76	54	59	63
322	102	0	77	77	55	59	64
323	102	19	77	78	55	59	64
324	102	38	76	78	55	58	64
325	102	57	77	79	57	59	64
326	103	16	76	79	58	60	65
327	103	35	78	79	58	61	64
328	103	54	78	78	58	62	65
329	104	14	78	78	58	62	65
330	104	33	77	77	58	63	64
331	104	52	77	77	56	63	64
332	105	11	78	76	56	63	65
333	105	30	78	76	56	64	64
334	105	49	78	76	56	64	65
335	106	8	77	75	56	64	65
336	106	27	78	75	56	64	65
337	106	46	78	74	56	64	65
338	107	5	78	74	56	64	65
339	107	25	76	73	55	63	64
340	107	44	76	73	55	63	65
341	108	3	79	73	55	63	65
342	108	22	79	73	55	64	66
343	108	41	76	72	53	63	65
344	109	0	78	73	54	62	65
345	109	37	78	72	54	61	65
346	110	24	80	71	55	61	65

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
76	55	57	61	56	22	23	24	23
76	56	57	60	57	22	23	24	24
75	56	58	61	56	22	23	24	23
75	54	57	60	57	22	24	24	24
75	53	57	61	56	22	24	24	23
76	54	56	61	56	21	24	24	23
77	55	56	61	55	21	24	24	23
78	55	56	62	56	22	24	24	24
78	55	58	63	55	22	24	24	23
79	56	58	63	55	22	24	24	23
80	58	57	63	56	22	24	24	24
79	58	59	62	56	22	24	24	24
79	58	60	62	57	22	24	24	24
78	57	59	62	57	22	24	24	23
78	58	59	62	57	22	24	24	24
77	57	59	62	57	22	24	24	24
76	55	59	63	58	22	24	24	24
76	56	59	62	58	22	24	24	24
76	56	59	63	58	22	24	24	24
75	55	59	63	58	22	24	24	24
75	55	59	63	58	22	24	24	24
75	54	59	63	59	22	24	24	24
74	53	59	63	58	22	24	24	23
75	54	59	63	57	22	24	24	24
76	54	59	63	57	22	25	24	24
77	55	59	64	57	22	25	24	24
78	56	59	64	56	22	25	24	24
78	55	58	64	57	23	25	24	24
79	57	59	64	57	22	24	24	24
79	58	60	65	56	22	24	24	24
79	58	61	64	57	23	24	24	24
78	58	62	65	57	23	24	24	24
78	58	62	65	58	23	24	24	24
77	58	63	64	58	22	24	24	24
77	56	63	64	59	22	24	24	24
76	56	63	65	59	22	24	24	24
76	56	64	64	59	22	24	24	24
75	56	64	65	60	22	24	24	24
75	56	64	65	60	23	25	24	24
75	54	64	65	60	23	24	25	24
74	56	64	65	60	23	24	25	24
74	56	64	65	60	22	25	24	24
73	55	63	64	61	23	25	24	24
73	55	63	65	61	23	25	24	24
73	55	63	65	61	23	25	25	24
73	55	64	66	62	25	25	25	24
72	55	63	65	61	23	25	24	24
73	54	62	65	62	23	25	25	24
72	54	61	65	62	24	25	25	24
71	55	61	[illegible]	61	25	24	25	24

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
347	110	43	79	71	55	60	64
348	111	2	81	71	55	61	64
349	111	21	81	70	54	62	64
350	111	40	82	70	54	63	63
351	111	59	82	69	53	64	63
352	112	18	83	69	54	64	64
353	112	38	83	69	54	56	61
354	112	57	80	69	55	56	61
355	113	16	78	68	57	56	60
356	113	35	76	68	58	56	60
357	*	*	*	*	*	*	*

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
71	55	60	64	62	25	24	24	24
71	55	61	64	63	25	24	25	24
70	54	62	64	63	26	24	25	24
70	54	63	63	64	25	24	24	24
69	53	64	63	64	26	24	25	24
69	54	64	64	65	26	24	24	24
69	54	56	61	66	26	24	24	24
69	55	56	61	67	27	24	24	24
68	57	56	60	67	27	24	24	24
68	58	56	60	67	28	24	24	24
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-2 GEN. MAS TEM DEG.
1	0	14	22	22	22	25	2
2	17	13	22	22	22	25	2
3	0	52	22	22	22	25	2
4	1	11	22	22	22	25	2
5	18	10	22	22	22	25	2
6	1	50	22	22	22	25	2
7	18	49	22	22	22	25	2
8	2	28	22	21	22	24	2
9	2	47	23	22	22	25	2
10	3	6	22	22	22	25	2
11	3	25	22	22	22	25	2
12	20	24	22	22	22	25	2
13	4	3	22	22	22	25	2
14	4	22	22	22	22	24	2
15	21	21	22	22	22	24	2
16	21	40	22	22	22	25	2
17	21	59	22	22	22	25	2
18	5	38	22	22	22	24	2
19	22	37	22	22	22	25	2
20	6	16	22	22	22	25	2
21	23	15	22	22	22	25	2
22	6	54	22	22	22	25	2
23	23	53	22	22	22	25	2
24	24	12	22	22	22	25	2
25	24	31	22	22	22	25	2
26	8	10	22	21	22	24	2
27	25	9	22	22	22	24	2
28	25	28	22	22	22	24	2
29	9	7	22	22	22	24	2
30	9	26	22	21	22	24	2
31	26	25	22	22	22	25	2
32	10	4	22	21	22	24	2
33	27	3	22	22	22	25	2
34	27	22	22	22	22	25	2
35	11	1	22	22	22	25	2
36	28	0	22	21	22	25	2
37	28	19	22	22	22	25	2
38	28	38	22	22	22	25	2
39	28	57	22	22	22	25	2
40	12	36	22	22	22	25	2
41	12	55	22	22	22	25	2
42	29	54	22	22	22	25	2
43	30	13	22	22	22	25	2
44	30	32	22	22	22	25	2
45	14	11	22	22	22	25	2

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	S-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	S-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	S-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	S-29 GEN.2 MASS TEMP DEG.C
46	14	30	21	22	22	25	22
47	31	29	22	22	22	24	22
48	15	8	22	21	22	24	22
49	32	7	22	22	22	24	22
50	15	46	22	22	22	24	22
51	16	5	22	22	22	25	22
52	33	4	22	22	22	24	22
53	16	43	22	21	21	24	22
54	17	2	22	21	22	24	22
55	17	21	22	22	22	24	22
56	17	40	22	22	22	25	22
57	17	59	22	22	21	25	22
58	18	18	22	22	21	25	22
59	18	38	22	22	22	24	22
60	18	57	22	22	22	25	22
61	19	16	22	22	22	25	22
62	19	35	22	21	22	25	22
63	19	54	22	22	22	24	22
64	20	13	22	22	21	25	22
65	20	32	22	21	22	24	22
66	20	51	22	21	21	25	22
67	21	10	22	22	22	24	22
68	21	29	21	21	22	25	22
69	21	48	22	21	21	24	22
70	22	7	21	22	21	25	22
71	22	26	22	21	21	25	22
72	22	45	21	21	22	24	22
73	23	4	21	21	22	24	22
74	23	23	21	22	21	25	22
75	23	42	21	21	21	25	22
76	24	1	22	22	22	25	22
77	24	20	21	21	21	25	22
78	24	39	21	21	21	25	21
79	24	58	22	21	22	24	21
80	25	17	22	22	22	24	21
81	25	36	21	22	21	25	21
82	25	55	22	22	22	25	21
83	26	14	22	22	22	25	21
84	26	33	22	22	22	24	2
85	26	52	22	22	22	24	2
86	27	11	22	22	23	24	2
87	27	30	22	22	23	25	2
88	27	49	22	23	23	24	2
89	28	8	22	23	23	24	2
90	*	*	23	23	24	25	3
92	29	5	23	24	24	25	3
93	29	24	24	24	25	24	3
94	29	43	23	23	25	25	3
95	30	2	23	24	25	24	3
96	30	21	24	24	25	25	3

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 NASS TEMP DEG.C
97	30	40	24	24	25	25	36
98	30	59	24	24	25	24	36
99	31	18	24	25	25	24	37
100	31	37	24	25	26	25	38
101	31	56	25	25	26	25	38
102	32	15	25	25	25	25	39
103	32	34	25	25	25	24	39
104	32	53	26	25	26	25	40
105	33	12	26	26	25	25	41
106	33	31	25	26	26	24	41
107	33	50	26	26	27	24	42
108	34	9	26	26	26	24	43
109	34	28	26	26	27	25	43
110	34	47	26	27	27	24	44
111	35	6	26	27	27	24	45
112	35	25	26	27	27	25	45
113	35	44	27	27	27	24	45
114	36	3	28	27	27	24	46
115	36	22	27	27	26	25	46
116	36	41	28	27	27	25	47
117	37	0	28	28	27	24	48
118	37	19	28	28	27	24	48
119	37	38	28	28	27	24	48
120	37	57	28	27	27	24	49
121	38	16	28	28	27	24	49
122	38	35	28	28	27	24	50
123	38	54	29	28	28	25	50
124	39	13	28	29	27	25	51
125	39	32	29	29	28	24	51
126	39	51	29	29	27	25	52
127	40	10	29	29	28	24	52
128	40	29	29	29	28	24	52
129	40	48	29	29	27	25	53
130	41	7	29	29	28	25	54
131	41	26	30	29	28	24	54
132	41	45	29	29	29	26	54
133	42	4	30	30	28	24	54
134	42	23	31	30	29	24	55
135	42	42	30	30	28	25	55
136	43	1	30	30	30	24	55
137	43	20	31	30	29	24	56
138	43	39	30	31	29	24	56
139	43	58	30	31	30	24	56
140	44	17	31	31	28	24	56
141	44	36	31	30	28	24	57
142	44	55	31	31	29	24	57
143	45	14	31	31	28	24	58
144	45	33	31	31	28	25	58
145	45	52	32	31	29	25	59
146	46	11	32	31	30	25	59

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	S-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	S-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	S-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	S- GEN MA TE DEG
147	46	30	32	31	28	25	6
148	46	49	32	31	28	24	5
149	47	8	32	31	28	24	6
150	47	27	32	31	29	24	6
151	47	46	32	31	28	25	6
152	48	5	33	32	28	25	6
153	48	24	33	32	29	24	6
154	48	43	33	32	29	24	6
155	49	2	33	32	29	25	6
156	49	21	33	32	28	24	5
157	49	40	34	32	29	24	5
158	49	59	33	32	29	24	5
159	50	18	33	32	28	24	5
160	50	37	33	33	29	24	5
161	50	56	33	33	29	24	5
162	51	15	34	33	29	24	5
163	51	34	33	34	29	24	5
164	51	53	34	33	29	25	5
165	52	12	34	33	29	25	5
166	52	31	34	33	31	24	5
167	52	50	34	33	29	24	5
168	53	9	34	33	29	24	5
169	53	28	34	33	29	24	5
170	53	47	34	34	29	25	5
171	54	6	35	34	29	25	5
172	54	25	34	34	30	25	5
173	54	44	35	33	29	25	5
174	55	3	34	34	29	24	5
175	55	22	35	34	30	25	5
176	55	41	35	34	29	25	5
177	56	0	35	34	30	24	5
178	56	19	35	34	30	24	5
179	56	38	35	34	29	24	5
180	56	57	35	34	30	24	5
181	57	16	35	34	29	24	5
182	57	35	36	34	30	24	5
183	57	54	35	34	29	24	5
184	58	13	36	34	29	24	5
185	58	32	36	34	29	24	5
186	58	51	36	35	30	24	5
187	59	10	36	35	30	24	5
188	59	29	36	35	29	25	5
189	59	48	36	35	31	24	5
190	60	7	36	35	31	25	5
191	60	26	36	35	33	25	5
192	60	45	36	35	34	25	5
193	61	4	36	34	35	24	5
194	61	23	36	35	35	25	5
195	61	42	36	35	35	24	5
196	62	1	36	34	36	24	5

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-2 GEN. MAS TEM DEG.
197	62	20	36	34	36	24	64
198	62	39	36	34	36	24	64
199	62	58	36	35	36	24	64
200	63	17	36	34	36	24	65
201	63	36	36	34	36	24	64
202	63	55	36	34	36	24	64
203	64	14	36	34	35	24	64
204	64	33	36	34	36	24	64
205	64	52	36	34	36	24	65
206	65	11	36	34	35	24	64
207	65	30	36	34	35	24	65
208	65	49	36	34	35	25	65
209	66	8	36	34	35	24	65
210	66	27	36	34	36	24	64
211	66	46	36	34	36	24	64
212	67	5	36	33	36	24	64
213	67	24	36	33	38	24	64
214	67	43	36	34	37	25	64
215	68	2	35	33	36	24	64
216	68	21	35	33	36	25	65
217	68	40	35	33	36	24	64
218	68	59	34	33	36	24	64
219	69	18	34	33	36	24	64
220	69	37	35	32	35	25	64
221	69	56	35	33	33	24	64
222	70	15	35	34	31	24	64
223	70	34	36	33	29	24	64
224	70	53	35	33	29	25	64
225	71	12	36	33	28	24	64
226	71	31	36	33	28	25	64
227	71	50	36	33	27	24	64
228	72	9	35	33	27	25	64
229	72	28	35	33	27	24	64
230	72	47	35	33	27	25	64
231	73	6	35	33	27	25	64
232	73	25	36	33	27	25	64
233	73	44	36	33	26	25	64
234	74	3	36	33	25	24	64
235	74	22	35	33	26	25	64
236	74	41	36	33	25	24	64
237	75	0	36	33	25	24	64
238	75	19	36	33	25	24	64
239	75	38	36	33	25	24	64
240	75	57	36	33	25	24	64
241	76	16	36	33	25	25	64
242	76	35	35	33	25	25	64
243	76	54	36	33	25	24	64
244	77	13	36	33	25	24	64
245	77	32	36	33	24	25	64
246	77	51	36	33	24	24	64

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
247	78	10	36	32	25	24	63
248	78	29	36	33	24	25	63
249	78	48	37	32	22	25	63
250	79	7	36	32	22	25	62
251	79	26	36	32	22	25	62
252	79	45	36	31	21	25	62
253	80	4	36	31	22	25	61
254	80	23	36	31	23	25	62
255	80	42	36	31	23	25	62
256	81	2	36	32	23	25	62
257	81	21	36	32	23	25	62
258	81	40	36	31	22	24	62
259	81	59	36	31	22	24	62
260	82	18	36	31	22	24	61
261	82	37	36	31	22	25	62
262	82	56	36	31	21	24	60
263	83	15	36	31	21	25	60
264	83	34	35	30	21	25	61
265	83	53	36	30	21	25	60
266	84	12	35	30	21	25	60
267	84	31	35	29	21	25	59
268	84	50	35	29	21	25	60
269	85	9	35	29	22	25	60
270	85	28	36	30	22	25	59
271	85	47	36	30	22	25	59
272	86	6	35	30	21	25	59
273	86	25	35	30	22	25	59
274	86	44	35	29	22	25	59
275	87	3	35	29	22	25	58
276	87	22	36	30	22	25	58
277	87	41	35	30	22	25	59
278	88	1	35	30	23	24	58
279	88	20	35	31	23	25	58
280	88	39	35	30	23	24	58
281	88	58	35	30	23	25	57
282	89	17	35	31	23	24	58
283	89	36	36	31	24	25	58
284	89	55	36	31	24	24	59
285	90	14	36	31	24	24	59
286	90	33	35	31	24	25	59
287	90	52	36	31	22	25	58
288	91	11	36	31	23	25	58
289	91	30	36	31	23	24	59
290	91	50	35	31	24	24	58
291	92	9	35	31	24	25	58
292	92	28	36	31	24	24	57
293	92	47	35	31	24	25	58
294	93	6	36	31	24	24	58
295	93	25	36	30	24	24	57
296	93	44	35	31	24	25	58

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 NASS TEMP DEG.C
297	94	3	35	31	24	24	59
298	94	22	36	32	24	25	59
299	94	41	36	31	24	25	59
300	95	0	36	31	24	24	58
301	95	19	36	31	23	25	59
302	95	38	36	31	24	24	58
303	95	57	36	31	24	24	58
304	96	17	36	31	24	24	58
305	96	36	36	31	24	25	58
306	96	55	36	31	24	24	57
307	97	14	36	31	24	25	59
308	97	33	36	32	24	25	58
309	97	52	36	31	24	25	58
310	98	11	36	31	24	24	59
311	98	30	36	31	24	24	59
312	98	49	36	31	24	24	59
313	99	8	36	31	24	24	59
314	99	27	37	32	25	25	59
315	99	46	36	32	24	25	60
316	100	6	37	32	25	25	61
317	100	25	37	32	25	25	60
318	100	44	37	32	25	24	61
319	101	3	37	32	24	24	60
320	101	22	36	32	24	25	59
321	101	41	36	32	24	25	59
322	102	0	36	32	24	25	59
323	102	19	36	32	25	24	59
324	102	38	37	31	25	24	58
325	102	57	37	32	24	25	58
326	103	16	37	32	25	25	59
327	103	35	37	33	25	25	59
328	103	54	37	32	24	25	59
329	104	14	37	32	25	24	59
330	104	33	37	33	25	25	60
331	104	52	38	33	25	24	60
332	105	11	37	32	25	25	60
333	105	30	36	32	25	24	61
334	105	49	35	31	26	24	61
335	106	8	35	30	26	25	61
336	106	27	34	30	25	25	62
337	106	46	35	30	25	24	62
338	107	5	35	30	25	24	62
339	107	25	35	30	26	24	63
340	107	44	35	29	25	25	63
341	108	3	34	30	26	25	63
342	108	22	35	30	27	25	63
343	108	41	34	29	25	25	64
344	109	0	34	29	25	25	63
345	109	37	33	29	25	24	64
346	110	24	33	29	25	25	64

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5- GEN MA TE DEG
347	110	43	33	29	25	24	6
348	111	2	32	29	25	24	6
349	111	21	33	29	26	24	6
350	111	40	33	29	25	25	6
351	111	59	33	29	26	25	6
352	112	18	33	29	26	25	6
353	112	38	34	29	25	25	6
354	112	57	33	29	25	24	6
355	113	16	32	28	25	25	6
356	113	35	32	28	25	25	6
357	*	*	*	*	*	*	

HH-53C S/N 66-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
1	0	17	22	22	22	24	22
2	0	36	22	22	22	24	22
3	0	55	22	22	22	24	22
4	1	14	22	22	22	24	22
5	18	13	22	23	22	24	22
6	1	52	22	22	22	24	22
7	2	11	22	22	22	24	22
8	2	30	22	22	22	24	22
9	2	49	22	22	22	24	22
10	3	8	26	30	28	31	23
11	3	27	22	22	22	24	22
12	20	26	22	22	22	24	22
13	20	45	22	22	22	25	22
14	4	24	22	22	22	24	22
15	21	23	22	22	22	24	22
16	21	42	22	22	22	25	22
17	22	1	22	22	22	25	22
18	5	40	22	22	22	25	22
19	5	59	22	22	22	24	22
20	22	58	22	22	22	25	22
21	6	37	22	22	22	25	22
22	6	56	22	22	22	25	22
23	7	15	22	22	22	25	22
24	24	14	22	22	22	25	22
25	24	33	22	22	22	25	22
26	8	12	22	22	22	25	22
27	25	11	22	22	22	25	22
28	8	50	22	22	22	25	22
29	25	49	22	22	22	24	22
30	9	28	22	22	22	25	22
31	26	27	22	22	22	25	22
32	26	46	22	22	22	25	22
33	27	5	22	22	22	25	22
34	27	23	22	22	22	25	22
35	27	44	22	22	22	25	22
36	28	3	22	22	22	25	22
37	28	22	22	22	22	25	22
38	28	41	22	22	22	25	23
39	29	0	22	22	22	25	23
40	29	19	22	22	22	25	22
41	29	38	22	22	22	25	22
42	29	57	22	22	22	25	22
43	13	36	22	22	22	25	23
44	13	55	22	22	22	25	23
45	38	54	22	22	22	25	23

HH-53C S/N 66-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

6-06 ENG.2 FUEL NTRL INLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
22	22	24	22	22	23	22	23	22
22	22	24	22	22	23	22	22	22
22	22	24	22	22	22	22	22	23
22	22	24	22	22	22	22	23	22
23	22	24	22	22	22	22	22	22
22	22	24	22	22	22	22	23	22
22	22	24	22	22	22	22	22	22
22	22	24	22	22	23	22	23	29
22	22	24	22	22	23	22	23	23
22	22	24	22	22	23	22	23	22
30	28	31	23	22	22	22	22	23
22	22	24	22	22	22	22	22	23
22	22	24	22	22	22	22	23	23
22	22	25	22	22	22	22	23	22
22	22	24	22	22	22	22	23	22
22	22	24	22	22	22	22	23	23
22	22	25	22	22	22	22	23	22
22	22	25	22	22	22	22	23	23
22	22	25	22	22	22	22	23	23
22	22	24	22	22	23	22	24	24
22	22	25	22	22	22	22	23	23
22	22	25	22	22	22	22	23	23
22	22	25	22	22	23	22	24	23
22	22	25	22	22	23	22	23	23
22	22	25	22	22	22	22	23	23
22	22	25	22	22	22	22	23	23
22	22	25	22	22	22	22	23	23
22	22	25	22	22	22	22	23	22
22	22	24	22	22	22	21	23	23
22	22	25	22	22	22	22	24	23
22	22	25	22	22	22	21	23	23
22	22	25	22	22	22	22	23	23
22	22	25	22	22	22	22	23	23
22	22	25	22	23	22	21	23	22
22	22	25	22	23	22	21	23	23
22	22	25	22	23	22	21	23	22
22	22	25	22	22	22	21	23	23
22	22	25	23	23	22	22	23	23
22	22	25	23	22	22	22	23	23
22	22	25	22	22	22	22	23	23
22	22	25	22	22	22	21	23	23
22	22	25	22	23	23	22	24	23
22	22	25	23	22	22	22	23	23
22	22	25	23	22	22	21	23	23
22	22	25	23	22	22	21	23	23

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
46	31	13	22	22	22	25	23
47	31	32	22	22	21	25	23
48	15	11	22	22	22	24	22
49	32	10	22	22	22	25	22
50	15	49	22	22	21	25	23
51	32	48	22	22	22	24	23
52	33	7	22	22	22	25	23
53	16	46	22	22	21	25	22
54	17	5	22	22	21	25	23
55	17	24	22	22	21	25	22
56	17	43	22	22	21	25	23
57	18	2	22	22	21	25	22
58	18	21	22	22	22	25	22
59	18	40	22	22	22	25	23
60	18	59	22	22	22	25	23
61	19	18	22	22	21	25	23
62	19	37	22	22	21	25	23
63	19	56	22	22	21	25	23
64	20	15	22	22	21	25	22
65	20	34	22	22	21	25	23
66	20	53	22	22	21	25	22
67	21	12	22	22	21	25	22
68	21	31	22	22	21	25	22
69	21	50	22	22	21	25	22
70	22	9	22	22	21	25	22
71	22	28	22	22	21	25	23
72	22	47	22	22	21	25	23
73	23	6	22	22	21	25	23
74	23	25	22	21	21	25	23
75	23	44	22	22	21	24	22
76	24	3	22	22	21	25	23
77	24	22	21	21	22	24	22
78	24	41	22	22	22	25	22
79	25	0	22	22	22	24	23
80	25	19	22	22	21	25	22
81	25	38	22	21	21	24	22
82	25	57	22	21	22	25	22
83	26	16	22	22	21	25	23
84	26	35	22	22	21	25	23
85	26	54	22	21	22	24	23
86	27	13	22	21	22	24	23
87	27	32	22	21	21	25	22
88	27	51	22	22	21	25	23
89	28	10	22	21	21	25	23
90	28	29	22	21	22	25	23
92	28	48	22	22	22	25	23
93	29	7	22	22	21	25	23
94	29	26	22	22	21	25	23
95	30	45	22	22	21	25	23
96	30	28	22	22	21	25	23

6-06 ENG.2 FUEL ONTRL UTLET TENP EG.C	6-07 ENG.1 BOOST PUMP OUTLET TENP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
22	22	25	23	22	22	21	22	22
22	21	25	23	22	22	21	22	22
22	22	24	22	22	22	21	23	22
22	22	25	22	22	22	21	23	23
22	21	25	23	22	22	21	22	22
22	22	24	23	22	22	21	22	22
22	22	25	23	22	22	21	22	22
22	21	25	22	22	22	21	23	22
22	21	25	23	23	22	22	23	22
22	21	25	22	23	22	21	23	22
22	21	25	23	23	22	21	23	22
22	21	25	22	23	22	21	23	22
22	22	25	22	23	22	21	23	22
22	22	25	23	22	23	21	23	22
22	22	25	23	23	22	21	23	22
22	21	25	23	23	22	21	23	22
22	21	25	23	22	22	20	23	22
22	21	25	23	22	22	20	23	22
22	21	25	22	23	22	20	22	22
22	21	25	23	22	22	20	22	22
22	21	25	22	23	22	20	22	22
22	21	25	22	22	22	20	22	22
21	21	25	22	22	22	19	22	22
22	21	25	22	22	22	19	22	22
22	21	25	22	23	22	20	22	22
21	21	25	22	23	22	21	22	22
22	21	25	22	22	22	20	22	22
22	21	25	23	22	22	21	22	22
22	21	25	22	22	22	21	22	22
21	21	25	23	23	22	20	22	22
22	21	25	23	23	22	21	22	22
22	21	24	22	23	22	20	22	22
22	21	25	23	22	22	20	22	22
21	22	24	22	23	22	20	22	22
21	22	24	23	22	22	21	22	22
22	22	25	22	22	22	20	22	21
21	21	24	22	23	22	20	22	22
21	21	25	22	23	22	20	22	22
21	22	25	23	22	22	20	22	22
21	21	25	22	22	22	20	22	22
21	22	24	23	23	22	19	22	22
21	21	24	22	23	22	19	22	22
21	22	24	22	23	22	19	22	22
22	21	25	22	23	22	20	22	22
22	22	25	23	23	22	19	22	22
21	21	25	23	22	22	20	22	22
21	22	25	23	22	22	20	22	22
21	22	25	22	22	22	19	23	22
22	21	25	22	23	22	20	23	22
22	22	24	22	22	22	19	22	22

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
97	30	42	22	20	21	25	23
98	31	1	22	22	22	25	22
99	31	20	22	21	22	25	22
100	31	39	22	22	21	25	22
101	31	58	22	22	22	25	23
102	32	17	22	22	21	25	23
103	32	36	21	22	22	25	22
104	32	55	22	22	22	25	22
105	33	14	22	22	22	24	22
106	33	33	21	22	22	25	22
107	33	52	22	20	22	24	22
108	34	11	22	22	22	24	22
109	34	30	22	20	22	25	22
110	34	49	22	20	22	24	22
111	35	8	22	20	22	25	23
112	35	27	22	21	21	25	22
113	35	46	23	21	22	25	22
114	36	5	22	22	22	25	23
115	36	24	22	22	21	25	22
116	36	43	22	22	22	25	23
117	37	2	22	22	22	25	22
118	37	21	23	22	22	25	22
119	37	40	23	22	22	25	23
120	37	59	23	23	22	25	22
121	38	18	22	21	22	25	22
122	38	38	23	22	22	25	22
123	38	57	24	21	22	25	23
124	39	16	23	23	22	25	23
125	39	35	23	22	23	25	23
126	39	54	23	23	22	26	23
127	40	13	23	21	23	25	23
128	40	32	23	22	22	25	23
129	40	51	24	22	22	26	23
130	41	10	23	23	22	25	22
131	41	29	24	22	22	25	23
132	41	48	24	23	23	25	23
133	42	3	24	22	23	25	23
134	42	25	23	21	22	25	22
135	42	44	25	22	23	25	23
136	43	3	26	24	23	26	22
137	43	22	28	22	24	26	23
138	43	41	28	22	24	26	23
139	44	0	29	23	24	26	23
140	44	19	30	22	25	26	23
141	44	38	29	21	24	27	23
142	44	57	29	23	24	30	23
143	45	16	29	23	23	32	23
144	45	35	29	22	24	34	23
145	45	54	29	23	25	34	24
146	46	13	29	26	24	34	24

6-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
NG.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
FUEL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
NTRL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
ILET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
EMP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
EG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
20	21	25	23	23	22	19	22	22
22	22	25	22	22	22	19	22	22
21	22	25	22	22	22	19	23	22
22	21	25	22	23	22	19	22	22
22	22	25	23	22	22	19	22	23
22	21	25	23	22	22	19	22	22
22	22	25	22	22	22	19	23	22
22	22	25	22	23	22	18	22	22
22	22	24	22	22	22	18	23	22
22	22	25	22	22	22	19	23	22
20	22	24	22	23	22	19	22	23
22	22	24	22	23	22	19	23	22
20	22	25	22	22	22	19	23	22
20	22	24	22	22	22	19	23	22
20	22	25	23	22	22	19	23	22
21	21	25	22	22	22	18	23	23
21	22	25	22	23	22	19	23	23
22	22	25	23	22	22	19	23	22
22	21	25	22	23	22	18	24	23
22	22	25	23	22	21	18	24	22
22	22	25	22	23	22	18	24	23
22	22	25	22	23	22	19	23	24
22	22	25	23	23	22	19	24	23
23	22	25	22	23	21	20	24	23
21	22	25	22	22	22	19	24	23
22	22	25	22	23	21	19	24	23
21	22	25	23	23	22	19	24	24
23	22	25	23	23	22	18	24	24
22	23	25	23	23	22	18	24	23
23	22	26	23	23	21	18	24	24
21	23	25	23	23	22	18	25	23
22	22	25	23	23	21	18	24	24
22	22	26	23	23	21	18	24	24
23	22	25	22	23	21	18	24	24
22	22	25	23	23	21	17	24	23
23	23	25	23	23	21	18	24	23
22	23	25	23	23	21	17	25	24
21	22	25	22	23	21	17	24	24
22	23	25	23	23	21	18	24	24
24	23	26	22	23	21	18	25	24
22	24	26	23	22	21	18	26	25
22	24	26	23	23	22	18	27	26
23	24	26	23	23	22	18	28	27
22	25	26	23	22	21	17	28	27
21	24	27	23	23	21	17	28	27
23	24	30	23	23	21	17	30	29
23	23	32	23	23	21	17	31	29
22	24	34	23	23	21	17	34	28
23	25	34	24	23	21	17	34	29
24	24	34	23	23	21	17	35	29

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
147	46	32	30	27	24	35	24
148	46	51	30	29	24	36	24
149	47	10	30	31	24	37	23
150	47	29	29	33	24	37	23
151	47	48	29	29	24	37	24
152	48	7	30	29	24	38	24
153	48	26	29	29	24	38	24
154	48	45	29	29	24	39	23
155	49	4	29	29	24	39	24
156	49	23	29	31	24	40	23
157	49	42	29	29	24	40	23
158	50	1	29	29	25	41	24
159	50	20	29	29	24	42	24
160	50	39	30	29	24	41	24
161	50	58	29	30	25	42	24
162	51	17	30	31	25	42	24
163	51	36	30	29	25	42	24
164	51	55	30	29	25	42	24
165	52	14	31	30	26	43	25
166	52	33	31	29	25	43	25
167	52	52	30	29	26	44	25
168	53	11	31	29	26	44	25
169	53	30	31	29	25	44	25
170	53	49	31	29	26	44	25
171	54	8	31	29	26	45	25
172	54	27	31	29	26	44	25
173	54	46	30	29	26	45	25
174	55	5	31	30	26	45	25
175	55	24	31	30	25	44	25
176	55	43	31	30	26	45	25
177	56	2	31	29	26	45	25
178	56	21	31	29	25	46	26
179	56	40	32	29	26	45	26
180	56	59	31	29	26	45	26
181	57	18	31	30	26	46	26
182	57	37	31	28	26	45	26
183	57	56	31	29	26	46	26
184	58	15	32	30	26	46	25
185	58	34	31	30	26	46	26
186	58	53	31	30	25	47	26
187	59	12	32	29	26	46	26
188	59	31	31	29	26	46	26
189	59	50	31	30	27	46	26
190	60	9	33	29	27	47	27
191	60	28	34	29	27	46	27
192	60	47	35	30	25	46	27
193	61	6	35	29	26	46	27
194	61	25	36	29	25	46	27
195	61	44	36	29	24	45	27
196	62	3	36	28	24	45	27

6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
27	24	35	24	23	21	17	35	29
29	24	36	24	24	21	17	35	30
31	24	37	23	24	21	18	35	30
33	24	37	23	23	21	18	35	30
29	24	37	24	23	21	19	35	29
29	24	38	24	23	21	18	36	31
29	24	38	24	23	21	18	35	31
29	24	39	23	23	21	20	36	30
29	24	39	24	23	21	21	36	31
31	24	40	23	24	21	21	36	31
29	24	40	23	24	21	22	36	31
29	25	41	24	24	21	24	36	31
29	24	42	24	24	21	24	36	31
29	24	41	24	24	21	23	36	32
30	25	42	24	24	21	24	36	33
31	25	42	24	24	21	23	37	32
29	25	42	24	25	21	23	37	32
29	25	42	24	24	21	23	37	33
30	26	43	25	25	21	24	37	33
29	25	43	25	24	21	23	37	33
29	26	44	25	25	21	22	37	33
29	26	44	25	25	21	24	36	33
29	25	44	25	25	21	24	37	33
29	26	44	25	25	21	23	37	33
29	26	45	25	25	21	23	37	33
29	26	44	25	25	21	22	37	32
29	26	45	25	25	21	23	36	32
30	26	45	25	25	21	23	35	32
30	25	44	25	25	21	23	35	32
30	26	45	25	25	21	23	35	32
29	26	45	25	25	21	22	35	32
29	25	46	26	25	21	22	35	32
29	26	45	26	25	21	22	35	32
29	26	45	26	25	21	22	35	32
30	26	46	26	25	21	22	35	33
28	26	45	26	26	21	22	35	32
29	26	46	26	25	21	22	35	32
30	26	46	25	26	21	23	35	32
30	26	46	26	26	21	22	35	32
30	25	47	26	26	21	22	34	32
29	26	46	26	26	21	22	34	31
29	26	46	26	26	21	22	34	31
30	27	46	26	26	21	22	31	32
29	27	47	27	26	21	22	28	29
29	27	46	27	26	21	22	27	30
30	25	46	27	26	21	22	26	30
29	26	46	27	26	21	22	25	29
29	25	46	27	26	22	23	25	28
29	24	45	27	26	22	22	24	27
28	24	45	27	26	22	22	23	26

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
197	62	22	35	30	24	46	27
198	62	41	36	29	24	44	27
199	63	0	36	28	24	45	27
200	63	19	36	29	24	45	27
201	63	38	36	30	24	44	27
202	63	57	36	33	24	45	27
203	64	16	37	34	24	44	27
204	64	35	37	35	24	44	27
205	64	54	36	36	24	44	27
206	65	13	37	36	24	44	27
207	65	32	39	36	25	44	28
208	65	51	39	36	25	44	28
209	66	10	39	36	25	44	28
210	66	29	39	39	25	44	28
211	66	48	39	38	25	44	28
212	67	7	39	39	25	44	28
213	67	26	39	38	25	45	28
214	67	45	39	39	25	44	28
215	68	4	39	41	26	44	27
216	68	23	39	39	25	44	28
217	68	42	39	40	25	44	28
218	69	1	40	41	25	45	27
219	69	20	40	41	25	46	27
220	69	39	40	41	25	45	28
221	69	58	40	41	25	45	28
222	70	17	40	42	24	46	28
223	70	36	40	41	25	45	28
224	70	55	39	43	25	45	28
225	71	14	40	43	25	46	28
226	71	33	41	42	25	46	28
227	71	52	40	43	25	46	28
228	72	11	40	43	25	46	28
229	72	30	40	44	25	46	28
230	72	49	39	44	25	46	28
231	73	8	40	43	26	45	28
232	73	27	40	42	25	45	28
233	73	46	39	44	24	46	28
234	74	5	39	44	25	45	27
235	74	24	39	44	25	46	27
236	74	44	39	44	25	45	28
237	75	3	39	43	25	46	28
238	75	22	40	43	25	45	27
239	75	41	39	44	25	45	28
240	76	0	39	44	25	45	28
241	76	19	39	44	25	45	28
242	76	38	40	44	25	45	28
243	76	57	39	42	25	45	27
244	77	16	40	43	25	46	28
245	77	35	40	44	25	45	27
246	77	54	39	44	25	45	28

6-06 ENG.2 FUEL CNTRL OTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
30	24	46	27	26	21	22	22	25
29	24	44	27	26	21	22	22	25
28	24	45	27	26	22	21	22	24
29	24	45	27	27	21	22	22	23
30	24	44	27	26	21	23	22	24
33	24	45	27	27	21	24	22	24
34	24	44	27	27	22	24	22	25
35	24	44	27	27	22	25	23	25
36	24	44	27	26	22	25	23	25
36	24	44	27	27	22	25	22	24
38	25	44	28	27	22	25	24	26
36	25	44	28	27	22	25	23	25
36	25	44	28	27	22	27	22	24
39	25	44	28	27	22	26	22	23
38	25	44	28	27	22	27	21	22
39	25	44	28	27	22	26	21	22
38	25	45	28	27	22	27	19	18
39	25	44	28	27	22	27	29	29
41	26	44	27	27	22	28	26	27
39	25	44	28	27	22	27	23	25
40	25	44	28	27	23	28	22	23
41	25	45	27	27	23	28	21	22
41	25	46	27	27	22	28	20	22
41	25	45	28	27	23	28	20	22
41	25	45	28	27	23	28	19	22
42	24	46	28	27	23	29	19	20
41	25	45	28	26	24	29	19	21
43	25	45	28	25	23	28	18	19
43	25	46	28	27	24	28	17	18
42	25	46	28	27	24	29	17	19
43	25	46	28	27	24	29	18	19
43	25	46	28	27	24	29	19	18
44	25	46	28	27	25	29	17	18
44	25	46	28	27	24	29	19	19
43	26	45	28	27	25	29	19	18
42	25	45	28	26	25	29	18	18
44	24	46	28	27	24	29	18	18
44	25	45	27	26	25	29	17	17
44	25	46	27	26	25	29	18	18
44	25	45	28	26	25	29	18	18
43	25	46	28	26	25	29	17	18
43	25	45	27	27	25	29	17	17
44	25	45	28	26	25	29	17	17
44	25	45	28	26	25	29	18	18
44	25	45	28	26	26	28	18	17
44	25	45	28	26	26	29	17	18
42	25	45	27	26	26	29	18	17
43	25	46	28	25	26	29	17	17
44	25	45	27	26	26	30	19	19
44	25	45	28	26	25	29	20	19

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
247	78	13	40	45	25	45	28
248	78	32	39	44	25	45	27
249	78	51	38	41	25	45	28
250	79	10	37	40	25	44	28
251	79	29	36	40	25	45	27
252	79	48	36	38	25	45	27
253	80	7	37	41	25	44	27
254	80	26	38	41	25	44	27
255	80	45	39	42	26	45	27
256	81	4	39	43	26	45	27
257	81	23	38	42	26	45	27
258	81	42	37	40	24	45	27
259	82	1	37	39	25	45	27
260	82	20	36	40	25	45	28
261	82	39	37	38	25	45	27
262	82	58	36	39	25	45	27
263	83	17	36	38	25	44	27
264	83	36	36	39	25	45	27
265	83	55	36	38	24	44	28
266	84	14	36	38	25	45	27
267	84	33	36	39	25	45	27
268	84	52	36	39	25	45	28
269	85	11	36	38	25	45	28
270	85	31	36	39	25	45	28
271	85	50	36	38	25	45	28
272	86	9	36	39	26	45	28
273	86	28	37	38	25	45	28
274	86	47	36	38	24	46	28
275	87	6	36	39	25	46	28
276	87	25	36	40	25	46	28
277	87	44	36	39	25	46	28
278	88	3	36	38	25	46	28
279	88	22	35	37	25	46	28
280	88	41	35	36	24	46	28
281	89	0	36	39	25	46	28
282	89	19	37	41	26	46	28
283	89	38	38	41	26	47	28
284	89	57	40	41	27	48	28
285	90	16	40	42	27	48	28
286	90	35	38	39	25	47	28
287	90	55	36	37	25	47	29
288	91	14	36	37	24	47	29
289	91	33	36	38	25	46	29
290	91	52	35	37	25	46	29
291	92	11	36	37	26	46	29
292	92	30	35	37	25	47	29
293	92	49	35	38	25	48	29
294	93	8	37	39	26	47	29
295	93	27	39	41	27	47	29
296	93	46	39	42	27	48	29

6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
45	25	45	28	26	27	29	18	19
44	25	45	27	26	27	28	17	18
41	25	45	28	26	27	28	18	17
40	25	44	28	26	28	28	18	17
40	25	45	27	26	27	28	18	18
38	25	45	27	25	27	28	18	18
41	25	44	27	27	27	29	18	18
41	25	44	27	26	27	30	19	19
42	26	45	27	26	27	31	22	21
43	26	45	27	26	27	31	23	22
42	26	45	27	26	27	30	22	20
40	24	45	27	26	27	29	20	19
39	25	45	27	26	27	29	19	19
40	25	45	28	26	28	29	19	19
38	25	45	27	26	28	29	19	19
39	25	45	27	26	28	29	19	19
38	25	44	27	27	28	30	19	19
39	25	45	27	26	28	31	19	19
38	24	44	28	27	28	29	20	20
38	25	45	27	27	28	31	20	19
39	25	45	27	27	28	30	20	20
39	25	45	28	27	28	31	21	20
38	25	45	28	27	28	31	21	20
39	25	45	28	27	29	31	21	21
38	25	45	28	27	28	31	21	20
39	26	45	28	27	29	32	21	20
38	25	45	28	27	29	31	21	20
38	24	46	28	27	29	32	21	20
39	25	46	28	27	29	32	21	21
40	25	46	28	27	29	31	21	21
39	25	46	28	28	29	32	21	20
38	25	46	28	27	29	32	21	21
37	25	46	28	27	29	32	22	22
36	24	46	28	28	29	32	22	22
39	25	46	28	27	29	32	22	22
41	26	46	28	28	29	33	24	24
41	26	47	28	27	29	34	25	25
41	27	48	28	28	29	34	26	25
42	27	48	28	28	29	34	25	25
39	25	47	28	28	29	32	22	22
37	25	47	29	28	31	31	22	22
37	24	47	29	28	30	32	22	21
38	25	46	29	28	31	32	22	22
37	25	46	29	28	31	32	22	22
37	26	46	29	28	31	33	22	22
37	25	47	29	26	30	33	22	22
38	25	46	29	29	31	32	22	22
39	26	47	29	29	31	34	23	22
41	27	47	29	28	30	34	23	22
42	27	48	29	29	30	34	23	24

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
297	94	5	39	42	26	48	29
298	94	24	39	43	27	49	29
299	94	43	39	43	26	48	29
300	95	2	37	39	25	48	29
301	95	22	36	38	25	48	29
302	95	41	35	37	25	48	29
303	96	0	36	36	26	48	29
304	96	19	36	37	25	48	30
305	96	38	36	36	25	48	30
306	96	57	36	37	25	48	30
307	97	16	38	39	27	48	30
308	97	35	38	40	27	49	29
309	97	54	39	41	27	49	29
310	98	13	40	41	27	49	29
311	98	32	41	42	27	50	30
312	98	52	41	42	27	50	29
313	99	11	42	43	27	51	30
314	99	30	41	43	27	50	30
315	99	49	42	43	28	50	30
316	100	8	42	44	27	51	30
317	100	27	42	44	27	51	30
318	100	46	41	42	26	51	30
319	101	5	38	38	25	50	30
320	101	24	38	38	25	50	30
321	101	43	37	37	25	49	31
322	102	2	36	38	26	49	31
323	102	21	36	38	26	49	31
324	102	40	36	36	26	49	30
325	102	59	38	39	27	49	31
326	103	19	39	42	27	50	31
327	103	38	40	42	27	51	31
328	103	57	40	43	27	50	31
329	104	16	41	44	27	51	31
330	104	35	41	43	27	51	31
331	104	54	41	45	27	51	31
332	105	13	42	44	27	51	31
333	105	32	42	44	27	51	31
334	105	51	42	45	27	51	31
335	106	10	42	45	27	51	31
336	106	30	42	46	27	51	31
337	106	49	43	46	26	52	31
338	107	8	43	45	27	51	31
339	107	27	42	45	27	52	31
340	107	46	43	47	27	51	31
341	108	5	43	46	27	51	31
342	108	24	44	46	27	52	31
343	108	43	43	46	27	51	31
344	109	2	43	46	27	52	32
345	109	39	43	47	26	51	31
346	110	26	43	46	26	51	

6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
42	26	48	29	28	30	33	22	22
43	27	49	29	29	31	34	22	22
43	26	48	29	29	31	33	23	22
39	25	48	29	29	32	33	22	22
38	25	48	29	29	32	32	22	22
37	25	48	29	29	32	32	22	22
36	26	48	29	29	32	33	22	22
37	25	48	30	29	32	34	23	23
36	25	48	30	29	32	33	24	23
37	25	48	30	30	32	34	24	23
39	27	48	30	29	32	35	25	25
40	27	49	29	29	32	36	24	25
41	27	49	29	29	32	35	24	23
41	27	49	29	29	32	35	24	24
42	27	50	30	29	32	34	24	24
42	27	50	29	29	32	34	23	25
43	27	51	30	29	32	34	23	23
43	27	50	30	29	32	34	24	24
43	28	50	30	29	33	34	24	23
44	27	51	30	30	33	34	23	23
44	27	51	30	30	33	34	23	23
42	26	51	30	29	33	33	22	22
38	25	50	30	30	34	33	22	22
38	25	50	30	30	34	32	22	22
37	25	49	31	29	34	34	22	23
38	26	49	31	30	34	34	22	22
38	26	49	31	30	34	33	23	23
36	26	49	30	30	34	34	24	23
39	27	49	31	30	34	35	24	24
42	27	50	31	30	34	35	26	26
42	27	51	31	30	34	36	27	26
43	27	50	31	30	34	36	28	27
44	27	51	31	30	34	36	28	27
43	27	51	31	30	34	35	28	27
45	27	51	31	30	34	35	28	27
44	27	51	31	31	34	35	29	27
44	27	51	31	31	34	36	28	28
45	27	51	31	31	34	36	29	28
45	27	51	31	31	34	36	28	28
46	27	51	31	31	35	35	28	27
46	28	52	31	31	35	35	28	27
45	27	51	31	31	35	35	28	27
45	27	52	31	31	35	36	28	28
47	27	51	31	31	35	35	27	28
46	27	51	31	31	35	36	26	28
46	27	52	31	31	35	35	26	28
46	27	51	31	31	35	35	26	28
46	27	52	32	31	35	34	26	27
47	28	51	31	31	35	34	24	25
46	28	51	31	31	35	33	22	23

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
347	110	45	43	47	27	51	31
348	111	4	44	46	28	51	31
349	111	23	44	46	28	52	31
350	111	42	45	47	28	55	31
351	112	2	46	46	29	58	34
352	112	21	46	47	29	60	34
353	112	40	47	47	29	62	35
354	112	59	48	46	29	65	35
355	113	18	49	46	30	67	36
356	113	37	49	46	30	69	36
357	*	*	*	*	*	*	*

6-06 ENG.2 FUEL ONTRL TLET TEMP EG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
47	27	51	31	31	35	35	23	23
46	28	51	31	31	35	36	25	27
46	28	52	31	31	35	36	27	28
47	28	55	31	32	35	37	30	31
46	29	58	34	33	35	35	34	33
47	29	60	34	35	35	34	39	34
47	29	62	35	34	35	34	42	35
46	29	65	35	35	35	33	44	37
46	30	67	36	35	35	33	47	38
46	30	69	36	35	36	33	48	39
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
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RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
1	0	17	23	22	22	22	22
2	0	36	22	22	22	22	22
3	0	55	23	22	22	22	22
4	1	14	22	22	22	22	22
5	18	13	22	22	22	22	22
6	1	52	22	22	22	22	22
7	2	11	23	23	22	22	22
8	2	30	23	22	22	22	22
9	2	49	23	22	22	22	22
10	3	8	22	22	22	22	22
11	3	27	22	22	22	22	22
12	20	26	22	22	22	22	22
13	20	45	23	22	22	22	22
14	4	24	22	22	22	22	22
15	21	23	22	22	22	22	22
16	21	42	23	22	22	22	22
17	22	1	22	22	22	22	22
18	5	40	22	22	22	22	22
19	5	59	23	22	22	22	22
20	22	58	23	22	22	22	22
21	6	37	23	22	22	22	22
22	6	56	23	22	22	22	22
23	7	15	23	22	22	22	22
24	24	14	23	22	22	22	22
25	24	33	23	22	22	22	22
26	8	12	22	22	22	22	22
27	25	11	23	22	22	22	22
28	8	50	22	22	22	22	22
29	25	49	23	22	22	22	22
30	9	28	23	22	22	22	22
31	26	27	22	22	22	22	22
32	26	46	22	22	22	22	22
33	27	5	23	22	22	22	22
34	27	23	22	22	22	22	22
35	27	44	23	22	22	22	22
36	28	3	23	22	22	22	22
37	28	22	23	22	22	22	22
38	28	41	23	22	22	21	22
39	29	0	22	22	22	22	22
40	29	19	22	22	21	21	21
41	29	38	22	22	21	21	22
42	29	57	23	22	22	21	22
43	13	36	22	22	22	21	21
44	13	55	22	22	21	21	21
45	30	54	22	21	21	21	21

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
22	22	22	22	22	23	22	25	24
22	22	22	22	22	24	22	25	25
22	22	22	22	22	24	22	25	25
22	22	22	22	22	24	22	25	25
22	22	22	22	22	23	22	25	23
22	22	22	22	22	23	22	25	24
23	22	22	22	22	24	22	25	25
22	22	22	22	22	24	22	25	25
22	22	22	22	22	24	22	25	25
22	22	22	22	22	24	22	25	25
22	22	22	22	22	24	22	26	25
22	22	22	22	22	24	22	26	25
22	22	22	22	22	24	22	25	25
22	22	22	22	22	24	22	25	25
22	22	22	22	22	24	22	26	25
22	22	22	22	22	24	23	26	26
22	22	22	22	22	24	22	26	25
22	22	22	22	22	25	22	26	26
22	22	22	22	22	24	23	26	26
22	22	22	22	22	25	23	26	26
22	22	22	22	22	24	23	26	26
22	22	22	22	22	24	23	26	26
22	22	22	22	22	25	23	26	26
22	22	22	22	22	25	22	26	25
22	22	22	22	22	25	22	25	26
22	22	22	22	22	24	22	25	25
22	22	22	22	22	23	22	25	24
22	22	22	22	22	23	22	24	23
22	22	22	22	22	24	22	25	25
22	22	22	22	22	24	22	25	25
22	22	22	22	22	25	22	26	25
22	22	22	22	22	24	22	25	25
22	22	22	22	22	23	21	25	24
22	22	22	22	22	22	21	25	24
22	22	22	22	22	24	21	25	24
22	22	22	22	22	24	21	25	24
22	22	22	22	22	24	21	25	25
22	22	21	22	22	24	21	25	24
22	22	22	22	22	22	21	24	22
22	21	21	21	22	21	20	22	21
22	21	21	22	22	21	20	22	21
22	22	21	22	22	23	22	23	22
22	22	21	21	22	21	21	23	21
22	21	21	[illegible]	21	20	20	21	21
21	21	21	[illegible]	21	19	19	20	20

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
46	31	13	22	21	21	21	21
47	31	32	22	21	21	20	21
48	15	11	22	21	21	20	21
49	32	10	22	21	21	21	21
50	15	49	22	21	21	21	21
51	32	48	22	21	20	20	21
52	33	7	22	21	21	20	21
53	16	26	22	21	20	20	21
54	17	5	22	21	20	20	21
55	17	24	22	21	20	20	21
56	17	43	21	21	20	20	21
57	18	2	22	21	20	20	20
58	18	21	22	21	20	20	20
59	18	40	22	21	20	20	20
60	18	59	22	21	21	20	21
61	19	18	22	21	20	20	20
62	19	37	21	21	20	19	20
63	19	56	21	21	19	20	20
64	20	15	21	20	19	19	20
65	20	34	21	21	19	19	20
66	20	53	21	21	20	20	20
67	21	12	21	20	19	19	19
68	21	31	21	20	19	19	19
69	21	50	21	20	19	19	19
70	22	9	21	20	19	19	19
71	22	28	21	20	19	19	20
72	22	47	21	20	20	19	19
73	23	6	21	20	19	19	20
74	23	25	21	20	20	19	19
75	23	44	21	20	19	19	20
76	24	3	21	20	20	19	20
77	24	22	19	21	18	21	20
78	24	41	20	20	20	19	19
79	25	0	21	19	21	20	19
80	25	19	22	20	20	21	19
81	25	38	21	19	21	21	19
82	25	57	22	19	21	21	20
83	26	16	22	21	20	21	21
84	26	35	22	20	20	21	19
85	26	54	21	20	21	20	20
86	27	13	20	22	21	20	21
87	27	32	22	21	20	22	21
88	27	51	22	22	21	20	21
89	28	10	21	22	21	20	21
90	28	48	22	21	21	21	21
92	29	7	22	21	21	21	21
93	29	26	22	21	21	21	22
94	29	45	22	21	22	22	21
95	30	4	22	22	21	22	21
96	30	23	22	22	20	22	21

6-	6-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
N	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
N	INLET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
L	LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
U	SURF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
6.	2.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
E	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
2	21	21	21	21	21	21	20	22	22
	21	21	20	21	21	23	20	24	22
	21	21	20	21	21	24	20	25	23
	21	21	21	21	21	25	21	25	24
	21	21	21	21	21	24	20	25	25
	21	20	20	21	21	24	20	25	25
	21	21	20	21	20	24	20	25	25
	21	20	20	21	21	24	20	25	23
	21	20	20	21	21	23	19	25	22
	21	20	20	21	21	24	19	25	24
	21	20	20	21	21	24	19	25	24
	21	20	20	20	21	24	20	25	25
	21	20	20	20	21	22	19	25	22
	21	20	20	20	21	22	18	24	21
	21	21	20	21	21	22	19	24	21
	21	20	20	20	21	20	19	21	19
	21	20	19	20	20	20	18	20	18
	21	19	20	20	20	20	18	21	19
	20	19	19	20	20	22	19	22	21
	21	19	19	20	20	22	19	24	21
	21	20	20	20	20	22	19	23	20
	20	19	19	19	20	21	19	22	19
	20	19	19	19	21	22	19	22	21
	20	19	19	19	20	22	19	23	22
	20	19	19	19	20	23	20	24	22
	20	19	19	20	20	22	19	24	21
	20	20	19	19	20	21	19	23	20
	20	.9	19	20	20	21	19	22	20
	20	20	19	19	20	20	19	22	20
	20	19	19	20	20	20	19	22	20
	20	20	19	20	20	21	19	22	20
	21	18	21	20	19	20	19	20	19
	20	20	19	19	20	19	19	20	19
	19	21	20	19	20	21	19	20	19
	20	20	21	19	20	21	20	22	20
	19	21	21	19	20	22	20	22	22
	19	21	21	20	20	24	20	25	23
	21	20	21	21	20	24	19	25	24
	20	20	21	19	21	24	19	25	25
	20	21	20	20	20	24	19	26	24
	22	21	20	21	21	25	19	25	25
	21	20	22	21	20	25	21	26	25
	22	21	20	21	21	25	21	26	25
	22	21	20	21	20	25	22	25	25
	21	21	21	21	21	25	21	25	25
	21	21	21	21	21	24	21	25	23
	21	21	21	22	21	23	22	23	22
	21	22	22	21	21	23	21	23	22
	22	21	22	21	21	24	21	24	22
	22	20	22	21	21	24	22	24	22

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
97	30	42	22	22	21	21	22
98	31	1	22	21	22	21	21
99	31	20	22	22	22	21	22
100	31	39	22	21	22	22	22
101	31	58	22	22	22	23	21
102	32	17	22	22	22	21	22
103	32	36	22	21	22	23	21
104	32	55	22	22	22	23	21
105	33	14	22	21	22	23	21
106	33	33	22	22	23	22	22
107	33	52	22	22	22	23	22
108	34	11	22	22	22	22	22
109	34	30	22	22	22	22	22
110	34	49	22	22	23	23	22
111	35	8	22	23	23	24	23
112	35	27	22	22	24	22	23
113	35	46	23	23	24	23	23
114	36	5	22	22	24	23	23
115	36	24	22	23	24	24	23
116	36	43	23	22	25	23	23
117	37	2	23	22	24	24	23
118	37	21	23	22	24	25	23
119	37	40	23	22	24	25	24
120	37	59	22	23	24	23	24
121	38	18	22	23	24	23	24
122	38	38	22	23	24	23	24
123	38	57	22	23	24	24	24
124	39	16	23	23	24	25	23
125	39	35	22	24	24	24	24
126	39	54	22	24	24	25	24
127	40	13	24	23	24	24	23
128	40	32	24	24	24	25	24
129	40	51	23	23	24	24	24
130	41	10	24	24	24	24	24
131	41	29	24	24	24	25	24
132	41	48	24	24	24	25	24
133	42	3	24	24	24	24	24
134	42	25	23	24	24	25	23
135	42	44	23	23	24	24	22
136	43	3	23	22	24	24	22
137	43	22	24	22	24	24	22
138	43	41	24	23	23	23	22
139	44	0	23	21	22	21	20
140	44	19	24	21	21	19	19
141	44	38	23	21	21	19	19
142	44	57	23	21	21	19	19
143	45	16	24	20	22	21	19
144	45	35	24	21	21	20	20
145	45	54	25	20	22	20	20
146	46	13	24	21	21	20	20

6-16 ENG.1 INLET LIP URF. 2.45 G.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
22	21	21	22	21	22	22	24	21
21	22	21	21	21	23	21	22	20
22	22	21	22	21	23	22	22	19
21	22	22	22	21	24	22	23	19
22	22	23	21	22	24	22	23	19
22	22	21	22	22	23	21	22	19
21	22	23	21	22	24	22	23	19
22	22	23	21	22	24	22	22	21
21	22	23	21	21	24	22	22	19
22	23	22	22	21	24	22	23	20
22	22	23	22	22	24	22	24	21
22	22	22	22	21	24	22	24	22
22	22	22	22	22	25	22	24	22
22	23	23	22	22	25	22	25	24
23	23	24	23	22	26	23	25	25
22	24	22	23	22	26	22	25	25
23	24	23	23	22	26	23	26	25
22	24	23	23	23	26	23	25	25
23	24	24	23	23	26	24	26	25
22	25	23	23	23	26	24	26	26
22	24	24	23	23	27	24	27	26
23	24	25	23	23	27	23	27	26
22	24	25	24	23	27	22	27	26
23	24	23	24	23	27	21	26	26
23	24	23	24	23	27	21	26	26
23	24	23	24	23	27	21	26	26
23	24	24	24	24	27	21	27	26
23	24	25	23	24	27	22	27	27
24	24	24	24	24	27	22	27	26
24	24	25	24	24	28	22	27	26
23	24	24	23	24	27	22	27	27
24	24	25	24	24	27	22	27	26
23	24	24	24	24	27	23	27	27
24	24	24	24	24	27	22	27	24
24	24	25	24	23	26	22	27	24
24	24	25	24	24	26	22	26	26
24	24	24	24	24	27	22	27	25
24	24	25	23	24	27	21	27	26
23	24	24	22	22	25	21	31	24
22	24	24	22	20	27	21	27	18
22	24	24	22	20	28	21	28	17
23	23	23	22	20	29	21	33	17
21	22	21	20	19	31	21	33	20
21	21	19	19	18	29	21	28	19
21	21	19	19	18	27	20	70	20
21	21	19	19	18	28	20	102	22
20	22	21	19	19	29	20	100	22
21	21	20	20	19	30	21	95	24
20	22	20	20	19	27	21	86	22
21	21	20		19	24	21	72	20

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-1 ENG. INLE LI SURI 5.(DEG.
147	46	32	24	22	21	21	2
148	46	51	24	22	20	21	2
149	47	10	24	21	22	21	2
150	47	29	24	21	22	21	2
151	47	48	24	21	21	21	2
152	48	7	24	22	21	22	2
153	48	26	24	21	22	21	2
154	48	45	24	22	22	22	2
155	49	4	24	22	21	22	2
156	49	23	23	22	21	22	2
157	49	42	25	22	22	22	2
158	50	1	26	22	24	22	2
159	50	20	27	23	24	23	2
160	50	39	28	24	24	24	2
161	50	58	28	25	25	24	2
162	51	17	28	26	25	25	2
163	51	36	29	25	26	25	2
164	51	55	30	26	27	25	2
165	52	14	30	28	27	27	2
166	52	33	31	28	27	26	2
167	52	52	31	27	28	26	2
168	53	11	31	28	28	27	2
169	53	30	32	29	29	28	2
170	53	49	32	29	29	27	2
171	54	8	32	29	29	27	2
172	54	27	31	28	29	28	2
173	54	46	31	28	29	27	2
174	55	5	29	28	28	27	2
175	55	24	30	28	28	27	2
176	55	43	29	28	28	27	2
177	56	2	30	28	28	27	2
178	56	21	30	28	28	27	2
179	56	40	30	28	28	28	2
180	56	59	31	28	29	27	2
181	57	18	31	29	29	27	2
182	57	37	31	28	28	27	2
183	57	56	31	29	29	28	2
184	58	15	31	30	29	28	2
185	58	34	31	28	29	27	2
186	58	53	30	29	28	28	2
187	59	12	30	28	29	28	2
188	59	31	29	27	28	27	2
189	59	50	28	26	26	25	2
190	60	9	27	26	26	24	2
191	60	28	26	24	24	22	2
192	60	47	26	23	24	22	1
193	61	6	25	23	24	22	2
194	61	25	24	23	23	22	2
195	61	44	22	21	22	21	1
196	62	3	22	22	22	21	2

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
22	21	21	21	19	44	23	70	40
22	20	21	21	19	37	22	82	36
21	22	21	21	20	33	21	83	30
21	22	21	21	19	31	21	83	27
21	21	21	21	20	29	21	78	25
22	21	22	21	20	34	22	76	32
21	22	21	22	21	32	22	73	27
22	22	22	21	19	31	21	71	23
22	21	22	21	21	27	21	63	21
22	21	22	22	20	33	21	71	23
22	22	22	22	21	50	24	70	37
22	24	22	22	22	54	25	68	40
23	24	23	22	22	55	25	70	41
24	24	24	24	22	56	26	71	41
25	25	24	23	23	55	26	71	40
26	25	25	24	22	55	27	70	40
25	26	25	24	23	55	26	68	40
26	27	25	24	24	55	26	69	39
26	27	27	24	25	55	28	66	41
28	27	26	25	24	54	27	66	39
27	28	26	25	24	54	26	68	38
28	28	27	25	24	53	27	64	39
29	29	28	26	25	54	28	64	40
29	29	27	26	25	51	25	63	35
29	29	27	26	25	50	23	63	32
28	29	28	26	24	44	22	54	29
28	29	27	26	24	42	21	52	28
28	28	27	25	24	42	21	53	28
28	28	27	25	23	42	21	54	28
28	28	27	25	24	42	20	56	27
28	28	27	25	24	47	23	59	30
28	28	27	26	24	49	25	60	36
28	28	28	26	25	50	25	62	36
28	29	27	25	24	48	24	61	34
29	29	27	26	25	49	24	61	34
28	28	27	26	24	48	23	60	32
29	29	28	27	25	49	24	61	33
30	29	28	26	25	47	23	59	31
28	29	27	26	25	44	22	56	29
29	28	28	25	24	40	21	49	27
28	29	28	25	24	40	20	50	27
27	28	27	25	23	41	20	52	27
26	26	25	23	21	45	21	60	27
25	26	24	24	22	38	22	46	27
24	24	22	24	22	35	24	43	27
23	24	22	24	22	33	24	37	27
23	24	22	24	22	32	25	35	28
23	23	22	24	22	31	24	34	28
21	22	21	22	22	30	23	33	27
22	22	21	22	22	28	23	32	26

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-1 ENG. INLE LI SURF 5.0 DEG.
197	62	22	22	22	21	20	22
198	62	41	21	21	21	20	20
199	63	0	21	21	20	20	20
200	63	19	21	21	20	19	19
201	63	38	21	21	20	19	19
202	63	57	21	21	19	19	19
203	64	16	21	21	20	19	19
204	64	35	22	21	20	19	19
205	64	54	22	21	20	19	19
206	65	13	22	20	20	18	19
207	65	32	22	21	21	19	19
208	65	51	21	21	20	19	19
209	66	10	21	20	19	18	19
210	66	29	21	19	19	18	18
211	66	48	19	18	19	18	19
212	67	7	19	19	19	18	18
213	67	26	4	73	67	5	17
214	67	45	30	30	32	29	32
215	68	4	26	27	28	25	26
216	68	23	24	23	24	23	22
217	68	42	21	20	22	21	20
218	69	1	20	20	20	20	20
219	69	20	19	19	19	18	18
220	69	39	19	18	19	18	18
221	69	58	18	18	18	17	18
222	70	17	18	18	17	17	18
223	70	36	18	18	17	17	17
224	70	55	17	16	17	17	18
225	71	14	17	16	17	17	17
226	71	33	17	16	17	17	17
227	71	52	18	17	17	17	17
228	72	11	17	18	16	17	18
229	72	30	17	16	17	17	18
230	72	49	18	16	18	16	18
231	73	8	18	17	18	17	18
232	73	27	18	18	17	18	17
233	73	46	17	16	17	17	17
234	74	5	18	17	17	16	17
235	74	24	17	17	17	18	17
236	74	44	18	17	17	17	17
237	75	3	17	17	17	17	17
238	75	22	17	17	17	16	17
239	75	41	16	17	17	17	17
240	76	0	18	18	17	17	17
241	76	19	17	16	17	16	17
242	76	38	17	18	17	16	17
243	76	57	17	18	17	16	17
244	77	16	17	16	16	16	17
245	77	35	18	17	17	17	17
246	77	54	19	18	18	17	17

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-2 ENG. COMPR LOWE AF AIRTM DEG.
22	21	20	22	20	28	23	31	25
21	21	20	20	21	27	23	31	26
21	20	20	20	21	28	22	32	25
21	20	19	19	21	28	23	32	25
21	20	19	19	21	28	24	32	25
21	19	19	19	19	29	24	33	26
21	20	19	19	20	29	24	32	26
21	20	19	19	21	29	24	33	26
21	20	19	19	21	29	24	34	26
20	20	18	19	21	30	24	36	27
21	21	19	19	20	31	24	36	27
21	20	19	19	20	31	24	33	26
20	19	18	19	19	31	24	32	26
19	19	18	18	19	30	24	32	25
18	19	18	19	20	29	24	33	25
19	19	18	18	18	29	23	31	24
73	67	5	17	18	28	23	30	25
30	32	29	32	29	29	22	32	24
27	28	25	26	26	29	23	32	24
23	24	23	22	23	29	22	32	24
20	22	21	20	22	29	22	32	25
20	20	20	20	20	29	23	31	25
19	19	18	18	19	28	22	32	24
18	19	18	18	19	28	22	31	24
18	18	17	18	18	28	22	30	24
18	17	17	18	18	27	22	31	24
18	17	17	17	19	27	22	30	24
16	17	17	18	18	27	21	30	24
16	17	17	17	18	26	21	29	23
16	17	17	17	18	27	21	29	24
17	17	17	17	18	27	22	30	24
18	16	17	18	18	27	22	30	23
16	17	17	18	18	26	21	29	23
16	18	16	18	18	27	22	31	24
17	18	17	18	19	28	22	31	24
18	17	18	17	19	27	22	30	23
16	17	17	17	18	26	21	28	23
17	17	16	17	17	26	21	29	23
17	17	16	17	18	26	21	28	24
17	17	17	17	18	26	21	29	24
17	17	17	17	17	26	21	29	23
17	17	16	17	17	26	20	28	23
17	17	17	17	17	25	19	28	23
18	17	17	17	18	26	22	29	23
16	17	16	17	18	26	22	29	23
18	17	18	17	18	26	21	29	23
18	17	16	17	18	26	21	28	23
16	16	16	17	18	25	21	28	23
17	17	17	17	18	27	23	29	24
18	18	17	17	18	27	23	30	24

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
247	78	13	18	17	17	17	17
248	78	32	17	17	17	17	17
249	78	51	17	17	17	16	17
250	79	10	17	17	17	17	18
251	79	29	18	17	17	17	18
252	79	48	18	17	18	18	19
253	80	7	18	17	18	18	19
254	80	26	19	19	18	19	19
255	80	45	20	21	19	19	19
256	81	4	22	21	19	19	19
257	81	23	20	19	19	19	18
258	81	42	19	19	18	19	19
259	82	1	19	18	18	18	19
260	82	20	19	19	19	19	19
261	82	39	19	19	19	19	19
262	82	58	19	19	18	18	19
263	83	17	19	20	19	16	19
264	83	36	19	19	19	19	20
265	83	55	20	20	19	19	20
266	84	14	19	20	19	20	20
267	84	33	19	20	20	20	20
268	84	52	20	20	20	20	21
269	85	11	21	21	21	20	21
270	85	31	21	20	21	20	21
271	85	50	21	21	21	20	21
272	86	9	21	20	21	20	21
273	86	28	21	21	21	21	22
274	86	47	21	21	20	21	21
275	87	6	21	21	20	20	22
276	87	25	21	21	21	21	22
277	87	44	21	20	21	21	21
278	88	3	22	21	21	20	21
279	88	22	21	21	21	21	22
280	88	41	21	22	21	20	22
281	89	0	21	20	22	21	22
282	89	19	23	22	22	22	23
283	89	38	24	23	23	22	22
284	89	57	24	24	23	22	22
285	90	16	24	23	23	22	22
286	90	35	22	22	22	21	22
287	90	55	21	22	21	21	22
288	91	14	22	21	21	21	22
289	91	33	22	21	20	21	22
290	91	52	22	21	21	22	22
291	92	11	22	22	21	22	23
292	92	30	23	22	22	22	22
293	92	49	22	23	22	22	22
294	93	8	22	23	23	22	24
295	93	27	22	22	22	22	22
296	93	46	23	23	22	23	22

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.06 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.[illegible] DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
17	17	17	17	16	27	22	29	24
17	17	17	17	17	23	21	27	23
17	17	16	17	18	22	22	26	23
17	17	17	18	18	22	22	27	24
17	17	17	18	18	22	22	27	24
17	18	18	19	19	22	22	28	25
17	18	18	19	19	24	23	29	25
19	18	19	19	19	25	24	29	25
21	19	19	19	19	27	24	31	25
21	19	19	19	20	29	24	32	25
19	19	19	19	19	27	24	29	25
19	18	19	19	21	23	23	27	25
18	18	18	19	19	23	22	28	25
19	19	19	19	19	24	23	29	25
19	19	19	19	19	24	23	28	26
19	18	18	19	19	24	23	28	26
20	19	18	19	19	24	24	29	26
19	19	19	20	20	25	24	29	26
20	19	19	20	21	25	24	29	27
20	19	20	20	21	25	24	30	27
20	20	20	20	21	29	24	30	27
20	20	20	21	21	26	24	31	27
21	21	20	21	21	26	25	31	27
20	21	20	21	21	26	25	31	27
21	21	20	21	21	24	25	30	28
20	21	20	21	21	25	24	31	28
21	21	21	22	21	26	24	31	28
21	20	21	21	21	26	25	31	28
21	20	20	22	21	25	26	31	28
21	21	21	22	21	25	26	31	28
20	21	21	21	22	26	25	31	28
21	21	20	21	21	26	25	32	28
21	21	21	22	22	29	26	32	29
22	21	20	22	22	26	25	32	29
20	22	21	22	22	27	25	34	29
22	22	22	23	24	29	28	35	29
23	23	22	22	24	31	28	35	29
24	23	22	22	23	32	28	36	29
23	23	22	22	23	32	27	36	29
22	22	21	22	21	26	26	32	28
22	21	21	22	22	25	26	32	28
21	21	21	22	22	26	26	32	29
21	20	21	22	22	26	26	33	29
21	21	22	22	23	27	26	33	29
22	21	22	23	22	27	27	33	29
22	22	22	22	23	27	26	34	29
23	22	22	22	22	28	27	34	30
23	23	22	24	24	29	26	35	30
22	22	22	22	23	30	27	34	29
23	22	23	22	23	31	27	34	29

6-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
297	94	5	22	22	22	22	22
298	94	24	22	22	22	22	23
299	94	43	22	22	22	22	22
300	95	2	22	22	21	21	22
301	95	22	21	21	21	22	22
302	95	41	22	22	22	22	22
303	96	0	22	22	22	22	23
304	96	19	22	23	23	23	23
305	96	38	23	23	22	23	24
306	96	57	24	23	23	23	23
307	97	16	25	25	24	24	24
308	97	35	24	23	23	24	24
309	97	54	23	23	24	23	23
310	98	13	24	22	23	23	23
311	98	32	23	24	22	22	22
312	98	52	24	23	22	22	22
313	99	11	22	23	22	22	22
314	99	30	23	23	22	22	22
315	99	49	22	22	22	22	22
316	100	8	22	23	22	22	22
317	100	27	22	22	21	21	22
318	100	46	22	21	21	21	22
319	101	5	22	21	21	22	22
320	101	24	22	22	21	22	22
321	101	43	22	22	21	22	22
322	102	2	22	23	22	23	22
323	102	21	23	22	22	23	24
324	102	40	23	23	22	23	23
325	102	59	24	23	23	24	24
326	103	19	25	24	24	24	25
327	103	38	25	24	25	24	25
328	103	57	26	25	25	24	24
329	104	16	25	24	24	24	24
330	104	35	25	26	25	24	24
331	104	54	25	24	25	23	24
332	105	13	26	26	24	24	24
333	105	32	26	24	25	24	24
334	105	51	26	26	24	24	24
335	106	10	26	24	24	24	24
336	106	30	25	22	23	23	23
337	106	49	25	25	23	22	22
338	107	8	26	24	24	23	22
339	107	27	25	24	23	23	23
340	107	46	25	25	23	24	23
341	108	5	25	24	23	23	23
342	108	24	24	23	23	24	24
343	108	43	24	24	23	23	23
344	109	2	24	22	23	22	22
345	109	39	22	20	21	21	21
346	110	26	22	19	20	21	21

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
22	22	22	22	22	28	27	31	28
22	22	22	23	23	30	26	33	28
22	22	22	22	22	29	26	32	28
22	21	21	22	22	25	26	31	28
21	21	22	22	22	26	26	32	29
22	22	22	22	22	26	27	33	30
22	22	22	23	23	27	27	33	30
23	23	23	23	23	27	27	34	30
23	22	23	24	23	28	27	35	30
23	23	23	23	23	28	27	35	31
25	24	24	24	24	29	29	36	32
23	23	24	24	24	31	27	36	31
23	24	23	23	24	32	27	36	29
22	23	23	23	24	33	26	35	29
24	22	22	22	24	33	25	35	29
23	22	22	22	24	32	25	34	29
23	22	22	22	23	32	25	34	28
23	22	22	22	22	32	25	34	29
22	22	22	22	23	32	24	34	28
23	22	22	22	22	32	24	34	28
22	21	21	22	22	31	25	33	27
21	21	21	22	21	28	25	31	27
21	21	22	22	22	25	26	31	28
22	21	22	22	22	26	26	32	29
22	21	22	22	22	27	26	34	29
23	22	23	22	23	27	27	34	30
22	22	23	24	23	27	28	34	30
23	22	23	23	24	27	28	35	31
23	23	24	24	24	28	29	36	31
24	24	24	25	25	31	30	37	31
24	25	24	25	25	32	29	37	31
25	25	24	24	25	34	30	38	31
24	24	24	24	24	34	29	37	31
26	25	24	24	24	35	29	38	30
24	25	23	24	24	35	29	38	30
26	24	24	24	24	35	29	37	30
24	25	24	24	23	36	29	37	30
26	24	24	24	24	36	29	39	30
24	24	24	24	2'	36	29	38	30
22	23	23	23	23	36	29	38	29
25	23	22	22	24	36	29	37	29
24	24	23	22	24	35	28	38	29
24	23	23	23	24	35	28	38	29
25	23	24	23	23	36	28	38	29
24	23	23	23	24	35	28	38	29
23	23	24	24	23	33	29	37	29
24	23	23	23	23	34	28	37	29
22	23	22	22	22	34	27	36	28
20	21	21	21	22	33	26	34	28
19	20	21		21	32	24	33	27

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
347	110	45	22	21	20	22	21
348	111	4	23	22	22	22	23
349	111	23	26	24	23	22	24
350	111	42	30	27	25	25	2
351	112	2	35	29	29	27	27
352	112	21	39	32	32	29	28
353	112	40	42	36	35	31	29
354	112	59	45	38	37	33	30
355	113	18	47	40	38	34	31
356	113	37	48	41	39	35	32
357	*	*	*	*	*	*	*

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6- ENG. COMP LOW AI AIRT DEG.
21	20	22	21	21	32	25	44	2
22	22	22	23	23	34	28	52	3
24	23	22	24	24	80	32	109	3
27	25	25	25	27	112	38	136	6
29	29	27	27	27	123	39	146	9
32	32	29	28	28	122	40	140	9
36	35	31	29	29	123	40	139	10
38	37	33	30	31	122	40	138	9
40	38	34	31	32	122	41	136	9
41	39	35	32	32	120	40	137	8
*	*	*	*	*	*	*	*	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
1	0	17	22	22	23	23
2	0	36	22	22	22	23
3	0	55	22	22	23	22
4	1	14	22	22	23	22
5	18	13	22	22	23	22
6	1	52	22	22	22	22
7	2	11	24	24	25	25
8	2	30	24	25	26	27
9	2	49	22	22	22	22
10	3	8	22	22	23	22
11	3	27	22	22	22	23
12	20	26	22	22	22	22
13	20	45	22	22	22	22
14	4	24	22	22	22	22
15	21	23	22	22	22	22
16	21	42	22	22	22	22
17	22	1	22	22	22	22
18	5	40	22	22	22	22
19	5	59	22	22	22	23
20	22	58	22	22	22	23
21	6	37	22	22	22	22
22	6	56	22	22	22	22
23	7	15	22	22	22	23
24	24	14	22	22	22	22
25	24	33	22	22	22	22
26	8	12	22	22	22	22
27	25	11	22	22	22	22
28	8	50	22	21	22	22
29	25	49	22	22	22	22
30	9	28	22	22	22	22
31	26	27	22	22	22	22
32	26	46	22	22	22	22
33	27	5	22	22	22	22
34	27	23	22	22	22	22
35	27	44	22	22	22	22
36	28	3	22	22	22	22
37	28	22	22	22	22	22
38	28	41	22	22	22	22
39	29	0	22	22	22	22
40	29	19	22	22	22	22
41	29	38	22	22	22	22
42	29	57	28	26	26	27
43	13	36	22	22	22	22
44	13	55	22	22	22	22
45	30	54	22	22	23	22

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
46	31	13	22	22	22	22
47	31	32	22	22	22	22
48	15	11	22	21	22	22
49	32	10	22	22	22	22
50	15	49	22	22	22	22
51	32	48	22	21	22	22
52	33	7	22	22	22	22
53	16	46	22	22	22	22
54	17	5	22	22	22	22
55	17	24	22	22	22	22
56	17	43	22	22	22	22
57	18	2	22	22	22	22
58	18	21	22	22	22	22
59	18	40	22	22	22	22
60	18	59	22	22	22	22
61	19	18	22	22	22	22
62	19	37	22	22	22	22
63	19	56	22	21	22	22
64	20	15	22	22	22	22
65	20	34	22	22	22	22
66	20	53	22	21	22	22
67	21	12	22	22	22	22
68	21	31	22	21	22	22
69	21	50	22	21	22	22
70	22	9	22	22	22	22
71	22	28	22	22	22	22
72	22	47	22	22	22	22
73	23	6	22	22	22	22
74	23	25	22	22	22	22
75	23	44	22	22	22	22
76	24	3	22	22	22	22
77	24	22	22	21	22	22
78	24	41	22	21	22	22
79	25	0	22	21	22	22
80	25	19	22	22	22	22
81	25	38	22	22	22	22
82	25	57	22	22	22	22
83	26	16	22	22	22	22
84	26	35	22	22	22	22
85	26	54	22	22	22	22
86	27	13	22	22	22	22
87	27	32	22	22	22	22
88	27	51	21	22	21	22
89	28	10	22	22	22	21
90	28	48	22	21	23	22
92	29	7	22	22	22	22
93	29	26	21	22	22	22
94	29	45	21	22	22	22
95	30	4	22	22	23	22
96	30	23	22	22	22	22

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
97	30	42	22	21	22	22
98	31	1	22	22	22	22
99	31	20	22	22	22	22
100	31	39	22	22	22	22
101	31	58	22	22	22	22
102	32	17	22	21	22	22
103	32	36	22	22	22	22
104	32	55	22	22	22	22
105	33	14	33	22	22	22
106	33	33	37	22	22	22
107	33	52	38	23	22	21
108	34	11	38	24	22	22
109	34	30	39	24	22	22
110	34	49	30	24	22	22
111	35	8	38	25	22	22
112	35	27	38	25	29	22
113	35	46	39	24	42	22
114	36	5	38	25	44	23
115	36	24	39	24	45	23
116	36	43	38	25	45	24
117	37	2	38	25	44	24
118	37	21	38	25	45	24
119	37	40	38	25	45	25
120	37	59	38	25	44	25
121	38	18	37	25	44	25
122	38	38	37	24	44	25
123	38	57	36	26	44	25
124	39	16	36	26	44	26
125	39	35	37	26	43	26
126	39	54	36	25	44	26
127	40	13	36	26	43	25
128	40	32	36	25	42	26
129	40	51	36	26	42	26
130	41	10	35	25	42	27
131	41	29	35	25	41	26
132	41	48	35	25	42	26
133	42	3	35	27	41	26
134	42	25	35	26	40	26
135	42	44	47	25	40	26
136	43	3	55	26	41	26
137	43	22	55	28	40	27
138	43	41	56	29	40	26
139	44	0	55	31	40	26
140	44	19	54	33	39	26
141	44	38	54	35	39	26
142	44	57	55	35	38	26
143	45	16	54	36	38	26
144	45	35	54	36	37	26
145	45	54	53	36	43	27
146	46	13	53	37	58	26

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
147	46	32	53	36	60	28
148	46	51	53	36	61	29
149	47	10	52	37	61	32
150	47	29	52	37	60	34
151	47	48	51	36	60	36
152	48	7	51	38	59	37
153	48	26	51	37	59	37
154	48	45	50	37	59	38
155	49	4	49	36	58	37
156	49	23	50	36	57	36
157	49	42	50	36	57	37
158	50	1	50	37	56	37
159	50	20	50	37	56	37
160	50	39	49	37	55	37
161	50	58	50	36	55	37
162	51	17	50	37	55	37
163	51	36	49	37	54	37
164	51	55	49	37	53	37
165	52	14	49	38	53	37
166	52	33	49	36	53	37
167	52	52	49	36	54	36
168	53	11	49	37	52	37
169	53	30	49	37	52	36
170	53	49	48	37	51	36
171	54	8	48	37	51	36
172	54	27	48	36	52	36
173	54	46	48	36	51	36
174	55	5	48	36	51	35
175	55	24	46	36	51	35
176	55	43	46	36	49	36
177	56	2	46	36	49	36
178	56	21	47	36	49	36
179	56	40	46	36	49	35
180	56	59	46	36	48	35
181	57	18	46	36	48	35
182	57	37	45	36	48	35
183	57	56	45	36	48	34
184	58	15	45	36	47	34
185	58	34	45	35	46	35
186	58	53	45	35	47	34
187	59	12	44	36	46	35
188	59	31	44	36	47	34
189	59	50	52	36	46	34
190	60	9	60	37	46	34
191	60	28	60	38	46	34
192	60	47	61	39	45	34
193	61	6	61	41	45	34
194	61	25	59	44	45	34
195	61	44	58	44	44	34
196	62	3	58	46	44	34

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
197	62	22	57	47	44	34
198	62	41	56	49	44	34
199	63	0	55	50	42	34
200	63	19	55	51	48	33
201	63	38	55	52	59	33
202	63	57	54	53	61	35
203	64	16	54	54	61	37
204	64	35	54	55	60	39
205	64	54	53	56	59	41
206	65	13	52	57	58	43
207	65	32	53	58	57	45
208	65	51	52	59	58	47
209	66	10	52	59	57	49
210	66	29	52	60	56	51
211	66	48	51	59	55	52
212	67	7	51	59	55	53
213	67	26	51	60	54	54
214	67	45	51	60	54	55
215	68	4	50	60	54	55
216	68	23	50	59	52	57
217	68	42	49	61	53	58
218	69	1	50	60	52	59
219	69	20	49	59	52	59
220	69	39	50	60	52	59
221	69	58	49	60	52	60
222	70	17	49	60	51	61
223	70	36	48	61	51	61
224	70	55	48	60	51	62
225	71	14	49	60	50	62
226	71	33	48	60	50	62
227	71	52	48	61	50	63
228	72	11	48	59	50	63
229	72	30	48	60	50	63
230	72	49	48	59	49	64
231	73	8	47	60	49	64
232	73	27	48	60	49	63
233	73	46	46	59	49	64
234	74	5	47	59	48	64
235	74	24	46	59	49	65
236	74	44	45	59	49	65
237	75	3	46	59	49	64
238	75	22	46	59	48	64
239	75	41	46	59	49	64
240	76	0	45	59	48	64
241	76	19	46	60	48	64
242	76	38	45	59	48	64
243	76	57	45	59	48	64
244	77	16	45	59	48	64
245	77	35	45	59	48	65
246	77	54	44	60	48	65

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
247	78	13	45	60	48	64
248	78	32	44	59	47	64
249	78	51	44	59	46	62
250	79	10	45	59	45	62
251	79	29	45	59	45	61
252	79	48	44	59	44	62
253	80	7	44	61	45	64
254	80	26	44	61	45	64
255	80	45	44	61	46	65
256	81	4	45	62	46	66
257	81	23	43	61	46	66
258	81	42	43	61	45	65
259	82	1	44	62	45	65
260	82	20	43	61	43	64
261	82	39	43	61	43	64
262	82	58	43	62	42	63
263	83	17	42	62	43	63
264	83	36	43	62	44	65
265	83	55	43	62	43	64
266	84	14	43	62	44	65
267	84	33	43	62	42	65
268	84	52	43	63	44	66
269	85	11	43	63	43	66
270	85	31	44	63	44	66
271	85	50	42	63	43	65
272	86	9	43	64	44	65
273	86	28	43	64	44	66
274	86	47	44	64	43	66
275	87	6	43	64	44	67
276	87	25	43	64	43	66
277	87	44	43	64	43	66
278	88	3	43	65	43	66
279	88	22	43	64	43	66
280	88	41	43	64	42	66
281	89	0	43	65	43	68
282	89	19	44	66	44	69
283	89	38	44	66	44	69
284	89	57	44	66	45	69
285	90	16	44	66	45	69
286	90	35	44	65	44	67
287	90	55	44	65	42	65
288	91	14	43	65	43	66
289	91	33	43	65	42	66
290	91	52	42	65	44	66
291	92	11	43	66	44	66
292	92	30	43	65	43	65
293	92	49	43	66	42	65
294	93	8	44	66	44	68
295	93	27	44	67	44	68
296	93	46	43	67	44	68

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
297	94	5	44	67	44	66
298	94	24	44	68	45	68
299	94	43	44	66	44	66
300	95	2	43	65	42	65
301	95	22	43	64	43	65
302	95	41	43	65	43	65
303	96	0	44	66	44	66
304	96	19	43	66	43	65
305	96	38	44	66	44	66
306	96	57	44	66	43	67
307	97	16	45	67	44	69
308	97	35	44	67	45	70
309	97	54	44	67	45	69
310	98	13	44	68	45	69
311	98	32	45	67	45	69
312	98	52	44	67	45	69
313	99	11	44	66	45	69
314	99	30	45	66	45	69
315	99	49	45	66	46	68
316	100	8	45	65	46	68
317	100	27	45	65	46	70
318	100	46	44	64	46	68
319	101	5	45	64	44	67
320	101	24	44	63	44	66
321	101	43	43	64	44	66
322	102	2	45	64	45	66
323	102	21	45	64	44	66
324	102	40	44	65	44	67
325	102	59	44	66	45	69
326	103	19	44	67	45	69
327	103	38	45	67	45	70
328	103	57	45	68	46	70
329	104	16	45	67	46	70
330	104	35	45	68	46	70
331	104	54	45	68	46	70
332	105	13	45	67	46	70
333	105	32	45	66	46	70
334	105	51	45	67	47	69
335	106	10	45	67	47	69
336	106	30	45	66	47	70
337	106	49	45	66	47	71
338	107	8	45	66	48	70
339	107	27	45	66	48	70
340	107	46	45	66	48	70
341	108	5	45	66	48	70
342	108	24	45	65	48	70
343	108	43	45	65	48	71
344	109	2	45	65	48	71
345	109	39	45	65	48	70
346	110	26	45	64	48	69

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
347	110	45	45	64	48	70
348	111	4	46	65	48	71
349	111	23	47	64	49	70
350	111	42	47	65	49	71
351	112	2	48	65	49	69
352	112	21	48	64	50	69
353	112	40	49	64	50	68
354	112	59	49	64	50	67
355	113	18	49	64	50	67
356	113	37	50	63	50	65
357	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7- ENG LU PU INL O DEG
1	0	19	25	25	24	26	
2	17	18	25	24	25	24	
3	17	37	25	24	25	25	
4	1	16	25	25	25	25	
5	16	15	24	25	24	24	
6	16	34	24	25	24	25	
7	16	53	27	27	26	28	
8	2	32	25	25	24	24	
9	19	31	24	25	25	24	
10	3	10	25	24	26	24	
11	20	9	25	24	25	25	
12	20	28	25	24	24	25	
13	4	8	24	24	25	25	
14	4	27	26	24	25	25	
15	21	26	25	24	25	25	
16	21	45	25	25	26	25	
17	5	24	25	25	24	25	
18	5	43	25	25	26	25	
19	22	42	25	25	25	25	
20	6	21	25	25	25	25	
21	6	40	25	25	25	25	
22	6	59	25	25	25	25	
23	23	58	26	24	26	26	
24	7	37	26	25	25	25	
25	24	36	25	25	25	25	
26	24	55	25	25	24	25	
27	25	14	25	24	25	25	
28	8	53	25	26	25	25	
29	25	52	25	25	25	24	
30	9	31	25	25	25	25	
31	26	30	25	25	24	25	
32	26	49	25	24	25	25	
33	27	8	26	24	25	25	
34	10	47	26	25	25	25	
35	11	6	25	25	25	25	
36	28	5	26	24	25	25	
37	28	24	25	25	25	25	
38	12	3	26	25	25	25	
39	29	2	26	25	24	26	
40	29	21	25	25	25	25	
41	29	40	25	25	25	25	
42	13	19	26	26	26	27	
43	13	38	25	25	25	25	
44	13	57	26	25	25	25	
45	14	16	26	25	25	26	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
25	24	26	24	24	24	25	*	25
24	25	24	24	24	24	24	*	24
24	25	25	24	25	24	25	*	25
25	25	25	25	25	25	24	*	24
25	24	24	25	24	25	24	*	24
25	24	25	24	24	25	25	128	24
27	26	28	28	25	26	27	*	25
25	24	24	24	24	25	25	*	24
25	25	24	25	24	25	24	*	24
24	26	24	24	25	24	24	*	25
24	25	25	24	24	24	24	*	24
24	24	25	24	24	25	25	*	25
24	25	25	24	24	25	24	*	24
24	25	25	24	24	24	24	*	24
24	25	25	24	25	24	24	*	25
25	26	25	25	24	25	24	*	25
25	24	25	24	24	25	24	*	25
25	26	25	24	24	25	24	*	25
25	25	25	24	24	25	25	*	25
25	25	25	24	24	24	24	*	25
25	25	25	25	24	25	24	*	24
25	25	25	24	25	25	25	*	25
24	26	26	24	25	25	24	*	25
25	25	25	24	25	26	25	*	25
25	25	25	25	25	25	24	*	25
25	24	25	24	24	26	24	*	24
24	25	25	24	25	25	25	*	24
26	25	25	24	24	25	24	*	25
25	25	24	25	24	25	24	*	25
25	25	25	25	24	24	24	*	25
25	24	25	24	24	25	24	*	24
24	25	25	24	25	25	24	*	25
24	25	25	24	25	24	24	*	25
25	25	25	24	24	25	24	*	24
25	25	25	25	24	25	24	*	25
24	25	25	24	24	24	24	*	25
25	25	25	24	24	25	25	128	24
25	25	25	24	25	24	24	*	25
25	24	26	25	25	25	25	*	25
25	25	25	25	24	25	24	128	24
25	25	25	24	25	24	24	*	24
26	26	27	26	25	25	25	*	25
25	25	25	24	24	24	24	*	25
25	25	25		25	24	25	*	25

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
46	31	15	25	25	24	25	24
47	31	34	25	25	24	25	24
48	31	53	25	24	25	25	24
49	32	12	26	24	25	24	24
50	32	31	25	25	25	25	24
51	16	10	25	26	24	25	24
52	33	9	25	25	25	25	24
53	16	48	25	25	25	24	24
54	17	7	25	24	25	26	24
55	17	26	25	25	25	25	24
56	17	45	25	24	25	25	24
57	18	4	25	25	25	25	25
58	18	23	25	25	25	25	24
59	18	42	26	25	25	25	24
60	19	1	26	25	25	26	24
61	19	20	25	25	24	25	24
62	19	39	25	24	24	24	24
63	19	58	24	25	25	24	24
64	20	17	25	26	24	25	24
65	20	36	26	25	25	24	24
66	20	55	26	25	24	25	24
67	21	14	25	25	25	25	24
68	21	33	25	25	24	25	23
69	21	52	25	25	25	24	24
70	22	11	26	25	24	24	24
71	22	30	25	25	24	25	24
72	22	49	25	25	24	25	24
73	23	8	26	24	25	24	23
74	23	27	25	25	24	24	24
75	23	46	25	25	24	25	24
76	24	5	26	24	25	24	24
77	24	24	26	24	24	25	23
78	24	43	26	24	24	24	24
79	25	2	26	25	24	24	23
80	25	21	26	24	25	24	23
81	25	40	25	25	24	25	24
82	25	59	25	25	24	25	23
83	26	18	25	24	25	24	24
84	26	37	25	25	24	25	24
85	26	56	25	24	25	25	23
86	27	16	25	25	25	24	23
87	27	35	25	25	25	24	23
88	27	54	25	24	25	24	23
89	28	13	25	25	25	25	23
90	28	51	26	24	26	24	23
92	29	10	25	25	25	25	23
93	29	29	24	25	25	25	23
94	29	48	25	25	24	25	24
95	30	7	25	25	25	26	24
96	30	26	25	24	25	24	24

6	7-07	7-08	7-09	7-10	7-11	7-13	7-14	7-15
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
IT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
TR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
IN	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.3	STG.4
D	OUTBD	TEMP	OIL	TEMP	4.30	OIL	6.00	3.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
	24	25	24	24	25	24	*	25
	24	25	24	24	25	24	*	24
	25	25	24	25	24	24	*	25
	25	24	24	25	24	24	*	26
	25	25	24	24	25	25	*	25
	24	25	24	24	25	24	*	25
	25	25	24	24	25	24	*	24
	25	24	24	25	25	24	*	25
	25	26	24	24	24	24	*	25
	25	25	24	24	25	24	*	25
	25	25	24	25	24	24	*	25
	25	25	25	24	25	24	128	25
	25	25	24	24	25	24	128	24
	25	25	24	25	24	24	*	25
	25	26	24	25	24	27	*	25
	24	25	24	24	24	24	*	24
	24	24	24	24	24	24	*	25
	25	24	24	24	24	24	128	24
	24	25	24	24	24	24	*	25
	25	24	24	24	24	24	*	25
	24	25	24	24	24	24	*	24
	25	25	24	24	24	24	*	25
	24	25	23	24	25	24	*	24
	25	24	24	24	24	24	*	24
	24	24	24	24	24	24	*	25
	24	24	24	24	24	24	*	25
	24	25	24	24	24	24	*	24
	25	24	23	24	24	24	*	25
	24	24	24	24	24	24	*	25
	24	25	24	24	24	24	*	25
	25	24	24	25	24	24	*	25
	24	24	23	24	24	24	*	25
	24	24	24	24	24	23	*	24
	24	24	23	25	23	24	*	25
	25	24	23	24	24	24	*	24
	24	25	24	25	24	24	*	25
	24	25	23	25	25	24	*	25
	25	24	24	24	24	24	*	25
	24	24	24	24	25	24	*	25
	25	25	23	25	24	24	*	25
	25	24	23	24	25	24	*	24
	25	24	23	25	24	24	*	25
	25	24	23	25	24	24	*	25
	25	25	23	24	24	23	*	25
	26	24	23	25	25	24	*	25
	25	25	23	24	24	23	*	25
	25	25	23	24	24	24	*	25
	24	25	24	24	24	24	*	25
	25	26	24	24	24	24	*	25
	25	24	24	24	24	24	*	25

2

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
97	30	45	25	24	24	24	24
98	31	4	25	25	24	24	24
99	31	23	25	25	25	24	24
100	31	42	25	24	24	24	23
101	32	1	25	24	24	24	23
102	32	20	24	25	24	25	24
103	32	39	26	24	24	25	24
104	32	58	25	25	24	25	24
105	33	17	25	25	24	25	24
106	33	36	24	25	24	25	24
107	33	55	25	24	25	24	25
108	34	14	25	24	25	25	24
109	34	33	26	24	24	26	24
110	34	52	24	25	25	25	24
111	35	11	25	24	26	25	24
112	35	30	25	25	25	26	24
113	35	49	25	25	25	25	24
114	36	8	26	25	25	25	24
115	36	27	25	24	25	25	25
116	36	46	25	25	25	26	24
117	37	5	26	25	25	26	25
118	37	24	26	25	25	25	25
119	37	43	26	25	25	26	25
120	38	2	25	25	25	26	25
121	38	21	26	25	25	26	25
122	38	40	25	25	26	26	25
123	38	59	25	26	25	26	25
124	39	18	26	26	25	27	25
125	39	37	26	25	26	26	25
126	39	56	26	25	25	27	25
127	40	15	25	25	26	27	26
128	40	34	26	25	26	27	25
129	40	53	26	26	26	27	25
130	41	12	26	25	25	26	26
131	41	31	26	25	25	27	25
132	41	50	26	25	26	26	25
133	42	9	26	26	25	27	25
134	42	28	25	25	26	27	25
135	42	47	26	26	26	24	25
136	43	6	27	25	25	24	27
137	43	25	25	26	25	26	32
138	43	44	26	25	25	25	36
139	44	3	26	26	25	24	38
140	44	22	26	25	26	24	41
141	44	41	28	26	25	27	42
142	45	0	26	25	26	30	42
143	45	19	27	26	25	32	43
144	45	38	27	27	25	34	43
145	45	57	27	26	26	34	43
146	46	16	27	26	25	34	

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
24	24	24	24	25	24	24	31	24
25	24	24	24	24	24	24	*	24
25	25	24	24	25	24	24	*	25
24	24	24	23	25	24	24	*	25
24	24	24	23	25	24	24	*	25
25	24	25	24	24	24	24	*	24
24	24	25	24	24	24	24	*	24
25	24	25	24	24	24	25	*	25
25	24	25	24	25	24	27	*	25
25	24	25	24	24	25	27	*	26
24	25	24	25	25	24	27	*	25
24	25	25	24	26	24	28	*	25
24	24	26	24	25	24	26	*	25
25	25	25	24	25	24	26	*	26
24	26	25	24	25	25	26	*	26
25	25	26	24	25	25	26	*	25
25	25	25	24	26	26	26	*	25
25	25	25	24	25	25	26	*	25
24	25	25	25	25	25	26	*	26
25	25	26	24	25	25	26	128	25
25	25	26	25	26	25	26	*	26
25	25	25	25	25	25	26	*	25
25	25	26	25	26	25	26	*	26
25	25	26	25	25	25	26	*	25
25	25	26	25	24	26	25	128	25
25	26	26	25	25	26	26	*	26
26	25	26	25	25	26	27	*	26
26	25	27	25	25	26	26	*	25
25	26	26	25	26	26	26	*	26
25	25	27	25	26	26	26	*	26
25	26	27	26	26	26	26	128	25
25	26	27	25	26	26	27	*	26
26	26	27	25	25	27	26	*	26
25	25	26	26	25	26	25	*	26
25	25	27	25	26	26	26	*	25
25	26	26	25	25	25	26	*	26
26	25	27	25	26	26	26	*	25
25	26	27	25	25	26	27	*	25
26	26	24	25	27	25	31	*	29
25	25	24	27	30	26	35	*	34
26	25	26	32	30	28	39	*	39
25	25	25	36	32	28	42	*	41
26	25	24	38	32	29	46	128	43
25	26	24	41	34	29	48	*	43
26	25	27	42	34	29	48	*	38
25	26	30	42	34	29	46	*	36
26	25	32	43	34	30	48	*	35
27	25	34	43	33	29	47	*	35
26	26	34	43	34	29	46	*	35
26	25	34		33	29	45	*	34

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
147	46	35	29	26	28	34	41
148	46	54	28	26	29	34	40
149	47	13	29	27	28	35	40
150	47	32	28	28	26	35	40
151	47	51	28	27	26	35	39
152	48	10	29	28	27	34	39
153	48	29	29	28	27	35	39
154	48	48	29	28	27	34	39
155	49	7	28	27	26	33	39
156	49	26	29	28	27	34	39
157	49	45	29	28	29	34	38
158	50	4	30	29	30	33	38
159	50	23	30	29	30	33	38
160	50	42	31	29	30	34	38
161	51	1	30	29	30	34	38
162	51	20	30	30	31	34	38
163	51	37	30	29	30	34	38
164	51	57	31	30	30	35	38
165	52	13	31	30	31	36	37
166	52	36	32	30	31	35	38
167	52	55	32	29	31	34	38
168	53	14	32	31	31	36	38
169	53	33	32	31	32	36	38
170	53	52	32	30	31	36	38
171	54	11	32	30	31	35	38
172	54	30	32	31	30	36	38
173	54	48	32	31	30	35	38
174	55	7	31	31	30	36	38
175	55	26	32	31	30	36	38
176	55	45	31	31	30	35	37
177	56	4	32	31	31	35	38
178	56	23	32	31	32	35	37
179	56	42	32	31	32	35	38
180	57	1	32	32	31	36	38
181	57	20	32	32	31	35	38
182	57	39	32	32	31	35	38
183	57	58	33	31	32	36	37
184	58	17	32	32	31	36	37
185	58	36	32	32	31	35	37
186	58	55	32	32	31	36	38
187	59	14	32	32	31	37	37
188	59	33	32	32	30	34	36
189	59	52	32	32	31	27	41
190	60	11	33	32	30	26	44
191	60	30	33	32	31	27	46
192	60	49	33	32	31	25	47
193	61	8	34	32	32	26	48
194	61	27	33	32	31	26	48
195	61	46	33	33	31	26	49
196	62	5	33	33	[illegible]	26	49

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
26	28	34	41	32	29	44	*	34
26	29	34	40	32	29	44	*	34
27	28	35	40	32	29	43	128	33
28	26	35	40	32	29	43	*	33
27	26	35	39	32	28	42	*	33
28	27	34	39	33	29	42	*	34
28	27	35	39	32	29	42	*	34
28	27	34	39	32	28	41	*	34
27	26	33	39	32	27	40	*	33
28	27	34	39	31	28	40	*	33
28	29	34	38	32	29	40	*	34
29	30	33	38	32	29	39	*	35
29	30	33	38	32	29	39	*	34
29	30	34	38	32	29	39	*	35
29	30	34	38	32	30	39	*	34
30	31	34	38	32	30	39	31	34
29	30	34	38	32	30	38	*	36
30	30	35	38	32	30	39	*	36
30	31	36	37	32	31	39	*	36
30	31	35	38	32	30	38	*	36
29	31	34	38	32	31	38	*	36
31	31	36	38	32	32	39	*	36
31	32	36	38	32	32	39	*	37
30	31	36	38	32	32	38	*	38
30	31	35	38	32	32	38	*	38
31	30	36	38	32	32	38	*	37
31	30	35	38	32	31	39	*	37
31	30	36	38	32	32	38	*	37
31	30	36	38	32	32	39	*	37
31	30	35	37	32	31	37	*	37
31	31	35	38	32	32	37	*	37
31	32	35	37	32	32	37	*	38
31	32	35	38	33	32	37	*	38
32	31	36	38	32	32	37	128	37
32	31	35	38	32	32	37	*	37
32	31	35	38	32	32	37	*	37
31	32	36	37	32	32	37	*	38
32	31	36	37	32	32	37	*	38
32	31	35	37	33	32	37	*	38
32	31	36	38	32	33	37	*	38
32	31	37	37	32	32	37	*	38
32	30	34	36	32	32	37	*	37
32	31	27	41	32	32	49	128	35
32	30	26	44	34	32	53	*	39
32	31	27	46	36	32	55	*	40
32	31	25	47	36	32	58	*	42
32	32	26	48	38	33	59	44	43
32	31	26	48	38	34	61	39	44
33	31	26	49	36	34	66	57	62
33	32	26	49	37	36	69	66	70

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
197	62	24	34	32	31	25	51
198	62	43	35	32	30	27	52
199	63	2	36	32	30	27	53
200	63	21	37	33	32	25	55
201	63	40	38	34	31	26	55
202	64	0	38	34	31	26	58
203	64	19	39	34	31	26	58
204	64	38	41	34	32	27	60
205	64	57	40	35	32	25	61
206	65	16	42	35	33	26	61
207	65	35	42	35	32	26	61
208	65	54	42	36	33	26	61
209	66	13	43	35	33	26	61
210	66	32	43	36	33	24	61
211	66	50	43	36	33	24	60
212	67	10	43	36	33	23	61
213	67	27	43	36	32	24	60
214	67	48	44	36	34	25	60
215	68	7	44	37	33	25	60
216	68	26	43	36	33	24	59
217	68	45	44	37	33	24	60
218	69	4	44	37	33	24	60
219	69	23	44	38	33	24	59
220	69	42	45	37	34	24	60
221	70	1	45	37	33	23	59
222	70	20	44	38	34	23	60
223	70	39	45	38	34	24	59
224	70	58	46	38	34	24	59
225	71	17	46	38	34	23	59
226	71	36	45	39	34	23	60
227	71	55	46	39	34	24	60
228	72	14	46	39	34	23	59
229	72	33	45	39	34	24	60
230	72	52	45	39	34	24	60
231	73	11	47	39	35	24	60
232	73	30	46	39	34	24	60
233	73	49	46	40	34	23	60
234	74	8	46	39	33	24	59
235	74	27	46	39	34	22	60
236	74	46	46	40	34	24	60
237	75	5	46	39	35	23	60
238	75	24	46	40	34	23	60
239	75	43	47	40	34	24	60
240	76	2	47	39	34	24	59
241	76	21	47	39	35	23	59
242	76	40	47	40	35	24	59
243	76	59	47	40	34	23	60
244	77	18	47	39	35	24	60
245	77	37	47	40	35	24	60
246	77	56	47	40	34	24	

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
32	31	25	51	35	38	72	71	77
32	30	27	52	36	39	76	74	81
32	30	27	53	35	39	78	128	83
33	32	25	55	34	40	79	*	84
34	31	26	55	35	40	81	*	*
34	31	26	58	35	41	82	*	85
34	31	26	58	35	41	83	*	87
34	32	27	60	35	41	84	*	86
35	32	25	61	35	41	85	*	86
35	33	26	61	36	42	85	128	76
35	32	26	61	38	41	84	*	69
36	33	26	61	39	40	84	*	73
35	33	26	61	39	40	83	*	73
36	33	24	61	38	40	84	*	73
36	33	24	60	38	39	83	*	72
36	33	23	61	38	39	84	*	72
36	32	24	60	39	39	84	*	71
36	34	25	60	38	38	83	*	73
37	33	25	60	39	39	83	*	72
36	33	24	59	40	39	84	*	72
37	33	24	60	39	38	84	*	72
37	33	24	60	40	39	83	*	68
38	33	24	59	39	38	83	*	69
37	34	24	60	38	38	82	*	71
37	33	23	59	39	39	83	*	71
38	34	23	60	38	39	83	*	72
38	34	24	59	39	38	83	*	72
38	34	24	59	38	38	83	*	72
38	34	23	59	39	38	84	*	72
39	34	23	60	39	38	83	*	72
39	34	24	60	39	37	83	*	73
39	34	23	59	39	38	83	*	73
39	34	24	60	39	37	83	*	71
39	34	24	60	39	37	83	*	72
39	35	24	60	39	37	84	*	72
39	34	24	60	39	37	82	*	72
40	34	23	60	38	38	83	*	72
39	33	24	59	39	37	83	*	73
39	34	22	60	39	37	83	*	72
40	34	24	60	39	37	83	*	73
39	35	23	60	39	36	84	*	72
40	34	23	60	38	37	83	*	73
40	34	24	60	38	37	84	*	72
39	34	24	59	39	36	83	*	73
39	35	23	59	39	36	84	*	73
40	35	24	59	39	36	83	*	73
40	34	23	60	38	37	84	*	73
39	35	24	60	39	36	83	*	73
40	35	24	60	38	37	83	*	73
40	34	24	60	38	37	84	*	74

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
247	78	15	47	40	34	23	60
248	78	34	47	41	34	24	61
249	78	53	47	40	35	24	61
250	79	12	47	41	35	24	62
251	79	31	47	40	35	25	63
252	79	50	47	40	35	25	64
253	80	9	48	41	35	25	64
254	80	28	48	42	35	26	64
255	80	47	48	42	35	26	63
256	81	6	48	41	35	27	63
257	81	25	48	42	36	25	63
258	81	44	48	42	37	26	62
259	82	3	48	42	36	25	63
260	82	22	49	43	36	26	64
261	82	41	48	42	37	25	64
262	83	0	49	43	37	27	64
263	83	20	49	43	36	27	65
264	83	39	49	44	36	27	65
265	83	58	50	44	37	26	65
266	84	17	51	43	37	27	64
267	84	36	50	45	37	27	65
268	84	55	51	44	37	27	66
269	85	14	52	45	38	29	66
270	85	33	53	45	39	29	66
271	85	52	53	46	38	29	66
272	86	11	53	45	39	29	66
273	86	30	53	46	39	29	66
274	86	49	53	46	38	29	67
275	87	8	53	47	39	29	66
276	87	27	53	47	40	29	66
277	87	46	53	47	40	29	67
278	88	5	54	47	40	29	66
279	88	24	54	48	39	29	67
280	88	43	55	47	40	30	68
281	89	2	56	48	40	29	69
282	89	22	56	48	41	30	68
283	89	41	56	48	41	31	68
284	90	0	57	48	41	30	67
285	90	19	57	48	41	29	66
286	90	38	55	48	41	28	66
287	90	57	56	48	42	29	66
288	91	16	56	48	42	29	67
289	91	35	56	49	41	29	67
290	91	54	56	48	41	30	68
291	92	13	57	49	40	30	69
292	92	32	58	49	42	31	70
293	92	51	58	49	41	31	71
294	93	10	59	49	42	31	71
295	93	29	59	50	41	30	69
296	93	49	58	51	42	29	68

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
40	34	23	60	39	37	84	*	73
41	34	24	61	37	38	86	72	80
40	35	24	61	36	38	86	76	86
41	35	24	62	35	39	88	80	90
40	35	25	63	35	39	89	85	92
40	35	25	64	35	39	90	80	94
41	35	25	64	36	39	89	*	82
42	35	26	64	38	38	87	*	79
42	35	26	63	38	39	88	*	76
41	35	27	63	39	39	87	*	75
42	36	25	63	38	39	87	128	78
42	37	26	62	36	39	89	78	87
42	36	25	63	35	40	91	*	90
43	36	26	64	35	40	91	81	93
42	37	25	64	34	41	92	89	94
43	37	27	64	35	41	91	*	95
43	36	27	65	34	41	93	83	95
44	36	27	65	34	41	93	*	96
44	37	26	65	34	42	93	*	97
43	37	27	64	34	42	93	*	97
45	37	27	65	34	42	94	85	97
44	37	27	66	34	42	94	128	97
45	38	29	66	34	43	94	86	97
45	39	29	66	35	42	94	118	97
46	38	29	66	35	43	95	*	98
45	39	29	66	34	43	95	*	97
46	39	29	66	34	43	94	87	98
46	38	29	67	34	44	95	*	98
47	39	29	66	35	44	95	86	98
47	40	29	66	35	44	94	89	98
47	40	29	67	34	44	96	89	99
47	40	29	66	33	43	96	105	104
48	39	29	67	33	44	98	93	105
47	40	30	68	34	43	98	92	107
48	40	29	69	33	44	98	128	99
48	41	30	68	37	44	95	*	89
48	41	31	68	38	43	94	*	84
48	41	30	67	39	43	92	*	81
48	41	29	66	39	43	92	*	79
48	41	28	66	36	44	94	126	92
48	42	29	66	35	44	94	89	100
48	42	29	67	35	43	96	*	103
49	41	29	67	33	44	98	101	105
48	41	30	68	34	43	99	*	107
49	40	30	69	33	44	100	93	107
49	42	31	70	34	45	100	*	108
49	41	31	71	33	44	100	102	109
49	42	31	71	35	44	99	*	97
50	41	30	69	37	44	96	*	89
51	42	29	68	38	44	95	*	84

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
297	94	8	58	51	42	29	67
298	94	27	59	49	42	29	66
299	94	46	58	50	42	29	64
300	95	5	58	51	43	29	65
301	95	24	58	51	43	29	66
302	95	43	57	50	43	30	67
303	96	2	59	50	42	31	68
304	96	21	58	51	43	31	71
305	96	40	60	50	43	32	70
306	96	59	60	49	43	32	71
307	97	18	60	51	44	31	72
308	97	37	60	51	43	30	70
309	97	57	60	52	43	29	69
310	98	16	60	52	44	30	67
311	98	35	61	52	44	29	66
312	98	54	61	51	44	29	65
313	99	13	60	52	44	29	64
314	99	32	60	52	44	29	64
315	99	51	60	51	43	29	63
316	100	10	59	51	44	29	63
317	100	29	60	51	43	28	63
318	100	48	59	51	43	27	63
319	101	7	59	51	43	29	63
320	101	26	59	51	44	31	64
321	101	45	58	50	43	30	66
322	102	5	59	51	43	30	68
323	102	24	59	51	43	31	70
324	102	43	60	52	44	32	70
325	103	2	61	51	44	32	72
326	103	21	60	51	44	33	71
327	103	40	61	51	45	32	70
328	103	59	60	52	44	32	69
329	104	18	61	51	44	30	68
330	104	37	61	52	44	31	67
331	104	56	61	51	45	31	67
332	105	15	60	52	45	30	66
333	105	35	61	51	44	29	66
334	105	54	60	50	44	32	66
335	106	13	59	51	43	30	66
336	106	32	60	51	44	29	66
337	106	51	59	50	44	30	64
338	107	10	60	50	45	31	64
339	107	29	59	51	43	30	64
340	107	48	58	51	43	30	65
341	108	7	59	51	44	30	65
342	108	27	59	51	44	30	65
343	108	46	58	50	43	30	65
344	109	5	59	49	43	29	64
345	109	42	58	50	44	28	63
346	110	28	57	50	43	27	

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
51	42	29	67	38	44	94	*	84
49	42	29	66	39	43	92	*	81
50	42	29	64	39	43	91	128	81
51	43	29	65	35	43	94	*	96
51	43	29	66	34	43	96	121	102
50	43	30	67	34	43	97	*	107
50	42	31	68	33	45	100	*	109
51	43	31	71	33	45	101	*	111
50	43	32	70	34	44	102	*	112
49	43	32	71	34	44	102	98	113
51	44	31	72	35	46	100	*	94
51	43	30	70	38	45	97	*	87
52	43	29	69	39	44	94	128	81
52	44	30	67	40	44	93	*	78
52	44	29	66	40	43	92	*	77
51	44	29	65	40	43	90	128	74
52	44	29	64	41	43	90	*	74
52	44	29	64	42	42	89	*	73
51	43	29	63	42	42	88	*	73
51	44	29	63	41	42	88	*	73
51	43	28	63	42	42	87	*	74
51	43	27	63	39	42	88	*	82
51	43	29	63	36	42	93	*	96
51	44	31	64	35	43	96	*	103
50	43	30	66	34	43	96	109	107
51	43	30	68	34	43	99	*	110
51	43	31	70	33	44	101	138	112
52	44	32	70	34	43	102	98	113
51	44	32	72	35	45	100	*	102
51	44	33	71	37	46	98	*	92
51	45	32	70	38	45	96	*	87
52	44	32	69	39	46	94	*	83
51	44	30	68	40	46	93	*	80
52	44	31	67	40	45	92	89	80
51	45	31	67	41	45	91	128	78
52	45	30	66	42	44	91	128	78
51	44	29	66	40	45	90	*	79
50	44	32	66	42	44	91	*	79
51	43	30	66	41	45	90	*	79
51	44	29	66	41	44	90	*	78
50	44	30	64	42	44	88	*	78
50	45	31	64	43	43	89	*	78
51	43	30	64	42	44	89	*	78
51	43	30	65	42	44	89	*	79
51	44	30	65	41	44	89	*	79
51	44	30	65	42	44	89	*	79
50	43	30	65	41	45	90	*	80
49	43	29	64	42	44	89	*	78
50	44	28	63	41	43	87	*	76
50	43	27	63	41	42	87	*	75

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-0 ENG. LUB PUM INLE OI DEG.
347	110	47	57	51	43	29	63
348	111	7	57	52	44	32	64
349	111	26	58	52	47	36	65
350	111	45	58	53	50	44	65
351	112	4	60	55	58	49	64
352	112	23	61	56	61	52	65
353	112	42	62	57	63	54	64
354	113	1	63	58	63	57	64
355	113	21	63	59	64	59	64
356	113	40	64	60	63	60	64
357	*	*	*	*	*	*	*

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
51	43	29	63	43	41	84	*	64
52	44	32	64	44	41	83	*	58
52	47	36	65	44	42	81	*	52
53	50	44	65	45	45	80	*	50
55	58	49	64	47	48	81	*	49
56	61	52	65	46	50	79	*	50
57	63	54	64	46	51	78	128	50
58	63	57	64	47	52	77	*	53
59	64	59	64	46	53	76	*	53
60	63	60	64	46	53	76	*	53
*	*	*	*	*	*	*	*	*

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CLIMATIC LAB TEST
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RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C
1	0	19	25	25	25	24	24
2	17	18	24	25	24	24	25
3	17	37	24	25	25	24	25
4	1	16	24	24	25	24	24
5	18	15	25	24	24	24	26
6	18	34	25	24	24	24	25
7	18	53	26	26	24	26	25
8	2	32	25	24	24	24	24
9	19	31	25	24	24	24	24
10	3	10	24	25	24	24	24
11	20	9	24	24	24	24	25
12	20	28	24	24	25	25	24
13	4	8	25	24	24	24	25
14	4	27	24	25	24	24	25
15	21	26	24	25	24	24	25
16	21	45	25	25	24	24	25
17	5	24	24	24	25	25	24
18	5	43	25	25	24	24	25
19	22	42	25	24	25	25	24
20	6	21	24	25	24	24	25
21	6	40	25	24	25	25	25
22	6	59	24	24	25	24	24
23	23	58	24	25	25	25	25
24	7	37	25	24	25	25	24
25	24	36	25	25	24	24	25
26	24	55	25	24	24	24	25
27	25	14	24	25	24	24	24
28	8	53	25	24	24	25	24
29	25	52	25	25	24	24	25
30	9	31	25	25	24	24	25
31	26	30	25	24	24	25	24
32	26	49	24	25	24	24	25
33	27	8	24	25	24	24	24
34	10	47	25	24	24	24	24
35	11	6	25	25	23	25	25
36	28	5	25	25	24	24	24
37	28	24	25	24	23	24	25
38	12	3	24	25	23	25	24
39	29	2	25	24	23	25	24
40	29	21	25	24	22	24	25
41	29	40	25	24	23	24	24
42	13	19	25	25	23	25	26
43	13	38	25	25	23	24	25
44	13	57	24	24	23	24	
45	14	16	25	24	23	24	

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7-17	7-18	7-21	7-22	7-23	7-24	7-25	7-26	7-27
ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
COMPRS	OIL	COMPRS	OIL	OIL	GAS	POWER	OIL	POWER
CSE	COOLER	CSE	COOLER	COOLER	GN TRB	TURB	COOLER	TURB
STG.4	AIR	STG.5	AIR	OIL	CSE	CASE	OIL	CASE
8.00	INLET	6.00	OUTLET	INLET	12.00	4.00	OUTLET	12.00
DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
25	25	24	24	25	24	25	25	25
25	24	24	25	24	25	25	25	25
25	25	24	25	24	25	25	25	25
24	25	24	24	25	25	25	25	25
24	24	24	26	24	26	24	25	26
24	24	24	25	24	25	25	25	25
26	24	26	25	27	26	27	29	27
24	24	24	24	24	25	29	25	28
24	24	24	24	24	25	24	25	26
25	24	24	24	24	25	25	24	26
24	24	24	25	24	25	26	24	26
24	25	25	24	24	25	25	24	25
24	24	24	25	24	25	25	25	26
25	24	24	25	24	25	25	25	26
25	24	24	25	26	26	27	26	29
25	24	24	25	24	25	25	25	26
24	25	25	24	24	25	25	25	25
25	24	24	25	24	25	29	28	29
24	25	25	24	24	25	25	25	25
25	24	24	25	25	25	26	25	26
24	25	25	25	24	26	25	25	25
24	25	24	24	25	26	25	25	26
25	25	25	25	25	25	26	25	26
24	25	25	24	25	26	25	26	26
25	24	24	25	24	26	26	24	26
24	24	24	25	24	26	25	25	26
25	24	24	24	24	25	25	24	26
24	24	25	24	24	26	25	25	26
25	24	24	25	24	26	26	25	26
25	24	24	25	24	25	26	25	26
24	24	25	24	24	26	25	25	26
25	24	24	25	24	25	26	24	26
25	24	24	24	24	25	25	24	27
24	24	24	24	24	26	26	25	26
25	23	25	25	24	26	26	25	26
25	24	24	24	24	25	26	24	26
24	23	24	25	24	26	26	25	27
25	23	25	24	25	25	26	24	26
24	23	25	24	25	26	26	25	27
24	22	24	25	24	26	26	25	27
24	23	24	24	24	25	26	25	26
25	23	25	26	26	28	29	27	29
25	23	24	25	24	26	26	24	27
24	23	24	24	25	25	26	25	26
24	23	24	24	24	25	25	25	26

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C
46	31	15	25	24	22	24	24
47	31	34	24	24	23	24	24
48	31	53	24	25	23	24	24
49	32	12	24	25	23	24	24
50	32	31	25	25	23	25	24
51	16	10	26	24	23	25	24
52	33	9	25	24	22	25	24
53	16	48	25	25	22	25	24
54	17	7	25	24	22	24	24
55	17	26	25	24	22	25	24
56	17	45	24	25	23	24	24
57	18	4	25	25	22	25	24
58	18	23	25	25	22	25	24
59	18	42	24	24	22	25	24
60	19	1	26	26	24	25	24
61	19	20	25	26	23	24	25
62	19	39	24	24	23	24	23
63	19	58	25	24	21	24	24
64	20	17	25	24	22	24	24
65	20	36	24	24	22	24	24
66	20	55	25	24	22	24	24
67	21	14	24	24	21	24	24
68	21	33	24	24	22	24	24
69	21	52	25	24	22	24	24
70	22	11	24	24	22	24	23
71	22	30	25	24	22	25	24
72	22	49	25	24	22	24	24
73	23	8	24	25	22	24	23
74	23	27	25	24	22	25	23
75	23	46	25	24	22	24	24
76	24	5	24	24	22	24	24
77	24	24	24	24	23	24	23
78	24	43	25	24	22	24	23
79	25	2	24	24	23	24	24
80	25	21	24	25	23	24	23
81	25	40	25	24	24	24	23
82	25	59	24	24	24	24	23
83	26	18	24	24	24	24	23
84	26	37	25	24	24	25	23
85	26	56	24	24	23	24	23
86	27	16	25	24	23	24	24
87	27	35	24	25	24	24	23
88	27	54	24	25	24	24	23
89	28	13	25	24	24	24	24
90	28	51	24	25	24	24	24
92	29	10	25	25	23	24	24
93	29	29	25	24	23	24	24
94	29	48	24	23	24	24	23
95	30	7	25	24	24	24	24
96	30	26	24	24	24	24	24

7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 6.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
24	22	24	24	24	26	26	25	26
24	23	24	24	24	26	25	25	26
25	23	24	24	24	25	26	25	26
25	23	24	24	24	25	26	24	26
25	23	25	24	24	26	26	24	26
24	23	25	24	24	26	25	25	26
24	22	25	24	24	26	25	25	26
25	22	25	24	24	25	26	25	27
24	22	24	24	24	25	26	24	26
24	22	25	24	24	26	26	25	26
25	23	24	24	24	25	27	24	27
25	22	25	24	24	26	26	25	27
25	22	25	24	24	25	26	25	27
24	22	25	24	25	26	26	24	26
26	24	25	24	24	26	26	25	27
26	23	24	25	25	27	29	28	28
24	23	24	23	24	25	26	25	26
24	21	24	24	24	26	26	24	27
24	22	24	24	24	26	26	25	27
24	22	24	24	24	26	26	24	27
24	22	24	24	24	26	25	25	26
24	21	24	24	24	25	26	24	26
24	22	24	24	23	26	25	24	26
24	22	24	24	24	26	26	24	26
24	22	24	23	24	26	26	24	26
24	22	25	24	24	26	26	24	26
24	22	24	24	24	26	25	25	26
25	22	24	23	24	25	26	24	27
24	22	25	23	24	25	25	24	26
24	22	24	24	24	25	26	24	26
24	22	24	24	24	25	26	24	26
24	23	24	23	24	25	26	24	25
24	22	24	23	24	25	26	24	26
24	23	24	24	24	25	26	24	26
25	23	24	23	24	26	26	24	27
24	24	24	23	24	26	25	25	26
24	24	24	23	24	26	26	24	25
24	24	24	23	23	25	26	24	26
24	24	25	23	24	26	25	25	26
24	23	24	23	24	25	26	24	26
24	23	24	24	24	26	25	25	26
25	24	24	23	24	25	26	24	27
25	24	24	23	24	25	26	24	26
24	24	24	24	24	25	25	24	26
25	24	24	24	24	26	26	24	26
25	23	24	24	23	25	26	24	27
24	23	24	24	24	25	26	24	26
23	24	24	23	23	25	26	24	26
24	24	24	24	24	25	26	25	26
24	24	24	24	24	25	26	24	26

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C
97	30	45	24	24	23	23	24
98	31	4	25	24	24	24	24
99	31	23	24	24	23	24	23
100	31	42	24	24	23	24	23
101	32	1	24	24	24	25	23
102	32	20	24	24	23	24	24
103	32	39	24	24	23	24	23
104	32	58	24	24	24	25	23
105	33	17	25	24	24	25	24
106	33	36	25	24	24	25	23
107	33	55	25	25	24	24	24
108	34	14	25	25	24	24	24
109	34	33	26	25	24	25	24
110	34	52	25	26	24	24	24
111	35	11	25	26	24	25	24
112	35	30	26	26	24	25	24
113	35	49	25	25	25	25	24
114	36	8	26	25	24	25	24
115	36	27	25	25	24	25	24
116	36	46	25	26	24	25	24
117	37	5	25	26	25	25	24
118	37	24	26	26	24	25	24
119	37	43	25	26	24	26	24
120	38	2	27	26	24	26	24
121	38	21	26	26	24	26	24
122	38	40	25	27	24	25	24
123	38	59	26	27	25	26	24
124	39	18	27	26	25	27	24
125	39	37	25	26	24	26	24
126	39	56	26	26	24	26	25
127	40	15	26	27	24	27	24
128	40	34	26	25	24	25	24
129	40	53	27	26	24	27	24
130	41	12	27	26	23	26	24
131	41	31	26	25	24	26	24
132	41	50	26	27	23	26	24
133	42	9	26	25	24	26	24
134	42	28	27	26	22	27	23
135	42	47	27	26	21	26	23
136	43	6	31	30	20	29	24
137	43	25	36	33	20	34	23
138	43	44	39	36	21	39	24
139	44	3	42	38	22	42	24
140	44	22	43	39	21	45	24
141	44	41	41	38	21	45	25
142	45	0	38	36	21	43	25
143	45	19	35	33	21	40	25
144	45	38	35	32	21	38	26
145	45	57	34	32	23	37	26
146	46	16	34	32	22	37	

7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
24	23	23	24	23	26	25	24	27
24	24	24	24	24	26	25	24	26
24	23	24	23	24	25	26	24	26
24	23	24	23	24	25	26	24	27
24	24	25	23	24	25	26	24	26
24	23	24	24	23	26	26	24	26
24	23	24	23	24	26	25	25	26
24	24	25	23	24	26	25	26	26
24	24	25	24	27	28	25	28	26
24	24	25	23	27	27	26	27	27
25	24	24	24	26	27	26	26	26
25	24	24	24	26	27	27	26	27
25	24	25	24	26	27	27	26	27
26	24	24	24	26	26	27	25	28
26	24	25	24	25	27	27	25	28
26	24	25	24	26	27	27	26	27
25	25	25	24	26	27	27	25	27
25	24	25	24	25	27	27	26	28
25	24	25	24	24	27	27	25	28
26	24	25	24	25	27	27	26	28
26	25	25	24	26	27	27	24	28
26	24	25	24	25	27	26	25	28
26	24	26	24	25	27	28	25	28
26	24	26	24	25	28	27	25	28
26	24	26	24	25	28	28	25	28
27	24	25	24	25	28	28	25	27
27	25	26	24	25	27	27	26	27
26	25	27	24	26	28	28	25	29
26	24	26	24	26	27	28	25	27
26	24	26	25	25	29	27	25	28
27	24	27	24	25	27	28	25	28
25	24	25	24	25	27	27	25	27
26	24	27	24	24	29	28	25	28
26	23	26	24	24	28	28	25	28
25	24	26	24	24	27	27	25	27
27	23	26	24	24	28	28	24	29
25	24	26	24	24	28	27	25	28
26	22	27	23	26	28	27	26	27
26	21	26	23	31	38	38	29	34
30	20	29	24	34	83	83	33	68
33	20	34	23	39	121	133	37	111
36	21	39	24	42	145	179	41	151
38	22	42	24	46	161	222	45	184
39	21	45	24	48	168	258	48	210
38	21	45	25	48	173	269	48	221
36	21	43	25	47	176	265	47	214
33	21	40	25	46	175	257	45	208
32	21	38	26	45	175	248	45	203
32	23	37	26	44	173	242	44	199
32	22	37	26	43	170	234	44	197

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C
147	46	35	33	34	23	37	26
148	46	54	33	34	23	37	26
149	47	13	34	32	23	37	26
150	47	32	34	32	24	36	26
151	47	51	33	32	22	35	26
152	48	10	33	32	23	36	26
153	48	29	34	32	24	36	27
154	48	48	33	32	24	35	27
155	49	7	33	32	24	36	27
156	49	26	33	32	25	36	27
157	49	45	33	33	27	37	28
158	50	4	34	32	28	37	28
159	50	23	33	33	28	37	28
160	50	42	34	34	29	38	29
161	51	1	35	33	26	38	29
162	51	20	35	34	27	39	29
163	51	37	35	34	29	39	29
164	51	57	35	34	29	39	29
165	52	13	36	34	30	40	30
166	52	36	35	35	29	40	30
167	52	55	35	35	28	40	30
168	53	14	36	35	29	41	31
169	53	33	36	35	29	41	31
170	53	52	36	35	27	40	31
171	54	11	36	36	25	41	32
172	54	30	36	35	24	40	31
173	54	48	36	36	24	41	30
174	55	7	36	35	23	41	30
175	55	26	36	35	24	40	30
176	55	45	36	36	24	40	31
177	56	4	36	36	24	40	32
178	56	23	37	35	25	40	31
179	56	42	36	36	25	40	31
180	57	1	37	35	24	41	32
181	57	20	36	36	25	40	32
182	57	39	37	36	25	40	32
183	57	58	36	36	25	40	32
184	58	17	37	36	25	41	31
185	58	36	37	36	24	41	31
186	58	55	37	36	23	41	30
187	59	14	36	35	24	40	31
188	59	33	37	35	23	40	31
189	59	52	35	34	21	40	33
190	60	11	37	37	24	39	42
191	60	30	39	38	25	41	40
192	60	49	40	40	26	43	41
193	61	8	42	41	25	45	42
194	61	27	43	41	27	48	43
195	61	46	50	52	21	52	34
196	62	5	61	62	22	67	35

7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
34	23	37	26	42	169	227	44	195
34	23	37	26	42	168	221	43	193
32	23	37	26	41	167	215	43	193
32	24	36	26	41	165	210	42	191
32	22	35	26	40	165	205	41	189
32	23	36	26	39	164	201	41	188
32	24	36	27	39	163	197	41	186
32	24	35	27	38	162	194	40	185
32	24	36	27	38	161	191	40	184
32	25	36	27	38	161	186	39	183
33	27	37	28	37	160	183	39	183
32	28	37	28	37	159	180	39	181
33	28	37	28	37	159	177	38	180
34	29	38	29	37	158	174	38	179
33	26	38	29	36	158	170	38	178
34	27	39	29	36	157	168	38	177
34	29	39	29	36	156	166	37	176
34	29	39	29	36	156	163	38	175
34	30	40	30	37	155	161	38	174
35	29	40	30	36	155	160	37	173
35	28	40	30	36	155	158	37	172
35	29	41	31	35	154	155	37	170
35	29	41	31	36	154	153	37	170
35	27	40	31	35	152	151	36	169
36	25	41	32	35	151	149	36	168
35	24	40	31	35	151	147	36	167
36	24	41	30	34	150	145	36	165
35	23	41	30	35	150	144	36	164
35	24	40	30	35	149	142	36	163
36	24	40	31	34	148	140	35	163
36	24	40	32	34	148	138	36	161
35	25	40	31	34	147	137	35	161
36	25	40	31	35	146	136	35	160
35	24	41	32	34	146	133	36	158
36	25	40	32	33	146	132	35	158
36	25	40	32	33	145	131	35	156
36	25	40	32	33	145	130	35	156
36	25	41	31	34	144	129	35	155
36	24	41	31	33	144	127	35	155
36	23	41	30	34	143	126	35	153
35	24	40	31	34	142	124	35	152
35	23	40	31	36	142	123	36	151
34	21	40	33	49	132	127	44	153
37	24	39	42	53	140	158	49	172
38	25	41	40	56	156	198	48	198
40	26	43	41	58	168	236	49	223
41	25	45	42	60	177	269	51	243
41	27	48	43	61	184	298	50	261
52	21	52	34	66	239	330	51	271
62	22	67	35	69	270	352	53	282

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C
197	62	24	67	68	19	82	33
198	62	43	72	72	22	94	36
199	63	2	74	76	23	103	38
200	63	21	76	78	19	108	39
201	63	40	77	78	20	112	40
202	64	0	78	79	21	114	42
203	64	19	78	80	21	115	45
204	64	38	77	80	23	115	46
205	64	57	78	80	24	116	48
206	65	16	75	75	20	116	47
207	65	35	69	69	24	108	48
208	65	54	67	69	23	98	48
209	66	13	67	72	19	95	46
210	66	32	67	73	19	95	46
211	66	50	67	73	19	95	46
212	67	10	68	73	19	95	45
213	67	27	67	72	17	95	44
214	67	46	67	73	18	94	45
215	68	7	67	73	19	95	44
216	68	26	66	73	18	95	45
217	68	45	66	73	18	94	45
218	69	4	65	71	17	94	46
219	69	23	64	71	18	91	44
220	69	42	65	72	18	90	44
221	70	1	66	71	17	92	44
222	70	20	67	71	16	93	44
223	70	39	67	72	17	94	44
224	70	58	66	71	18	94	45
225	71	17	66	71	17	94	44
226	71	36	66	71	17	95	44
227	71	55	66	73	18	94	44
228	72	14	65	72	18	94	45
229	72	33	66	71	17	95	44
230	72	52	66	72	17	95	45
231	73	11	66	73	18	95	45
232	73	30	66	72	18	95	44
233	73	49	66	72	17	95	45
234	74	8	66	71	18	94	45
235	74	27	66	71	17	95	44
236	74	46	67	71	18	95	44
237	75	5	66	72	19	96	44
238	75	24	66	72	17	96	44
239	75	43	66	72	17	96	45
240	76	2	66	72	18	96	45
241	76	21	66	72	18	96	45
242	76	40	65	73	18	96	45
243	76	59	66	73	17	96	44
244	77	18	65	73	18	96	45
245	77	37	66	72	18	97	45
246	77	56	66	72	19	96	

7-17 ENG.1 MPRS CSE STG.4 6.00 EG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
68	19	82	33	72	290	369	54	288
72	22	94	36	75	298	384	56	301
76	23	103	38	77	302	394	58	310
78	19	108	39	78	307	402	59	320
78	20	112	40	80	309	406	60	325
79	21	114	42	80	307	410	61	330
80	21	115	45	83	307	411	63	333
80	23	115	46	85	307	413	63	338
80	24	116	48	85	307	413	64	339
75	20	116	47	85	288	405	64	339
69	24	108	48	84	259	388	63	333
69	23	98	48	84	260	374	63	323
72	19	95	46	83	266	367	62	317
73	19	95	46	84	271	361	62	314
73	19	95	46	83	272	358	63	311
73	19	95	45	83	273	355	63	311
72	17	95	44	84	270	355	62	309
73	18	94	45	83	269	353	61	307
73	19	95	44	83	269	352	62	307
73	18	95	45	84	269	350	62	306
73	18	94	45	83	267	349	63	306
71	17	94	46	83	260	347	63	304
71	18	91	44	83	262	346	63	301
72	18	90	44	83	266	347	61	301
71	17	92	44	83	270	348	63	303
71	16	93	44	83	271	349	61	303
72	17	94	44	84	272	351	62	304
71	18	94	45	83	274	351	61	304
71	17	94	44	83	272	352	62	304
71	17	95	44	84	273	352	62	304
73	18	94	44	83	272	351	63	305
72	18	94	45	83	274	352	61	305
71	17	95	44	83	274	352	62	305
72	17	95	45	83	273	352	63	305
73	18	95	45	83	273	353	62	306
72	18	95	44	83	274	353	62	305
72	17	95	45	83	274	352	63	306
71	18	94	45	84	274	353	63	306
71	17	95	44	83	276	354	62	305
71	18	95	44	83	275	355	62	307
72	18	96	44	84	276	355	62	307
72	17	96	44	84	278	355	62	307
72	17	96	45	83	277	355	62	308
72	18	96	45	83	276	355	62	308
72	18	96	45	83	277	356	62	309
73	18	96	45	84	278	355	62	309
73	17	96	44	84	276	356	62	308
73	18	96	45	84	278	355	62	309
72	18	97	45	84	276	355	63	308
72	19	96		84	276	355	63	309

~01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C
247	78	15	66	72	17	97	46
248	78	34	71	73	17	99	46
249	78	53	77	79	19	106	47
250	79	12	80	81	19	113	48
251	79	31	83	85	20	117	49
252	79	50	85	85	20	121	51
253	80	9	80	82	20	123	50
254	80	28	72	80	20	115	50
255	80	47	71	78	21	107	50
256	81	6	69	77	20	102	50
257	81	25	70	76	19	99	48
258	81	44	77	80	20	102	50
259	82	3	82	82	21	112	51
260	82	22	84	85	20	116	52
261	82	41	85	86	22	121	52
262	83	0	86	87	20	123	52
263	83	20	88	87	22	125	54
264	83	39	89	88	22	126	54
265	83	58	88	89	22	126	55
266	84	17	88	89	22	126	55
267	84	36	89	88	23	127	55
268	84	55	89	89	22	127	55
269	85	14	88	89	22	128	55
270	85	33	88	90	22	127	56
271	85	52	90	89	22	128	56
272	86	11	89	91	23	129	56
273	86	30	90	90	23	129	56
274	86	49	89	89	22	129	57
275	87	8	89	90	23	129	56
276	87	27	91	91	23	129	57
277	87	46	91	91	23	130	58
278	88	5	93	94	24	130	57
279	88	24	96	96	23	132	58
280	88	43	97	97	24	132	58
281	89	2	96	96	24	134	58
282	89	22	85	90	26	129	59
283	89	41	79	86	29	120	61
284	90	0	75	83	23	112	56
285	90	19	72	81	23	106	55
286	90	38	80	84	22	105	55
287	90	57	90	92	24	115	56
288	91	16	94	94	24	124	57
289	91	35	96	95	24	129	59
290	91	54	98	97	24	132	59
291	92	13	98	99	24	133	59
292	92	32	99	99	25	135	60
293	92	51	100	100	24	136	61
294	93	10	94	96	24	136	59
295	93	29	84	88	24	128	58
296	93	49	78	84	24	119	57

7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
72	17	97	46	83	279	357	62	310
73	17	99	46	85	303	368	63	315
79	19	106	47	87	328	389	64	330
81	19	113	48	88	340	412	64	349
85	20	117	49	90	351	432	65	361
85	20	121	51	89	346	441	66	369
82	20	123	50	88	308	427	65	364
80	20	115	50	87	284	406	64	350
78	21	107	50	87	279	388	64	339
77	20	102	50	87	274	378	64	331
76	19	99	48	86	292	376	64	328
80	20	102	50	89	331	395	64	339
82	21	112	51	91	344	415	66	355
85	20	116	52	90	347	428	66	369
86	22	121	52	92	347	437	67	373
87	20	123	52	92	349	443	66	380
87	22	125	54	93	349	449	67	384
88	22	126	54	92	349	449	66	384
89	22	126	55	93	350	452	67	387
89	22	126	55	93	351	452	65	390
88	23	127	55	93	354	455	66	393
89	22	127	55	94	354	457	66	396
89	22	128	55	95	354	459	67	396
90	22	127	56	94	355	462	68	397
89	22	128	56	94	354	464	67	396
91	23	129	56	94	355	464	67	397
90	23	129	56	95	355	465	67	400
89	22	129	57	95	355	466	67	400
90	23	129	56	95	355	467	68	399
91	23	129	57	96	355	468	67	399
91	23	130	55	96	360	470	67	400
94	24	130	57	96	382	490	69	409
96	23	132	58	97	388	511	70	421
97	24	132	58	98	391	524	69	428
96	24	134	58	98	370	521	69	427
90	26	129	59	96	311	483	69	404
86	29	120	61	94	288	446	70	383
83	23	112	56	92	279	417	66	363
81	23	106	55	92	275	397	66	351
84	22	105	55	94	347	419	66	361
92	24	115	56	96	379	457	68	384
94	24	124	57	96	388	489	68	403
95	24	129	59	98	389	510	69	418
97	24	132	59	98	392	522	70	428
99	24	133	59	99	392	530	70	435
99	25	135	60	101	393	534	71	437
100	24	136	61	101	394	538	73	441
96	24	136	59	98	352	517	70	430
88	24	128	58	97	310	474	69	406
84	24	119	57	94	295	439	67	383

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	C
297	94	8	77	82	23	112	56	
298	94	27	74	80	23	110	55	
299	94	46	74	79	23	107	54	
300	95	5	83	86	23	110	56	
301	95	24	92	92	24	120	57	
302	95	43	96	96	25	127	59	
303	96	2	100	98	25	133	59	
304	96	21	103	100	25	136	60	
305	96	40	103	103	25	139	62	
306	96	59	103	102	26	140	63	
307	97	18	93	96	26	138	60	
308	97	37	82	90	24	127	59	
309	97	57	76	85	24	115	58	
310	98	16	72	82	25	106	57	
311	98	35	70	81	24	101	56	
312	98	54	70	79	23	97	55	
313	99	13	68	79	22	96	53	
314	99	32	68	78	22	94	54	
315	99	51	68	77	24	94	53	
316	100	10	66	77	22	94	52	
317	100	29	68	77	23	93	52	
318	100	48	72	79	22	94	51	
319	101	7	84	87	24	106	55	
320	101	26	93	93	24	118	57	
321	101	45	98	97	25	128	58	
322	102	5	101	99	25	134	59	
323	102	24	102	101	25	137	61	
324	102	43	104	102	25	140	61	
325	103	2	100	100	27	141	62	
326	103	21	89	94	28	134	62	
327	103	40	81	89	24	123	60	
328	103	59	77	87	25	114	58	
329	104	18	75	84	25	109	58	
330	104	37	74	83	24	105	56	
331	104	56	73	81	24	103	55	
332	105	15	72	80	27	101	58	
333	105	35	72	80	24	101	56	
334	105	54	73	80	27	102	57	
335	106	13	72	80	25	102	56	
336	106	32	72	80	22	101	54	
337	106	51	71	80	25	101	55	
338	107	10	71	80	26	101	57	
339	107	29	72	80	27	102	57	
340	107	48	72	79	29	101	57	
341	108	7	73	80	28	101	58	
342	108	27	73	79	28	101	58	
343	108	46	73	79	29	101	58	
344	109	5	72	80	21	103	54	
345	109	42	69	77	21	100	53	
346	110	28	68	76	20	99		

7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
82	23	112	56	94	295	420	67	370
80	23	110	55	92	290	402	65	357
79	23	107	54	91	292	393	65	348
86	23	110	56	93	358	423	68	361
92	24	120	57	96	389	466	68	391
96	25	127	59	97	398	500	71	414
98	25	133	59	99	400	522	71	431
100	25	136	60	102	403	539	72	443
103	25	139	62	101	405	548	72	450
102	26	140	63	103	404	552	75	452
96	26	138	60	100	339	523	70	436
90	24	127	59	97	300	476	69	405
85	24	115	58	95	287	436	67	381
82	25	106	57	93	281	409	66	366
81	24	101	56	92	278	390	65	352
79	23	97	55	91	276	378	65	342
79	22	96	53	90	274	369	64	335
78	22	94	53	88	273	363	64	328
77	24	94	53	88	271	360	63	324
77	22	94	52	87	272	356	63	322
77	23	93	52	87	272	355	63	318
79	22	94	51	88	311	368	65	323
97	24	106	55	92	375	416	67	354
99	24	113	57	95	396	457	68	389
97	25	128	58	97	401	492	70	417
99	26	134	59	99	405	517	73	430
101	25	137	61	100	407	533	73	442
102	25	140	61	101	406	543	73	452
100	27	141	62	101	365	532	72	443
94	28	134	62	97	314	487	71	416
89	24	123	60	96	291	451	69	389
87	25	114	58	95	284	420	68	371
84	26	109	58	93	279	402	68	357
83	24	105	56	92	277	387	67	347
81	24	103	55	92	277	379	66	340
80	27	101	56	92	276	372	67	337
80	24	101	56	91	277	370	65	330
80	27	102	57	90	279	367	66	327
80	25	102	56	91	278	367	66	324
80	22	101	54	90	278	365	64	323
80	25	101	55	90	277	363	65	321
80	26	101	57	89	277	362	66	321
80	27	102	57	88	278	361	66	320
79	29	101	57	89	277	361	65	321
80	28	101	58	89	279	360	66	322
79	28	101	58	89	281	361	66	321
79	29	101	58	89	277	360	66	320
80	21	103	54	88	280	362	64	320
77	21	100	53	87	279	360	64	317
76	20	99	53	87	278	358	64	316

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C
347	110	47	65	70	21	97	58
348	111	7	59	63	28	88	68
349	111	26	54	55	30	79	71
350	111	45	50	53	42	72	67
351	112	4	49	51	51	68	63
352	112	23	49	51	53	64	62
353	112	42	49	51	52	64	63
354	113	1	50	52	51	64	62
355	113	21	50	52	45	64	64
356	113	40	52	53	39	64	64
357	*	*	*	*	*	*	*

7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
70	21	97	58	85	260	357	65	320
63	28	88	68	83	243	356	71	325
55	30	79	71	82	243	348	78	318
53	42	72	67	80	244	334	80	306
51	51	68	63	80	242	322	78	296
51	53	64	62	79	242	310	78	289
51	52	64	63	79	240	300	77	283
52	51	64	62	79	238	292	75	279
52	45	64	64	78	236	285	75	276
53	39	64	64	78	234	279	74	272
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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
1	0	19	26
2	17	18	24
3	17	37	25
4	1	16	25
5	18	15	25
6	18	34	25
7	18	53	28
8	2	32	25
9	19	31	24
10	3	10	25
11	20	9	25
12	20	28	25
13	4	8	25
14	4	27	25
15	21	26	26
16	21	45	25
17	5	24	25
18	5	43	29
19	22	42	26
20	6	21	26
21	6	40	26
22	6	59	26
23	23	58	26
24	7	37	26
25	24	36	26
26	24	55	26
27	25	14	26
28	8	53	25
29	25	52	26
30	9	31	26
31	26	30	26
32	26	49	26
33	27	8	26
34	10	47	26
35	11	6	26
36	28	5	27
37	28	24	26
38	12	3	27
39	29	2	27
40	29	21	26
41	29	40	26
42	13	19	26
43	13	38	26
44	13	57	26
45	14	16	27

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
46	31	15	26
47	31	34	26
48	31	53	26
49	32	12	26
50	32	31	26
51	16	10	26
52	33	9	26
53	16	48	26
54	17	7	26
55	17	26	26
56	17	45	26
57	18	4	26
58	18	23	25
59	18	42	26
60	19	1	27
61	19	20	29
62	19	39	26
63	19	58	25
64	20	17	25
65	20	36	26
66	20	55	25
67	21	14	26
68	21	33	25
69	21	52	25
70	22	11	26
71	22	30	25
72	22	49	25
73	23	8	25
74	23	27	25
75	23	46	25
76	24	5	25
77	24	24	25
78	24	43	25
79	25	2	25
80	25	21	25
81	25	40	25
82	25	59	26
83	26	18	27
84	26	37	25
85	26	56	25
86	27	16	25
87	27	35	25
88	27	54	25
89	28	13	25
90	28	51	25
92	29	10	25
93	29	29	25
94	29	48	25
95	30	7	26
96	30	26	25

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
97	30	45	25
98	31	4	25
99	31	23	25
100	31	42	25
101	32	1	25
102	32	20	25
103	32	39	25
104	32	58	25
105	33	17	25
106	33	36	24
107	33	55	25
108	34	14	25
109	34	33	25
110	34	52	25
111	35	11	25
112	35	30	26
113	35	49	26
114	36	8	25
115	36	27	25
116	36	46	25
117	37	5	25
118	37	24	25
119	37	43	25
120	38	2	26
121	38	21	26
122	38	40	26
123	38	59	27
124	39	18	26
125	39	37	27
126	39	56	27
127	40	15	27
128	40	34	27
129	40	53	27
130	41	12	27
131	41	31	27
132	41	50	26
133	42	9	27
134	42	28	27
135	42	47	27
136	43	6	28
137	43	25	28
138	43	44	30
139	44	3	32
140	44	22	33
141	44	41	35
142	45	0	36
143	45	19	40
144	45	38	43
145	45	57	43
146	46	16	44

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
147	46	35	46
148	46	54	48
149	47	13	49
150	47	32	51
151	47	51	51
152	48	10	53
153	48	29	53
154	48	48	54
155	49	7	54
156	49	26	56
157	49	45	56
158	50	4	59
159	50	23	58
160	50	42	59
161	51	1	60
162	51	20	60
163	51	37	61
164	51	57	63
165	52	13	64
166	52	36	63
167	52	55	64
168	53	14	64
169	53	33	65
170	53	52	66
171	54	11	65
172	54	30	65
173	54	48	65
174	55	7	66
175	55	26	65
176	55	45	66
177	56	4	66
178	56	23	65
179	56	42	65
180	57	1	66
181	57	20	66
182	57	39	66
183	57	58	66
184	58	17	67
185	58	36	66
186	58	55	66
187	59	14	66
188	59	33	66
189	59	52	66
190	60	11	66
191	60	30	65
192	60	49	66
193	61	8	67
194	61	27	68
195	61	46	69
196	62	5	72

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
197	62	24	76
198	62	43	81
199	63	2	85
200	63	21	90
201	63	40	95
202	64	0	99
203	64	19	104
204	64	38	108
205	64	57	112
206	65	16	114
207	65	35	116
208	65	54	118
209	66	13	119
210	66	32	121
211	66	50	122
212	67	10	124
213	67	27	126
214	67	48	126
215	68	7	126
216	68	26	126
217	68	45	127
218	69	4	127
219	69	23	128
220	69	42	129
221	70	1	128
222	70	20	129
223	70	39	129
224	70	58	130
225	71	17	130
226	71	36	131
227	71	55	130
228	72	14	131
229	72	33	131
230	72	52	132
231	73	11	132
232	73	30	131
233	73	49	132
234	74	8	131
235	74	27	133
236	74	46	132
237	75	5	132
238	75	24	133
239	75	43	133
240	76	2	133
241	76	21	133
242	76	40	133
243	76	59	133
244	77	18	133
245	77	37	134
246	77	56	133

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
247	78	15	134
248	78	34	135
249	78	53	135
250	79	12	136
251	79	31	139
252	79	50	141
253	80	9	141
254	80	28	140
255	80	47	141
256	81	6	140
257	81	25	140
258	81	44	141
259	82	3	142
260	82	22	143
261	82	41	145
262	83	0	145
263	83	20	146
264	83	39	148
265	83	58	147
266	84	17	149
267	84	36	151
268	84	55	153
269	85	14	154
270	85	33	153
271	85	52	154
272	86	11	156
273	86	30	157
274	86	49	157
275	87	8	157
276	87	27	158
277	87	46	158
278	88	5	159
279	88	24	160
280	88	43	161
281	89	2	161
282	89	22	161
283	89	41	160
284	90	0	159
285	90	19	157
286	90	38	156
287	90	57	156
288	91	16	157
289	91	35	158
290	91	54	159
291	92	13	160
292	92	32	162
293	92	51	163
294	93	10	163
295	93	29	161
296	93	49	161

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
297	94	8	160
298	94	27	158
299	94	46	159
300	95	5	157
301	95	24	156
302	95	43	158
303	96	2	160
304	96	21	160
305	96	40	162
306	96	59	165
307	97	18	163
308	97	37	163
309	97	57	162
310	98	16	161
311	98	35	161
312	98	54	159
313	99	13	158
314	99	32	155
315	99	51	154
316	100	10	151
317	100	29	151
318	100	48	149
319	101	7	149
320	101	26	150
321	101	45	151
322	102	5	155
323	102	24	156
324	102	43	158
325	103	2	160
326	103	21	159
327	103	40	160
328	103	59	158
329	104	18	156
330	104	37	156
331	104	56	154
332	105	15	152
333	105	35	152
334	105	54	150
335	106	13	150
336	106	32	147
337	106	51	147
338	107	10	147
339	107	29	146
340	107	48	145
341	108	7	145
342	108	27	143
343	108	46	143
344	109	5	144
345	109	42	144
346	110	28	142

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
347	110	47	141
348	111	7	138
349	111	26	139
350	111	45	141
351	112	4	141
352	112	23	142
353	112	42	142
354	113	1	142
355	113	21	143
356	113	40	143
357	*	*	*

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
1	17	1	25	25	26	25	26
2	0	40	25	25	25	24	25
3	0	59	26	24	25	25	25
4	1	18	25	25	25	26	29
5	18	17	24	24	24	25	25
6	18	36	24	25	25	25	25
7	18	55	26	25	27	25	27
8	19	14	25	25	24	25	25
9	19	34	25	25	24	25	24
10	19	53	25	24	25	24	25
11	3	32	25	25	25	25	24
12	20	31	25	24	25	24	24
13	20	50	24	25	25	24	25
14	21	9	25	25	25	24	25
15	21	28	25	24	25	25	25
16	21	47	26	24	25	24	24
17	22	6	24	25	24	25	24
18	22	25	27	26	27	25	28
19	22	44	25	25	24	25	24
20	6	23	25	24	25	25	25
21	23	22	24	25	24	25	25
22	23	41	25	25	24	25	24
23	24	0	25	24	25	25	24
24	7	39	25	25	24	25	25
25	24	38	26	24	25	25	25
26	24	57	24	25	25	25	25
27	25	16	25	24	25	24	25
28	25	35	25	25	24	25	25
29	25	54	25	25	25	24	25
30	9	33	26	25	25	24	25
31	26	32	25	25	25	24	24
32	26	51	25	24	25	25	24
33	27	10	26	24	25	24	24
34	27	29	25	25	25	25	25
35	27	48	25	25	24	24	25
36	28	7	26	24	25	24	25
37	28	26	25	25	25	24	25
38	28	45	25	24	25	24	25
39	29	4	25	25	25	25	25
40	29	23	25	25	25	24	25
41	29	42	25	24	25	24	25
42	30	1	25	24	25	25	27
43	30	20	25	24	25	24	24
44	13	59	25	24	25	25	
45	30	58	24	25	24	24	

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8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.? 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
25	26	25	26	25	25	25	25	25
25	25	24	25	25	24	25	25	25
24	25	25	25	25	25	26	26	25
25	25	26	29	25	26	25	28	26
24	24	25	25	24	25	25	25	26
25	25	25	25	24	25	24	25	25
25	27	25	27	26	24	26	26	25
25	24	25	25	25	26	25	25	24
25	24	25	24	24	25	24	25	24
24	25	24	25	25	24	25	25	25
25	25	25	24	24	25	26	25	25
24	25	24	24	25	24	25	25	25
25	25	24	25	25	25	26	24	25
25	25	24	25	25	25	26	25	25
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24	25	25		25	24	25	24	24
25	24	24		25	24	24	25	24

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
46	31	17	25	24	25	24	25
47	31	36	24	25	24	25	24
48	15	15	25	24	25	24	24
49	32	14	25	24	25	24	24
50	15	53	25	24	24	25	24
51	32	52	24	25	24	25	24
52	33	11	24	25	24	25	24
53	16	50	25	24	25	24	25
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55	17	28	24	25	25	25	24
56	17	47	25	24	24	25	25
57	18	6	24	24	24	25	24
58	18	25	24	24	24	25	24
59	18	44	25	25	25	25	24
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62	19	41	25	24	25	24	24
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70	22	13	24	24	24	24	24
71	22	32	24	24	24	25	24
72	22	51	24	24	24	25	24
73	23	10	25	24	25	24	24
74	23	29	24	24	24	25	24
75	23	48	24	24	24	24	24
76	24	7	25	24	24	24	24
77	24	27	25	23	24	24	25
78	24	46	24	24	24	25	24
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81	25	43	24	24	24	25	24
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84	26	40	24	24	24	24	24
85	26	59	24	24	24	24	24
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87	27	37	24	23	25	23	24
88	27	56	24	24	24	24	24
89	28	15	24	24	24	24	24
90	28	53	24	24	25	24	24
92	29	12	24	24	25	24	24
93	29	31	24	24	24	24	24
94	29	50	24	23	24	24	24
95	30	9	24	24	24	25	24
96	30	28	24	23	25	24	23

8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
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24	24	24	24	24	24	24	24	24	24

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
97	30	47	24	24	24	24	24
98	31	6	24	23	24	24	24
99	31	25	24	24	23	24	23
100	31	44	24	24	24	24	23
101	32	3	25	24	24	24	24
102	32	22	24	23	24	23	24
103	32	41	24	24	24	24	23
104	33	0	24	24	24	24	24
105	33	19	24	23	23	24	24
106	33	38	24	23	24	24	24
107	33	57	24	23	24	24	24
108	34	16	24	22	24	23	23
109	34	35	24	23	24	23	23
110	34	54	24	23	24	24	24
111	35	13	24	23	23	23	24
112	35	32	23	23	25	22	27
113	35	51	24	23	25	23	29
114	36	10	24	22	25	24	29
115	36	29	24	22	24	24	29
116	36	49	24	23	25	24	28
117	37	7	24	23	25	23	28
118	37	26	24	22	25	24	26
119	37	45	23	23	25	24	27
120	38	4	23	24	24	25	28
121	38	23	23	24	24	24	26
122	38	42	24	22	25	24	26
123	39	1	23	23	25	24	27
124	39	20	23	23	24	25	26
125	39	39	24	23	25	23	26
126	39	58	24	23	25	24	26
127	40	17	24	23	25	24	26
128	40	36	24	23	25	24	25
129	40	55	24	23	25	23	26
130	41	14	23	22	25	23	25
131	41	33	23	23	25	23	25
132	41	52	23	22	25	23	24
133	42	11	23	23	24	24	24
134	42	30	23	23	24	23	25
135	42	49	24	22	25	23	25
136	43	8	24	23	25	22	25
137	43	27	23	23	25	23	25
138	43	46	23	22	24	23	25
139	44	5	23	22	25	22	24
140	44	24	23	23	25	22	25
141	44	43	23	22	25	23	24
142	45	2	23	22	25	23	25
143	45	21	23	22	25	24	25
144	45	40	22	22	25	24	25
145	45	59	23	22	25	21	23
146	46	18	24	23	25	21	

8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
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24	23	24	23	24	24	23	24	23
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23	23	23	24	24	22	22	24	24
23	25	22	27	24	22	24	23	24
23	25	23	29	25	22	24	24	23
22	25	24	29	24	22	23	24	24
22	24	24	29	24	22	24	22	24
23	25	24	28	25	23	22	23	24
23	25	23	28	26	22	24	24	24
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23	25	24	26	25	22	24	23	24
23	25	24	26	25	23	23	24	24
23	25	24	25	25	21	23	24	23
23	25	23	26	24	22	24	22	24
22	25	23	25	25	22	24	22	24
23	25	23	25	25	22	24	23	23
22	25	23	26	24	22	24	22	24
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22	25	23	25	24	22	23	22	23
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22	25	23	24	24	21	23	21	22
22	25	23	25	24	21	23	21	23
22	25	24	25	24	21	22	22	21
22	25	24	25	25	21	22	22	22
22	25	21	29	25	21	23	23	22
23	26	21	[illegible]	26	24	32	32	24

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
147	46	37	24	22	30	22	38
148	46	56	25	23	34	23	42
149	47	15	24	23	37	23	45
150	47	34	24	23	40	24	46
151	47	53	24	23	42	29	48
152	48	12	24	24	43	32	48
153	48	31	24	23	43	35	48
154	48	50	25	24	41	34	47
155	49	9	24	23	40	34	46
156	49	28	24	24	39	34	44
157	49	47	24	24	39	34	44
158	50	6	24	24	39	33	43
159	50	25	25	24	39	33	42
160	50	44	25	24	39	31	42
161	51	3	24	25	38	32	42
162	51	22	25	25	38	32	41
163	51	41	25	25	38	31	40
164	52	0	25	26	38	31	39
165	52	19	25	26	38	31	40
166	52	38	26	25	38	30	39
167	52	57	25	25	38	30	38
168	53	16	25	26	38	30	38
169	53	35	25	26	38	30	38
170	53	54	26	26	38	29	37
171	54	13	26	26	37	29	37
172	54	32	25	26	37	29	37
173	54	51	25	26	37	28	37
174	55	10	25	27	37	29	36
175	55	29	25	26	37	29	36
176	55	48	25	26	36	28	35
177	56	7	26	26	37	29	35
178	56	26	25	26	36	28	35
179	56	45	25	26	37	28	35
180	57	4	25	26	36	28	33
181	57	23	25	26	36	27	34
182	57	42	26	25	36	27	34
183	58	1	26	25	36	27	34
184	58	20	25	27	36	28	33
185	58	39	25	27	35	27	33
186	58	58	25	26	36	27	33
187	59	17	25	27	35	27	33
188	59	36	25	27	35	26	32
189	59	55	25	27	35	27	33
190	60	14	26	27	35	26	33
191	60	33	25	27	34	26	32
192	60	52	26	26	35	26	32
193	61	11	26	26	35	26	32
194	61	30	25	26	34	26	32
195	61	49	25	27	34	26	32
196	62	8	26	26	34	26	32

8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
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23	34	23	42	30	27	35	37	28
23	37	23	45	30	29	34	37	31
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23	42	29	48	32	28	29	31	31
24	43	32	48	32	26	27	29	31
23	43	35	48	32	26	27	29	30
24	41	34	47	31	25	27	29	30
23	40	34	46	31	25	28	27	31
24	39	34	44	32	26	26	29	30
24	39	34	44	32	26	26	29	29
24	39	33	43	31	25	27	28	30
24	39	33	42	31	25	27	28	30
24	39	31	42	31	25	26	29	30
25	38	32	42	31	25	26	27	30
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27	36	28	33	31	24	27	26	29
27	35	27	33	30	25	26	25	29
26	36	27	33	31	25	26	25	29
27	35	27	33	30	25	26	26	29
27	35	26	32	30	26	26	25	29
27	35	27	33	30	25	26	25	28
27	35	26	33	30	26	26	26	28
27	34	26	32	31	25	26	25	29
26	35	26	32	30	25	26	25	29
26	35	26	32	30	25	26	25	29
26	34	26	32	30	26	26	26	29
27	34	26	32	30	25	26	26	28
26	34	26	32	30	25	26	25	27

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
197	62	27	25	27	33	26	32
198	62	46	25	26	34	26	31
199	63	5	25	26	34	26	32
200	63	24	26	26	37	24	46
201	63	43	27	26	40	24	50
202	64	2	26	27	41	25	53
203	64	21	26	27	42	25	55
204	64	40	27	27	45	26	59
205	64	59	27	27	48	25	63
206	65	18	26	28	48	27	65
207	65	37	27	29	50	27	68
208	65	56	29	28	53	28	72
209	66	15	28	30	55	27	73
210	66	34	29	30	56	27	76
211	66	53	30	32	57	27	76
212	67	12	30	32	59	27	78
213	67	31	30	33	60	26	79
214	67	50	31	33	60	26	79
215	68	9	31	34	61	27	81
216	68	28	32	34	63	26	82
217	68	47	32	36	63	27	83
218	69	6	32	36	64	26	82
219	69	25	33	37	64	27	84
220	69	44	32	38	64	27	84
221	70	3	34	38	65	27	84
222	70	22	34	39	65	27	84
223	70	41	35	39	65	26	85
224	71	0	34	40	66	25	86
225	71	19	35	40	65	26	85
226	71	38	35	40	66	28	86
227	71	57	36	41	66	27	87
228	72	16	35	42	66	27	86
229	72	35	35	42	66	27	87
230	72	54	36	43	67	28	87
231	73	13	36	43	67	28	87
232	73	32	36	44	67	27	87
233	73	51	37	43	68	27	87
234	74	10	37	43	67	26	88
235	74	29	38	44	66	27	87
236	74	48	37	44	67	27	87
237	75	7	37	44	67	26	88
238	75	26	38	44	66	28	87
239	75	45	38	44	66	28	88
240	76	4	38	45	66	27	87
241	76	23	39	45	66	27	88
242	76	42	38	46	67	27	88
243	77	1	38	45	66	27	87
244	77	20	39	45	66	26	87
245	77	39	39	47	67	27	88
246	77	58	38	45	66	27	

8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
27	33	26	32	30	26	25	25	28
26	34	26	31	31	25	27	26	27
26	34	26	32	30	25	26	26	27
26	37	24	46	29	26	33	27	28
26	40	24	50	30	30	35	35	30
27	41	25	53	32	33	36	38	31
27	42	25	55	32	33	37	40	33
27	45	26	59	33	33	45	46	36
27	48	25	63	33	35	47	48	40
28	48	27	65	33	39	53	61	44
29	50	27	68	33	42	54	62	48
28	53	28	72	34	39	51	57	49
30	55	27	73	35	39	51	57	49
30	56	27	76	35	39	51	56	50
32	57	27	76	36	39	51	57	49
32	59	27	78	35	38	50	56	52
33	60	26	79	35	37	49	56	52
33	60	26	79	35	37	50	55	52
34	61	27	81	37	38	49	56	52
34	63	26	82	36	37	48	56	52
36	63	27	83	37	37	49	54	52
36	64	26	82	37	38	49	53	53
37	64	27	84	37	38	50	56	53
38	64	27	84	37	37	49	54	52
38	65	27	84	38	37	49	55	54
39	65	27	84	38	37	49	55	53
39	65	26	85	37	37	48	54	53
40	66	25	86	38	36	49	53	53
40	65	26	85	38	38	49	54	52
40	66	28	86	39	37	50	55	53
41	66	27	87	38	37	50	54	54
42	66	27	86	39	37	50	54	53
42	66	27	87	39	37	49	54	53
43	67	28	87	39	37	50	55	53
43	67	28	87	39	38	49	55	53
44	67	27	87	39	37	49	55	53
43	68	27	87	39	36	50	55	53
43	67	26	88	39	36	49	54	54
44	66	27	87	39	38	51	55	54
44	67	27	87	39	38	50	55	55
44	67	26	88	39	38	50	55	54
44	66	28	87	39	36	49	53	53
44	66	28	88	39	37	50	54	53
45	66	27	87	39	39	50	55	55
45	66	27	88	39	39	50	55	54
46	67	27	88	39	38	50	54	54
45	66	27	87	40	38	51	56	53
45	66	26	87	39	38	50	54	54
47	67	27	88	39	38	51	55	54
45	68	27	88	39	38	51	56	55

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
247	76	17	39	46	66	27	89
248	78	36	40	46	66	28	88
249	78	55	40	46	67	30	89
250	*	12	40	46	67	30	90
251	79	33	40	45	69	29	91
252	79	52	41	46	70	31	92
253	80	11	41	46	71	31	92
254	80	30	41	46	70	30	92
255	80	49	42	47	71	29	92
256	81	8	41	47	71	29	91
257	81	27	42	48	71	31	92
258	81	46	41	48	70	31	93
259	82	5	42	48	71	31	93
260	82	25	43	48	70	31	93
261	82	44	43	48	72	32	95
262	83	3	44	48	72	32	95
263	83	22	44	48	72	32	95
264	83	41	45	48	72	33	96
265	84	0	46	49	72	33	96
266	84	19	44	49	73	32	96
267	84	38	46	49	73	33	95
268	84	57	46	49	72	33	96
269	85	16	47	51	73	34	96
270	85	35	47	53	72	34	96
271	85	54	48	52	73	34	96
272	86	13	48	52	74	33	96
273	86	32	48	53	73	33	97
274	86	51	48	54	74	33	97
275	87	10	49	54	73	34	96
276	87	29	49	54	73	34	97
277	87	48	49	54	72	34	97
278	88	7	49	55	74	34	97
279	88	19	50	55	73	35	98
280	88	46	50	56	73	35	98
281	89	5	51	55	73	35	98
282	89	24	51	58	72	35	95
283	89	43	50	59	70	33	95
284	90	2	51	58	70	34	93
285	90	21	50	59	69	33	92
286	90	40	51	58	70	34	94
287	90	59	51	58	71	33	96
288	91	18	52	60	72	35	96
289	91	37	52	58	72	34	97
290	91	56	52	58	73	35	98
291	92	15	53	58	72	35	98
292	92	34	53	59	71	36	98
293	92	54	54	60	72	36	98
294	93	13	54	59	71	37	97
295	93	32	53	59	70	35	94
296	93	51	53	60	69	35	93

8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
46	66	27	89	39	38	50	54	55
46	66	28	88	38	43	56	64	58
46	67	30	89	37	44	58	69	58
46	67	30	90	35	44	59	70	59
45	69	29	91	35	45	60	68	60
46	70	31	92	35	45	60	71	60
46	71	31	92	37	40	54	60	58
46	70	30	92	38	43	53	59	59
47	71	29	92	38	42	54	59	58
47	71	29	91	38	40	55	59	56
48	71	31	92	38	45	59	67	58
48	70	31	93	36	48	61	72	61
48	71	31	93	35	47	63	73	62
48	70	31	93	35	47	63	73	63
48	72	32	95	34	45	63	72	62
48	72	32	95	34	44	64	71	58
48	72	32	95	34	45	63	73	58
48	72	33	96	35	49	64	74	63
49	72	33	96	34	48	64	74	63
49	73	32	96	34	49	64	78	66
49	73	33	95	35	48	65	77	66
49	72	33	96	34	51	65	*	67
51	73	34	96	35	49	65	78	68
53	72	34	96	35	51	65	80	67
52	73	34	96	34	51	64	78	68
52	74	33	96	35	51	65	77	69
53	73	33	97	34	52	66	78	68
54	74	33	97	35	52	66	78	69
54	73	34	96	34	53	65	79	69
54	73	34	97	35	53	66	78	68
54	72	34	97	34	53	67	80	69
55	74	34	97	33	50	69	80	69
55	73	35	98	33	52	71	81	69
56	73	35	98	34	48	71	82	69
55	73	35	98	34	50	63	73	70
58	72	35	95	37	47	59	64	69
59	70	35	95	38	47	58	64	67
58	70	34	93	39	48	58	63	64
59	69	33	92	39	45	58	64	64
58	70	34	94	35	54	69	80	66
58	71	33	96	35	48	71	80	64
60	72	35	96	34	50	71	81	67
58	72	34	97	33	48	72	80	68
58	73	35	98	33	51	72	81	69
58	72	35	98	33	50	72	82	69
59	71	36	98	33	49	72	81	68
60	72	36	98	34	48	73	81	66
59	71	37	97	35	48	61	69	68
59	70	35	94	37	45	59	64	65
60	69	35	93	38	45	59	63	63

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
297	94	10	53	61	69	34	93
298	94	29	53	60	70	34	92
299	94	48	53	60	71	33	93
300	95	7	53	58	70	34	94
301	95	26	53	59	73	36	96
302	95	45	54	58	72	37	98
303	96	4	53	58	71	38	99
304	96	23	53	59	72	38	99
305	96	42	54	59	73	38	100
306	97	2	55	61	74	39	101
307	97	21	55	62	73	38	98
308	97	40	54	63	73	36	97
309	97	59	55	63	72	36	96
310	98	18	55	63	70	35	95
311	98	37	55	63	69	34	94
312	98	56	55	63	69	34	93
313	99	15	55	63	69	34	92
314	99	34	55	63	71	33	93
315	99	53	54	63	70	35	92
316	100	12	54	64	71	35	92
317	100	31	54	64	71	34	93
318	100	51	55	62	71	34	94
319	101	10	54	61	72	36	97
320	101	29	54	63	72	37	98
321	101	48	56	62	73	38	99
322	102	7	56	62	73	38	100
323	102	26	56	61	72	38	100
324	102	45	57	62	73	38	100
325	103	4	56	63	72	40	97
326	103	23	56	63	72	37	97
327	103	42	56	64	71	36	96
328	104	1	56	64	70	36	95
329	104	20	55	64	70	36	94
330	104	39	56	64	69	35	92
331	104	59	57	64	69	35	93
332	105	18	55	64	70	35	92
333	105	37	55	65	70	35	92
334	105	56	56	64	71	35	93
335	106	15	55	64	71	35	92
336	106	34	55	64	71	34	92
337	106	53	55	63	71	34	93
338	107	12	55	63	72	34	93
339	107	31	54	63	71	34	92
340	107	51	53	63	71	35	92
341	108	10	54	63	71	33	92
342	108	29	54	63	71	33	93
343	108	48	53	63	72	33	93
344	109	7	53	63	71	33	92
345	109	44	53	61	70	32	92
346	110	31	53	61	70	33	

8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
61	69	34	93	39	44	59	64	63
60	70	34	92	39	45	59	64	63
60	71	33	93	39	47	60	67	63
58	70	34	94	35	47	69	79	63
59	73	36	96	34	52	73	84	64
58	72	37	98	33	51	73	85	69
58	71	38	99	32	53	74	88	69
59	72	38	99	32	52	75	89	72
59	73	38	100	33	53	76	88	73
61	74	39	101	33	55	75	87	75
62	73	38	98	35	53	64	76	74
63	73	36	97	37	49	63	67	71
63	72	36	96	38	46	60	67	65
63	70	35	95	38	46	60	65	64
63	69	34	94	38	45	60	64	63
63	69	34	93	38	46	59	64	62
63	69	34	92	38	45	58	66	61
63	71	33	93	39	45	60	66	62
63	70	35	92	39	45	58	67	62
64	71	35	92	40	44	59	66	61
64	71	34	93	39	47	59	*	63
62	71	34	94	37	54	68	80	66
61	72	36	97	35	48	73	84	67
63	72	37	98	34	49	73	82	68
62	73	38	99	33	56	73	*	69
62	73	38	100	33	56	73	88	71
61	72	38	100	33	54	74	87	73
62	73	38	100	33	52	75	87	72
63	72	40	97	35	54	64	75	73
63	72	37	97	37	49	62	67	71
64	71	36	96	38	48	60	67	67
64	70	36	95	39	47	60	65	65
64	70	36	94	39	47	60	65	64
64	69	35	92	40	47	59	64	62
64	69	35	93	40	48	59	63	61
64	70	35	92	41	47	58	63	60
65	70	35	92	41	45	58	63	60
64	71	35	93	40	47	58	64	60
64	71	35	92	41	45	58	62	59
64	71	34	92	41	44	58	61	59
63	71	34	93	40	44	58	61	57
63	72	34	93	41	46	57	62	58
63	71	34	92	41	45	56	61	59
63	71	35	92	42	44	58	61	58
63	71	33	92	41	45	57	61	58
63	71	33	93	42	45	58	61	59
63	72	33	93	42	44	57	62	58
63	71	33	92	41	43	56	60	58
61	70	32	92	41	44	55	59	62
61	70	33	92	42	44	56	60	60

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
347	110	50	54	61	71	35	90
348	111	9	53	61	72	40	90
349	111	28	53	61	72	46	87
350	111	47	53	61	73	50	86
351	112	6	53	60	72	55	85
352	112	25	54	60	71	56	83
353	112	45	53	60	71	56	81
354	113	4	53	60	70	56	81
355	113	23	53	60	70	55	80
356	113	42	54	60	70	55	79
357	*	*	*	*	*	*	*

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8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
61	71	35	90	42	43	46	51	59
61	72	40	90	44	42	40	45	54
61	72	46	87	46	36	37	39	51
61	73	50	86	45	35	35	39	49
60	72	55	85	46	35	36	39	48
60	71	56	83	45	36	36	40	47
60	71	56	81	46	36	37	41	45
60	70	56	81	47	36	38	40	46
60	70	55	80	46	36	39	40	45
60	70	55	79	46	36	39	40	45
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
1	17	1	24	26	26	25	25
2	0	40	25	25	26	25	25
3	0	59	26	25	25	25	25
4	1	18	26	27	25	24	24
5	18	17	25	26	25	25	24
6	18	36	24	25	25	25	25
7	18	55	26	27	26	25	26
8	19	14	24	25	25	25	25
9	19	34	24	25	24	25	24
10	19	53	25	25	25	25	25
11	3	32	25	27	28	26	25
12	20	31	25	25	25	25	25
13	20	50	24	25	25	25	25
14	21	9	24	25	25	25	25
15	21	28	25	25	25	25	25
16	21	47	24	24	25	25	24
17	22	6	24	25	24	24	24
18	22	25	25	28	27	26	25
19	22	44	25	26	25	24	25
20	6	23	25	24	25	25	26
21	23	22	24	25	25	25	24
22	23	41	25	25	25	25	25
23	24	0	25	26	25	24	25
24	7	39	25	25	27	25	25
25	24	38	24	24	26	25	25
26	24	57	25	25	24	24	24
27	25	16	25	24	25	24	25
28	25	35	24	25	24	25	24
29	25	54	25	25	25	25	24
30	9	33	25	25	26	25	24
31	26	32	24	25	25	24	24
32	26	51	24	25	25	25	24
33	27	10	24	25	25	25	25
34	27	29	24	25	25	25	24
35	27	48	24	25	24	25	24
36	28	7	24	24	25	25	25
37	28	26	24	25	25	25	24
38	28	45	25	25	25	24	25
39	29	4	25	25	25	24	25
40	29	23	25	25	25	25	24
41	29	42	25	24	25	25	24
42	30	1	26	27	28	25	24
43	30	20	25	25	25	24	24
44	13	59	25	24	25	25	
45	30	58	24	25	25	24	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

8-16 ENG.2 COMPRS CSE STG.4 4.30 EG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
26	26	25	25	25	25	24	25	25
25	26	25	25	24	25	24	25	26
25	25	25	25	24	26	25	25	25
27	25	24	24	26	25	26	26	29
26	25	25	24	25	26	24	26	25
25	25	25	25	25	25	24	24	24
27	26	25	26	25	27	25	25	27
25	25	25	25	26	25	24	24	25
25	24	25	24	25	25	24	24	24
25	25	25	25	24	26	25	25	26
27	26	26	25	26	28	24	25	28
25	25	25	25	24	26	24	24	25
25	25	25	25	25	26	24	25	24
25	25	25	25	25	26	24	24	24
25	25	25	25	24	25	24	24	25
24	25	25	24	24	26	24	25	25
25	24	24	24	25	25	24	24	24
28	27	26	25	25	26	24	25	28
26	25	24	25	25	25	25	24	25
24	25	25	26	24	25	24	25	25
25	25	25	24	25	25	25	24	25
25	25	25	25	25	25	25	24	25
26	25	24	25	25	26	24	24	25
25	27	25	25	25	29	26	24	25
24	26	25	25	24	25	24	25	25
25	24	24	24	25	24	24	25	25
24	25	24	25	24	26	24	24	25
25	24	25	24	24	25	24	24	25
25	25	25	24	24	25	24	24	25
25	26	25	24	25	25	24	25	25
25	25	24	24	25	24	25	25	25
25	26	25	24	24	25	24	24	25
25	25	25	25	25	25	24	25	24
25	25	25	24	25	25	24	25	24
25	24	25	24	25	25	24	25	25
24	25	25	25	24	26	24	25	25
25	25	25	24	25	25	24	25	24
25	25	24	25	24	25	24	24	25
25	25	24	25	24	25	25	24	25
25	25	25	24	25	25	24	25	25
24	25	25	24	24	25	24	25	25
27	28	25	24	25	26	24	24	25
25	25	24	24	25	26	24	24	25
24	25	25		24	25	24	24	25
25	25	24		24	25	24	24	25

2

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
46	31	17	24	25	25	25	24
47	31	36	24	25	24	24	24
48	15	15	24	24	25	24	25
49	32	14	24	24	25	25	24
50	15	53	24	24	24	24	24
51	32	52	24	25	24	25	24
52	33	11	24	25	24	24	24
53	16	50	24	24	25	24	24
54	17	9	24	24	24	24	24
55	17	28	24	25	24	24	24
56	17	47	25	24	24	24	25
57	18	6	24	25	24	24	24
58	18	25	24	24	24	24	24
59	18	44	25	25	25	24	24
60	19	3	25	25	25	24	24
61	19	22	24	25	25	25	24
62	19	41	24	24	25	24	24
63	20	0	24	24	24	24	24
64	20	19	24	24	24	24	24
65	20	38	24	24	25	25	24
66	20	57	24	24	24	24	24
67	21	16	24	24	24	24	24
68	21	35	24	24	24	24	24
69	21	54	24	24	25	24	24
70	22	13	24	24	24	24	24
71	22	32	24	24	24	24	24
72	22	51	24	24	24	24	24
73	23	10	24	24	24	24	24
74	23	29	24	24	24	24	24
75	23	48	23	25	25	24	25
76	24	7	24	24	24	24	24
77	24	27	24	24	24	24	24
78	24	46	24	24	24	24	23
79	25	5	24	24	24	24	24
80	25	24	24	24	24	25	24
81	25	43	24	24	24	24	24
82	26	2	24	24	24	24	24
83	26	21	24	24	24	24	24
84	26	40	24	24	24	24	24
85	26	59	24	24	24	24	24
86	27	18	24	24	24	24	24
87	27	37	24	24	24	24	24
88	27	56	23	24	24	24	23
89	28	15	24	23	25	23	24
90	28	53	24	24	24	24	24
92	29	12	23	24	23	24	23
93	29	31	24	24	25	24	24
94	29	50	24	24	25	23	24
95	30	9	24	23	25	24	24
96	30	28	24	23	24	23	24

8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
25	25	25	24	24	25	24	25	24
25	24	24	24	24	25	24	24	24
24	25	24	25	24	25	24	24	25
24	25	25	24	24	25	24	24	24
24	24	24	24	24	25	24	24	25
25	24	25	24	25	25	23	24	24
25	24	24	24	24	25	23	25	24
24	25	24	24	24	25	23	25	24
24	24	24	24	24	25	24	24	24
25	24	24	24	24	25	23	24	24
24	24	24	25	24	25	23	24	25
25	24	24	24	24	25	23	24	24
24	24	24	24	25	25	23	24	24
25	25	24	24	24	25	23	24	25
25	25	24	24	24	25	23	24	25
25	25	25	24	24	26	24	25	24
24	25	24	24	24	25	24	24	25
24	24	24	24	24	25	23	24	25
24	24	24	24	24	25	23	24	25
24	25	25	24	24	25	24	24	24
24	24	24	24	24	25	23	24	25
24	24	24	24	24	25	23	24	24
24	24	24	24	24	24	24	24	25
24	25	24	24	24	25	23	24	25
24	24	24	24	24	26	23	24	25
24	24	24	24	24	25	23	24	25
24	24	24	24	24	25	24	24	25
24	24	24	24	24	25	23	24	24
24	24	24	24	24	25	23	24	24
25	25	24	25	23	26	23	24	25
24	24	24	24	23	25	21	24	24
24	26	24	24	24	25	23	25	24
24	24	24	23	24	25	24	24	24
24	24	24	24	24	25	23	24	24
24	24	25	24	24	24	23	24	24
24	24	24	24	24	25	23	24	24
24	24	26	24	24	25	23	24	24
24	24	24	24	23	25	24	23	25
24	24	24	24	24	25	23	24	25
24	24	24	24	23	25	23	24	24
24	24	24	24	24	24	23	24	24
24	24	24	24	24	26	21	25	24
24	24	24	23	24	24	22	24	24
23	25	23	24	24	25	22	24	24
24	24	24	24	24	25	21	24	24
24	23	24	23	24	24	22	24	24
24	25	24	24	24	25	22	24	24
24	25	23	24	23	25	23	24	24
23	25	24	24	24	25	22	24	24
23	24	23	24	24	25	22	24	24

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
97	30	47	24	24	24	24	24
98	31	6	23	24	24	25	22
99	31	25	24	24	24	24	24
100	31	44	24	23	24	23	24
101	32	3	24	24	24	24	24
102	32	22	24	24	24	24	24
103	32	41	23	24	24	24	24
104	33	0	24	24	24	24	24
105	33	19	24	24	24	24	24
106	33	38	23	24	24	23	24
107	33	57	23	23	24	24	23
108	34	16	23	23	24	24	23
109	34	35	24	23	24	24	23
110	34	54	24	23	23	24	23
111	35	13	22	24	24	24	24
112	35	32	24	24	24	23	24
113	35	51	24	24	25	24	24
114	36	10	23	24	24	24	24
115	36	29	24	24	24	25	24
116	36	48	24	24	23	24	24
117	37	7	24	24	23	24	24
118	37	26	24	24	24	24	24
119	37	45	24	23	24	24	24
120	38	4	24	24	24	24	24
121	38	23	24	24	24	24	24
122	38	42	24	23	24	24	24
123	39	1	24	24	24	24	24
124	39	20	24	24	24	24	25
125	39	39	24	24	24	23	24
126	39	58	24	24	24	24	24
127	40	17	24	23	24	24	24
128	40	36	24	23	24	23	23
129	40	55	23	23	24	24	23
130	41	14	24	23	23	24	23
131	41	33	24	22	24	23	23
132	41	52	24	22	23	23	22
133	42	11	23	23	23	22	23
134	42	30	23	23	22	23	21
135	42	49	23	24	23	23	22
136	43	8	24	22	23	24	22
137	43	27	23	23	23	23	23
138	43	46	23	22	24	23	21
139	44	5	23	22	23	23	22
140	44	24	22	22	23	23	22
141	44	43	23	22	22	22	23
142	45	2	24	22	23	22	22
143	45	21	22	22	22	23	22
144	45	40	24	21	22	22	24
145	45	59	24	23	23	22	22
146	46	18	32	32	34	24	24

8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
24	24	24	24	24	24	22	24	24
24	24	25	22	24	24	22	24	24
24	24	24	24	24	25	23	23	25
23	24	23	24	23	24	23	23	25
24	24	24	24	23	25	22	24	24
24	24	24	24	24	25	22	24	24
24	24	24	24	24	25	23	24	24
24	24	24	24	24	24	22	24	24
24	24	24	24	24	25	22	23	25
24	24	23	24	24	24	22	24	23
23	24	24	23	24	24	22	23	24
23	24	24	23	24	24	22	23	24
23	24	24	23	24	24	21	24	24
23	23	24	23	24	24	21	23	24
24	24	24	24	24	24	22	24	24
24	24	23	24	23	25	21	23	28
24	25	24	24	24	26	21	23	29
24	24	24	24	25	26	22	23	29
24	24	25	24	25	25	22	23	27
24	23	24	24	24	25	22	23	27
24	23	24	24	24	26	21	23	27
24	24	24	24	24	26	22	23	27
23	24	24	24	24	26	21	24	26
24	24	24	24	23	25	22	24	27
24	24	24	24	25	25	22	24	26
23	24	24	24	24	26	21	24	26
24	24	24	24	24	26	22	23	26
24	24	24	25	24	26	23	24	27
24	24	23	24	24	26	22	24	26
24	24	24	24	24	26	23	23	26
23	24	24	24	23	25	22	24	26
23	24	23	23	24	26	22	23	25
23	24	24	23	24	25	22	23	25
23	23	24	23	24	25	22	24	25
22	24	23	23	23	26	21	23	24
22	23	23	22	24	26	21	24	24
23	23	22	23	24	25	22	23	25
23	22	23	21	23	25	22	23	24
24	23	23	22	24	25	22	23	24
22	23	24	22	23	25	21	23	25
23	23	23	23	24	25	22	23	24
22	24	23	21	23	25	22	23	24
22	23	23	22	23	25	22	24	24
22	23	23	22	24	25	21	24	24
22	22	22	23	23	25	21	23	24
22	23	22	22	23	25	20	24	24
22	22	23	22	24	25	22	22	24
21	22	22	24	23	26	21	23	25
23	23	22	22	23	27	21	23	28
32	34	24	26	26	61	20	22	33

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
147	46	37	38	38	41	30	29
148	46	56	40	40	42	35	33
149	47	15	41	41	43	38	37
150	47	34	42	40	43	41	40
151	47	53	35	34	35	41	42
152	48	12	32	32	32	39	39
153	48	31	31	31	31	36	37
154	48	50	31	31	31	35	36
155	49	9	30	31	32	35	35
156	49	28	31	31	30	34	35
157	49	47	31	29	30	33	34
158	50	6	30	30	30	33	33
159	50	25	30	29	30	33	33
160	50	44	31	28	30	33	32
161	51	3	31	29	29	32	33
162	51	22	30	28	29	32	32
163	51	41	31	29	29	32	32
164	52	0	30	28	27	31	32
165	52	19	30	29	29	31	32
166	52	38	30	28	28	32	31
167	52	57	29	27	28	31	31
168	53	16	30	29	27	31	31
169	53	35	30	28	27	30	31
170	53	54	30	28	27	30	31
171	54	13	29	27	28	30	30
172	54	32	30	26	27	30	30
173	54	51	29	27	26	30	29
174	55	10	30	27	26	29	29
175	55	29	29	26	27	29	30
176	55	48	29	27	26	29	29
177	56	7	29	27	26	29	29
178	56	26	29	27	26	28	29
179	56	45	29	26	26	29	28
180	57	4	29	26	26	28	28
181	57	23	28	27	26	28	28
182	57	42	29	26	25	29	28
183	58	1	28	26	25	28	27
184	58	20	28	26	25	27	28
185	58	39	28	26	25	27	27
186	58	58	28	25	26	27	28
187	59	17	27	26	25	28	27
188	59	36	27	26	25	27	27
189	59	55	28	27	25	27	27
190	60	14	28	25	25	27	27
191	60	33	28	26	25	27	28
192	60	52	28	26	25	27	27
193	61	11	28	25	26	27	28
194	61	30	28	26	25	27	27
195	61	49	27	26	25	28	27
196	62	8	27	25	25	27	28

8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
38	41	30	29	32	111	20	23	37
40	42	35	33	38	145	20	22	42
41	43	38	37	42	165	20	23	46
40	43	41	40	43	177	20	22	49
34	35	41	42	42	185	21	23	49
32	32	39	39	38	186	21	23	48
31	31	36	37	36	184	21	24	47
31	31	35	36	35	184	21	24	45
31	32	35	35	35	181	22	24	45
31	30	34	35	34	178	22	24	44
29	30	33	34	34	176	22	24	44
30	30	33	33	33	174	22	24	43
29	30	33	33	33	172	21	25	42
28	30	33	32	33	170	22	25	42
29	29	32	33	33	168	22	25	40
28	29	32	32	33	165	22	25	40
29	29	32	32	32	164	24	24	40
28	27	31	32	32	162	23	24	40
29	29	31	32	32	161	23	25	39
28	28	32	31	32	159	23	25	38
27	28	31	31	31	158	22	25	38
29	27	31	31	32	155	22	26	37
28	27	30	31	31	154	22	25	37
28	27	30	31	31	152	22	25	37
27	28	30	30	31	151	22	26	36
26	27	30	30	31	149	22	25	37
27	26	30	29	31	147	22	25	36
27	26	29	29	31	145	22	25	36
26	27	29	30	30	145	22	25	35
27	26	29	29	30	143	21	25	34
27	26	29	29	31	142	21	25	34
27	26	28	29	30	140	21	24	34
26	26	29	28	30	139	21	25	34
26	26	28	28	30	138	21	24	34
27	26	28	28	30	135	22	24	34
26	25	29	28	30	134	22	24	34
26	25	28	27	30	132	22	24	33
26	25	27	28	29	132	21	24	33
26	25	27	27	30	129	21	24	32
25	26	27	28	29	129	20	24	32
26	25	28	27	30	127	21	24	32
26	25	27	27	29	126	21	24	32
27	25	27	27	29	125	21	24	32
25	25	27	27	29	124	23	24	32
26	25	27	28	29	123	24	24	32
26	25	27	27	29	121	26	24	31
25	26	27	28	29	120	28	24	32
26	25	27	27	29	119	29	24	32
26	25	28	27	29	116	25	25	32
25	25	27	28	29	115	24	26	31

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
197	62	27	28	25	25	28	27
198	62	46	28	25	26	27	27
199	63	5	27	25	25	26	28
200	63	24	28	27	26	26	26
201	63	43	37	37	39	29	29
202	64	2	42	42	43	34	34
203	64	21	44	43	45	38	39
204	64	40	54	53	55	45	43
205	64	59	59	57	60	53	51
206	65	18	76	70	76	64	60
207	65	37	83	76	81	80	76
208	65	56	86	70	75	87	83
209	66	15	85	69	73	88	85
210	66	34	84	70	73	86	83
211	66	53	85	69	73	87	85
212	67	12	84	69	72	86	83
213	67	31	84	68	71	86	84
214	67	50	83	69	72	87	84
215	68	9	85	68	72	85	83
216	68	28	84	69	71	87	84
217	68	47	84	67	71	86	83
218	69	6	80	67	69	84	82
219	69	25	83	69	71	83	81
220	69	44	83	68	71	84	82
221	70	3	84	67	71	85	82
222	70	22	84	67	71	84	82
223	70	41	84	66	70	84	81
224	71	0	83	66	69	84	80
225	71	19	84	66	69	84	81
226	71	38	84	67	71	83	80
227	71	57	83	66	70	84	80
228	72	16	84	67	70	83	80
229	72	35	84	67	70	83	80
230	72	54	85	67	71	84	82
231	73	13	85	66	71	85	82
232	73	32	84	67	69	84	80
233	73	51	84	66	70	83	80
234	74	10	82	66	70	83	81
235	74	29	83	67	70	83	81
236	74	48	83	67	70	83	80
237	75	7	84	67	70	83	80
238	75	26	82	66	69	82	80
239	75	45	84	66	69	82	78
240	76	4	83	68	71	83	81
241	76	23	83	67	70	82	80
242	76	42	83	67	70	83	79
243	77	1	84	67	70	82	80
244	77	20	83	67	71	83	79
245	77	39	84	67	71	83	81
246	77	58	83	67	71	83	

8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
25	25	28	27	29	114	24	25	30
25	26	27	27	28	112	24	23	30
25	25	26	28	29	111	24	24	31
27	26	26	26	27	104	22	26	46
37	39	29	29	30	117	21	27	50
42	43	34	34	38	145	22	26	53
43	45	38	39	42	168	22	27	56
53	55	45	43	48	205	21	27	60
57	60	53	51	59	225	20	27	61
70	76	64	60	73	271	19	30	66
76	81	80	76	96	292	20	31	70
70	75	87	83	103	284	19	32	72
69	73	88	85	102	277	19	32	74
70	73	86	83	100	276	19	34	77
69	73	87	85	99	277	18	34	77
69	72	86	83	100	278	18	34	79
68	71	86	84	100	274	19	36	80
69	72	87	84	100	275	17	37	80
68	72	85	83	100	274	19	39	80
69	71	87	84	100	275	19	39	81
67	71	86	83	100	273	17	41	82
67	69	84	82	94	269	18	42	83
69	71	83	81	96	273	19	41	83
68	71	84	82	97	272	18	42	84
67	71	85	82	96	272	18	41	85
67	71	84	82	96	272	19	42	85
66	70	84	81	95	271	17	42	85
66	69	84	80	96	270	16	41	86
66	69	84	81	95	270	18	42	85
67	71	83	80	96	272	20	44	86
68	70	84	80	97	271	17	44	87
67	70	83	80	96	271	18	45	87
67	70	83	80	96	272	18	45	87
67	71	84	82	96	272	19	46	88
68	71	85	82	97	271	19	45	88
67	69	84	80	97	271	19	43	88
66	70	83	80	95	272	17	44	88
66	70	83	81	94	270	17	43	89
67	70	83	81	94	270	19	42	87
67	70	83	80	95	271	19	43	87
67	70	83	80	94	271	18	41	87
66	69	82	80	93	269	17	41	88
66	69	82	78	93	270	19	42	87
68	71	83	81	94	271	18	43	87
67	70	82	80	95	270	18	42	87
67	70	83	79	95	270	18	43	88
67	70	82	80	95	271	18	42	88
67	71	83	79	94	271	17	42	87
67	71	83	81	95	270	19	45	87
67	71	83	80	96	271	16	43	87

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
247	78	17	83	68	71	84	80
248	78	36	86	77	82	88	86
249	78	55	92	85	88	94	91
250	*	12	93	86	91	101	97
251	79	33	92	87	90	104	99
252	79	52	94	88	91	106	100
253	80	11	91	75	78	103	98
254	80	30	88	73	77	97	93
255	80	49	88	73	76	95	88
256	81	8	88	71	76	92	87
257	81	27	90	80	85	92	90
258	81	46	95	87	92	99	97
259	82	5	95	89	93	104	101
260	82	25	96	90	94	108	104
261	82	44	96	90	93	110	106
262	83	3	96	90	94	107	102
263	83	22	96	90	94	108	103
264	83	41	97	92	96	112	106
265	84	0	96	92	95	112	106
266	84	19	98	93	96	115	109
267	84	38	99	93	97	116	110
268	84	57	100	94	98	117	112
269	85	16	100	94	97	119	113
270	85	35	100	95	97	117	113
271	85	54	100	95	97	117	113
272	86	13	100	95	97	118	114
273	86	32	101	95	98	119	113
274	86	51	100	96	97	119	113
275	87	10	101	96	98	119	114
276	87	29	100	95	98	118	114
277	87	48	102	96	99	118	114
278	88	7	104	98	103	119	115
279	88	19	107	101	106	122	116
280	88	46	109	101	105	122	118
281	89	5	104	92	95	125	118
282	89	24	98	80	83	116	112
283	89	43	96	78	80	106	102
284	90	2	94	77	80	102	97
285	90	21	93	78	80	98	94
286	90	40	102	97	101	105	102
287	90	59	104	98	104	112	107
288	91	18	107	100	105	119	114
289	91	37	107	101	106	122	115
290	91	56	109	101	106	124	117
291	92	15	108	101	106	126	118
292	92	34	108	102	106	123	116
293	92	54	109	101	107	122	115
294	93	13	102	87	88	123	115
295	93	32	97	79	80	113	106
296	93	51	94	79	82	105	99

8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
68	71	84	80	95	271	17	42	88
77	82	88	86	101	291	18	40	88
85	88	94	91	108	313	19	43	89
86	91	101	97	116	320	20	47	90
87	90	104	99	117	320	19	48	92
88	91	106	100	121	324	21	48	93
75	78	103	98	116	301	20	49	93
73	77	97	93	109	288	21	52	92
73	76	95	88	106	284	19	50	91
71	76	92	87	104	281	20	50	92
80	85	92	90	104	297	20	46	92
87	92	99	97	113	316	21	46	93
89	93	104	101	119	326	20	47	93
90	94	108	104	122	331	21	48	94
90	93	110	106	124	334	20	49	94
90	94	107	102	124	334	21	49	95
90	94	108	103	124	332	23	49	96
92	96	112	106	126	332	23	50	96
92	95	112	106	125	333	21	51	96
93	96	115	109	127	335	22	52	96
93	97	116	110	127	338	24	51	96
94	98	117	112	127	337	23	52	96
94	97	119	113	128	339	23	51	96
95	97	117	113	130	339	22	52	97
95	97	117	113	129	338	22	53	97
95	97	118	114	129	338	21	53	97
95	98	119	113	129	338	22	51	97
96	97	119	113	129	338	23	52	97
96	98	119	114	129	338	23	53	97
95	98	118	114	129	337	23	53	97
96	99	118	114	129	342	24	53	97
98	103	119	115	131	364	23	52	98
101	106	122	116	135	378	25	55	99
101	105	122	118	137	382	24	55	100
92	95	125	118	139	362	24	60	98
80	83	116	112	126	320	24	59	97
78	80	106	102	117	300	25	60	96
77	80	102	97	111	293	24	56	94
78	80	98	94	108	292	22	53	94
97	101	105	102	116	349	24	52	94
98	104	112	107	129	376	23	51	96
100	105	119	114	133	380	24	54	97
101	106	122	115	137	383	24	54	97
101	106	124	117	138	384	25	55	98
101	106	126	118	139	383	24	57	98
102	106	123	116	139	385	25	57	99
101	107	122	115	139	384	26	58	98
87	88	123	115	135	342	24	58	97
79	80	113	106	123	309	24	56	94
79	82	105	99	116	298	24	54	93

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	6-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	6-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	6-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	6-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
297	94	10	94	79	82	101	96
298	94	29	93	78	80	100	94
299	94	48	93	83	85	99	93
300	95	7	101	96	100	105	98
301	95	26	108	102	107	114	108
302	95	45	113	106	110	124	116
303	96	4	114	107	113	129	121
304	96	23	116	109	114	131	125
305	96	42	116	109	114	134	129
306	97	2	117	108	113	137	130
307	97	21	105	91	92	132	128
308	97	40	99	85	87	120	116
309	97	59	96	82	84	111	104
310	98	18	94	81	83	105	100
311	98	37	94	80	82	103	96
312	98	56	93	80	82	101	94
313	99	15	93	80	82	99	93
314	99	34	93	80	83	99	93
315	99	53	92	80	82	99	93
316	100	12	93	80	83	100	93
317	100	31	92	82	85	100	96
318	100	51	100	95	99	105	102
319	101	10	110	103	108	115	110
320	101	29	111	104	109	121	116
321	101	48	113	106	111	127	121
322	102	7	113	107	111	131	125
323	102	26	114	107	112	134	128
324	102	45	114	107	113	132	126
325	103	4	107	93	95	132	127
326	103	23	101	83	86	121	116
327	103	42	97	81	82	110	104
328	104	1	96	79	82	103	98
329	104	20	95	78	83	100	96
330	104	39	94	78	81	98	92
331	104	59	93	78	80	96	92
332	105	18	92	75	79	95	90
333	105	37	91	75	79	93	89
334	105	56	92	76	78	93	88
335	106	15	92	75	78	92	87
336	106	34	89	76	78	93	87
337	106	53	91	75	78	92	88
338	107	12	90	74	78	91	87
339	107	31	90	75	78	92	87
340	107	51	91	75	79	92	87
341	108	10	89	75	78	92	87
342	108	29	89	75	78	91	86
343	108	48	91	74	78	90	87
344	109	7	89	73	76	89	87
345	109	44	89	73	76	90	87
346	110	31	89	72	77	88	87

8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
79	82	101	96	113	299	23	53	92
78	80	100	94	111	293	25	52	94
83	85	99	93	111	301	23	51	93
96	100	105	98	120	356	24	53	94
102	107	114	108	131	391	24	54	97
106	110	124	116	139	405	24	55	100
107	113	129	121	143	409	26	56	100
109	114	131	125	146	410	25	56	100
109	114	134	129	148	412	25	59	101
108	113	137	130	150	407	26	60	102
91	92	132	126	141	350	27	61	100
85	87	120	116	130	320	26	59	97
82	84	111	104	124	307	25	58	96
81	83	105	100	120	302	25	59	95
80	82	103	96	117	299	24	57	94
80	82	101	94	116	297	24	55	93
80	82	99	93	115	296	24	55	92
80	83	99	93	114	296	24	54	92
80	82	99	93	115	296	25	54	93
80	83	100	93	115	297	24	53	94
82	85	100	96	113	298	25	53	93
95	99	105	102	118	345	24	52	94
103	108	115	110	131	391	24	54	97
104	109	121	116	139	398	24	54	98
106	111	127	121	142	401	25	57	100
107	111	131	125	145	402	25	59	100
107	112	134	126	147	403	26	58	100
107	113	132	126	147	403	26	59	100
93	95	132	127	144	363	28	60	99
83	86	121	116	129	321	26	62	96
81	82	110	104	119	304	25	61	96
79	82	103	98	115	296	25	58	95
78	83	100	96	111	293	26	59	94
78	81	98	92	110	291	24	58	93
78	80	96	92	109	290	25	56	92
75	79	95	90	106	285	25	56	92
75	79	93	89	104	282	24	55	92
76	78	93	88	103	282	25	57	92
75	78	92	87	102	282	24	54	93
76	78	93	87	101	281	24	55	92
75	78	92	88	102	280	23	54	91
74	78	91	87	102	280	24	54	92
75	78	92	87	101	280	25	55	93
75	79	92	87	101	279	23	54	92
75	78	92	87	101	279	23	55	92
75	78	91	86	101	280	24	54	93
74	78	90	87	101	279	21	53	92
73	76	89	87	100	277	23	51	92
73	76	90	87	99	278	22	50	92
72	77	88	86	98	278	23	49	92

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-1 ENG. COMPR CS STG. 4.3 DEG.
347	110	50	71	62	63	86	84
348	111	9	59	54	53	77	80
349	111	28	50	47	46	69	72
350	111	47	48	45	45	63	64
351	112	6	48	45	47	59	60
352	112	25	48	47	46	57	57
353	112	45	48	47	48	55	56
354	113	4	48	46	48	55	55
355	113	23	48	47	48	55	54
356	113	42	48	46	48	55	54
357	*	*	*	*	*	*	*

8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
62	63	86	84	94	263	29	62	90
54	53	77	80	78	255	30	70	90
47	46	69	72	66	258	32	75	87
45	45	63	64	59	257	37	69	86
45	47	59	60	54	256	32	63	85
47	46	57	57	54	254	34	59	84
47	48	55	56	53	250	36	58	83
46	48	55	55	53	247	32	59	83
47	48	55	54	51	245	31	59	83
46	48	55	54	51	242	31	59	82
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
1 JULY 1970
RUN NO. 22 +70 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
1	17	1	25	25	25
2	0	40	25	25	25
3	0	59	25	25	25
4	1	18	25	24	29
5	18	17	26	25	25
6	18	36	25	24	25
7	18	55	29	27	28
8	19	14	25	24	25
9	19	34	26	25	26
10	19	53	25	25	25
11	3	32	26	25	29
12	20	31	25	25	24
13	20	50	25	25	25
14	21	9	25	25	24
15	21	28	25	25	26
16	21	47	25	25	24
17	22	6	25	25	25
18	22	25	28	30	28
19	22	44	25	24	25
20	6	23	25	25	25
21	23	22	25	24	25
22	23	41	25	25	25
23	24	0	25	25	25
24	7	39	26	25	25
25	24	38	25	25	25
26	24	57	25	24	25
27	25	16	25	25	24
28	25	35	25	24	25
29	25	54	24	25	25
30	9	33	25	25	24
31	26	32	26	24	25
32	26	51	25	25	24
33	27	10	24	25	24
34	27	29	25	25	25
35	27	48	25	25	25
36	28	7	25	24	25
37	28	26	25	25	25
38	28	45	25	25	25
39	29	4	26	25	25
40	29	23	25	24	24
41	29	42	25	25	25
42	30	1	25	25	27
43	30	20	25	25	25
44	13	59	24	25	25
45	30	58	25	25	25

-01 SWEEP COUNT	0-02 TIME MIN.	0-03 TIME SEC.	0-26 ENG.2 POWER TURB CASE 0.00 DEG.C	0-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	0-28 ENG.2 T5 HRNESS TEMP DEG.C
46	31	17	25	25	25
47	31	36	25	24	25
48	15	15	25	25	25
49	32	14	25	25	25
50	15	53	25	25	25
51	32	52	25	24	25
52	33	11	25	24	25
53	16	50	25	25	25
54	17	9	25	25	25
55	17	28	25	24	25
56	17	47	25	24	25
57	18	6	25	24	25
58	18	25	25	24	25
59	18	44	25	25	26
60	19	3	25	25	25
61	19	22	25	25	24
62	19	41	25	25	25
63	20	0	25	25	25
64	20	19	25	24	25
65	20	38	25	25	24
66	20	57	25	24	25
67	21	16	25	25	25
68	21	35	25	24	25
69	21	54	25	24	24
70	22	13	24	24	24
71	22	32	25	24	25
72	22	51	25	24	25
73	23	10	25	24	24
74	23	29	25	24	25
75	23	48	24	25	25
76	24	7	25	24	24
77	24	27	24	24	25
78	24	46	24	24	25
79	25	5	25	24	24
80	25	24	25	25	24
81	25	43	25	24	25
82	26	2	24	25	24
83	26	21	24	25	24
84	26	40	24	24	24
85	26	59	25	24	24
86	27	18	25	25	25
87	27	37	24	24	24
88	27	56	25	24	24
89	28	15	24	24	24
90	28	53	24	24	25
92	29	12	25	24	24
93	29	31	25	24	24
94	29	50	24	24	24
95	30	9	25	25	24
96	30	28	24	25	24

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
97	30	47	24	24	24
98	31	6	25	24	24
99	31	25	24	24	24
100	31	44	24	24	24
101	32	3	24	24	24
102	32	22	25	24	24
103	32	41	25	24	24
104	33	0	25	24	24
105	33	19	24	24	24
106	33	38	25	24	24
107	33	57	25	24	24
108	34	16	25	24	24
109	34	35	24	24	24
110	34	54	25	24	24
111	35	13	25	24	24
112	35	32	25	27	24
113	35	51	24	28	24
114	36	10	25	27	24
115	36	29	25	27	24
116	36	48	26	27	24
117	37	7	25	27	24
118	37	26	26	26	24
119	37	45	26	28	24
120	38	4	26	26	25
121	38	23	26	26	24
122	38	42	26	26	24
123	39	1	26	27	24
124	39	20	26	27	24
125	39	39	27	26	24
126	39	58	25	27	23
127	40	17	26	25	24
128	40	36	26	26	24
129	40	55	27	26	24
130	41	14	26	25	24
131	41	33	25	25	24
132	41	52	26	25	24
133	42	11	25	25	24
134	42	30	26	25	24
135	42	49	25	24	24
136	43	8	25	25	24
137	43	27	26	24	24
138	43	46	26	24	24
139	44	5	25	24	24
140	44	24	25	24	24
141	44	43	25	25	24
142	45	2	26	24	24
143	45	21	25	25	24
144	45	40	24	24	24
145	45	59	25	26	25
146	46	18	35	32	25

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
147	46	37	66	36	24
148	46	56	107	40	26
149	47	15	148	44	28
150	47	34	184	48	30
151	47	53	208	48	32
152	48	12	212	47	34
153	48	31	211	46	37
154	48	50	210	46	38
155	49	9	206	45	40
156	49	28	202	44	43
157	49	47	198	43	45
158	50	6	195	44	45
159	50	25	193	43	47
160	50	44	190	42	48
161	51	3	187	40	49
162	51	22	184	40	51
163	51	41	181	40	52
164	52	0	179	39	53
165	52	19	176	39	55
166	52	38	174	38	54
167	52	57	172	39	56
168	53	16	170	38	57
169	53	35	168	37	57
170	53	54	166	37	58
171	54	13	164	37	59
172	54	32	161	37	59
173	54	51	161	36	60
174	55	10	158	36	60
175	55	29	157	36	61
176	55	48	156	35	61
177	56	7	153	35	62
178	56	26	151	35	61
179	56	45	150	35	62
180	57	4	148	34	61
181	57	23	147	34	61
182	57	42	145	34	62
183	58	1	144	33	61
184	58	20	142	34	62
185	58	39	141	33	61
186	58	58	139	34	62
187	59	17	138	33	61
188	59	36	137	33	62
189	59	55	135	32	61
190	60	14	133	33	61
191	60	33	132	33	61
192	60	52	132	32	60
193	61	11	130	32	61
194	61	30	129	32	61
195	61	49	127	32	60
196	62	8	125	32	60

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
197	62	27	124	31	60
198	62	46	121	32	59
199	63	5	120	32	60
200	63	24	119	40	59
201	63	43	128	45	59
202	64	2	150	45	59
203	64	21	177	47	61
204	64	40	204	49	62
205	64	59	226	51	63
206	65	18	249	54	66
207	65	37	271	57	69
208	65	56	284	58	73
209	66	15	290	60	77
210	66	34	295	61	80
211	66	53	299	62	84
212	67	12	302	63	87
213	67	31	303	64	91
214	67	50	305	64	94
215	68	9	306	66	97
216	68	28	306	67	99
217	68	47	306	67	102
218	69	6	304	68	104
219	69	25	305	68	107
220	69	44	304	68	108
221	70	3	303	68	111
222	70	22	304	69	111
223	70	41	302	68	113
224	71	0	302	68	115
225	71	19	302	69	116
226	71	38	301	70	117
227	71	57	302	70	118
228	72	16	302	69	120
229	72	35	301	70	121
230	72	54	301	71	121
231	73	13	302	70	123
232	73	32	301	70	123
233	73	51	301	70	124
234	74	10	301	70	124
235	74	29	300	69	126
236	74	48	301	69	126
237	75	7	301	70	126
238	75	26	300	71	126
239	75	45	301	69	126
240	76	4	301	70	126
241	76	23	301	70	127
242	76	42	301	70	127
243	77	1	300	70	128
244	77	20	301	70	128
245	77	39	301	71	128
246	77	58	300	70	128

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
247	78	17	302	71	128
248	78	36	304	70	126
249	78	55	315	71	126
250	*	12	328	72	126
251	79	33	336	72	126
252	79	52	343	73	126
253	80	11	341	73	128
254	80	30	335	72	129
255	80	49	327	72	129
256	81	8	321	72	129
257	81	27	320	71	129
258	81	46	327	72	129
259	82	5	338	72	129
260	82	25	348	73	130
261	82	44	355	73	131
262	83	3	359	73	131
263	83	22	361	74	131
264	83	41	364	73	132
265	84	0	365	74	133
266	84	19	366	73	134
267	84	38	367	73	134
268	84	57	370	73	135
269	85	16	370	73	135
270	85	35	370	73	136
271	85	54	370	73	137
272	86	13	372	73	137
273	86	32	371	73	138
274	86	51	373	73	139
275	87	10	373	74	140
276	87	29	371	73	139
277	87	48	373	73	141
278	88	7	381	73	141
279	88	19	393	73	143
280	88	46	404	74	145
281	89	5	407	72	146
282	89	24	389	71	149
283	89	43	370	70	148
284	90	2	353	70	149
285	90	21	340	70	146
286	90	40	346	72	146
287	90	59	367	73	147
288	91	18	384	73	147
289	91	37	395	73	147
290	91	56	404	73	149
291	92	15	409	72	150
292	92	34	412	72	151
293	92	54	414	72	152
294	93	13	407	70	153
295	93	32	387	69	154
296	93	51	366	70	151

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
297	94	10	352	71	151
298	94	29	341	71	150
299	94	48	334	72	150
300	95	7	346	72	148
301	95	26	372	73	148
302	95	45	397	74	150
303	96	4	418	73	154
304	96	23	435	74	156
305	96	42	446	74	158
306	97	2	452	75	161
307	97	21	435	74	161
308	97	40	410	72	161
309	97	59	385	71	161
310	98	18	366	70	160
311	98	37	352	69	159
312	98	56	342	70	158
313	99	15	335	72	156
314	99	34	332	71	155
315	99	53	329	72	153
316	100	12	326	73	152
317	100	31	326	73	150
318	100	51	334	73	148
319	101	10	361	73	149
320	101	29	387	72	150
321	101	48	409	72	152
322	102	7	423	73	154
323	102	26	434	73	156
324	102	45	440	74	159
325	103	4	434	73	160
326	103	23	412	73	160
327	103	42	387	71	159
328	104	1	365	71	158
329	104	20	351	70	156
330	104	39	340	69	156
331	104	58	332	70	154
332	105	18	325	72	152
333	105	37	320	72	150
334	105	56	317	72	150
335	106	15	313	72	148
336	106	34	312	72	146
337	106	53	311	72	145
338	107	12	309	71	144
339	107	31	308	72	143
340	107	51	309	72	142
341	108	10	308	72	141
342	108	29	308	72	140
343	108	48	308	72	139
344	109	7	307	71	138
345	109	44	305	71	136
346	110	31	304	72	134

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
347	110	50	307	75	135
348	111	9	311	76	134
349	111	28	310	83	135
350	111	47	303	83	136
351	112	6	294	82	137
352	112	25	287	82	137
353	112	45	280	81	138
354	113	4	273	80	138
355	113	23	268	78	138
356	113	42	263	77	137
357	*	*	*	*	*

RUN 23 +103°F 2 JULY 70

RUN 23, 103°F Engine Oil Test, 2 July 1970
Engine No. 1 Pump (S/N 597) at Nominal Setting of 6.05 gpm (low)
Engine No. 2 Pump (S/N 595) at Nominal Setting of 6.00 gpm (low)
Soak time N/A

Test Synopsis:

This run was chosen to present 103°F engine oil test data. Engine topping adjustment was accomplished on both engines.

The calibrated oil pumps were set at the low oil flow setting.

As the run progressed, the chamber temperature exceeded the scheduled 103°F; it reached a peak of 114°F at C/N 225 and then decreased and was back to the scheduled 103°F by C/N 350.

Pertinent information.

Engine No. 1 had -13 fuel control and no EAPS.

Engine No. 2 had -12 fuel control, EAPS, and armor plating installe

Both engines had calibrated engine oil pumps installed.

Test parameters not connected or not presented.

2-18-Main wheel brake return, hydraulic pressure (not connected).

2-19 through 2-26-Heater output airflow differential pressure (not presented).

Defective test parameters not presented (unless indicated otherwise

3-22-Cargo area forward waist level air temperature (erratic, but average temperature shown is good; data are presented).

4-13-Second stage hydraulic system pump outlet temperature.

5-07-Engine No. 1 oil cooler outlet oil temperature.

7-12-Engine No. 1 compressor case temperature, 3rd stage, 3 o'clock position.

7-14-Engine No. 1 compressor case temperature, 3rd stage, 6 o'clock position.

7-19-Engine No. 1 compressor case temperature, 5th stage, 3 o'clock position.

7-20-Engine No. 1 compressor case temperature, 5th stage, 4:30 o'clock position.

8-13-Engine No. 2 compressor case temperature, 3rd stage, 6 o'clock position.

Event Sheet:

CTR	Event
92	Engine No. 1 - start
100	Engine No. 1 throttle - forward
108	Engine No. 2 - start
115-121	Operate both engines at flight idle power
112-127	Operate engines at matched N_g and nominal flight idle power; allow temperatures to stabilize.

CTR	Event
128-158	Operate engines at matched N_g and nominal 50-percent torque; allow temperatures to stabilize.
163-189	Operate engines at matched N_g and nominal 80-percent torque; allow temperatures to stabilize.
210-280	Engine No. 1 - topping power adjustment
314-352	Engine No. 2 - topping power adjustment
353-389	Operate engine No. 2 at maximum power
415-426	Operate engine No. 1 at 100-percent torque
427	Operate both engines at matched N_g and 100-percent nominal torque.

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
1	0	3	0	0	*	0	17
2	0	22	0	0	*	0	16
3	0	41	0	0	*	0	16
4	1	0	0	0	*	0	16
5	1	19	0	0	*	0	16
6	1	38	0	0	*	0	16
7	1	57	0	0	*	0	17
8	2	16	0	0	*	0	16
9	2	35	0	0	*	0	16
10	2	54	0	0	*	0	16
11	3	13	0	0	*	0	16
12	3	32	0	0	*	0	15
13	3	51	0	0	*	0	16
14	4	10	0	0	*	0	15
15	4	29	0	0	*	0	19
16	4	48	0	0	*	0	15
17	5	7	0	0	*	0	16
18	5	26	0	0	*	0	16
19	5	45	0	0	*	0	19
20	6	4	0	J	*	0	17
21	6	23	0	0	*	0	17
22	6	41	0	0	*	0	16
23	*	*	0	0	*	0	16
24	7	19	0	0	*	0	16
25	*	*	0	0	*	0	16
26	7	57	0	0	*	0	16
27	8	16	0	0	*	0	16
28	8	45	0	0	*	0	16
29	9	4	*	0	*	0	17
30	9	23	0	0	*	0	17
31	9	41	0	0	*	0	16
32	10	0	0	0	*	0	15
33	10	19	0	0	*	0	17
34	10	38	0	0	*	0	17
35	10	57	*	0	*	0	16
36	27	56	0	0	*	0	16
37	11	34	0	0	*	0	15
38	11	53	0	0	*	0	16
39	12	12	0	0	*	*	15
40	12	31	0	0	*	0	16
41	12	50	*	0	*	0	15

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

1-06 G.1 UEL LOW /HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
0	*	0	17	0	*	*	1	17
0	*	0	16	0	*	*	1	15
0	*	0	16	0	*	*	2	15
0	*	0	16	0	*	*	2	14
0	*	0	16	0	*	*	1	13
0	*	0	16	0	*	*	1	14
0	*	0	17	0	*	*	1	14
0	*	0	16	0	*	*	1	14
0	*	0	16	0	*	*	1	13
0	*	0	16	0	*	*	1	14
0	*	0	16	0	*	*	1	14
0	*	0	15	0	*	*	1	15
0	*	0	16	0	*	*	1	14
0	*	0	15	0	*	*	1	14
0	*	0	19	0	*	*	1	14
0	*	0	15	0	*	*	1	14
0	*	0	16	0	*	*	2	15
0	*	0	16	0	*	*	1	14
0	*	0	19	0	*	*	1	13
0	*	0	17	0	*	*	1	17
0	*	0	17	0	*	*	2	15
0	*	0	16	0	*	*	1	14
0	*	0	16	0	*	*	1	13
0	*	0	16	0	*	*	1	15
0	*	0	16	0	*	*	1	14
0	*	0	16	0	*	*	1	13
0	*	0	16	0	*	*	1	14
0	*	0	16	0	*	*	1	17
0	*	0	17	0	*	*	1	15
0	*	0	17	0	*	*	1	13
0	*	0	16	0	*	*	1	14
0	*	0	15	0	*	*	1	14
0	*	0	17	0	*	*	1	14
0	*	0	17	0	*	*	1	14
0	*	0	16	0	*	*	0	14
0	*	0	16	0	*	*	1	14
0	*	0	15	0	*	*	0	14
0	*	0	16	0	*	*	0	14
0	*	*	15	0	*	*	1	15
0	*	0	16	0	*	*	0	15
0	*	0	16	0	*	*	1	14

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
45	*	*	0	0	*	0	16
47	14	43	0	0	*	0	16
48	15	2	0	0	*	0	16
49	15	21	0	0	*	*	17
50	15	39	0	0	*	0	16
51	15	58	0	0	*	0	17
52	16	17	*	*	*	0	17
53	16	36	*	0	*	0	16
54	16	55	0	0	*	0	15
55	17	14	0	0	*	0	17
56	17	32	0	0	*	0	16
57	17	51	0	0	*	0	16
58	18	10	0	0	*	0	16
59	18	29	0	0	*	0	16
60	18	48	0	0	*	*	16
61	19	6	0	0	*	0	17
62	19	25	0	*	*	*	16
63	19	44	0	0	*	0	17
64	20	3	0	0	*	0	17
65	20	22	0	0	*	0	17
66	20	41	0	0	*	0	16
67	20	59	0	0	*	*	16
68	21	18	0	0	*	0	16
69	21	37	0	0	*	0	17
70	21	56	0	0	*	0	16
71	22	15	0	0	*	0	16
72	22	33	0	0	*	*	17
73	22	52	0	0	*	0	16
74	23	11	0	0	*	0	17
75	23	30	0	0	*	0	16
76	23	49	0	0	*	0	19
77	24	7	0	0	*	0	17
78	24	26	8	0	*	*	16
79	24	45	28	0	*	0	22
80	25	4	13	*	2	0	30
81	25	23	3	0	*	0	31
82	25	42	0	0	*	0	31
83	26	0	0	0	*	0	31
84	26	19	0	0	*	0	31
85	26	38	0	0	*	0	31
86	26	57	0	0	*	0	31
87	27	16	0	0	*	0	31
88	27	34	0	0	*	0	31
89	27	53	0	0	*	0	31
90	28	12	0	0	*	0	31
91	28	31	0	1	*	0	31
92	28	50	0	0	*	0	30
93	29	8	32	21	*	0	71
94	29	27	60	41	5	15	451
95	29	46	61	39	4	25	499

1-06 G.1 UEL LOW /HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
0	*	0	16	0	*	*	1	14
0	*	0	16	0	*	*	1	15
0	*	0	16	0	*	*	0	15
0	*	*	17	0	*	*	1	14
0	*	0	16	0	*	*	0	13
0	*	0	17	0	*	*	1	15
*	*	0	17	0	*	*	1	14
0	*	0	16	0	*	*	1	17
0	*	0	15	0	*	*	1	14
0	*	0	17	*	*	*	1	14
0	*	0	16	0	*	*	1	14
0	*	0	16	0	*	*	0	15
0	*	0	16	0	*	*	0	13
0	*	0	16	0	*	*	1	15
0	*	*	16	0	*	*	0	15
0	*	0	17	0	*	*	0	14
*	*	*	16	0	*	*	1	14
0	*	0	17	0	*	*	1	14
0	*	0	17	0	*	*	0	17
0	*	0	17	0	*	*	1	17
0	*	0	16	0	*	*	0	14
0	*	*	16	0	*	*	0	15
0	*	0	16	0	*	*	1	15
0	*	0	17	0	*	*	1	14
0	*	0	16	0	*	*	1	15
0	*	0	16	0	*	*	0	14
0	*	*	17	0	*	*	1	14
0	*	0	16	0	*	*	0	15
0	*	0	17	0	*	*	1	14
0	*	0	16	0	*	*	0	14
0	*	0	19	0	*	*	1	15
0	*	0	17	0	*	*	0	15
0	*	*	16	*	*	*	1	15
0	*	0	22	0	*	*	1	17
*	2	0	30	*	*	*	0	14
0	*	0	31	0	*	*	0	17
0	*	0	31	0	*	*	1	17
0	*	0	31	9	*	*	0	17
0	*	0	31	28	*	*	1	22
0	*	0	31	14	*	*	0	30
0	*	0	31	4	*	*	1	29
0	*	0	31	0	*	*	1	32
0	*	0	31	0	*	*	1	32
0	*	0	31	0	*	*	1	29
0	*	0	31	0	*	*	1	29
1	*	0	31	0	*	*	0	30
0	*	0	30	0	*	*	0	30
1	*	0	71	0	*	*	1	30
1	5	15	451	0	*	*	1	28
9	4	25	499	0	*	*	2	28

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
96	30	5	60	39	4	30	513
97	30	23	61	40	4	32	519
98	30	42	60	39	3	32	524
99	31	1	61	40	3	32	527
100	31	20	61	39	3	34	531
101	31	39	63	41	4	34	528
102	31	57	85	107	33	74	489
103	32	15	84	106	27	89	493
104	32	35	87	129	35	93	512
105	32	54	88	140	38	101	540
106	33	13	86	122	30	102	519
107	33	31	88	120	30	102	516
108	33	50	87	125	32	102	516
109	34	9	87	123	31	101	517
110	34	28	86	126	30	102	514
111	34	47	87	125	30	*	513
112	35	5	87	126	30	102	514
113	35	24	78	59	1	99	443
114	35	43	79	59	1	102	425
115	36	2	83	89	13	99	446
116	36	20	83	88	13	99	448
117	36	39	83	88	13	98	448
118	36	58	83	86	12	98	447
119	37	17	83	84	12	100	447
120	37	36	83	85	12	98	444
121	37	54	85	85	13	*	446
122	38	13	83	88	14	99	451
123	38	32	83	89	14	99	452
124	38	51	83	86	14	98	453
125	39	10	83	88	15	99	455
126	39	28	81	88	14	99	456
127	39	47	84	89	15	99	456
128	40	6	85	90	23	98	467
129	40	25	91	170	54	98	569
130	40	43	89	158	50	97	569
131	41	2	89	162	50	99	566
132	41	21	91	159	51	99	568
133	41	40	90	158	51	99	568
134	41	59	91	156	51	98	572
135	42	17	89	156	50	99	566
136	42	36	89	156	50	98	568
137	42	55	89	157	51	98	566
138	43	14	90	159	51	99	568
139	43	32	90	158	50	102	568
140	43	51	90	156	50	99	569
141	44	10	90	177	50	100	566
142	44	29	90	154	50	99	569
143	44	48	90	157	51	99	569
144	45	6	91	156	51	100	569
145	45	25	90	156	51	98	575

1-06 ENG.1 FUEL FLOW /HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
39	4	30	513	0	*	*	1	27
40	4	32	519	0	*	*	0	25
39	3	32	524	0	*	*	1	27
40	3	32	527	0	*	*	0	28
39	3	34	531	0	*	*	0	32
41	4	34	528	0	*	*	1	28
07	33	74	489	0	*	*	1	28
06	27	89	493	0	*	*	1	29
29	35	93	512	0	*	*	1	25
40	38	101	540	0	*	*	1	28
22	30	102	519	0	*	*	0	28
20	30	102	516	0	*	*	1	27
25	32	102	516	21	*	*	7	27
23	31	101	517	59	43	*	50	338
26	30	102	514	67	49	*	66	492
25	30	*	513	77	59	*	97	442
26	30	102	514	77	62	*	100	458
59	1	99	443	87	126	28	103	496
59	1	102	425	85	112	19	103	501
89	13	99	446	85	90	13	101	462
80	13	99	448	83	92	14	102	461
88	13	98	443	84	87	12	101	451
86	12	98	447	84	89	12	101	450
84	12	100	447	83	86	12	100	447
85	12	98	444	84	88	12	101	452
85	13	*	446	85	86	12	101	448
88	14	99	451	83	82	9	101	443
89	14	99	452	83	92	9	101	440
86	14	98	453	82	88	9	101	441
88	15	99	455	82	84	9	*	437
88	14	99	456	83	85	9	101	441
89	15	99	456	83	82	9	*	440
90	23	98	467	85	96	15	100	448
70	54	98	569	89	140	39	*	526
58	50	97	569	90	152	45	*	551
62	50	99	566	90	151	46	100	561
59	51	99	568	91	155	47	100	571
58	51	99	568	91	152	46	101	563
56	51	98	572	89	155	46	101	561
56	50	99	566	91	152	46	101	561
56	50	98	568	*	153	47	101	559
57	51	98	566	91	156	47	100	561
59	51	99	568	90	150	45	101	560
58	50	102	568	90	153	45	101	609
56	50	99	569	91	158	46	100	561
77	50	100	566	96	152	45	101	566
54	50	99	569	89	150	45	101	561
57	51	99	569	91	152	45	101	558
56	51	100	569	90	162	45	101	560
56	51	98	575	90	150	45	101	564

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
146	45	44	89	159	51	98	572
147	46	3	90	159	51	98	573
148	46	21	89	160	51	*	570
149	46	40	90	162	51	98	570
150	46	59	90	156	51	99	573
151	47	18	91	162	51	99	572
152	47	36	89	156	51	100	570
153	47	55	89	159	51	99	572
154	48	14	89	156	51	98	569
155	48	33	90	157	51	100	570
156	48	52	91	157	51	98	572
157	49	10	90	157	51	97	569
158	49	29	90	162	51	98	570
159	49	48	85	81	12	98	460
160	50	7	83	88	12	98	451
161	50	25	83	83	13	*	451
162	50	44	85	100	19	102	466
163	51	3	85	95	18	100	465
164	51	22	94	204	78	99	616
165	51	40	93	201	76	99	643
166	51	59	94	209	80	97	648
167	52	18	94	214	78	98	650
168	52	37	94	210	80	97	654
169	52	56	94	207	78	98	650
170	53	14	94	203	77	99	644
171	53	33	94	204	76	98	644
172	53	52	94	203	78	98	645
173	54	11	94	211	80	98	654
174	54	29	94	206	79	*	655
175	54	48	95	221	80	98	655
176	55	7	78	56	1	99	451
177	55	26	81	73	7	97	430
178	55	44	82	71	8	97	428
179	56	3	80	71	8	96	429
180	56	22	83	88	16	99	444
181	56	41	87	116	30	98	494
182	56	59	85	106	24	96	485
183	57	18	86	110	24	97	488
184	57	37	85	118	24	96	483
185	57	56	85	110	24	98	485
186	58	14	85	108	24	96	486
187	58	33	86	103	24	98	486
188	58	52	85	108	23	96	485
189	59	11	86	103	23	97	484
190	59	30	85	106	24	96	485
191	59	48	86	98	23	96	484
192	60	7	94	208	78	98	621
193	60	26	94	206	79	98	655
194	60	44	97	217	80	98	655
195	61	3	94	214	80	98	657

-06 G.1 UEL LOW /HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
159	51	98	572	91	155	45	101	555
159	51	98	573	90	177	44	101	555
160	51	*	570	90	150	44	101	560
162	51	98	570	90	149	45	*	555
156	51	99	573	91	154	44	101	554
162	51	99	572	90	155	43	101	556
156	51	100	570	90	148	44	101	556
159	51	99	572	90	155	44	101	559
156	51	98	569	90	151	44	100	555
157	51	100	570	96	184	43	101	559
157	51	98	572	89	152	45	101	556
157	51	97	569	90	149	44	100	561
162	51	98	570	91	154	44	100	555
81	12	98	460	84	84	10	101	457
88	12	98	451	84	83	10	100	451
83	13	*	451	84	86	11	101	451
00	19	102	466	87	98	17	102	468
95	18	100	465	86	97	17	102	467
04	78	99	616	95	222	67	101	593
01	76	99	643	95	207	73	100	633
09	80	97	648	96	209	77	101	643
14	78	98	650	95	210	76	101	649
10	80	97	654	95	214	77	100	647
07	78	98	650	97	198	76	100	644
03	77	99	644	95	211	76	101	649
04	76	98	644	95	211	76	101	647
03	78	98	645	*	208	76	100	648
11	80	98	654	97	207	76	100	659
06	79	*	655	94	205	76	100	647
21	80	98	655	95	208	76	101	649
56	1	99	451	95	196	75	101	609
73	7	97	430	96	211	78	98	645
71	8	97	428	95	214	77	99	645
71	8	96	429	95	208	77	99	643
18	16	99	444	97	214	76	99	643
16	30	98	494	95	210	76	100	645
06	24	96	485	95	204	77	99	649
10	24	97	488	95	201	77	99	647
18	24	96	483	96	211	77	99	645
10	24	98	485	96	221	77	99	647
18	24	96	486	97	211	77	99	645
13	24	98	486	96	207	77	99	647
08	23	96	485	95	200	77	99	644
03	23	97	484	95	206	77	98	644
16	24	96	485	95	201	78	99	647
08	23	96	484	96	208	77	99	647
08	78	98	621	87	115	24	100	535
06	79	98	655	87	114	22	100	484
17	80	98	655	87	110	22	101	482
14	80	98	657	87	107	22	99	486

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
196	61	22	94	212	79	97	655
197	61	41	94	208	79	99	595
198	62	0	94	212	80	97	654
199	62	18	94	215	80	97	655
200	62	37	94	221	86	96	667
201	62	56	95	220	88	95	669
202	63	14	91	176	58	102	616
203	63	33	91	98	17	100	493
204	63	52	84	93	18	99	466
205	64	11	84	82	10	98	452
206	64	29	83	80	11	98	444
207	64	48	94	214	77	100	626
208	65	7	95	221	87	92	668
209	65	26	82	81	9	99	479
210	65	44	85	74	8	99	443
211	66	3	87	103	28	100	463
212	66	22	95	220	83	100	653
213	66	41	94	227	87	98	673
214	66	59	95	225	88	*	674
215	67	18	78	55	0	97	463
216	67	37	78	57	0	98	439
217	67	56	96	222	85	98	639
218	68	14	96	226	90	96	672
219	68	33	96	229	91	95	676
220	68	52	96	229	87	99	676
221	69	11	96	230	87	100	676
222	69	29	94	225	88	98	677
223	69	48	88	126	32	102	530
224	70	7	87	147	32	103	521
225	70	26	88	125	32	103	518
226	70	44	88	124	32	103	522
227	71	3	86	126	32	*	518
228	71	22	88	125	32	103	521
229	71	41	88	126	32	103	522
230	71	59	86	11	29	97	503
231	72	18	86	115	30	100	504
232	72	37	91	164	56	102	560
233	72	55	95	229	88	99	673
234	73	14	86	105	17	102	545
235	73	33	82	74	10	97	443
236	73	52	85	82	12	98	451
237	74	10	95	221	84	100	630
238	74	29	95	236	91	96	677
239	74	48	87	133	20	103	585
240	75	7	82	83	11	98	455
241	75	25	82	78	10	98	447
242	75	44	79	59	1	99	428
243	76	3	86	110	25	101	475
244	76	22	96	231	89	100	668
245	76	40	95	236	92	98	682

1-06 ENG.1 FUEL FLOW L/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
212	79	97	655	86	104	21	100	496
208	79	99	655	86	112	22	100	484
212	80	97	654	87	105	21	101	484
215	80	97	655	87	108	21	100	486
221	86	96	667	86	104	22	99	476
220	88	95	669	86	96	17	97	471
176	58	102	616	81	68	4	103	441
98	17	100	493	88	125	34	102	511
93	18	99	466	90	155	38	101	535
82	10	98	452	90	143	42	101	539
80	11	98	444	90	142	42	99	549
214	77	100	626	87	111	20	103	478
221	87	92	668	87	99	19	98	484
81	9	99	479	89	141	38	101	524
74	8	99	443	89	155	40	101	537
103	28	100	463	88	120	25	103	534
220	83	100	653	79	56	*	101	441
227	87	98	673	80	61	*	100	428
225	88	*	674	83	78	5	99	435
55	0	97	463	88	113	23	102	489
57	0	98	439	87	113	23	102	496
222	85	98	639	91	62	*	102	430
226	90	96	672	81	67	3	97	433
229	91	95	676	81	70	3	97	430
229	87	99	676	79	58	*	98	425
230	87	100	676	79	56	*	98	435
225	88	98	677	78	59	*	98	426
126	32	102	530	80	55	*	96	436
147	32	103	521	77	55	*	96	436
125	32	103	518	79	56	*	95	438
124	32	103	522	79	56	*	95	435
126	32	*	518	75	56	*	96	435
125	32	103	521	78	56	*	96	438
126	32	103	522	78	57	*	95	436
118	29	97	503	78	57	*	97	437
115	30	100	504	78	55	*	97	443
164	56	102	568	78	57	*	96	438
229	88	99	673	79	58	*	98	436
105	17	102	345	79	59	*	99	442
74	10	97	443	85	93	12	100	461
82	12	98	451	84	85	9	101	455
221	84	100	630	79	73	*	99	441
236	91	96	677	81	70	2	98	436
133	20	103	585	77	99	*	97	428
83	11	98	456	85	88	9	101	451
78	10	98	447	86	87	10	101	452
59	1	99	428	86	106	19	100	478
110	25	101	475	81	68	*	103	452
231	89	100	668	87	104	18	103	471
230	91	98	682	85	110	11	99	458

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
246	76	59	92	236	91	99	685
247	77	18	91	109	21	103	541
248	77	36	77	56	1	99	448
249	77	55	80	71	11	98	443
250	78	14	94	222	86	101	639
251	78	33	96	237	92	99	685
252	78	51	81	53	4	98	484
253	79	10	80	61	3	98	434
254	79	29	96	237	94	98	668
255	79	48	96	238	93	98	690
256	80	6	82	82	12	99	476
257	80	25	83	78	11	98	447
258	80	44	82	81	10	99	446
259	81	3	81	69	6	*	434
260	81	21	88	119	26	102	489
261	81	40	96	241	93	102	682
262	81	59	96	247	95	98	695
263	82	17	78	53	0	98	460
264	82	36	78	55	1	97	438
265	82	55	78	66	0	97	432
266	83	14	78	56	0	97	428
267	83	32	85	110	24	103	470
268	83	51	96	244	95	98	677
269	84	10	95	240	95	99	696
270	84	29	96	245	96	99	699
271	84	47	89	56	0	102	460
272	85	6	78	55	0	98	434
273	85	25	79	56	0	98	429
274	85	44	78	56	0	97	427
275	86	2	90	140	40	101	518
276	86	21	96	266	97	98	691
277	86	40	96	258	97	100	700
278	86	59	96	249	97	99	701
279	87	17	96	268	97	99	702
280	87	36	96	247	97	99	695
281	87	55	94	231	94	99	686
282	88	14	96	237	94	98	690
283	88	32	94	238	93	99	688
284	88	51	96	237	93	99	690
285	89	10	96	230	93	99	690
286	89	29	96	236	93	*	690
287	89	47	96	237	93	99	688
288	90	6	96	231	93	98	690
289	90	25	95	238	93	100	690
290	90	44	96	238	92	99	690
291	91	2	94	240	95	102	690
292	91	21	96	251	94	98	692
293	91	40	96	231	94	98	694
294	91	59	97	247	95	99	692
295	92	17	96	236	94	98	692

1-06 ENG.1 FUEL FLOW /HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
236	91	99	685	82	77	5	100	441
109	21	103	541	80	64	*	103	438
56	1	99	448	87	112	21	103	487
71	11	98	443	87	108	16	103	494
22	86	101	639	79	58	*	101	437
37	92	99	685	80	64	*	101	431
53	4	98	484	86	98	16	100	457
61	3	98	434	86	101	17	100	471
37	94	98	668	81	68	1	99	463
38	93	98	690	79	57	*	100	423
82	12	99	476	81	84	8	99	442
78	11	98	447	85	110	9	100	450
81	10	99	446	85	89	10	100	453
69	6	*	434	85	99	14	99	461
19	26	102	489	75	56	*	102	446
41	93	102	682	83	85	7	103	442
47	95	98	695	82	75	5	100	437
53	0	98	460	88	116	21	103	481
55	1	97	438	86	98	20	101	484
66	0	97	432	86	107	20	101	489
56	0	97	428	86	108	20	101	487
10	24	103	470	75	65	*	102	451
44	95	98	677	84	89	9	101	447
40	95	99	696	82	73	3	100	436
45	96	99	699	82	74	4	101	433
56	0	102	460	86	111	20	101	475
55	0	98	434	91	112	21	102	485
56	0	98	429	87	125	20	101	486
56	0	97	427	87	110	21	*	467
40	40	101	518	79	56	*	100	448
66	97	98	691	80	62	*	101	431
58	97	100	700	79	59	*	101	428
49	97	99	701	80	59	*	101	428
60	97	99	702	82	60	*	101	426
57	97	99	695	81	53	0	101	430
51	94	99	686	80	64	*	101	430
37	94	98	690	82	64	*	101	428
38	93	99	688	80	64	*	100	421
37	93	99	690	81	64	*	101	423
30	93	99	690	81	66	*	101	425
36	93	*	690	82	69	*	101	422
37	93	99	688	80	64	*	100	425
31	93	98	690	82	66	*	101	425
38	93	100	690	81	66	*	102	422
8	92	99	690	80	64	*	101	433
0	95	102	690	80	65	*	100	425
31	94	98	692	80	64	*	101	426
31	94	98	694	80	68	*	101	425
47	95	99	692	81	73	*	101	427
46	94	98	692	80	73	*	100	427

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
296	92	36	96	244	94	98	692
297	92	55	96	240	95	*	692
298	93	13	96	240	93	98	692
299	93	32	96	241	94	98	692
300	93	51	96	258	93	99	692
301	94	10	84	89	14	100	489
302	94	28	83	81	11	102	453
303	94	47	83	83	11	101	451
304	95	6	84	85	15	99	453
305	95	25	83	79	11	102	451
306	95	43	82	82	11	99	447
307	96	2	83	81	11	98	448
308	96	21	82	85	12	100	447
309	96	39	93	193	70	100	588
310	96	52	92	202	74	99	617
311	97	4	*	233	91	97	676
312	97	16	85	98	23	99	490
313	97	28	86	125	27	98	495
314	97	47	77	56	0	96	452
315	98	5	78	60	1	96	434
316	98	24	83	82	16	92	444
317	98	43	85	97	22	96	460
318	99	2	86	105	25	98	485
319	99	20	81	84	10	98	447
320	99	39	86	111	25	98	483
321	99	58	86	110	25	99	493
322	100	16	78	59	0	96	432
323	100	35	76	54	0	94	423
324	100	54	85	107	24	97	486
325	101	13	78	58	0	98	439
326	101	31	79	73	0	98	425
327	101	50	85	109	25	97	480
328	102	9	88	109	24	100	49[illegible]
329	102	28	78	57	0	98	436
330	102	46	78	59	1	99	423
331	103	5	84	105	28	97	467
332	103	24	85	107	25	97	489
333	103	42	87	106	24	98	488
334	104	1	78	59	0	100	432
335	104	20	77	59	0	97	419
336	104	39	84	96	19	96	465
337	104	57	77	58	0	96	444
338	105	16	80	66	4	98	425
339	105	35	78	62	1	98	425
340	105	53	85	104	20	97	467
341	106	12	78	73	0	98	428
342	106	31	79	58	0	98	423
343	106	50	77	62	4	97	425
344	107	8	85	110	25	99	489
345	107	27	78	57	0	98	439

1-06 ENG.1 FUEL FLOW L/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
244	94	98	692	80	69	*	101	431
240	95	*	692	80	53	*	101	425
240	93	98	692	80	65	*	101	433
241	94	98	692	81	64	*	101	431
258	93	99	692	82	66	*	101	428
89	14	100	489	84	88	9	102	456
81	11	102	453	87	96	11	103	462
83	11	101	451	86	93	11	103	463
85	15	99	453	84	80	9	101	461
79	11	102	451	85	90	10	102	471
82	11	99	447	85	92	10	101	460
81	11	98	448	84	89	11	101	463
85	12	100	447	84	90	11	99	458
93	70	100	588	93	170	56	102	571
02	74	99	617	95	210	74	100	632
33	91	97	676	95	201	75	99	647
98	23	99	490	82	79	4	101	484
25	27	98	495	81	73	2	100	442
56	0	96	452	88	131	32	104	505
60	1	96	434	85	104	8	102	525
82	16	92	444	81	66	*	99	441
97	22	96	460	97	216	81	98	645
05	25	98	485	78	53	*	97	484
84	10	98	447	98	229	83	100	650
11	25	98	483	77	55	*	98	453
10	25	99	493	78	56	*	98	430
59	0	96	432	96	223	78	102	652
54	0	94	423	94	172	28	104	622
07	24	97	486	78	55	*	97	461
98	0	98	439	92	223	82	101	622
73	0	98	425	96	210	58	103	654
09	25	97	480	79	55	*	99	456
89	24	100	491	80	71	4	101	446
57	0	98	436	96	229	83	102	625
59	1	99	423	97	266	88	101	682
05	28	97	467	80	60	*	99	534
07	25	97	489	*	56	*	103	443
06	24	98	488	79	58	*	99	436
59	0	100	432	97	227	90	101	659
59	0	97	419	90	153	17	105	599
86	19	96	465	81	65	1	98	441
58	0	96	444	87	118	22	104	486
36	4	98	425	97	236	91	101	672
62	1	98	425	87	105	12	103	540
04	20	97	467	81	64	*	99	435
73	0	98	428	97	202	90	102	664
58	0	98	423	96	221	92	101	697
62	4	97	425	81	75	*	101	514
10	25	99	489	78	55	*	100	440
57	0	98	439	97	243	93	99	648

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
346	107	46	78	58	0	97	423
347	108	4	86	106	23	100	475
348	108	23	78	55	0	99	430
349	108	42	79	59	0	98	420
350	109	1	78	56	0	98	418
351	109	19	77	62	0	99	416
352	109	38	78	58	0	97	416
353	109	57	77	57	0	97	416
354	110	15	78	56	0	98	416
355	110	34	85	58	1	98	415
356	110	53	78	55	0	98	416
357	111	12	78	58	0	97	419
358	111	30	78	62	0	99	419
359	111	49	77	58	0	98	416
360	112	8	7	53	0	98	416
361	112	26	76	48	0	97	418
362	112	45	77	59	0	98	416
363	113	4	69	59	0	98	418
364	113	23	77	57	0	*	415
365	113	41	78	59	0	97	414
366	114	0	78	59	0	98	414
367	114	19	77	58	0	97	416
368	114	37	78	59	0	102	416
369	114	56	79	56	0	98	419
370	115	15	78	58	1	98	418
371	115	34	77	57	0	98	416
372	115	52	78	59	0	97	416
373	116	11	78	59	0	98	416
374	116	30	79	59	0	*	418
375	116	48	78	58	0	97	418
376	117	7	78	59	0	97	416
377	117	26	76	58	1	98	416
378	117	44	78	58	0	98	420
379	118	3	78	58	0	97	418
380	118	22	77	58	0	98	418
381	118	41	78	59	0	97	418
382	118	59	77	58	0	97	419
383	119	18	79	58	0	97	416
384	119	37	78	58	0	98	416
385	119	55	78	57	0	98	419
386	120	14	77	58	0	98	419
387	120	33	78	60	0	*	415
388	120	52	78	59	0	98	419
389	121	10	79	57	0	98	416
390	121	29	77	73	0	94	418
391	121	48	83	86	12	100	447
392	122	6	85	86	12	100	451
393	122	25	82	93	12	102	451
394	122	44	84	85	12	100	451
395	123	2	83	83	12	100	449

1-06 ENG.1 FUEL FLOW	1-07 ENG.1 TORQUE	1-08 ENG.1 POWER TURB SPEED RPM	1-09 ENG.1 TURB INLET TEMP (T-5)	1-10 ENG.2 RPM (NG)	1-11 ENG.2 FUEL FLOW	1-12 ENG.2 TORQUE	1-13 ENG.2 POWER TURB SPEED RPM	1-14 ENG.2 TURB INLET TEMP (T-5)
AL/HR	PERCNT	PERCNT	DEG.C	PERCNT	GAL/HR	PERCNT	PERCNT	DEG.C
58	0	97	423	99	244	92	102	688
106	23	100	475	80	61	*	102	443
55	0	99	430	97	243	94	101	697
59	0	98	420	98	246	94	103	691
56	0	98	418	99	290	96	101	693
62	0	99	416	97	265	95	101	694
58	0	97	416	98	227	95	101	709
57	0	97	416	102	258	95	101	697
56	0	98	416	97	282	94	102	692
58	1	98	415	97	243	95	101	693
55	0	98	416	99	250	95	102	693
58	0	97	419	98	248	94	101	697
62	0	99	419	97	258	94	102	693
58	0	98	416	97	251	95	101	698
53	0	98	416	97	245	95	101	697
48	0	97	415	97	258	94	101	692
59	0	98	416	99	225	94	101	697
59	0	98	418	97	250	94	101	694
57	0	*	415	97	245	95	101	694
59	0	97	414	97	246	95	102	693
59	0	98	414	98	250	95	100	691
58	0	97	416	98	242	94	102	692
59	0	102	416	97	224	94	101	694
56	0	98	419	98	239	94	101	692
58	1	98	418	98	253	94	102	709
57	0	98	416	100	249	93	102	698
59	0	97	416	*	247	94	101	694
59	0	98	416	97	248	93	102	694
59	0	*	418	97	246	94	*	697
58	0	97	418	98	248	94	102	692
59	0	97	416	98	246	94	102	697
58	1	98	416	99	273	94	101	699
58	0	98	420	97	245	94	103	709
58	0	97	418	97	250	95	101	698
58	0	98	418	98	280	94	*	694
59	0	97	418	97	251	95	100	691
58	0	97	419	98	280	95	101	709
58	0	97	416	98	246	94	101	693
58	0	98	416	97	246	94	101	696
57	0	98	419	99	258	95	101	702
58	0	98	419	98	281	94	101	699
60	0	*	415	97	252	95	102	702
59	0	98	419	97	250	95	100	694
57	0	98	416	98	246	95	100	698
73	0	94	418	87	122	20	105	568
86	12	100	447	84	86	10	103	458
86	12	100	451	85	87	9	102	450
83	12	102	451	86	91	9	102	448
85	12	100	451	84	88	10	102	447
93	12	100	449	84	90	10	102	446

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
396	123	21	82	81	12	100	451
397	123	40	82	86	12	100	453
398	123	57	83	86	12	101	451
399	124	17	83	88	12	100	452
400	124	36	83	85	12	100	451
401	124	55	83	85	12	100	451
402	125	13	83	86	12	100	451
403	125	32	82	95	12	100	449
404	125	51	83	86	12	101	451
405	126	9	83	85	13	*	451
406	126	28	82	86	13	*	448
407	126	47	83	86	13	*	449
408	127	5	83	83	12	101	447
409	127	24	82	83	11	102	446
410	127	43	84	81	12	99	447
411	128	1	85	85	11	100	442
412	128	20	82	81	11	100	443
413	128	39	82	85	11	99	442
414	128	58	86	116	27	101	479
415	129	16	*	238	98	100	683
416	129	35	95	236	95	99	686
417	129	54	95	245	97	98	692
418	130	12	95	238	98	99	694
419	130	31	96	248	98	98	691
420	130	50	96	252	97	98	691
421	131	8	94	238	96	*	691
422	131	27	96	250	97	98	692
423	131	46	86	110	26	99	514
424	132	4	84	88	13	102	458
425	132	23	95	258	93	99	671
426	132	42	95	256	98	98	691
427	133	1	95	246	98	98	688
428	133	19	81	73	7	100	453
429	133	38	81	71	7	99	433
430	133	57	82	81	12	98	436
431	134	15	85	81	11	99	437
432	134	34	82	82	11	99	438
433	134	53	69	36	*	75	416
434	135	11	81	80	11	98	442
435	135	30	63	36	*	61	451
436	135	49	48	5	*	47	466
437	136	7	12	0	*	10	306
438	136	26	5	*	*	6	235
439	136	45	0	0	*	0	207
440	137	4	0	*	*	*	205
441	137	22	0	*	*	0	213
442	137	41	*	*	*	0	223
443	*	*	*	*	*	*	*

-06 G.1 UEL LOW /HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
81	12	100	451	84	88	9	102	448
88	12	100	453	85	95	10	*	456
86	12	101	451	84	90	10	103	447
88	12	100	452	85	89	10	103	451
85	12	100	451	75	89	10	103	450
85	12	100	451	85	93	10	103	452
83	12	100	451	84	89	10	103	450
85	12	100	449	85	89	9	103	456
96	12	101	451	85	89	10	102	447
85	13	*	451	84	89	10	103	458
86	13	*	448	84	90	9	102	450
86	13	*	449	84	96	9	102	450
83	12	101	447	85	96	10	102	451
83	11	102	446	85	93	10	102	453
81	12	99	442	84	103	9	101	450
85	11	100	442	84	91	11	101	453
81	11	100	443	84	91	11	101	452
85	11	99	442	84	89	11	102	453
16	27	101	479	77	61	*	101	433
38	98	100	683	79	58	*	101	421
36	95	99	686	79	73	*	101	423
45	97	98	592	78	57	*	99	433
38	98	99	694	78	56	*	99	414
48	99	98	691	78	66	*	99	418
52	97	98	691	79	73	*	99	414
38	96	*	691	78	59	*	99	426
58	97	98	692	78	57	*	99	416
10	26	99	514	79	55	*	94	427
88	13	102	458	85	103	9	103	450
58	93	99	671	96	238	89	102	667
56	98	98	691	97	254	96	100	696
46	98	98	688	97	255	97	100	698
73	7	100	453	85	95	14	101	486
71	7	99	433	85	96	14	101	473
81	12	98	436	84	86	9	101	451
81	11	98	437	84	88	9	100	446
82	11	99	438	84	90	9	103	447
36	*	75	410	86	104	20	99	460
80	11	98	442	83	87	9	100	450
36	*	61	451	86	107	20	103	472
5	*	47	466	66	34	*	60	467
0	*	10	308	14	*	*	14	314
*	*	6	235	4	*	61	9	236
0	*	0	207	1	*	*	1	210
*	*	*	205	0	*	*	0	207
*	*	0	213	*	*	*	1	216
*	*	0	223	*	*	*	0	227
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	E B OU
1	0	3	0	*	*	3	0	
2	0	22	0	*	*	3	0	
3	0	41	0	*	*	3	0	
4	1	0	0	*	*	3	0	
5	1	19	0	*	*	3	0	
6	1	38	0	*	*	3	0	
7	1	57	0	*	*	3	0	
8	2	16	0	*	*	3	0	
9	2	35	0	*	*	3	0	
10	2	54	0	*	*	3	0	
11	3	13	0	*	*	3	0	
12	3	32	0	*	*	3	0	
13	3	51	0	*	*	3	0	
14	4	10	0	*	*	3	0	
15	4	29	0	*	*	3	0	
16	4	48	0	*	*	3	0	
17	5	7	0	*	*	3	0	
18	5	26	0	*	*	3	0	
19	5	45	0	*	*	3	0	
20	6	4	0	*	*	3	0	
21	6	23	0	*	*	3	0	
22	6	41	0	*	*	3	0	
23	*	*	0	*	*	3	0	
24	7	19	0	*	*	3	0	
25	*	*	0	*	*	3	0	
26	7	57	0	*	*	4	0	
27	8	16	0	*	*	3	0	
28	8	45	0	*	*	3	0	
29	9	4	0	*	*	3	0	
30	9	23	0	*	*	3	0	
31	9	41	*	*	*	3	0	
32	10	0	0	*	*	4	0	
33	10	19	0	*	*	4	0	
34	10	38	0	*	*	4	0	
35	10	57	0	*	*	3	1	
36	27	56	0	*	*	3	0	
37	11	34	0	*	*	3	0	
38	11	53	0	*	*	3	0	
39	12	12	0	*	*	3	0	
40	12	31	0	*	*	3	0	
41	12	50	0	*	*	3	0	
42	13	9	0	*	*	3	0	
43	13	28	0	*	*	3	0	
44	13	46	0	*	*	3	0	
45	14	5	0	*	*	4	0	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
*	*	3	0	0	1	0	3	2
*	*	3	0	1	2	0	3	2
*	*	3	0	0	0	1	2	2
*	*	3	0	0	1	1	3	2
*	*	3	0	0	1	0	2	1
*	*	3	0	0	1	0	2	2
*	*	3	0	1	0	1	3	2
*	*	3	0	1	0	2	2	3
*	*	3	0	1	0	2	2	2
*	*	3	0	1	0	0	3	2
*	*	3	0	1	1	2	3	2
*	*	3	0	0	1	0	2	1
*	*	3	0	1	1	2	3	2
*	*	3	0	1	1	1	3	1
*	*	3	0	1	1	2	2	2
*	*	3	0	1	1	0	3	2
*	*	3	0	1	2	2	2	2
*	*	3	0	1	2	1	3	1
*	*	3	0	1	1	2	2	2
*	*	3	0	1	1	0	3	2
*	*	3	0	1	1	1	2	2
*	*	3	0	1	1	2	3	1
*	*	3	0	1	1	1	3	2
*	*	3	0	1	1	2	2	2
*	*	3	0	1	1	1	3	2
*	*	3	0	1	1	2	2	1
*	*	3	0	1	1	1	3	2
*	*	3	0	1	1	2	2	2
*	*	3	0	1	1	1	3	2
*	*	3	0	1	1	2	2	2
*	*	3	0	1	1	1	3	2
*	*	3	0	1	1	2	2	3
*	*	3	0	1	1	1	3	3
*	*	3	0	1	1	2	2	3
*	*	3	0	1	1	1	3	3
*	*	3	0	1	1	2	2	2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
46	*	*	0	*	*	3	0
47	14	43	0	*	*	3	0
48	15	2	0	*	*	3	0
49	15	21	0	*	*	4	0
50	15	39	0	*	*	3	0
51	15	58	0	*	*	4	0
52	16	17	0	*	*	3	1
53	16	36	0	*	*	3	0
54	16	55	0	*	*	2	0
55	17	14	0	*	*	3	0
56	17	32	0	*	*	4	0
57	17	51	0	*	*	3	0
58	18	10	0	*	*	3	0
59	18	29	0	*	*	3	0
60	18	48	0	*	*	4	0
61	19	6	0	*	*	3	0
62	19	25	0	*	*	3	0
63	19	44	0	*	*	3	0
64	20	3	0	*	*	4	0
65	20	22	0	*	*	3	1
66	20	41	0	*	*	3	0
67	20	59	0	*	*	3	0
68	21	18	0	*	*	3	0
69	21	37	0	*	*	3	0
70	21	56	0	*	*	3	0
71	22	15	0	*	*	3	0
72	22	33	0	*	*	3	0
73	22	52	0	*	*	3	0
74	23	11	0	*	*	3	0
75	23	30	0	*	*	3	0
76	23	49	0	*	*	3	0
77	24	7	0	*	*	7	3
78	24	26	0	*	*	17	7
79	24	45	2	*	*	4	3
80	25	4	5	*	*	1	2
81	25	23	0	*	*	1	1
82	25	42	0	*	*	2	1
83	26	0	0	*	*	2	1
84	26	19	2	*	*	3	1
85	26	38	5	*	*	3	1
86	26	57	0	*	*	3	1
87	27	16	0	*	*	3	1
88	27	34	*	*	*	3	1
89	27	53	0	*	*	2	1
90	28	12	0	*	*	*	1
91	28	31	0	*	*	3	1
92	28	50	0	*	*	23	8
93	29	8	3	20	*	41	18
94	29	27	15	20	*	39	14
95	29	46	27	19	*		

-17 .H. OTT POS CNT VEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
*	*	3	0	1	1	2	1	3
*	*	3	0	2	1	29	2	2
*	*	3	0	2	0	32	2	3
*	*	4	0	1	0	31	2	2
*	*	3	0	1	1	30	3	3
*	*	4	0	2	1	30	3	2
*	*	3	1	1	1	31	3	2
*	*	3	0	1	1	30	4	2
*	*	2	0	1	1	30	3	3
*	*	3	0	1	0	31	3	2
*	*	4	0	1	0	31	3	2
*	*	3	0	1	1	32	2	2
*	*	3	0	1	1	30	3	2
*	*	3	0	1	1	29	3	2
*	*	4	0	1	0	30	3	2
*	*	3	0	1	1	31	3	3
*	*	3	0	1	0	29	2	2
*	*	3	0	1	1	30	3	3
*	*	4	0	1	1	30	3	2
*	*	3	1	2	1	29	3	2
*	*	3	0	1	2	30	3	3
*	*	3	0	1	1	29	2	2
*	*	3	0	1	1	29	3	2
*	*	3	0	1	1	29	3	3
*	*	3	0	2	0	30	3	2
*	*	3	0	1	1	31	3	1
*	*	3	0	1	0	31	3	2
*	*	3	0	2	0	31	3	2
*	*	3	0	2	1	30	3	3
*	*	3	0	1	0	31	3	2
*	*	3	0	2	0	29	3	2
*	*	3	0	*	0	29	2	2
*	*	7	3	*	2	29	3	3
*	*	17	7	0	0	29	3	4
*	*	4	3	0	2	30	3	3
*	*	1	2	1	1	29	3	2
*	*	1	1	1	0	30	4	2
*	*	2	1	2	1	29	2	2
*	*	2	1	2	1	29	2	3
*	*	3	1	1	0	29	3	2
*	*	3	1	2	1	30	3	3
*	*	3	1	1	1	31	3	3
*	*	3	1	2	1	27	3	2
*	*	3	1	1	2	30	3	2
*	*	3	1	1	2	27	4	2
*	*	2	1	1	0	29	2	3
*	*	3	1	3	1	29	3	2
*	*	3	1	3	2	28	3	8
20	*	23	8	20	6	29	6	20
20	*	41	18	24	12	29	15	20
19	*	39	14					

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
96	30	5	30	19	*	39	14
97	30	23	32	19	*	36	13
98	30	42	31	20	*	35	14
99	31	1	33	19	*	35	14
100	31	20	34	20	*	34	13
101	31	39	34	27	*	36	16
102	31	57	76	41	*	57	17
103	32	16	91	53	*	54	19
104	32	35	94	78	*	60	19
105	32	54	*	96	*	58	21
106	33	13	103	96	*	52	21
107	33	31	103	96	*	56	21
108	33	50	102	96	18	60	23
109	34	9	102	96	19	52	20
110	34	28	103	96	30	52	23
111	34	47	103	96	70	55	24
112	35	5	103	95	75	56	20
113	35	24	102	77	93	43	18
114	35	43	102	82	84	45	19
115	36	2	100	84	80	51	19
116	36	20	100	84	80	51	19
117	36	39	100	84	80	49	20
118	36	58	100	83	80	48	18
119	37	17	100	84	80	50	19
120	37	36	100	83	80	49	20
121	37	54	100	83	80	50	17
122	38	13	98	84	78	51	19
123	38	32	100	84	79	50	20
124	38	51	100	84	79	50	20
125	39	10	99	84	78	51	19
126	39	28	99	84	79	51	20
127	39	47	100	84	78	51	20
128	40	6	*	83	78	52	20
129	40	25	99	83	79	57	22
130	40	43	100	82	82	56	20
131	41	2	101	82	82	54	21
132	41	21	98	82	82	55	20
133	41	40	100	82	82	58	21
134	41	59	100	82	82	55	20
135	42	17	99	83	82	54	23
136	42	36	100	82	82	54	25
137	42	55	100	82	82	53	21
138	43	14	99	82	81	55	21
139	43	32	99	82	82	54	21
140	43	51	100	82	82	54	20
141	44	10	100	82	82	55	22
142	44	29	100	82	82	56	19
143	44	48	100	82	82	55	20
144	45	6	100	82	82	55	20
145	45	25	100	83	80	54	21

1-17 R.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
19	*	39	14	25	17	27	19	20
19	*	36	13	2	20	29	22	20
20	*	35	14	6	18	28	21	20
19	*	35	14	*	21	29	21	20
20	*	34	13	20	21	29	22	19
27	*	36	16	4	23	30	24	24
41	*	57	17	22	66	29	62	84
53	*	54	19	21	69	27	63	81
78	*	60	19	21	69	27	65	95
96	*	58	21	22	69	29	60	90
96	*	52	21	22	70	27	60	92
96	*	56	21	24	71	27	58	92
96	18	60	23	24	68	25	60	95
96	19	52	20	21	67	29	59	92
96	30	52	23	22	69	25	58	91
96	70	55	24	22	70	28	60	92
95	75	56	20	21	67	29	58	91
77	93	43	18	22	67	26	58	46
82	84	45	19	20	69	28	60	53
84	80	51	19	21	68	27	67	70
84	80	51	19	21	69	26	65	71
84	80	49	20	21	69	25	66	71
84	80	48	18	21	69	27	66	69
83	80	50	19	20	68	27	65	71
84	80	49	20	20	67	25	66	69
83	80	50	17	20	67	26	63	71
83	78	51	19	20	69	26	63	71
84	79	50	20	18	68	26	61	72
84	79	50	20	18	67	27	60	71
84	78	51	19	18	67	28	60	72
84	79	51	20	21	69	26	60	72
84	78	51	20	22	67	26	62	70
83	78	52	20	21	69	25	63	88
83	79	57	22	21	67	26	63	116
82	82	56	20	22	67	27	64	111
82	82	54	21	22	66	23	62	111
82	82	55	20	22	66	26	65	110
82	82	58	21	23	66	26	64	112
82	82	55	20	22	68	26	54	110
83	82	54	23	23	65	24	64	110
82	82	54	25	22	65	26	66	110
82	82	53	21	22	66	26	64	113
82	81	55	21	22	69	25	63	109
82	82	54	21	24	63	25	63	111
82	82	54	20	22	66	23	63	109
82	82	55	22	21	61	25	65	110
82	82	56	19	23	64	26	63	110
82	82	55	20	23	65	26	64	110
82	82	55	20	21	66	26	63	111
83	80	54	21	22	65	24	66	111

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
146	45	44	99	82	81	54	20
147	46	3	99	83	80	53	22
148	46	21	99	83	80	54	20
149	46	40	98	82	80	54	21
150	46	59	100	83	80	53	21
151	47	18	100	83	80	55	20
152	47	36	99	82	80	54	21
153	47	55	100	82	80	54	18
154	48	14	99	83	80	54	21
155	48	33	99	83	80	52	20
156	48	52	100	83	80	54	19
157	49	10	100	83	81	54	19
158	49	29	*	83	80	54	20
159	49	48	99	83	80	48	19
160	50	7	99	83	80	46	20
161	50	25	100	83	80	48	18
162	50	44	102	83	80	49	20
163	51	3	100	83	80	50	20
164	51	22	97	83	81	60	19
165	51	40	98	83	83	60	20
166	51	59	99	83	84	57	22
167	52	18	99	83	84	60	21
168	52	37	98	83	84	60	21
169	52	56	100	83	84	60	20
170	53	14	100	83	84	58	22
171	53	33	99	83	84	57	20
172	53	52	99	83	84	57	24
173	54	11	99	83	84	57	22
174	54	29	98	84	84	58	23
175	54	48	99	84	84	54	21
176	55	7	100	66	93	41	19
177	55	26	98	67	95	45	17
178	55	44	98	67	94	45	20
179	56	3	97	67	94	46	17
180	56	22	98	75	94	48	19
181	56	41	99	77	95	51	20
182	56	59	99	70	95	49	18
183	57	18	97	70	95	49	18
184	57	37	97	70	94	51	19
185	57	56	98	70	94	51	18
186	58	14	99	70	95	51	18
187	58	33	97	70	94	50	18
188	58	52	98	70	95	50	18
189	59	11	98	70	95	51	19
190	59	30	97	70	94	52	20
191	59	48	98	70	94	51	18
192	60	7	99	86	72	60	20
193	60	26	102	84	72	60	23
194	60	44	*	84	72	58	24
195	61	3	99	84	73	60	23

1-17	1-18	1-19	1-20	1-21	1-22	1-23	1-24	1-25
R.H.	R.H.	ENG.1	ENG.1	ENG.1	ENG.1	ACCESS	MAIN	ENG.1
THROTT	THROTT	OIL	SCAV	FUEL	NOSE	GEAR	GEAR	BLEED
POS	POS	PUMP	PUMP	BOOST	GEAR	BOX	BOX	AIR
		OUTLET	OUTLET	PUMP	BOX	OIL	OIL	
ENT	PERCNT	PRESS	PRESS	OUTLET	OIL	PRESS	PRESS	PRESS
EL	TRAVEL	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG
2	81	54	20	22	65	24	65	113
3	80	53	22	22	66	24	65	113
3	80	54	20	23	66	24	64	112
2	80	54	21	22	65	27	63	111
3	80	53	21	23	65	24	64	111
3	80	55	20	22	67	24	64	111
2	80	54	21	24	66	23	64	110
2	80	54	18	22	65	25	63	111
3	80	54	21	23	66	25	64	110
3	80	52	20	21	66	26	63	111
3	80	54	19	23	66	26	63	111
3	81	54	19	22	65	24	64	112
3	80	54	20	23	63	25	65	113
3	80	48	19	21	65	24	66	66
3	80	46	20	21	66	26	64	71
3	80	48	18	21	68	25	65	68
3	80	49	20	21	67	27	65	78
3	80	50	20	22	66	25	65	83
3	81	60	19	24	66	24	66	134
3	83	60	20	23	65	28	65	133
3	84	57	22	21	66	25	64	135
3	84	60	21	24	66	24	64	134
3	84	60	21	25	66	23	64	137
3	84	60	20	24	65	26	66	134
3	84	58	22	24	64	25	65	135
3	84	57	20	28	65	23	65	131
3	84	57	24	24	64	26	66	133
3	84	57	22	23	66	26	65	136
3	84	58	23	22	65	23	66	135
1	84	54	21	26	67	24	68	113
6	93	41	19	16	67	27	63	46
7	95	45	17	20	65	25	66	60
7	94	45	20	19	66	25	65	59
7	94	46	17	18	65	23	63	60
5	94	48	19	20	64	26	66	74
2	95	51	20	24	63	26	69	89
2	95	49	18	20	65	24	66	79
2	95	49	18	19	66	27	67	83
2	94	51	19	21	65	23	66	82
2	94	51	18	20	66	24	67	83
2	95	51	18	20	66	25	66	81
2	94	50	18	20	63	26	68	81
2	95	50	18	22	66	23	69	81
2	95	51	19	21	63	25	69	81
2	94	52	20	21	66	24	66	83
2	94	51	18	20	63	24	66	80
1	72	60	20	26	66	27	67	135
1	72	60	23	22	65	25	67	134
1	72	58	24	23	63	25	67	136
1	73	60	23	23	66	26	66	134

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
196	61	22	99	84	72	61	20
197	61	41	98	84	72	58	21
198	62	0	98	84	72	57	21
199	62	18	98	84	72	58	22
200	62	37	97	96	69	57	21
201	62	56	96	96	63	58	23
202	63	14	102	96	82	60	19
203	63	33	100	76	80	48	18
204	63	52	99	77	81	50	20
205	64	11	98	72	80	47	20
206	64	29	99	72	80	45	18
207	64	48	101	96	80	58	22
208	65	7	99	95	65	61	21
209	65	26	102	73	81	45	18
210	65	44	100	73	83	46	17
211	66	3	100	91	83	54	20
212	66	22	101	98	65	58	22
213	66	41	98	98	65	60	23
214	66	59	99	98	65	60	21
215	67	18	100	72	87	42	18
216	67	37	101	94	86	55	20
217	67	56	100	98	68	57	22
218	68	14	94	98	53	62	22
219	68	33	96	98	53	61	22
220	68	52	100	98	53	58	22
221	69	11	*	98	53	60	26
222	69	29	100	97	53	58	23
223	69	48	103	98	53	55	18
224	70	7	104	98	53	49	19
225	70	26	*	98	53	56	21
226	70	44	104	98	53	49	20
227	71	3	103	98	53	49	18
228	71	22	103	98	53	51	19
229	71	41	103	98	53	54	20
230	71	59	100	84	53	51	22
231	72	18	100	84	53	50	20
232	72	37	103	96	53	55	20
233	72	55	98	97	53	62	22
234	73	14	104	80	75	42	19
235	73	33	99	81	83	46	19
236	73	52	99	80	80	47	17
237	74	10	101	95	64	60	23
238	74	29	97	95	64	60	26
239	74	48	105	96	63	51	20
240	75	7	99	81	82	46	18
241	75	25	98	72	81	41	18
242	75	44	98	77	81	43	16
243	76	3	103	97	81	49	19
244	76	22	101	98	78	63	24
245	76	40	*	98	69	62	24

1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
72	61	20	23	66	27	67	135
72	58	21	24	64	24	71	135
72	57	21	22	61	24	67	136
72	58	22	24	66	27	66	135
69	57	21	23	64	23	65	139
63	58	23	21	61	25	66	140
82	60	19	23	66	27	66	114
80	58	18	22	62	26	65	75
81	50	20	21	64	24	67	77
80	47	20	20	66	26	66	64
80	45	18	24	63	26	70	65
80	58	22	21	63	24	71	138
65	61	21	26	63	23	64	139
83	45	18	18	64	25	70	62
83	46	17	18	63	25	67	63
83	54	20	21	64	25	62	110
66	58	22	22	69	26	64	138
65	60	23	23	65	22	63	140
69	60	21	24	69	23	62	143
87	42	18	18	65	26	66	44
86	55	20	21	68	26	62	87
68	57	22	26	62	26	63	141
53	62	22	21	60	25	63	143
53	61	22	23	65	25	63	142
53	58	22	25	63	27	63	143
53	60	26	22	63	24	65	143
53	58	23	22	63	27	64	143
53	55	18	21	63	28	63	93
53	49	19	24	65	29	63	94
53	56	21	22	63	23	63	94
53	49	20	22	58	26	61	92
53	49	18	21	65	26	61	92
53	51	19	24	66	26	61	94
53	54	20	21	66	26	63	93
53	51	22	22	63	25	65	88
53	50	20	22	64	26	64	90
53	55	20	22	61	27	60	106
53	62	22	23	64	26	66	143
75	42	18	18	65	23	64	60
80	46	19	20	65	25	63	69
80	47	17	22	64	23	64	68
64	69	23	23	65	23	64	143
64	60	26	21	66	24	63	144
63	51	20	22	66	29	65	85
82	46	18	20	63	25	63	65
81	41	18	18	65	26	63	44
81	43	16	20	66	25	64	48
81	49	19	21	67	25	62	87
78	53	24	22	71	26	63	145
69	62	24	22	64	27	64	145

2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
246	76	59	100	98	69	60	26
247	77	18	103	83	85	48	18
248	77	36	101	72	88	41	16
249	77	55	102	95	87	47	20
250	78	14	102	98	66	61	23
251	78	33	99	98	67	61	22
252	78	51	99	77	82	44	19
253	79	10	98	82	83	42	19
254	79	29	97	98	65	62	24
255	79	48	100	98	64	61	25
256	80	6	98	78	80	45	18
257	80	25	98	79	80	46	18
258	80	44	98	80	80	49	18
259	81	3	98	76	80	45	18
260	81	21	102	98	73	54	22
261	81	40	101	98	73	63	24
262	81	59	99	98	68	63	24
263	82	17	102	70	92	42	16
264	82	36	100	74	84	41	17
265	82	55	100	75	84	44	17
266	83	14	99	74	84	42	18
267	83	32	*	96	71	52	19
268	83	51	100	97	71	61	23
269	84	10	98	97	68	63	25
270	84	29	99	97	68	63	24
271	84	47	99	74	95	41	16
272	85	6	100	75	87	43	17
273	85	25	100	74	86	41	17
274	85	44	100	74	86	42	20
275	86	2	*	98	78	54	21
276	86	21	98	98	66	66	25
277	86	40	100	98	66	64	24
278	86	59	100	98	66	64	24
279	87	17	100	98	66	62	23
280	87	36	*	86	66	63	27
281	87	55	98	89	66	61	23
282	88	14	99	89	66	61	24
283	88	32	99	89	66	63	22
284	88	51	100	89	66	60	23
285	89	10	99	89	66	60	24
286	89	29	100	89	66	59	23
287	89	47	100	89	66	61	25
288	90	6	99	89	66	60	23
289	90	25	100	89	66	60	23
290	90	44	99	89	66	61	22
291	91	2	98	89	66	63	26
292	91	21	99	88	66	60	23
293	91	40	100	89	66	61	24
294	91	59	100	89	66	60	25
295	92	17	99	89	66	60	25

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
98	69	60	26	25	66	26	63	145
83	85	48	18	20	65	26	60	56
72	88	41	16	19	65	26	63	44
95	87	47	20	22	67	26	56	80
98	66	61	23	20	64	25	64	143
98	67	61	22	21	63	24	62	147
77	82	44	19	18	63	26	62	53
82	83	42	19	20	66	24	62	69
98	65	62	24	25	65	25	61	147
98	64	61	25	23	64	24	64	146
78	80	45	18	21	68	23	62	64
79	80	46	18	20	63	25	64	66
80	80	49	18	22	64	26	64	64
76	80	45	18	20	66	24	63	57
98	73	54	22	20	67	23	62	101
98	73	63	24	25	63	28	63	149
98	68	63	24	24	66	26	65	148
70	92	42	16	20	65	26	63	42
74	84	41	17	15	64	26	62	45
75	84	44	17	18	72	25	62	45
74	84	42	18	20	63	23	62	45
96	71	52	19	20	65	24	63	89
97	71	61	23	21	66	23	62	148
97	68	63	25	24	66	24	62	149
97	68	63	24	23	62	23	63	149
74	85	41	16	20	68	23	63	45
75	87	41	17	18	72	24	63	45
74	86	41	17	18	67	25	63	44
74	86	42	20	18	71	25	64	45
98	70	54	21	20	61	26	60	116
98	66	66	25	22	74	24	63	149
98	66	64	24	23	65	25	63	150
98	66	64	24	26	66	25	63	150
98	66	62	23	23	66	23	64	151
86	66	63	27	24	64	21	62	149
89	66	61	23	25	71	22	63	148
89	66	61	24	24	72	24	62	146
89	66	63	22	24	58	26	64	148
89	66	60	23	27	71	23	63	147
89	66	60	24	23	60	24	63	148
89	66	59	23	23	60	24	63	147
89	66	61	25	28	61	23	62	147
89	66	60	23	28	67	25	63	146
89	66	60	23	22	60	25	64	147
89	66	61	22	24	64	23	64	146
89	66	63	26	22	63	25	63	149
88	66	60	23	23	71	24	63	147
89	66	61	24	26	55	25	63	149
89	66	60	25	22	59	26	63	148
89	66	60	25	24	66	23	64	147

2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
296	92	36	99	88	66	61	23
297	92	55	99	89	66	60	23
298	93	13	100	89	66	57	23
299	93	32	99	89	66	60	23
300	93	51	100	89	66	60	22
301	94	10	101	84	86	44	18
302	94	28	102	87	86	45	18
303	94	47	102	87	86	45	17
304	95	6	100	85	81	48	17
305	95	25	99	83	81	46	18
306	95	43	99	83	82	46	18
307	96	2	100	83	82	45	21
308	96	21	100	85	84	48	19
309	96	39	100	83	86	57	23
310	96	52	98	81	83	61	22
311	97	4	98	81	96	61	23
312	97	16	100	83	73	50	19
313	97	28	99	83	73	49	20
314	97	47	102	70	95	42	18
315	98	5	101	79	80	40	15
316	98	24	98	80	69	49	17
317	99	43	97	68	95	49	21
318	99	2	99	85	74	49	19
319	99	20	99	68	95	46	18
320	99	39	99	84	67	51	20
321	99	58	100	84	70	49	20
322	100	16	100	59	96	41	19
323	100	35	103	59	95	41	17
324	100	54	97	85	65	51	21
325	101	13	*	66	96	42	18
326	101	31	102	66	95	42	16
327	101	50	98	85	69	51	19
328	102	9	100	87	84	50	19
329	102	28	100	68	95	44	19
330	102	46	100	68	95	44	20
331	103	5	98	84	70	51	21
332	103	24	99	84	70	52	21
333	103	42	99	84	70	51	22
334	104	1	*	67	95	43	17
335	104	20	104	67	95	42	20
336	104	39	99	79	70	51	19
337	104	57	103	69	95	42	19
338	105	16	100	69	95	44	19
339	105	35	102	80	81	42	16
340	105	53	98	82	71	51	20
341	106	12	100	65	95	45	17
342	106	31	*	65	95	45	18
343	106	50	99	83	70	51	18
344	107	8	99	85	71	54	20
345	107	27	99	64	95	44	17

1-17	1-18	1-19	1-20	1-21	1-22	1-23	1-24	1-25
.H.	R.H.	ENG.1	ENG.1	ENG.1	ENG.1	ACCESS	MAIN	ENG.1
ROTT	THROTT	OIL	SCAV	FUEL	NOSE	GEAR	GEAR	BLEED
POS	POS	PUMP	PUMP	BOOST	GEAR	BOX	BOX	AIR
		OUTLET	OUTLET	PUMP	BOX	OIL	OIL	
RCNT	PERCNT	PRESS	PRESS	OUTLET	OIL	PRESS	PRESS	PRESS
VEL	TRAVEL	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG
88	66	61	23	24	64	24	64	147
89	66	60	23	20	72	25	63	148
89	66	57	23	21	68	27	63	149
33	66	60	23	24	65	25	63	148
89	66	60	22	26	68	24	64	148
84	86	44	18	20	59	24	64	68
87	86	45	18	20	70	26	63	68
87	86	45	17	20	57	26	65	66
85	81	49	17	21	63	23	65	74
83	81	46	18	18	71	26	63	65
83	82	46	18	20	69	24	63	65
83	82	45	21	21	70	23	63	65
85	84	48	19	17	66	21	62	69
83	86	57	23	23	69	25	63	124
81	83	61	22	23	61	23	63	141
81	96	61	23	24	69	25	64	133
83	73	50	19	20	64	22	63	85
83	73	49	20	21	68	21	63	86
70	95	42	18	20	57	24	63	45
79	80	40	15	20	66	23	63	49
80	69	49	17	22	68	23	62	79
68	95	49	21	20	69	25	63	79
85	74	49	19	21	72	25	63	83
68	95	46	18	20	64	23	63	63
84	67	51	20	21	64	24	65	84
84	70	49	20	21	63	26	63	83
59	96	41	19	17	67	25	63	43
59	95	42	17	16	68	28	60	42
85	65	51	21	21	67	24	63	87
66	96	42	18	18	66	24	63	45
66	95	42	16	18	68	26	61	44
85	69	51	19	21	72	24	64	84
87	84	50	19	21	68	24	63	74
68	95	44	19	18	68	24	64	46
68	95	44	20	18	74	22	63	48
84	70	51	21	18	71	22	63	83
84	70	52	21	21	66	25	63	83
84	70	51	22	23	71	24	63	82
67	95	43	17	18	65	24	62	45
67	95	42	20	18	71	26	63	43
79	70	51	19	20	66	23	62	77
69	95	42	19	20	68	25	63	46
69	95	44	19	19	64	23	63	53
80	81	42	16	17	63	24	62	47
82	71	51	20	20	74	25	63	79
65	95	45	17	18	69	26	64	45
65	95	45	18	18	71	24	62	47
53	70	51	18	21	68	20	60	89
86	71	54	20	20	61	26	63	84
64	95	44	17	20	63	25	62	43

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
346	107	46	100	64	95	42	17
347	108	4	100	88	75	51	22
348	108	23	100	65	92	43	18
349	108	42	102	65	92	44	16
350	109	1	100	65	93	44	18
351	109	19	100	65	93	43	17
352	109	38	99	65	93	44	18
353	109	57	100	65	92	43	18
354	110	15	100	65	93	43	19
355	110	34	100	65	92	42	18
356	110	53	100	65	92	44	18
357	111	12	100	66	93	44	17
358	111	30	100	65	92	45	17
359	111	49	99	65	92	44	20
360	112	8	99	65	92	43	18
361	112	26	100	65	92	45	18
362	112	45	100	65	92	45	17
363	113	4	100	65	92	45	18
364	113	23	99	66	92	45	20
365	113	4-	100	65	93	43	18
366	114	0	100	65	93	43	16
367	114	19	100	65	92	43	18
368	114	37	100	66	92	43	18
369	114	56	100	65	92	45	18
370	115	15	100	65	93	44	19
371	115	34	101	66	93	43	19
372	115	52	*	65	92	46	19
373	116	11	100	65	92	43	18
374	116	30	100	65	92	43	17
375	116	49	100	65	93	43	17
376	117	7	100	65	92	43	17
377	117	26	100	65	92	43	17
378	117	44	99	65	92	44	22
379	118	3	*	65	93	44	18
380	118	22	99	65	92	44	18
381	118	41	99	65	92	44	20
382	118	59	99	65	92	43	18
383	119	18	99	65	93	43	20
384	119	37	100	65	93	44	19
385	119	55	99	65	92	45	18
386	120	14	*	65	92	45	20
387	120	33	99	65	92	45	19
388	120	52	100	65	92	45	17
389	121	10	99	65	92	45	20
390	121	29	103	70	92	43	16
391	121	48	100	85	84	49	19
392	122	6	100	84	84	51	22
393	122	25	100	84	84	49	19
394	122	44	100	84	83	50	20
395	123	2	101	84	84	48	19

-17 -H. OTT POS CNT VEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
64	95	42	17	17	57	21	63	43
88	75	51	22	221	71	23	64	83
65	92	43	18	20	61	25	64	46
65	92	44	16	18	66	23	63	46
65	93	44	18	20	77	23	63	47
65	93	43	17	19	63	23	64	45
65	93	44	18	18	83	24	63	47
65	92	43	18	17	68	23	64	46
65	93	43	19	18	66	23	64	45
65	92	42	18	20	72	23	65	46
65	92	44	18	18	65	25	61	46
66	93	44	17	16	64	23	63	45
65	92	45	17	16	66	26	62	46
65	92	44	20	17	67	23	63	45
65	92	43	18	18	66	23	63	46
65	92	45	18	18	66	26	63	46
65	92	45	17	17	60	24	63	46
65	92	45	18	18	69	22	63	46
66	92	45	20	18	67	23	64	46
65	93	43	18	17	66	25	63	46
65	93	43	16	17	66	24	62	45
65	92	43	18	17	69	24	64	46
66	92	43	18	17	69	23	61	45
65	92	45	18	20	64	23	62	45
65	93	44	19	20	75	25	65	46
66	93	43	19	17	64	23	65	45
65	92	46	19	18	69	26	62	45
65	92	43	18	18	66	25	64	45
65	92	43	17	16	66	24	65	46
65	93	43	17	18	74	23	64	45
65	92	43	17	14	67	24	61	45
65	92	43	17	20	77	21	65	45
65	92	44	22	17	61	26	64	47
65	93	44	18	16	69	25	65	47
65	92	44	18	20	70	24	64	47
65	92	44	20	20	71	25	63	47
65	92	43	18	18	73	24	63	46
65	93	43	20	18	63	24	64	47
65	93	44	19	16	63	26	65	45
65	92	45	18	19	68	24	63	46
65	92	45	20	20	69	25	63	46
65	92	45	19	20	64	23	64	47
65	92	45	17	18	78	23	62	46
65	92	45	20	20	64	24	63	46
70	92	43	16	22	65	24	62	54
85	84	49	19	24	71	22	62	69
84	84	51	22	20	71	24	66	68
84	84	49	19	20	69	26	61	68
84	83	50	20	18	65	24	64	67
84	84	48	19	20	72	25	63	68

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
396	123	21	101	84	84	48	19
397	123	40	102	85	84	49	18
398	123	57	101	85	84	47	18
399	124	17	101	84	84	49	20
400	124	36	102	84	84	46	18
401	124	55	101	85	84	48	19
402	125	13	101	84	84	51	19
403	125	32	101	85	84	48	17
404	125	51	100	85	84	48	20
405	126	9	102	85	84	48	19
406	126	28	101	85	84	48	18
407	126	47	102	85	83	49	20
408	127	5	101	85	85	46	21
409	127	24	101	85	85	48	18
410	127	43	100	81	79	48	20
411	128	1	100	83	81	48	19
412	128	20	100	83	81	48	21
413	128	39	100	84	81	47	18
414	128	58	102	95	70	52	19
415	129	16	102	98	65	61	21
416	129	35	100	87	61	61	21
417	129	54	99	87	59	61	21
418	130	12	99	87	59	60	23
419	130	31	99	86	59	59	22
420	130	50	98	87	59	61	21
421	131	8	*	87	59	61	25
422	131	27	*	87	59	61	25
423	131	46	100	87	59	48	20
424	132	4	98	87	85	46	18
425	132	23	99	84	84	61	24
426	132	42	98	82	82	61	22
427	133	1	98	81	82	61	22
428	133	19	99	81	82	44	18
429	133	38	99	81	82	44	18
430	133	57	99	82	80	47	18
431	134	15	100	82	80	46	18
432	134	34	100	81	81	46	18
433	134	53	98	22	81	29	17
434	135	11	98	80	78	48	17
435	135	30	99	22	77	27	14
436	135	49	59	*	*	7	8
437	136	7	38	*	*	*	1
438	136	26	27	*	*	*	1
439	136	45	20	*	*	*	1
440	137	4	15	*	*	0	1
441	137	22	12	*	*	1	0
442	137	41	7	*	*	0	0
443	*	*	*	*	*	*	*

SL6

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
84	84	48	19	21	70	23	63	69
85	84	49	18	17	65	24	63	69
85	84	47	18	21	71	25	62	68
84	84	49	20	20	68	25	62	68
84	84	46	18	21	69	28	62	69
85	84	48	19	20	66	22	61	69
84	84	51	19	21	67	23	63	69
85	84	48	17	21	71	29	63	69
85	84	48	20	21	70	25	62	68
85	84	48	19	20	64	25	62	69
85	84	48	18	19	64	24	63	69
85	84	49	20	20	65	26	64	69
85	83	46	21	20	68	25	63	68
85	85	48	18	21	63	23	63	69
85	85	48	20	17	67	23	62	66
81	79	48	19	22	60	24	63	67
83	81	48	21	19	68	23	62	66
83	81	47	18	17	74	26	61	67
84	81	52	19	22	63	23	58	107
95	70	61	21	23	77	24	63	152
98	65	61	21	24	58	24	63	149
87	61	61	21	23	65	23	63	152
87	59	61	23	20	52	22	63	150
87	59	60	22	26	66	23	60	149
86	59	59	21	22	65	23	60	150
87	59	61	25	23	74	23	60	152
87	59	61	25	22	68	21	62	150
87	59	61	20	21	60	24	62	86
87	59	48	18	22	57	25	63	69
87	85	46	24	22	65	24	61	146
84	84	61	22	24	72	23	61	152
82	82	61	22	21	55	24	63	150
81	82	61	18	18	64	23	63	59
81	82	44	18	19	52	25	63	60
81	82	44	18	20	68	23	62	68
82	80	47	18	19	62	23	63	68
82	80	46	18	22	64	25	62	65
81	81	46	17	8	56	26	62	20
22	81	29	17	21	67	27	63	67
80	78	48	14	19	55	26	61	21
22	77	27	6	4	20	25	44	3
*	*	7	1	0	0	24	21	2
*	*	*	1	1	0	26	9	1
*	*	*	1	2	1	26	4	1
*	*	*	1	2	0	25	3	2
*	*	0	0	2	0	25	0	2
*	*	1	0	2	0	*	0	1
*	*	0	0	*	*	*	*	*
*	*	*	*					

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
1	0	3	1
2	0	22	1
3	0	41	1
4	1	0	1
5	1	19	0
6	1	38	1
7	1	57	1
8	2	16	1
9	2	35	1
10	2	54	1
11	3	13	0
12	3	32	1
13	3	51	1
14	4	10	1
15	4	29	1
16	4	48	1
17	5	7	1
18	5	26	1
19	5	45	1
20	6	4	1
21	6	23	1
22	6	41	1
23	*	*	1
24	7	19	1
25	*	*	1
26	7	57	1
27	8	16	1
28	8	45	2
29	9	4	1
30	9	23	2
31	9	41	1
32	10	0	1
33	10	19	1
34	10	38	1
35	10	57	1
36	27	56	1
37	11	34	1
38	11	53	1
39	12	12	1
40	12	31	1
41	12	50	1
42	13	9	1
43	13	28	1
44	13	46	1
45	14	5	1

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
46	*	*	2
47	14	43	1
48	15	2	1
49	15	21	1
50	15	39	2
51	15	58	1
52	16	17	2
53	16	36	1
54	16	55	1
55	17	14	2
56	17	32	1
57	17	51	1
58	18	10	1
59	18	29	1
60	18	48	1
61	19	6	1
62	19	25	1
63	19	44	2
64	20	3	2
65	20	22	1
66	20	41	1
67	20	59	1
68	21	18	1
69	21	37	2
70	21	56	1
71	22	15	2
72	22	33	2
73	22	52	2
74	23	11	2
75	23	30	2
76	23	49	1
77	24	7	1
78	24	26	0
79	24	45	*
80	25	4	0
81	25	23	0
82	25	42	1
83	26	0	1
84	26	19	1
85	26	38	1
86	26	57	1
87	27	16	1
88	27	34	1
89	27	53	2
90	28	12	1
91	28	31	2
92	28	50	3
93	29	8	4
94	29	27	12
95	29	46	13

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-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
96	30	5	12
97	30	23	12
98	30	42	12
99	31	1	12
100	31	20	12
101	31	39	13
102	31	57	20
103	32	16	21
104	32	35	22
105	32	54	22
106	33	13	21
107	33	31	21
108	33	50	21
109	34	9	22
110	34	28	21
111	34	47	20
112	35	5	21
113	35	24	16
114	35	43	17
115	36	2	21
116	36	20	21
117	36	39	21
118	36	58	22
119	37	17	21
120	37	36	21
121	37	54	21
122	38	13	18
123	38	32	20
124	38	51	24
125	39	10	24
126	39	28	21
127	39	47	21
128	40	6	22
129	40	25	22
130	40	43	23
131	41	2	22
132	41	21	21
133	41	40	22
134	41	59	22
135	42	17	24
136	42	36	23
137	42	55	22
138	43	14	22
139	43	32	24
140	43	51	22
141	44	10	22
142	44	29	23
143	44	48	23
144	45	6	24
145	45	25	24

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
146	45	44	22
147	46	3	22
148	46	21	22
149	46	40	23
150	46	59	23
151	47	18	23
152	47	36	24
153	47	55	24
154	48	14	23
155	48	33	23
156	48	52	24
157	49	10	22
158	49	29	22
159	49	48	20
160	50	7	21
161	50	25	21
162	50	44	20
163	51	3	22
164	51	22	23
165	51	40	23
166	51	59	24
167	52	18	24
168	52	37	25
169	52	56	23
170	53	14	22
171	53	33	23
172	53	52	24
173	54	11	23
174	54	29	24
175	54	48	22
176	55	7	17
177	55	26	21
178	55	44	22
179	56	3	21
180	56	22	21
181	56	41	21
182	56	59	21
183	57	18	21
184	57	37	20
185	57	56	21
186	58	14	24
187	58	33	20
188	58	52	21
189	59	11	25
190	59	30	21
191	59	48	21
192	60	7	23
193	60	26	22
194	60	44	24
195	61	3	23

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
196	61	22	23
197	61	41	24
198	62	0	23
199	62	18	23
200	62	37	24
201	62	56	23
202	63	14	22
203	63	33	24
204	63	52	20
205	64	11	18
206	64	29	22
207	64	48	23
208	65	7	23
209	65	26	22
210	65	44	17
211	66	3	23
212	66	22	23
213	66	41	24
214	66	59	24
215	67	18	18
216	67	37	21
217	67	56	23
218	68	14	25
219	68	33	24
220	68	52	24
221	69	11	22
222	69	29	25
223	69	48	24
224	70	7	22
225	70	26	22
226	70	44	22
227	71	3	22
228	71	22	22
229	71	41	22
230	71	59	22
231	72	18	20
232	72	37	22
233	72	55	24
234	73	14	18
235	73	33	21
236	73	52	18
237	74	10	22
238	74	29	24
239	74	48	22
240	75	7	21
241	75	25	18
242	75	44	20
243	76	3	21
244	76	22	23
245	76	40	25

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
246	76	59	23
247	77	18	18
248	77	36	19
249	77	55	22
250	78	14	22
251	78	33	24
252	78	51	18
253	79	10	20
254	79	29	24
255	79	48	22
256	80	6	21
257	80	25	18
258	80	44	16
259	81	3	21
260	81	21	24
261	81	40	23
262	81	59	22
263	82	17	18
264	82	36	18
265	82	55	19
266	83	14	20
267	83	32	22
268	83	51	24
269	84	10	22
270	84	29	22
271	84	47	20
272	85	6	18
273	85	25	20
274	85	44	18
275	86	2	21
276	86	21	22
277	86	40	23
278	86	59	23
279	87	17	23
280	87	36	23
281	87	55	22
282	88	14	23
283	88	32	23
284	88	51	23
285	89	10	24
286	89	29	24
287	89	47	23
288	90	6	24
289	90	25	24
290	90	44	23
291	91	2	24
292	91	21	23
293	91	40	22
294	91	59	22
295	92	17	23

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
296	92	36	22
297	92	55	23
298	93	13	24
299	93	32	24
300	93	51	23
301	94	10	18
302	94	28	24
303	94	47	18
304	95	6	21
305	95	25	18
306	95	43	21
307	96	2	18
308	96	21	24
309	96	39	24
310	96	52	22
311	97	4	23
312	97	16	21
313	97	28	21
314	97	47	17
315	98	5	18
316	98	24	20
317	99	43	21
318	99	2	21
319	99	20	23
320	99	39	21
321	99	58	20
322	100	16	18
323	100	35	18
324	100	54	24
325	101	13	17
326	101	31	19
327	101	50	20
328	102	9	22
329	102	28	17
330	102	46	16
331	103	5	21
332	103	24	22
333	103	42	24
334	104	1	20
335	104	20	19
336	104	39	20
337	104	57	17
338	105	16	21
339	105	35	19
340	105	53	18
341	106	12	20
342	106	31	18
343	106	50	21
344	107	8	24
345	107	27	17

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
346	107	46	17
347	108	4	21
348	108	23	16
349	108	42	19
350	109	1	17
351	109	19	17
352	109	38	18
353	109	57	20
354	110	15	20
355	110	34	20
356	110	53	17
357	111	12	18
358	111	30	20
359	111	49	20
360	112	8	17
361	112	26	18
362	112	45	19
363	113	4	18
364	113	23	18
365	113	41	18
366	114	0	17
367	114	19	17
368	114	37	18
369	114	56	18
370	115	15	20
371	115	34	19
372	115	52	20
373	116	11	21
374	116	30	18
375	116	48	20
376	117	7	19
377	117	26	17
378	117	44	18
379	118	3	17
380	118	22	20
381	118	41	18
382	118	59	20
383	119	18	17
384	119	37	17
385	119	55	18
386	120	14	18
387	120	33	18
388	120	52	19
389	121	10	15
390	121	29	16
391	121	48	21
392	122	6	20
393	122	25	20
394	122	44	21
395	123	2	18

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1-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
396	123	21	17
397	123	40	20
398	123	57	20
399	124	17	18
400	124	36	18
401	124	55	21
402	125	13	20
403	125	32	18
404	125	51	21
405	126	9	21
406	126	28	21
407	126	47	20
408	127	5	21
409	127	24	18
410	127	43	21
411	128	1	21
412	128	20	20
413	128	39	18
414	128	58	21
415	129	16	22
416	129	35	22
417	129	54	24
418	130	12	23
419	130	31	22
420	130	50	22
421	131	8	21
422	131	27	22
423	131	46	21
424	132	4	20
425	132	23	24
426	132	42	22
427	133	1	23
428	133	19	22
429	133	38	18
430	133	57	18
431	134	15	17
432	134	34	17
433	134	53	14
434	135	11	21
435	135	30	13
436	135	49	4
437	136	7	0
438	136	26	1
439	136	45	2
440	137	4	2
441	137	22	2
442	137	41	3
443	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
1	0	6	1	50	50	0	55
2	0	25	1	30	50	0	65
3	0	44	1	50	50	0	50
4	1	3	1	50	55	0	55
5	1	22	1	50	40	0	60
6	*	*	1	45	50	0	60
7	2	0	1	40	50	0	50
8	*	*	1	50	55	0	50
9	2	38	1	50	50	0	50
10	2	49	1	25	45	0	55
11	*	*	1	25	40	0	50
12	*	*	1	50	35	0	65
13	3	53	1	25	50	0	45
14	*	*	1	55	50	0	65
15	*	*	1	50	60	0	55
16	*	*	1	45	35	0	60
17	5	9	1	35	50	0	50
18	5	28	1	50	55	0	70
19	*	*	1	55	55	1	60
20	6	6	0	55	50	31	3035
21	*	*	0	45	55	26	3140
22	6	44	0	40	50	33	3030
23	7	3	0	50	60	33	3000
24	7	22	0	40	60	40	3015
25	*	*	0	50	60	2	90
26	*	*	0	50	60	1	60
27	*	*	0	40	55	1	55
28	8	47	1	55	55	0	70
29	9	6	1	60	50	1	60
30	*	*	1	50	60	1	50
31	9	44	1	50	35	1	60
32	10	3	1	50	70	0	60
33	10	21	1	40	50	1	50
34	10	40	1	70	55	1	70
35	*	*	1	50	55	1	60
36	11	18	1	50	55	1	60
37	11	37	1	50	55	1	55
38	*	*	1	50	50	1	55
39	*	*	1	50	60	1	55
40	*	*	1	30	50	1	55
41	12	52	1	50	50	1	60
42	*	*	1	40	55	1	55
43	*	*	1	50	60	1	50
44	13	49	1	25	50	1	55
45	14	8	1	35	50	1	60

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

06 GE D. HP ET SS IG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
50	50	0	55	14	10	14	16	0
30	50	0	65	24	12	6	14	1
50	50	0	50	29	12	6	16	0
30	55	0	55	24	16	14	6	1
50	40	0	60	34	10	20	14	0
45	50	0	60	24	8	12	10	1
40	50	0	50	34	10	16	14	0
50	55	0	50	29	10	16	20	0
50	50	0	50	34	6	4	20	0
25	45	0	55	24	10	14	16	1
25	40	0	50	39	14	6	16	0
50	35	0	65	14	12	14	4	1
25	50	0	45	19	14	10	16	1
55	50	0	65	14	10	10	20	1
50	60	0	55	39	6	16	18	0
45	35	0	60	24	8	14	14	0
35	50	0	50	24	18	6	20	1
50	55	0	70	34	8	16	20	1
55	55	1	60	34	20	20	14	1
55	50	31	3035	2996	1061	1061	42	28
45	55	26	3140	2991	1061	1059	44	28
40	50	33	3030	3001	1051	1067	44	31
50	60	33	3000	3404	1047	1059	50	30
40	60	40	3015	2986	1055	1053	48	28
50	60	2	90	69	6	4	16	0
50	60	1	60	49	6	4	16	1
40	55	1	55	49	12	4	16	0
55	55	0	70	34	16	14	6	0
60	50	1	60	34	16	14	10	1
50	60	1	50	34	4	12	10	1
50	35	1	60	34	16	12	6	1
50	70	0	60	34	10	8	14	0
40	50	1	50	49	6	4	16	0
70	55	1	70	24	6	10	12	1
50	55	1	60	44	6	16	14	0
50	55	1	60	34	4	12	10	1
50	55	1	55	34	6	8	12	0
50	50	1	55	24	14	8	16	1
50	60	1	55	49	12	4	14	0
30	50	1	55	24	12	6	20	1
50	50	1	60	49	8	12	10	0
40	55	1	55	39	6	16	10	1
50	60	1	50	34	20	2	12	0
25	50	1	55	39	16	6	12	0
35	50	1	60	39	12	10	6	1

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
46	*	*	0	50	65	0	60
47	14	45	0	50	50	39	3060
48	15	4	1	50	55	27	3055
49	15	23	1	40	70	26	3140
50	*	*	1	50	65	22	3030
51	16	1	0	50	55	24	3060
52	16	19	1	35	45	39	3100
53	16	38	1	35	50	36	3100
54	16	57	1	60	60	20	2920
55	17	16	1	50	60	33	3025
56	17	35	1	50	60	40	3055
57	17	53	1	40	60	41	2920
58	18	12	1	50	55	22	2920
59	18	31	1	30	50	44	3005
60	18	50	1	50	60	36	3000
61	19	9	1	45	65	33	3050
62	19	28	1	50	60	33	3040
63	19	46	1	50	60	20	3055
64	20	5	1	50	55	40	3055
65	20	24	1	45	50	40	3055
66	20	43	1	50	60	32	3165
67	21	2	0	45	50	34	3070
68	21	20	0	45	60	33	2920
69	21	39	0	50	60	40	3050
70	21	58	0	30	60	27	3070
71	22	17	0	35	40	27	3075
72	22	36	0	50	35	26	3105
73	22	55	0	45	60	22	3070
74	23	13	0	50	55	32	3000
75	23	32	0	50	65	24	3045
76	23	51	0	50	60	23	3105
77	24	10	0	50	55	33	2920
78	24	29	0	30	60	21	3025
79	24	47	6	573	562	23	3005
80	25	6	7	553	552	44	3100
81	25	25	5	417	406	21	3070
82	25	44	1	55	70	34	3025
83	26	3	1	60	55	27	3025
84	26	21	4	473	466	32	3080
85	26	40	2	533	552	21	3055
86	26	59	5	422	451	44	3005
87	27	18	1	55	80	32	3100
88	27	37	1	55	60	22	3005
89	27	55	1	35	45	27	3025
90	28	14	0	45	55	32	3100
91	28	33	0	40	55	24	3075
92	28	52	0	40	55	40	3045
93	29	11	6	614	607	36	3060
94	29	29	23	2839	2846	27	3025
95	29	48	14	2905	2931	32	3100

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2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
65	0	60	74	12	16	10	14
50	39	3060	3016	40	32	40	27
55	27	3055	3021	34	40	42	30
70	26	3140	3016	44	36	48	29
65	22	3030	3016	42	40	44	30
55	24	3060	3011	40	40	48	29
45	39	3100	2996	38	34	42	30
50	36	3100	3001	44	42	48	30
60	20	2920	2996	40	44	46	31
60	33	3025	3001	42	42	44	28
60	40	3055	2981	42	40	46	30
60	41	2920	2981	34	34	44	31
55	22	2920	2986	42	36	44	30
50	44	3005	2986	36	42	48	30
60	36	3000	3001	42	30	46	31
65	33	3050	2947	1047	1055	44	30
60	33	3040	2922	1047	1053	48	30
60	20	3055	2967	1057	1049	46	31
55	40	3055	2962	1047	1049	48	32
50	40	3055	2947	1061	1059	42	32
60	32	3165	2758	1061	1055	42	31
50	34	3070	3001	1045	1049	44	30
60	33	2920	2981	1053	1049	42	28
60	40	3050	2986	1041	1037	46	31
60	27	3070	2981	1049	1037	48	32
40	27	3075	2981	1033	1037	42	31
35	26	3105	2981	1041	1045	42	30
60	22	3070	2977	1035	1033	42	30
55	32	3000	2977	1035	1039	46	31
65	24	3045	2967	1041	1033	42	30
60	23	3105	2967	1039	1037	46	30
55	33	2920	2952	1035	1033	46	32
60	21	3025	2972	1037	1033	52	31
562	23	3005	2977	1031	1043	52	27
552	44	3100	2977	1041	1031	44	32
406	21	3070	2981	1027	1043	46	29
70	34	3025	2981	1039	1037	42	30
55	27	3025	2981	1041	1031	54	31
466	32	3080	2972	1035	1031	56	38
552	21	3055	2981	1045	1041	42	32
451	44	3005	2972	1033	1041	46	30
80	32	3100	2972	1033	1029	48	32
60	22	3005	2952	1031	1033	42	30
45	27	3025	2972	1029	1031	40	30
55	32	3100	3056	1035	1029	44	28
55	24	3075	2967	1027	1029	46	30
55	40	3045	2972	1039	1035	50	34
607	36	3060	2972	1033	1027	48	31
2846	27	3025	2952	1045	1029	46	31
2931	32	3100	2952	1025	1027	44	30

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
96	30	7	*	2925	2936	33	2920
97	30	26	40	2945	3012	33	3010
98	30	45	25	2910	2901	23	3050
99	31	3	41	2895	2951	33	3010
100	31	22	16	2925	2936	33	3005
101	31	41	17	2970	2961	33	2920
102	32	0	34	3061	3052	24	3009
103	32	18	33	3071	3032	34	3025
104	32	37	32	3041	3017	24	3055
105	32	56	31	3015	3052	33	3005
106	33	15	42	3031	3062	26	2970
107	33	34	35	2945	3057	31	3055
108	33	52	37	3041	3062	33	3050
109	34	11	27	3066	3037	40	3010
110	34	30	34	3046	3032	33	3005
111	34	49	29	3026	3057	33	3100
112	35	8	34	3026	3012	34	2970
113	35	26	40	2945	3032	38	2970
114	35	45	37	3051	3012	40	3020
115	36	4	30	3031	3032	24	2990
116	36	23	38	3066	3022	40	2995
117	36	42	25	3041	3027	44	3100
118	37	0	38	2985	3022	21	2880
119	37	19	48	2995	3017	22	3055
120	37	38	32	2965	3072	26	3025
121	37	57	35	3061	3012	24	3055
122	38	15	40	3000	3032	26	3100
123	38	34	37	3061	3017	20	3010
124	38	53	22	3020	3037	27	3100
125	39	12	32	2935	3037	40	3060
126	39	31	27	3066	2996	21	3000
127	39	49	21	2990	2986	22	2920
128	40	8	27	3066	2996	32	3100
129	40	27	35	3061	3017	33	3100
130	40	46	27	2980	3012	33	3055
131	41	5	40	2980	3012	26	3100
132	41	23	22	2885	3012	27	3000
133	41	42	21	2895	3012	22	3010
134	42	1	44	2980	3012	33	3020
135	42	20	33	2980	3012	20	3050
136	42	38	28	3061	2976	29	3050
137	42	57	26	2990	2976	32	3020
138	43	16	30	3020	2976	44	3050
139	43	35	37	3066	2976	40	3055
140	43	54	40	3000	3012	21	3020
141	44	12	21	2935	3012	32	3055
142	44	31	37	3066	3022	29	3060
143	44	50	36	2965	3001	40	3005
144	45	9	32	2885	3017	40	2880
145	45	27	44	2965	3012	27	3050

06 GE D. MP ET SS IG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
5	2936	33	2920	2937	1023	1027	48	30
5	3012	33	3010	2947	1023	1021	40	30
0	2901	23	3050	54	1025	1027	34	32
5	2951	33	3010	2981	1033	1027	44	30
5	2936	33	3005	2947	1023	1031	44	32
0	2961	33	2920	2957	1023	1023	44	26
1	3052	24	3005	2932	1029	1017	44	29
1	3032	34	3025	2937	1029	1021	40	29
1	3017	24	3055	2952	1027	1031	60	30
5	3052	33	3005	2952	1029	1027	34	32
1	3062	26	2970	2952	1027	1047	40	32
5	3057	31	3055	2981	1023	1019	42	29
1	3062	33	3050	2981	1023	1027	48	24
6	3037	40	3010	2942	1021	1021	42	29
5	3032	33	3005	2981	1017	1027	48	29
5	3057	33	3100	2957	1021	1027	40	28
5	3012	34	2970	2932	1023	1029	44	29
5	3032	38	2970	2917	1025	1021	38	29
1	3012	40	3020	2957	1031	1027	48	27
1	3032	24	2990	2981	1023	1035	30	30
1	3022	40	2995	2962	1041	1027	34	29
1	3027	44	3100	2972	1025	1029	38	30
5	3022	21	2880	2957	1021	1031	40	30
5	3017	22	3055	2937	1029	1009	46	29
5	3072	26	3025	2932	1029	1015	40	28
1	3012	24	3055	2972	1021	1015	46	32
5	3032	26	3100	2981	1021	1019	44	28
1	3017	20	3010	2937	1023	1019	44	31
1	3037	27	3100	2977	1011	1023	38	30
5	3037	40	3060	2957	1029	1025	36	28
5	2996	21	3000	2977	1023	1019	44	29
1	2986	22	2920	2937	1021	1021	36	29
1	2996	32	3100	2917	1029	1025	40	31
1	3017	33	3100	2957	1021	1021	44	29
1	3012	33	3055	2937	1021	1021	38	30
1	3012	26	3100	2957	1031	1019	44	30
1	3012	27	3000	2937	1023	1029	40	29
5	3012	22	3010	2937	1021	1023	30	30
1	3012	33	3020	2932	1015	1013	44	29
1	3012	20	3050	2972	1037	1027	36	30
1	2976	29	3050	2947	1017	1027	40	30
1	2976	32	3020	2947	1023	1013	44	28
1	2976	44	3050	2962	1021	1021	40	30
1	2976	40	3055	2981	1011	1031	32	26
1	3012	21	3020	2952	1023	1027	32	27
1	3012	32	3055	2952	1015	1021	36	28
1	3022	29	3060	2947	1021	1021	30	28
1	3001	40	3005	2947	1023	1009	44	32
1	3017	40	2880	2952	1023	1023	44	30
1	3012	27	3050	2957	1017	1035	26	30

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
146	45	46	33	2895	3017	40	3060
147	46	5	33	2980	2971	22	3100
148	46	24	42	2980	3012	40	3005
149	46	42	21	3020	3012	40	2920
150	47	1	37	3066	2976	26	3000
151	47	20	21	2885	3017	32	3005
152	47	39	27	2885	3012	32	3100
153	47	58	22	2980	2986	33	3015
154	48	16	33	2935	3001	28	3050
155	48	35	29	3020	2976	22	3100
156	48	54	35	3066	3001	27	3005
157	49	13	29	2985	2971	32	3025
158	49	31	*	2905	2926	44	3010
159	49	50	30	2980	2981	40	3050
160	50	9	37	3061	2976	24	2955
161	50	28	26	2990	3017	27	3010
162	50	46	31	3041	3062	33	3005
163	51	5	30	3041	3012	32	3010
164	51	24	32	2980	3017	21	2980
165	51	43	21	2965	3052	32	3060
166	52	2	21	2975	3017	32	3050
167	52	20	29	2970	3006	33	3010
168	52	39	27	2980	3012	44	3005
169	52	58	28	2980	3017	41	3005
170	53	17	20	3066	3012	40	3005
171	53	35	29	3026	3012	40	2865
172	53	54	25	3020	3012	32	3050
173	54	13	18	3020	3012	21	3060
174	54	32	35	2980	3017	33	3010
175	54	50	37	2915	3017	27	3010
176	55	9	33	2980	3012	21	3000
177	55	28	36	2940	3012	29	3020
178	55	47	41	3020	2976	40	3010
179	56	5	41	2965	3017	35	3045
180	56	24	35	2970	2976	32	3060
181	56	43	21	2980	2976	26	3010
182	57	2	30	2965	3001	41	3020
183	57	20	34	2900	2976	34	3050
184	57	39	22	2975	2976	21	3060
185	57	58	31	2980	2976	24	3050
186	58	17	32	2980	2976	21	2960
187	58	36	33	2980	2976	29	3020
188	58	54	40	3020	2976	21	2980
189	59	13	24	2965	3017	30	2955
190	59	32	34	2940	3012	32	2960
191	59	51	33	2965	3001	26	3000
192	60	9	37	2980	3006	21	3060
193	60	28	33	2980	3017	22	3050
194	60	47	25	3066	2981	32	2875
195	61	6	25	2975	3052	26	3005

2-06 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
3095	3017	40	3060	2932	1007	1023	34	31
2980	2971	22	3100	2972	1021	1029	36	29
3060	3012	40	3005	2981	1017	1013	30	27
3020	3012	40	2920	2952	1007	1019	30	30
3066	2976	26	3000	2937	1017	1023	36	32
3085	3017	32	3005	2952	1013	1023	34	26
3085	3012	32	3100	2972	1015	1023	34	27
2980	2986	33	3015	2937	1021	1023	40	30
2935	3001	28	3050	2952	1021	1017	40	32
3020	2976	22	3100	2937	1017	1027	36	31
3066	3001	27	3005	2917	1021	1021	28	27
2985	2971	32	3025	2907	1017	1027	26	30
2905	2926	44	3010	2917	1025	1017	40	30
2980	2981	40	3050	2937	1021	1023	36	31
3061	2976	24	2955	2937	1015	1023	34	27
2990	3017	27	3010	2937	1025	1021	30	29
3041	3062	33	3005	2972	1015	1023	44	30
3041	3012	32	3010	2981	1017	1027	32	28
2980	3017	21	2980	2947	1021	1023	40	30
2965	3052	32	3060	2957	1017	1027	32	28
2975	3017	32	3050	2947	1019	1027	36	29
2970	3006	33	3010	2947	1023	1015	28	30
2980	3012	44	3005	2947	1023	1009	30	29
2980	3017	41	3005	2981	1021	1019	36	29
3066	3012	40	3005	2972	1023	1015	32	29
3026	3012	40	2865	2932	1023	1013	36	30
3020	3012	32	3050	2981	1025	1015	34	30
3020	3012	21	3060	2981	1015	1013	34	28
2990	3017	33	3010	2952	1021	1023	36	31
2915	3017	27	3010	2981	1029	1009	26	30
2980	3012	21	3000	2937	1017	1011	32	30
2940	3012	29	3020	2932	1021	1021	26	28
3020	2976	40	3010	2952	1021	1017	20	32
2965	3017	35	3045	2947	1015	1017	34	29
2970	2976	32	3060	2937	1015	1011	40	28
2980	2976	26	3010	2932	1021	1013	36	27
2965	3001	41	3020	2947	1017	1017	32	30
2900	2976	34	3050	2947	1015	1011	34	27
2975	2976	21	3060	2962	1007	1023	38	29
2980	2976	24	3050	2942	1021	1015	36	30
2900	2976	21	2960	2952	1021	1013	34	29
2980	2976	29	3020	2972	1019	1023	36	30
3020	2976	21	2980	2917	1021	1013	34	32
2965	3017	30	2955	2957	1021	1013	34	29
2940	3012	32	2960	2981	1011	1015	32	30
2965	3001	26	3000	2952	1019	1007	36	30
2980	3006	21	3060	2942	1011	1017	36	30
2980	3017	22	3050	2952	1013	1019	26	30
3066	2981	32	2875	2962	1017	1023	34	30
2975	3052	26	3005	2947	1015	1019	34	30

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
196	61	24	32	3026	3012	32	3050
197	61	43	20	3026	3012	35	3020
198	62	2	40	3020	2996	25	3005
199	62	21	20	2885	2991	21	3000
200	62	39	27	2935	3032	25	2965
201	62	58	34	2960	3017	26	2960
202	63	17	33	3071	3017	33	2960
203	63	36	40	2990	3012	24	3005
204	63	54	42	2980	3032	40	3005
205	64	13	33	2980	3017	19	2980
206	64	32	33	2940	3012	34	3020
207	64	50	22	3041	2986	31	3010
208	65	9	27	3041	2971	41	3045
209	65	28	32	2980	3012	27	3000
210	65	47	21	2980	3032	18	3025
211	66	5	25	3031	3022	30	3100
212	66	24	33	3061	3017	33	3100
213	66	43	32	2975	3017	32	3000
214	67	2	25	2895	2931	36	3005
215	67	20	25	2980	3022	33	3100
216	67	39	25	3031	3012	23	3010
217	67	58	40	2980	2976	24	3050
218	68	17	31	2960	3001	34	3005
219	68	35	32	2900	3012	32	3020
220	68	54	30	2980	3017	40	3020
221	69	13	26	2885	2976	40	3050
222	69	32	35	3066	2976	32	3020
223	69	50	33	3071	3012	42	3005
224	70	9	42	3041	3022	23	2970
225	70	28	30	3031	3022	34	3015
226	70	47	40	3071	2991	40	2970
227	71	5	40	3071	3032	38	3000
228	71	24	42	2990	2991	23	2970
229	71	43	25	2925	3006	33	2990
230	72	2	21	2975	3017	32	3060
231	72	20	37	3026	2971	25	3100
232	72	39	35	3041	3022	21	2965
233	72	58	21	2980	2971	32	3045
234	73	17	35	2975	2991	21	2965
235	73	35	29	2980	2976	32	2995
236	73	54	32	3061	3012	20	3020
237	74	13	27	2885	3012	32	3005
238	74	31	41	2980	2981	41	3045
239	74	50	42	2925	2991	23	2970
240	75	9	30	3026	3001	32	3000
241	75	28	29	2975	3012	32	2955
242	75	46	34	3026	3012	41	2915
243	76	5	27	3071	3017	24	3000
244	76	24	22	2980	3012	33	3005
245	76	43	28	2885	3017	32	2955

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-06 AGE YD. UMP LET ESS SIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
26	3012	32	3050	2957	1021	1013	26	30
26	3012	35	3020	2942	1021	1019	34	30
20	2996	25	3005	2947	1017	1009	34	30
85	2991	21	3000	2932	1015	1013	36	28
35	3032	25	2965	2932	1015	1011	36	28
60	3017	26	2960	2952	1017	1019	40	31
71	3017	33	2960	2937	1021	1019	40	28
90	3012	24	3005	2942	1017	1015	34	31
80	3032	40	3005	2957	1017	1015	34	28
80	3017	19	2980	2947	1013	1019	28	29
40	3012	34	3020	2932	1013	1013	36	30
41	2986	31	3010	2897	1019	1021	40	29
41	2971	41	3045	2942	1021	1009	36	30
80	3012	27	3000	2957	1017	1011	36	30
80	3032	18	3025	2952	1013	1007	34	30
31	3022	30	3100	2952	1015	1015	38	32
61	3017	33	3100	2952	1021	1019	30	30
75	3017	32	3000	2942	1021	1019	40	30
95	2931	36	3005	2952	1015	1013	36	30
80	3022	33	3100	2952	1015	1015	34	32
31	3012	23	3010	2947	1009	1013	28	32
80	2976	24	3050	2917	1017	1013	32	29
60	3001	34	3005	2962	1017	1009	40	30
00	3012	32	3020	2952	1021	1015	32	30
80	3017	40	3020	2937	1013	1023	34	28
85	2976	40	3050	2932	1023	1019	26	28
66	2976	32	3020	2937	1015	1019	36	27
71	3012	42	3005	2932	1007	1015	30	30
41	3022	23	2970	2947	1013	1017	32	28
31	3022	34	3015	2967	1013	1023	26	28
71	2991	40	2970	2952	1011	1009	40	29
71	3032	38	3000	2942	1015	1019	32	26
90	2991	23	2970	2942	1013	1009	36	30
25	3006	33	2990	2937	1015	1013	32	30
75	3017	32	3060	2947	1007	1019	32	30
26	2971	25	3100	2937	1015	1007	36	29
41	3022	21	2965	2972	1017	1009	36	27
80	2971	32	3045	2947	1007	1011	32	29
75	2991	21	2865	2937	1007	1015	30	30
80	2976	32	2995	2942	1015	1017	32	27
61	3012	20	3020	2952	1011	1009	34	31
85	3012	32	3005	2947	1017	1017	28	30
80	2981	41	3045	2962	1007	1027	34	30
25	2991	23	2970	2942	1017	1013	26	30
26	3001	32	3000	2927	1017	1013	30	30
75	3012	32	2955	2942	1015	1019	32	32
26	3012	41	2915	2882	1015	1013	36	29
71	3017	24	3000	2942	1011	1013	32	30
80	3012	33	3005	2947	1021	1013	32	29
85	3017	32	2955	2942	1021	1015	36	27

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
246	77	1	33	2885	3012	26	2955
247	77	20	33	2885	2971	20	2990
248	77	39	40	3020	3017	20	2885
249	77	58	48	3071	3022	16	2970
250	78	16	30	2885	3012	26	3040
251	78	35	25	2980	3012	23	2875
252	78	54	32	2885	3012	36	3060
253	79	12	27	2940	2971	40	3010
254	79	31	31	2975	3017	32	2980
255	79	50	40	2885	3017	21	3020
256	80	9	31	3066	3012	27	3020
257	80	27	27	2930	2971	32	2920
258	80	46	31	2980	3017	21	3050
259	81	5	33	2965	3012	21	2915
260	81	24	34	2874	2986	27	3010
261	81	42	34	2990	3017	33	2885
262	82	1	27	2885	2976	22	3020
263	82	20	34	3031	3022	23	2960
264	82	39	33	2935	2956	33	3025
265	82	57	30	2980	2981	33	3020
266	83	16	32	3066	3012	32	3055
267	83	35	40	3020	3017	27	2965
268	83	53	24	2935	2991	32	3005
269	84	12	22	2965	3006	21	2955
270	84	31	26	2980	2956	32	2980
271	84	50	36	2980	2976	36	3005
272	85	8	34	2980	3017	33	2885
273	85	27	29	2940	3012	25	3020
274	85	46	34	3041	3001	32	2975
275	86	5	29	2990	3012	24	3040
276	86	23	32	2885	2926	22	3050
277	86	42	30	2980	3012	26	3005
278	87	1	29	3066	2956	34	2995
279	87	20	22	3026	2971	24	2920
280	87	38	31	2965	3012	29	3000
281	87	57	34	2970	2976	22	3020
282	88	16	40	3026	2976	33	3005
283	88	35	27	2885	3012	24	2920
284	88	53	24	2930	2971	22	3025
285	89	12	25	2970	2976	40	3060
286	89	31	30	2975	3012	36	3050
287	89	50	30	3026	3012	40	2875
288	90	8	24	2885	2976	33	3000
289	90	27	32	2930	2981	21	3000
290	90	46	24	2895	2971	32	2880
291	91	5	29	3020	3012	32	2980
292	91	23	29	3066	2956	27	3050
293	91	42	22	2980	2971	27	2920
294	92	1	25	2980	2971	40	3020
295	92	20	41	3066	3012	24	3000

2-06 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
3085	3012	26	2955	2932	1017	1007	36	27
3085	2971	20	2990	2937	1021	1013	26	30
3020	3017	20	2885	2942	1017	1017	36	32
3071	3022	16	2970	2962	1009	1023	28	29
3085	3012	26	3040	2947	1021	1017	26	31
3080	3012	23	2875	2937	1015	1013	32	28
3085	3012	36	3060	2937	1021	1013	26	29
3040	2971	40	3010	2937	1015	1013	32	29
3075	3017	32	2980	2957	1015	1019	26	27
3085	3017	21	3020	2986	1017	1013	30	30
3066	3012	27	3020	2917	1017	1013	32	29
3030	2971	32	2920	2932	1017	1009	26	30
3080	3017	21	3050	2942	1011	1015	36	30
3065	3012	21	2915	2947	1017	1009	28	30
3074	2986	27	3010	2932	1007	1009	32	32
3090	3017	33	2885	2947	1021	1013	26	30
3085	2976	22	3020	2972	1015	1015	32	28
3031	3022	23	2960	2942	1021	1019	32	26
3035	2956	33	3025	2932	1015	1019	30	29
3080	2981	33	3020	2952	1017	1021	34	26
3066	3012	32	3055	2932	1021	1015	32	29
3020	3017	27	2965	2937	1007	1009	26	30
3035	2991	32	3005	2917	1021	1013	28	28
3065	3005	21	2955	2942	1015	1011	36	32
3080	2956	32	2980	2917	1009	1009	32	30
3086	2976	36	3005	2947	1021	1015	34	30
3080	3017	33	2885	2937	1017	1011	32	27
3040	3012	25	3020	2952	1013	1013	34	30
3041	3001	32	2975	2947	1011	1009	36	30
3090	3012	24	3040	2932	1013	1013	36	32
3085	2926	22	3050	2986	1015	1009	34	30
3080	3012	26	3005	2947	1021	1015	28	30
3066	2956	34	2995	2947	1005	1015	28	30
3026	2971	24	2920	2937	1011	1007	28	29
3065	3012	29	3000	2937	1013	1013	36	30
3070	2975	22	3020	2947	1013	1013	28	28
3026	2976	33	3005	2952	1017	1013	26	27
3085	3012	24	2920	2932	1009	1015	28	29
3030	2971	22	3025	2917	1007	1019	26	30
3070	2976	40	3060	2947	1007	1011	32	30
3075	3012	36	3050	2932	1013	1013	32	29
3026	3012	40	2875	2942	1007	1015	34	32
3085	2976	33	3000	2947	1009	1019	30	28
3030	2981	21	3000	2942	1003	1015	34	32
3095	2971	32	2880	2937	1013	1047	32	28
3020	3012	32	2980	2947	1003	1019	26	28
3066	2956	27	3050	2952	1015	1011	32	26
3080	2971	27	2920	2957	1009	1013	36	30
3080	2971	40	3020	2947	1013	1009	36	30
3066	3012	24	3000	2937	1009	1009	36	29

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
296	92	38	36	2905	3032	29	3020
297	92	57	21	2980	3001	20	3000
298	93	16	21	2980	2971	40	3020
299	93	34	26	2980	2971	21	3005
300	93	53	27	2930	3032	21	3020
301	94	12	32	2940	3012	40	3005
302	94	31	30	2915	3027	40	3010
303	94	49	30	3031	3012	29	2960
304	95	8	42	2885	2976	27	3040
305	95	27	28	2885	3017	21	2980
306	95	46	31	2965	2971	33	2920
307	96	4	25	2950	3012	32	3100
308	96	23	40	3041	3012	26	2885
309	96	42	30	2940	3027	38	3100
310	96	54	32	2940	2976	32	3005
311	97	6	24	2864	3012	31	2970
312	97	18	30	3026	2976	44	3005
313	97	30	32	2885	3012	26	2955
314	97	49	40	2885	2971	26	3020
315	98	8	30	2915	2941	17	2995
316	98	26	33	3020	2971	33	3020
317	98	45	26	2880	2876	30	2870
318	99	4	22	2980	3017	39	3010
319	99	23	29	3020	2971	32	2885
320	99	41	33	2885	3012	20	3000
321	100	0	40	2980	3012	19	3100
322	100	19	34	2980	2976	22	2940
323	100	37	32	3081	2966	38	3010
324	100	56	31	2960	2976	22	3020
325	101	15	33	2885	2971	32	3020
326	101	34	22	2885	3012	25	3010
327	101	52	35	2950	2976	32	3010
328	102	11	26	2940	3012	24	3005
329	102	30	33	3026	3012	26	2920
330	102	49	36	3026	2971	25	3000
331	103	7	32	2965	2981	30	2980
332	103	26	31	2980	2956	33	2995
333	103	45	41	3066	3012	40	3025
334	104	3	35	2885	3017	32	2955
335	104	22	30	2940	3012	26	3010
336	104	41	27	2940	3012	33	2915
337	105	0	48	3020	3012	23	2960
338	105	18	25	2885	3017	33	3025
339	105	37	36	2885	2971	40	3100
340	105	56	30	2975	3012	32	2995
341	106	14	32	2980	3032	32	2990
342	106	33	36	2885	3017	32	3020
343	106	52	32	2980	2976	25	3020
344	107	11	32	2970	2976	33	3020
345	107	29	33	2980	3012	22	3000

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-06 GE D. UMP LET SS IG	2-07 1STAGE HYD. PUMP (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
05	3032	29	3020	2932	1007	1013	36	30
80	3001	20	3000	2957	1007	1015	34	30
0	2971	40	3020	2947	1005	1011	30	28
0	2971	21	3005	2947	1013	1013	28	27
0	3032	21	3020	2972	1007	1009	34	31
0	3012	40	3005	2932	1017	1013	36	27
5	3027	40	3010	2937	1011	1011	34	30
1	3012	29	2960	2957	1017	1019	28	29
5	2976	27	3040	2972	1015	1011	32	30
5	3017	21	2980	2947	1009	1019	30	29
5	2971	33	2920	2937	1017	1013	36	30
0	3012	32	3100	2952	1015	1007	34	29
1	3012	26	2885	2937	1009	1009	26	31
0	3027	38	3100	2952	1021	1013	28	29
0	2976	32	3005	2981	1011	1011	26	31
4	3012	31	2970	2981	1021	1017	40	30
6	2976	44	3005	2927	1007	1019	26	27
5	3012	26	2955	2952	1021	1011	32	29
5	2971	26	3020	2962	1009	1015	32	30
5	2941	17	2995	2947	1003	1015	34	30
0	2971	33	3020	2932	1021	1013	36	29
0	2876	30	2870	2907	1017	1019	34	27
0	3017	39	3010	2937	1009	1017	36	30
0	2971	32	2885	2957	1021	1023	26	30
5	3012	20	3000	2937	1015	1011	36	31
0	3012	19	3100	2947	1017	1027	34	28
0	2976	22	2940	2996	1011	1019	30	29
1	2966	38	3010	2947	1007	1015	26	30
0	2976	22	3020	2942	1009	1011	34	28
5	2971	32	3020	2947	1021	1021	26	30
5	3012	25	3010	2932	1007	1013	36	31
0	2976	32	3010	2937	1015	1015	28	32
0	3012	24	3005	2947	1013	1009	36	28
0	3012	26	2920	2952	1011	1009	32	30
5	2971	25	3000	2937	1007	1011	34	30
5	2981	30	2980	2952	1005	1013	22	29
0	2956	33	2995	2947	1007	1011	30	29
6	3012	40	3025	2917	1017	1013	28	30
5	3017	32	2955	2952	1015	1011	36	30
0	3012	26	3010	2927	1013	1013	36	29
0	3012	33	2915	2942	1007	1007	26	30
0	3012	23	2960	2952	1009	1023	26	32
5	3017	33	3025	2907	1009	1013	28	31
5	2971	40	3100	2932	1015	1013	32	30
5	3012	32	2995	2937	1009	1013	26	29
0	3032	32	2990	2932	1011	1013	32	30
5	3017	32	3020	2952	1007	1015	34	30
0	2976	25	3020	2972	1015	1011	32	29
0	2976	33	3020	2942	1003	1015	26	27
0	3012	22	3000	2947	1009	1019	28	27

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
346	107	48	29	3026	3001	27	3015
347	108	7	33	2940	2966	22	2970
348	108	25	41	2980	2976	32	2990
349	108	44	33	2935	2981	33	3040
350	109	3	27	2885	3017	26	3005
351	109	22	29	3026	2966	21	3020
352	109	40	21	2885	3012	44	2990
353	109	59	32	2970	3012	32	3020
354	110	18	21	2980	3012	32	2870
355	110	36	33	3026	2971	32	3020
356	110	55	33	2980	3032	22	3000
357	111	14	22	2980	3012	26	3020
358	111	33	31	2980	3032	24	3000
359	111	51	26	2980	3032	33	3020
360	112	10	29	2980	3032	32	2955
361	112	29	21	2885	2971	32	3010
362	112	47	27	2935	2976	33	3005
363	113	6	29	2990	3017	20	2995
364	113	25	24	3066	2971	23	2995
365	113	44	40	2970	3052	40	3050
366	114	2	29	2980	3012	33	2975
367	114	21	27	2935	2976	22	2995
368	114	40	32	2980	3052	22	2990
369	114	58	36	3020	3012	19	3005
370	115	17	29	2930	3012	40	3020
371	115	36	30	2885	2971	40	3010
372	115	55	24	3020	2986	21	3045
373	116	13	26	2980	3012	22	2990
374	116	32	40	2885	2981	33	2995
375	116	51	34	2950	3006	22	3005
376	117	9	27	2895	2991	32	3020
377	117	28	33	3020	3012	32	3030
378	117	47	23	2885	3017	27	3005
379	118	5	20	2980	3022	27	3000
380	118	24	41	2980	3032	28	3050
381	118	43	36	3066	3012	21	3020
382	119	2	33	2915	2981	21	3025
383	119	20	24	2980	2981	33	2920
384	119	39	41	2980	3012	26	3100
385	119	58	29	3066	3022	21	3020
386	120	16	29	2980	2991	27	3100
387	120	35	35	2885	3052	27	3100
388	120	54	33	2935	3017	32	3100
389	121	13	21	2980	3032	29	2920
390	121	31	34	3020	3006	27	2990
391	121	50	31	3061	3012	40	2955
392	122	9	27	2915	3012	20	2885
393	122	27	35	2885	3017	23	2885
394	122	46	33	2980	2971	36	2970
395	123	5	33	2925	2956	40	3000

2-06 AGE YD. UMP LET ESS SIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
26	3001	27	3015	2927	1015	1017	34	29
40	2966	22	2970	2932	1013	1013	40	27
0	2976	32	2990	2942	1000	1013	26	28
5	2981	33	3040	2957	1003	1015	28	29
5	3017	26	3005	2952	1011	1015	32	28
26	2966	21	3020	2927	1013	1013	32	28
5	3012	44	2990	2942	1007	1009	26	27
70	3012	32	3020	2917	1009	1013	26	30
0	3012	32	2870	2937	1011	1007	36	31
26	2971	32	3020	2947	1007	1007	34	27
0	3032	22	3000	2937	1009	1013	34	30
0	3012	26	3020	2917	1009	1009	36	29
0	3032	24	3000	2937	1007	1015	22	30
0	3032	33	3020	2932	1005	1015	26	30
0	3032	32	2955	2932	1015	1009	34	28
5	2971	32	3010	2942	1013	1007	32	30
5	2976	33	3005	2937	1003	1013	32	29
0	3017	20	2995	2947	1007	1015	26	27
6	2971	23	2995	2917	1009	1005	26	27
70	3052	40	3050	2932	1015	1009	32	29
0	3012	33	2975	2947	1011	1007	28	26
5	2976	22	2995	2917	1007	1011	22	27
0	3052	22	2990	2932	1013	1009	32	27
20	3012	19	3005	2932	1009	1009	36	28
30	3012	40	3020	2972	1009	1011	32	30
5	2971	40	3010	2937	1013	1013	32	27
20	2986	21	3045	2947	1007	1027	32	29
0	3012	22	2990	2937	1009	1015	26	30
5	2981	33	2995	2932	1005	1007	36	29
50	3006	22	3005	2972	1009	1007	34	28
95	2991	32	3020	2957	1013	1011	26	28
20	3012	32	3030	2947	1005	1021	26	28
5	3017	27	3005	2957	1009	1013	26	30
0	3022	27	3000	2932	1013	1009	32	30
0	3032	28	3050	2937	1009	1007	30	29
6	3012	21	3020	2937	1013	1013	22	29
5	2981	21	3025	2917	1005	1015	24	28
0	2981	33	2920	2947	1017	1019	24	29
0	3012	26	3100	2932	1015	1007	32	30
6	3022	21	3020	2917	1021	1019	28	27
0	2991	27	3100	2952	1007	1013	22	29
5	3052	27	3100	2952	1007	1007	32	29
5	3017	32	3100	2952	1007	1015	34	32
0	3032	29	2920	2942	1013	1009	32	29
0	3006	27	2990	2942	1009	1009	26	32
1	3012	40	2955	2937	1017	1013	26	29
5	3012	20	2885	2932	1005	1007	26	30
5	3017	23	2885	2942	1007	1007	34	27
0	2971	36	2970	2947	1009	1009	32	27
5	2956	40	3000	2947	1013	1019	40	30

1-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2 2ST H C SE CY P
396	123	23	22	3026	3012	33	3020	
397	123	42	31	3041	3012	32	3010	
398	124	1	22	3020	3017	34	2955	
399	124	19	27	2885	3032	34	2995	
400	124	38	32	2980	3022	24	2990	
401	124	57	26	2980	3022	26	2990	
402	125	16	32	2885	3012	40	2990	
403	125	34	25	3031	3022	32	2960	
404	125	53	22	3020	3017	26	2990	
405	126	12	29	2885	3017	38	3100	
406	126	30	33	2885	3012	31	3020	
407	126	49	27	3041	3012	32	3100	
408	127	8	21	3020	3012	20	3005	
409	127	26	33	2940	3012	26	2960	
410	127	45	36	2970	2981	24	2965	
411	128	4	22	2885	2971	25	2885	
412	128	22	40	2980	2976	32	3000	
413	128	41	31	2980	3012	33	2955	
414	129	0	26	3026	2976	13	3055	
415	128	39	27	2980	2971	40	3020	
416	129	37	29	3061	3017	33	2870	
417	129	56	27	2980	2971	20	3020	
418	130	15	21	3026	3017	27	3000	
419	130	33	33	2885	2971	40	3005	
420	130	52	34	2885	2946	32	2875	
421	131	11	21	3066	3012	32	2920	
422	131	29	34	2980	2991	22	3060	
423	131	48	29	2885	2991	25	3040	
424	132	7	30	3020	2961	26	2990	
425	132	25	35	2935	2971	26	3005	
426	132	44	30	2885	3017	23	3020	
427	133	3	32	3061	3012	33	2875	
428	133	22	35	3020	2981	20	2990	
429	133	40	27	3026	3032	40	2920	
430	133	59	35	2930	3017	32	2880	
431	134	18	31	2980	2991	24	3100	
432	134	36	35	2880	3012	40	3020	
433	134	55	33	2980	3001	40	2990	
434	135	14	29	2930	2971	25	3020	
435	135	32	33	2900	2976	27	3020	
436	135	51	31	2869	2896	32	2880	
437	136	10	33	2854	2886	36	3020	
438	136	28	25	2784	2851	44	3020	
439	136	47	20	2759	2826	40	3100	
440	137	6	20	2688	2715	29	3055	
441	137	25	14	2114	2143	22	2995	
442	137	43	4	1243	1295	6	1785	
443	*	*	*	*	*	*	*	

2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
3012	33	3020	2917	1021	1021	22	30
3012	32	3010	2947	1021	1019	26	29
3017	34	2955	2942	1011	1019	34	30
3032	34	2995	2952	1015	1007	32	30
3022	24	2990	2927	1013	1021	32	30
3022	26	2990	2952	1007	1015	34	27
3012	40	2990	2937	1015	1015	34	29
3022	32	2960	2942	1009	1011	32	29
3017	26	2990	2972	1015	1007	34	30
3017	38	3100	2957	1017	1009	30	28
3012	31	3020	2932	1015	1013	28	30
3012	32	3100	2937	1011	1011	36	30
3012	20	3005	2932	1007	1011	34	29
3012	26	2960	2932	1013	1009	36	28
2981	24	2965	2942	1011	1013	30	26
2971	25	2885	2937	1017	1013	26	27
2976	32	3000	2962	1007	1015	30	30
3012	33	2955	2952	1017	1011	32	30
2976	13	3055	2952	1015	1011	32	32
2971	40	3020	2937	1017	1009	32	29
3017	33	2870	2937	1017	1015	40	30
2971	20	3020	2932	1013	1009	36	29
3017	27	3000	2932	1015	1007	34	29
2971	40	3005	2942	1003	1011	26	28
2946	32	2875	2942	1009	1011	26	27
3012	32	2920	2912	1009	1009	24	30
2991	22	3060	2937	1005	1013	26	28
2991	25	3040	2937	1007	1015	30	27
2961	26	2990	2947	1017	1019	22	29
2971	26	3005	2952	1017	1013	28	27
3017	23	3020	2967	1021	1017	22	27
3012	33	2875	2942	1013	1013	28	27
2981	20	2990	2942	1007	1007	30	27
3032	40	2920	2942	1007	1011	26	32
3017	32	2880	2937	1007	1011	26	29
2991	24	3100	2937	1017	1017	22	30
3012	40	3020	2937	1007	1023	26	26
3001	40	2990	2952	1005	1009	28	31
2971	25	3020	2932	1009	1013	28	30
2976	27	3020	2962	1007	1015	26	27
2896	32	2880	2922	1007	1015	26	27
2886	36	3020	2937	1013	1015	30	27
2851	44	3020	2942	1007	1007	30	27
2826	40	3100	2932	1013	1007	32	29
2715	29	3055	2937	1009	1009	36	29
2143	22	2995	2917	1017	1013	26	28
1295	6	1785	1779	10	2	16	4
*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
1	0	6	15	0
2	0	25	15	6
3	0	44	40	6
4	1	3	35	10
5	1	22	25	2
6	*	*	25	4
7	2	0	15	8
8	*	*	40	8
9	2	38	20	4
10	2	49	35	6
11	*	*	10	4
12	*	*	25	16
13	3	53	10	4
14	*	*	35	10
15	*	*	15	4
16	*	*	40	10
17	5	9	40	6
18	5	28	40	16
19	*	*	45	12
20	6	6	3040	1442
21	*	*	3131	1436
22	6	44	2984	1440
23	7	3	2999	1440
24	7	22	3045	1440
25	*	*	20	4
26	*	*	20	6
27	*	*	10	4
28	8	47	15	*
29	9	6	15	10
30	*	*	35	10
31	9	44	25	4
32	10	3	15	4
33	10	21	30	2
34	10	40	30	8
35	*	*	25	8
36	11	18	25	4
37	11	37	30	4
38	*	*	15	2
39	*	*	20	2
40	*	*	15	6
41	12	52	25	4
42	*	*	35	0
43	*	*	25	0
44	13	49	40	0
45	14	8	10	4

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
46	*	*	1691	1404
47	14	45	2944	1434
48	15	4	3100	1436
49	15	23	2984	1434
50	*	*	2984	1436
51	16	1	2954	1440
52	16	19	3030	1440
53	16	38	3030	1434
54	16	57	3030	1440
55	17	16	2954	1430
56	17	35	3090	1436
57	17	53	3085	1454
58	18	12	3030	1448
59	18	31	3030	1452
60	18	50	2934	1452
61	19	9	3030	1456
62	19	28	2964	1448
63	19	46	3040	1446
64	20	5	2969	1456
65	20	24	3171	1452
66	20	43	3080	1452
67	21	2	3141	1452
68	21	20	3030	1450
69	21	39	3030	1450
70	21	58	2929	1452
71	22	17	3136	1458
72	22	36	2954	1450
73	22	55	2949	1450
74	23	13	2923	1446
75	23	32	2954	1456
76	23	51	3080	1448
77	24	10	3080	1448
78	24	29	2979	1450
79	24	47	2807	1456
80	25	6	2934	1446
81	25	25	3030	1458
82	25	44	3136	1450
83	26	3	2979	1456
84	26	21	2838	1454
85	26	40	3080	1456
86	26	59	3085	1462
87	27	18	3030	1462
88	27	37	3030	1466
89	27	55	2954	1464
90	28	14	3030	1460
91	28	33	3024	1460
92	28	52	2883	1450
93	29	11	3055	1468
94	29	29	2903	1460
95	29	48	3030	1458

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-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
96	30	7	3030	1472
97	30	26	3030	1462
98	30	45	3080	90
99	31	3	3055	1460
100	31	22	2893	1460
101	31	41	2954	1464
102	32	0	2929	1458
103	32	18	3080	1466
104	32	37	2944	1460
105	32	56	2969	1456
106	33	15	3030	1460
107	33	34	2969	1452
108	33	52	2929	1470
109	34	11	3030	1454
110	34	30	2913	1462
111	34	49	2913	1460
112	35	8	3019	1452
113	35	26	2989	1452
114	35	45	3019	1448
115	36	4	2903	1458
116	36	23	2954	1460
117	36	42	2964	1460
118	37	0	2903	1460
119	37	19	2969	1462
120	37	38	2954	1452
121	37	57	3030	1450
122	38	15	3019	1456
123	38	34	2913	1442
124	38	53	3038	1460
125	39	12	3030	1462
126	39	31	3035	1448
127	39	49	3055	1462
128	40	8	2944	1454
129	40	27	2959	1462
130	40	46	2964	1450
131	41	5	2984	1444
132	41	23	3055	1452
133	41	42	3131	1460
134	42	1	3131	1444
135	42	20	3030	1446
136	42	38	2863	1452
137	42	57	2979	1468
138	43	16	3030	1460
139	43	35	2979	1454
140	43	54	2863	1454
141	44	12	2873	1452
142	44	31	2863	1456
143	44	50	3080	1448
144	45	9	2949	1448
145	45	27	2959	1456

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-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
146	45	46	3019	1456
147	46	5	3080	1454
148	46	24	3131	1460
149	46	42	2903	1448
150	47	1	3030	1452
151	47	20	3004	1452
152	47	39	3030	1444
153	47	58	2918	1452
154	48	16	2929	1454
155	48	35	3045	1446
156	48	54	2883	1452
157	49	13	2934	1456
158	49	31	2934	1450
159	49	50	3080	1454
160	50	9	2954	1450
161	50	28	3019	1454
162	50	46	2979	1442
163	51	5	2944	1446
164	51	24	3030	1454
165	51	43	2934	1448
166	52	2	2893	1460
167	52	20	2893	1448
168	52	39	2989	1462
169	52	58	2969	1460
170	53	17	2954	1448
171	53	35	2918	1450
172	53	54	2883	1440
173	54	13	2954	1450
174	54	32	2954	1456
175	54	50	2964	1450
176	55	9	3030	1446
177	55	28	3050	1452
178	55	47	3035	1446
179	56	5	3131	1444
180	56	24	3045	1444
181	56	43	3055	1446
182	57	2	2939	1452
183	57	20	3035	1454
184	57	39	2939	1460
185	57	58	3019	1458
186	58	17	3030	1442
187	58	36	3060	1456
188	58	54	3045	1458
189	59	13	3065	1452
190	59	32	2964	1456
191	59	51	2979	1446
192	60	9	3070	1446
193	60	28	3131	1454
194	60	47	3060	1456
195	61	6	2918	1456

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-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
196	61	24	3060	1454
197	61	43	2994	1450
198	62	2	3030	1460
199	62	21	2954	1446
200	62	39	2964	1448
201	62	58	3070	1448
202	63	17	2974	1452
203	63	36	2923	1448
204	63	54	3030	1444
205	64	13	2893	1454
206	64	32	2939	1448
207	64	50	2949	1452
208	65	9	3131	1442
209	65	28	2994	1442
210	65	47	3080	1444
211	66	5	2969	1442
212	66	24	2999	1444
213	66	43	2878	1448
214	67	2	2964	1444
215	67	20	2964	1440
216	67	39	3040	1442
217	67	58	2979	1442
218	68	17	2999	1462
219	68	35	2989	1476
220	68	54	2923	1476
221	69	13	2898	1470
222	69	32	2989	1466
223	69	50	2949	1476
224	70	9	2913	1470
225	70	28	2979	1476
226	70	47	2913	1466
227	71	5	2969	1466
228	71	24	2908	1468
229	71	43	2893	1466
230	72	2	3040	1466
231	72	20	2934	1480
232	72	39	2984	1480
233	72	58	3055	1474
234	73	17	3040	1476
235	73	35	2883	1470
236	73	54	2949	1464
237	74	13	2959	1470
238	74	31	3030	1476
239	74	50	2964	1476
240	75	9	3004	1476
241	75	28	3030	1472
242	75	46	2944	1474
243	76	5	2979	1472
244	76	24	3030	1476
245	76	43	2969	1474

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
246	77	1	2883	1466
247	77	20	2954	1466
248	77	39	2934	1474
249	77	58	2984	1476
250	78	16	2949	1474
251	78	35	3030	1474
252	78	54	2949	1474
253	79	12	2959	1466
254	79	31	3030	1474
255	79	50	3035	1476
256	80	9	3009	1470
257	80	27	3055	1470
258	80	46	2898	1472
259	81	5	2934	1468
260	81	24	2979	1470
261	81	42	3030	1476
262	82	1	2979	1476
263	82	20	2929	1472
264	82	39	2999	1466
265	82	57	2934	1476
266	83	16	2913	1472
267	83	35	2949	1476
268	83	53	2883	1470
269	84	12	2974	1480
270	84	31	3035	1470
271	84	50	2954	1474
272	85	8	2954	1466
273	85	27	2944	1468
274	85	46	2913	1462
275	86	5	3030	1470
276	86	23	3030	1480
277	86	42	3030	1470
278	87	1	2984	1474
279	87	20	3030	1474
280	87	38	3232	1470
281	87	57	2934	1484
282	88	16	2929	1474
283	88	35	2898	1470
284	88	53	3035	1480
285	89	12	3080	1474
286	89	31	2913	1472
287	89	50	3136	1484
288	90	8	2929	1478
289	90	27	2918	1476
290	90	46	2934	1472
291	91	5	2903	1476
292	91	23	2999	1468
293	91	42	2908	1472
294	92	1	2939	1480
295	92	20	2878	1474

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
296	92	38	3030	1476
297	92	57	2954	1474
298	93	16	2959	1480
299	93	34	3075	1474
300	93	53	3009	1480
301	94	12	2949	1468
302	94	31	2984	1476
303	94	49	2974	1470
304	95	8	2979	1480
305	95	27	3004	1466
306	95	46	2908	1470
307	96	4	2923	1466
308	96	23	3030	1476
309	96	42	2954	1474
310	96	54	3070	1472
311	97	6	3004	1466
312	97	18	3030	1472
313	97	30	2959	1462
314	97	49	3035	1484
315	98	8	2929	1468
316	98	26	2939	1472
317	98	45	2929	1464
318	99	4	2949	1470
319	99	23	2913	1472
320	99	41	2903	1468
321	100	0	3030	1470
322	100	19	2954	1472
323	100	37	2903	1476
324	100	56	2918	1472
325	101	15	2954	1474
326	101	34	2903	1466
327	101	52	2979	1472
328	102	11	2913	1462
329	102	30	2979	1470
330	102	49	2908	1476
331	103	7	2929	1472
332	103	26	3045	1472
333	103	45	2908	1472
334	104	3	2929	1466
335	104	22	2923	1466
336	104	41	2954	1466
337	105	0	2969	1472
338	105	18	2913	1466
339	105	37	2999	1468
340	105	56	3030	1474
341	106	14	3030	1480
342	106	33	3030	1476
343	106	52	2949	1476
344	107	11	2934	1470
345	107	29	2959	1470

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
346	107	48	3030	1468
347	108	7	2954	1466
348	108	25	2903	1466
349	108	44	2939	1476
350	109	3	2893	1476
351	109	22	2994	1466
352	109	40	2929	1466
353	109	59	3030	1476
354	110	18	3131	1474
355	110	36	3030	1476
356	110	55	3035	1482
357	111	14	2979	1470
358	111	33	2954	1484
359	111	51	3030	1466
360	112	10	2898	1480
361	112	29	3030	1480
362	112	47	2903	1474
363	113	6	3030	1472
364	113	25	2929	1472
365	113	44	2913	1466
366	114	2	3030	1480
367	114	21	2929	1474
368	114	40	2999	1470
369	114	58	3030	1466
370	115	17	3131	1466
371	115	36	2949	1466
372	115	55	3070	1476
373	116	13	2929	1468
374	116	32	2959	1468
375	116	51	3030	1466
376	117	9	3030	1470
377	117	28	3030	1474
378	117	47	2939	1470
379	118	5	2918	1480
380	118	24	2979	1472
381	118	43	2949	1470
382	119	2	3019	1474
383	119	20	2853	1472
384	119	39	2893	1476
385	119	58	3030	1470
386	120	16	3141	1474
387	120	35	3035	1470
388	120	54	3014	1466
389	121	13	3030	1476
390	121	31	3030	1468
391	121	50	2954	1472
392	122	9	2903	1468
393	122	27	2949	1462
394	122	46	2934	1466
395	123	5	2949	1466

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
396	123	23	2944	1474
397	123	42	2949	1472
398	124	1	2934	1472
399	124	19	2929	1468
400	124	38	3030	1476
401	124	57	2903	1468
402	125	16	2959	1476
403	125	34	2954	1470
404	125	53	2949	1468
405	126	12	3035	1470
406	126	30	2913	1468
407	126	49	2944	1466
408	127	8	2929	1460
409	127	26	2949	1466
410	127	45	2939	1466
411	128	4	2999	1466
412	128	22	3030	1472
413	128	41	3131	1466
414	129	0	3040	1475
415	128	39	3040	1472
416	129	37	2903	1472
417	129	56	2893	1462
418	130	15	2898	1468
419	130	33	3060	1472
420	130	52	2964	1474
421	131	11	2913	1470
422	131	29	3035	1472
423	131	48	3030	1468
424	132	7	2913	1472
425	132	25	2979	1470
426	132	44	3080	1474
427	133	3	2929	1480
428	133	22	2939	1466
429	133	40	2929	1468
430	133	59	2929	1466
431	134	18	2888	1476
432	134	36	2893	1476
433	134	55	2918	1460
434	135	14	2954	1466
435	135	32	2939	1466
436	135	51	3030	1470
437	136	10	3040	1466
438	136	28	2939	1468
439	136	47	3030	1460
440	137	6	2929	1466
441	137	25	3030	1468
442	137	43	1050	1000
443	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
1	0	8	39	35	35	36	39
2	0	27	39	35	35	36	39
3	0	46	39	35	35	36	39
4	1	5	39	35	35	36	38
5	1	24	39	35	35	35	38
6	*	*	39	35	35	35	38
7	2	2	39	35	35	36	38
8	2	21	39	35	34	35	38
9	2	40	39	35	35	35	38
10	2	59	39	35	35	36	38
11	3	18	39	35	35	35	38
12	3	37	39	35	35	35	38
13	3	56	39	35	35	36	38
14	4	15	39	36	35	35	38
15	4	34	39	35	35	36	38
16	*	*	39	35	35	35	38
17	*	51	39	35	35	36	38
18	*	10	39	35	35	36	38
19	*	29	39	35	35	36	38
20	*	48	39	35	35	36	38
21	*	7	39	35	35	36	38
22	6	46	40	35	35	36	38
23	7	5	40	35	35	35	38
24	7	24	40	35	35	36	38
25	*	*	41	35	35	35	38
26	8	2	40	35	35	36	38
27	8	21	40	35	35	36	38
28	8	50	40	39	38	38	39
29	*	*	41	39	38	38	39
30	9	27	41	39	38	38	39
31	9	46	40	39	38	38	39
32	10	5	40	39	38	38	39
33	10	24	40	39	37	38	39
34	*	*	41	39	38	38	39
35	11	1	40	39	38	36	39
36	*	*	40	39	37	38	38
37	*	19	40	39	38	38	38
38	*	38	40	39	37	38	39
39	28	57	40	39	37	38	39
40	12	36	40	39	37	38	38
41	12	55	40	39	38	38	39
42	13	13	40	39	38	38	39
43	13	32	41	39	38	38	39
44	*	*	40	39	37	38	39
45	14	10	41	40	38	39	39

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
35	36	39	39	35	36	38	35
35	36	39	39	35	36	39	35
35	36	39	39	35	35	38	35
35	36	38	39	35	35	39	35
35	35	38	39	35	35	38	35
35	35	38	39	35	35	38	35
35	36	38	39	35	35	39	34
34	35	38	39	35	35	39	34
35	35	38	39	35	35	39	34
35	36	38	39	35	35	39	34
35	35	38	39	34	35	39	34
35	35	38	38	35	35	38	34
35	36	38	38	35	35	39	34
35	35	38	38	35	35	38	34
35	36	38	39	35	35	38	34
35	35	38	39	34	35	38	34
35	36	38	38	35	35	39	34
35	36	38	39	34	36	39	34
35	36	38	39	35	35	38	34
35	36	38	39	35	35	39	34
35	36	38	39	34	35	38	34
35	36	38	39	35	35	39	34
35	35	38	38	35	35	40	34
35	36	38	39	34	35	39	34
35	35	38	39	35	35	38	34
35	36	38	39	35	35	39	34
35	36	38	38	35	35	39	34
38	38	39	39	36	36	39	37
38	38	39	39	36	36	39	37
38	38	39	39	36	36	39	37
38	38	39	39	36	36	39	37
38	38	39	39	36	36	39	37
37	38	39	39	36	36	39	37
38	38	39	39	36	36	39	37
38	38	39	39	36	36	39	37
37	38	38	39	36	36	39	37
38	38	38	38	35	36	39	37
37	38	39	39	36	36	39	37
37	38	39	39	36	36	39	37
37	38	38	39	36	36	39	37
38	38	39	39	36	36	39	37
38	38	39	39	36	36	39	37
38	38	39	39	36	36	39	37
37	38	39	39	36	36	39	37
38	39	39	39	37	37	39	37

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3 DI D OUT (CK R. DE
46	*	*	41	39	38	38	39	
47	14	48	40	40	38	38	38	
48	15	6	40	38	38	38	39	
49	*	*	41	39	38	38	39	
50	15	44	41	39	38	38	39	
51	16	3	41	39	38	38	39	
52	16	22	41	40	38	38	38	
53	16	41	42	39	37	38	39	
54	16	59	41	39	38	38	39	
55	17	18	41	39	38	38	39	
56	17	37	43	43	41	41	43	
57	17	56	40	44	44	44	44	
58	18	15	40	44	45	44	45	
59	18	34	43	45	45	46	45	
60	18	52	42	45	45	46	45	
61	19	11	43	45	46	45	45	
62	19	30	43	46	46	46	45	
63	19	49	43	46	47	45	45	
64	20	8	41	46	46	46	45	
65	20	26	40	46	46	46	45	
66	20	45	44	47	46	46	46	
67	21	4	44	46	46	46	46	
68	21	23	43	47	46	46	45	
69	21	42	43	46	46	46	46	
70	22	0	41	47	46	46	45	
71	22	19	41	46	46	47	46	
72	22	38	43	47	48	46	46	
73	22	57	41	47	47	47	47	
74	23	16	44	48	48	46	46	
75	23	35	40	47	47	46	46	
76	23	53	43	48	48	47	46	
77	24	12	41	48	47	47	46	
78	24	31	44	47	47	47	46	
79	24	50	43	47	47	47	46	
80	25	9	44	47	47	47	46	
81	25	27	40	47	48	46	46	
82	25	46	43	47	48	46	46	
83	26	5	43	47	46	46	46	
84	26	24	42	48	47	47	46	
85	26	43	44	48	48	48	47	
86	27	1	41	48	48	48	48	
87	27	20	41	46	48	48	47	
88	27	39	41	48	48	47	46	
89	27	58	42	48	48	48	47	
90	28	17	43	48	48	46	46	
91	28	35	42	48	48	48	47	
92	28	54	44	48	46	46	47	
93	29	13	45	48	48	48	47	
94	29	32	44	48	48	49	48	
95	29	51	43	47	49	48	48	

1004

-06 TER NUM BER EMP OUT G.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
39	38	38	39	39	35	36	40	37
40	38	38	38	39	35	36	39	37
38	38	38	39	39	36	36	40	38
39	38	38	39	39	36	36	40	38
39	38	38	39	39	36	36	40	38
39	38	38	39	39	36	36	40	38
40	38	38	38	39	36	36	38	38
39	37	38	39	39	36	36	39	38
39	38	38	39	39	36	36	40	36
39	38	38	39	39	36	36	38	37
43	41	41	43	41	35	36	37	36
44	44	44	44	43	35	36	38	38
44	45	44	45	41	36	36	38	37
45	45	46	45	41	36	37	38	38
45	45	46	45	41	36	37	39	37
45	46	45	45	40	37	37	38	36
46	46	46	45	41	37	38	38	38
46	47	45	45	40	38	38	37	37
46	46	46	45	41	37	38	38	38
46	46	46	45	41	38	38	38	38
47	46	46	46	40	38	39	38	38
46	46	46	46	41	38	39	39	38
47	46	46	45	41	38	39	38	39
46	46	46	46	40	39	39	38	38
47	46	46	45	41	39	39	37	38
46	46	47	46	41	38	39	40	39
47	48	46	46	42	38	39	38	38
47	47	47	47	42	39	39	40	39
48	48	46	46	42	39	39	38	39
47	47	46	46	41	39	39	38	39
48	48	47	46	42	39	40	38	40
48	47	47	46	41	39	40	39	40
47	47	47	46	41	39	40	40	40
47	47	47	46	41	39	39	40	39
47	47	47	46	41	39	39	38	39
47	48	46	46	41	39	40	39	39
47	48	46	46	41	39	40	38	39
47	46	46	46	41	39	40	39	39
48	47	47	46	41	40	40	39	40
48	48	48	47	41	40	40	40	40
48	48	48	48	41	40	41	41	40
46	48	48	47	41	39	41	41	40
48	48	47	46	42	40	41	38	40
48	48	48	47	42	39	41	40	41
48	48	46	46	42	39	41	39	40
48	48	48	47	42	40	40	41	41
48	46	46	47	42	40	41	42	40
48	48	48	47	41	40	41	39	40
48	48	49	48	42	41	41	42	41
47	49	48	48	42	40	41	42	41

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
96	30	9	46	50	49	48	49
97	30	28	47	51	49	50	50
98	30	47	44	51	51	51	50
99	31	6	43	49	49	51	50
100	31	24	44	49	49	50	49
101	31	43	41	49	49	50	49
102	32	2	42	49	49	49	48
103	32	21	42	49	49	49	48
104	32	40	42	49	49	49	48
105	32	58	42	49	49	48	48
106	33	17	43	48	49	49	48
107	33	36	43	48	49	49	48
108	33	55	42	49	48	48	48
109	34	14	42	50	48	48	48
110	34	32	41	49	49	48	48
111	34	51	42	48	48	48	48
112	35	10	41	48	48	49	48
113	35	29	42	49	48	48	48
114	35	48	42	49	49	48	48
115	36	6	42	50	48	48	46
116	36	25	42	48	48	49	47
117	36	44	41	50	49	48	47
118	37	3	41	49	48	48	47
119	37	21	42	48	49	48	47
120	37	40	41	49	48	48	46
121	37	59	41	47	48	48	47
122	38	18	41	49	49	48	47
123	38	37	41	47	48	48	46
124	38	55	41	50	48	48	46
125	39	14	41	49	48	48	46
126	39	33	42	49	48	48	46
127	39	52	42	47	48	48	46
128	40	11	42	48	48	47	45
129	40	29	41	48	47	48	46
130	40	48	42	48	47	47	45
131	41	7	42	48	48	47	46
132	41	26	42	47	47	47	45
133	41	44	42	46	46	46	45
134	42	3	42	48	47	46	45
135	42	22	42	47	47	46	44
136	42	41	42	47	47	46	45
137	43	0	42	47	47	47	45
138	43	18	42	48	47	46	45
139	43	37	42	46	46	46	44
140	43	56	43	46	46	46	44
141	44	15	43	46	46	46	44
142	44	33	43	46	45	46	45
143	44	52	43	46	46	45	45
144	45	11	43	48	46	46	45
145	45	30	43	47	46	46	45

5001

-06 TER ENUM BER TEMP OUT G.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
50	49	48	49	42	41	41	39	40
51	49	50	50	43	41	41	42	41
51	51	51	50	43	41	41	42	41
49	49	51	50	41	41	41	42	41
49	49	50	49	42	42	42	41	41
49	49	50	49	43	41	42	42	41
49	49	49	48	44	41	42	39	41
49	49	49	48	44	41	42	39	41
49	49	49	48	42	41	41	42	41
49	49	48	48	43	41	41	42	41
48	49	49	48	43	41	42	40	41
48	49	49	48	43	41	41	43	41
49	48	48	48	43	41	41	42	41
50	48	48	48	44	42	41	42	41
49	49	48	48	43	41	41	40	40
48	48	48	48	43	41	41	42	40
48	48	49	48	44	40	41	42	41
49	48	48	48	43	40	41	40	41
49	49	48	48	44	41	41	43	40
50	48	48	46	44	41	41	40	40
48	48	49	47	44	41	41	42	40
50	49	48	47	44	41	41	42	40
49	48	48	47	43	41	41	42	41
48	49	48	47	43	40	41	42	40
49	48	48	46	44	41	41	40	40
47	48	48	47	44	41	41	40	40
49	49	48	47	44	41	41	41	40
47	48	48	46	43	41	41	40	40
50	48	48	46	44	41	42	40	40
49	48	48	46	44	41	42	40	39
49	48	48	46	44	42	41	41	40
47	48	48	46	44	41	41	42	40
48	48	47	45	43	41	42	40	40
48	47	48	46	43	41	41	43	39
48	47	47	45	44	41	41	43	39
48	48	47	46	43	41	41	39	39
47	47	47	45	42	41	41	41	39
46	46	46	45	43	41	41	42	40
48	47	46	45	43	41	41	40	40
47	47	46	44	42	42	41	42	40
47	47	46	45	44	41	42	42	40
47	47	47	45	44	42	42	40	39
48	47	46	45	42	41	42	40	40
46	46	46	44	43	42	41	42	40
46	46	46	44	42	42	42	41	40
46	46	46	44	43	41	42	43	40
46	46	46	45	43	41	42	42	40
46	46	45	45	43	41	42	41	40
48	46	46	45	42	42	42	40	40
47	46	46	45	43	42	42	42	40

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
146	45	47	43	45	45	45	44
147	46	7	43	45	45	45	44
148	46	26	43	46	46	45	44
149	46	45	43	46	46	46	44
150	47	4	43	45	45	45	44
151	47	22	43	46	45	45	44
152	47	41	43	47	45	45	44
153	48	0	43	45	45	45	44
154	48	19	43	46	45	45	44
155	48	37	43	44	44	44	44
156	48	56	43	45	45	44	44
157	49	15	43	46	45	45	44
158	49	34	43	45	45	45	44
159	49	52	44	45	45	45	44
160	50	11	44	44	45	45	44
161	50	30	43	46	45	44	43
162	50	49	43	45	45	44	44
163	51	8	44	45	45	45	44
164	51	26	43	45	44	45	44
165	51	45	43	45	45	44	44
166	52	4	43	45	44	45	44
167	52	23	44	45	44	44	44
168	52	41	43	43	45	44	44
169	53	0	44	46	45	45	44
170	53	19	44	44	44	44	44
171	53	38	44	45	45	44	44
172	53	56	44	44	44	44	44
173	54	15	44	44	44	44	44
174	54	34	44	46	44	44	43
175	54	53	45	44	44	44	44
176	55	11	44	45	44	45	44
177	55	30	45	44	44	45	44
178	55	49	45	45	45	44	44
179	56	8	44	44	44	44	44
180	56	27	45	46	45	44	44
181	56	45	45	44	45	44	43
182	57	4	44	44	44	44	43
183	57	23	44	44	45	45	44
184	57	42	44	44	44	44	44
185	58	0	44	46	45	45	44
186	58	19	44	45	44	44	44
187	58	38	45	44	44	44	44
188	58	57	44	46	44	44	43
189	59	15	44	46	44	44	44
190	59	34	44	44	44	44	44
191	59	53	45	46	44	44	44
192	60	12	44	45	44	44	44
193	"	"	44	44	44	45	43
194	60	49	44	46	44	45	44
195	61	8	44	45	44	45	44

900/

3-06 EATER LENUM HMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
45	45	45	44	43	41	42	42	40
45	45	45	44	42	41	42	40	40
46	46	45	44	42	41	42	42	40
46	46	46	44	43	41	42	40	39
45	45	45	44	42	41	42	40	40
46	45	45	44	43	41	42	43	40
47	45	45	44	42	41	42	41	40
45	45	45	44	42	41	42	43	40
46	45	45	44	42	42	42	40	40
44	44	44	44	41	41	42	41	40
45	45	44	44	42	42	42	42	41
46	45	45	44	43	42	42	43	40
45	45	45	44	42	42	42	41	40
45	45	45	44	43	42	42	44	40
44	45	45	44	42	42	42	43	40
46	45	44	43	43	42	43	41	41
45	45	44	44	42	42	42	41	40
45	45	45	44	42	42	42	41	40
45	44	45	44	42	43	43	41	41
45	45	44	44	42	42	44	43	40
45	44	45	44	42	42	43	42	41
45	44	44	44	43	42	44	44	41
43	45	44	44	43	42	43	43	41
46	45	45	44	42	42	44	41	41
44	44	44	44	42	42	42	44	41
45	45	44	44	41	42	42	43	41
44	44	44	44	42	43	43	41	41
44	44	44	44	42	42	43	42	41
46	44	44	43	42	42	44	41	41
44	44	44	44	42	42	43	43	41
45	44	45	44	43	43	44	44	42
44	44	45	44	43	43	44	43	41
45	45	44	44	42	43	44	44	41
44	44	44	44	43	42	44	44	42
46	45	44	43	42	43	44	42	41
44	45	44	43	42	43	44	44	41
44	44	45	44	43	43	44	42	41
44	45	44	44	42	43	44	41	42
46	45	44	44	42	43	44	44	41
45	44	44	44	42	43	44	44	41
44	44	44	44	43	43	45	41	41
46	44	44	43	42	44	44	44	41
46	44	44	44	43	43	44	44	41
44	44	44	44	42	43	45	43	41
46	44	44	44	42	43	44	45	41
45	44	44	44	42	43	44	42	41
44	44	45	43	43	43	44	42	42
46	44	45	44	42	43	45	43	42
45	44	45	44	44	43	44	44	41

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
196	61	27	44	46	44	45	44
197	61	45	44	44	45	45	44
198	62	4	44	45	45	45	44
199	62	23	45	45	45	44	44
200	62	42	45	44	45	45	44
201	63	0	45	44	44	45	44
202	63	19	44	44	45	44	44
203	63	38	45	44	44	44	44
204	63	57	44	45	45	44	44
205	64	15	44	46	45	44	44
206	64	34	44	44	45	44	45
207	64	53	44	45	44	44	45
208	65	12	44	44	45	44	45
209	65	30	44	45	45	44	44
210	65	49	44	45	44	44	44
211	66	8	44	45	44	44	44
212	66	27	44	45	45	44	44
213	66	45	44	45	44	44	45
214	67	4	44	45	44	44	44
215	67	23	44	44	45	45	44
216	67	42	44	45	44	44	43
217	68	0	44	44	44	44	44
218	68	19	44	44	45	45	45
219	68	38	44	44	44	45	44
220	68	56	44	45	45	45	44
221	69	15	44	45	45	44	45
222	69	34	44	45	44	44	44
223	69	53	44	46	44	45	44
224	70	12	44	45	44	44	44
225	70	30	44	44	45	45	44
226	70	49	44	44	44	45	44
227	71	8	44	45	44	44	45
228	71	27	44	45	44	44	44
229	71	45	44	44	45	44	44
230	72	4	44	45	45	45	44
231	72	23	44	45	44	45	44
232	72	41	44	44	44	45	44
233	73	0	44	44	44	44	44
234	73	19	44	45	44	44	44
235	73	38	43	45	44	44	44
236	73	56	44	45	44	44	44
237	74	15	44	44	45	44	44
238	74	34	44	43	44	44	44
239	74	53	43	44	44	44	44
240	75	11	43	44	44	44	44
241	75	30	43	44	45	44	44
242	75	49	44	44	45	44	45
243	76	7	43	45	44	44	44
244	76	26	44	45	44	45	44
245	76	45	44	44	44	44	44

1007

-06 TER ENUM BER TEMP OUT G.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
46	44	45	44	42	44	45	42	41
44	45	45	44	43	44	45	44	41
45	45	45	44	44	44	45	41	42
45	45	44	44	44	44	44	44	42
44	45	45	44	43	44	45	42	42
44	44	45	44	43	44	45	42	42
44	45	44	44	43	44	45	44	41
44	44	44	44	43	44	44	44	41
45	45	44	44	43	44	44	44	42
46	45	44	44	43	44	45	41	41
44	45	44	45	42	44	44	42	42
45	44	44	45	43	44	45	45	41
44	45	44	45	42	44	44	41	41
45	45	44	44	43	44	45	41	42
45	44	44	44	43	45	45	41	42
45	44	44	44	43	44	45	44	42
45	45	44	44	43	44	45	44	41
45	44	44	45	42	45	44	41	41
45	44	44	44	43	44	45	43	41
44	45	45	44	43	44	45	44	42
45	44	44	43	44	44	45	42	42
44	44	44	44	44	45	45	43	41
44	45	45	45	43	44	45	42	42
44	44	45	44	43	45	45	43	42
45	45	45	44	43	45	45	42	42
45	45	44	45	43	45	45	43	42
45	44	44	44	44	45	45	43	42
46	44	45	44	44	45	46	44	42
45	44	44	44	43	45	45	43	42
44	45	45	44	44	45	45	45	42
44	44	45	44	44	45	45	44	42
45	44	44	45	43	45	46	45	42
45	44	44	44	43	45	45	45	42
44	45	45	44	44	45	45	45	42
45	45	45	44	43	45	46	43	41
45	44	45	44	44	45	46	45	42
44	44	45	44	43	45	46	45	42
44	44	44	44	43	45	46	43	42
45	44	44	44	44	45	46	45	42
45	44	44	44	44	45	46	45	42
45	44	44	44	43	45	45	45	42
44	45	44	44	43	45	45	45	42
43	44	44	44	44	45	46	46	42
44	44	44	44	44	45	46	44	42
44	44	44	44	43	45	46	44	42
44	45	44	44	44	46	47	45	42
44	45	44	45	44	45	46	44	42
45	44	44	44	44	46	46	45	43
45	44	45	44	44	46	46	46	42
44	44	44	44	44	46	45	44	42

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
246	77	4	43	45	45	44	44
247	77	22	43	44	44	44	44
248	77	41	43	45	44	44	44
249	78	0	43	44	44	44	44
250	78	19	43	43	45	44	44
251	78	37	44	45	44	44	44
252	78	56	43	45	45	44	44
253	79	15	43	44	44	44	44
254	79	34	44	44	44	44	45
255	79	52	43	45	44	44	44
256	80	11	44	45	44	44	44
257	80	30	44	44	44	44	45
258	80	48	43	44	45	44	44
259	81	7	44	45	44	44	45
260	81	26	44	44	44	44	44
261	81	45	44	44	44	44	44
262	82	3	43	44	44	44	44
263	82	22	43	45	44	44	45
264	82	41	44	44	44	44	44
265	83	0	44	45	45	44	45
266	83	18	44	45	44	44	45
267	83	37	44	44	45	45	44
268	83	56	44	44	44	44	44
269	84	15	43	44	44	45	44
270	84	33	43	43	44	44	44
271	84	52	43	43	45	45	44
272	85	11	44	43	44	44	45
273	85	30	43	44	44	45	44
274	85	48	44	46	44	44	45
275	86	7	44	44	45	45	45
276	86	26	43	44	44	45	44
277	86	45	43	45	44	44	44
278	87	3	43	45	44	44	44
279	87	22	44	44	44	44	44
280	87	41	43	44	45	44	44
281	88	0	43	45	45	45	44
282	88	18	44	45	45	44	44
283	88	37	43	44	44	44	44
284	88	56	43	43	44	44	45
285	89	15	43	45	44	44	44
286	89	33	43	43	44	44	44
287	89	52	43	44	44	44	45
288	90	11	44	44	44	44	44
289	90	30	43	44	44	44	44
290	90	48	43	44	44	44	44
291	91	7	44	45	44	44	44
292	91	26	44	45	44	44	44
293	91	44	43	44	43	44	44
294	92	3	44	44	44	44	44
295	92	22	44	44	44	44	44

-06 TER NUM BER TEMP OUT G.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
45	45	44	44	44	46	46	43	42
44	44	44	44	43	46	46	45	42
45	44	44	44	43	46	45	43	42
44	44	44	44	45	45	46	45	42
43	45	44	44	44	45	46	45	42
45	44	44	44	44	45	46	44	42
45	45	44	44	44	46	46	43	42
44	44	44	44	44	46	46	44	43
44	44	44	45	44	45	46	44	43
45	44	44	44	44	46	46	43	42
45	44	44	44	44	45	45	43	42
44	44	44	45	44	45	46	46	42
44	45	44	44	44	46	46	44	43
45	44	44	45	45	45	46	44	42
44	44	44	44	45	46	47	44	42
44	44	44	44	44	46	46	43	42
44	44	44	44	45	46	46	43	42
45	44	44	45	44	46	46	45	42
44	44	44	44	44	46	47	44	42
45	45	44	45	44	46	46	45	43
45	44	44	45	44	46	46	45	42
44	45	45	44	44	46	47	44	43
44	44	44	44	44	46	46	46	42
44	44	45	44	44	46	46	46	42
43	44	44	44	44	46	46	45	42
43	45	45	44	44	46	46	44	42
43	44	44	45	44	46	47	44	43
44	44	45	44	44	46	47	43	43
46	44	46	45	45	46	47	46	42
44	45	45	45	45	46	47	44	42
44	44	45	44	45	46	46	46	43
45	44	44	44	43	46	46	43	42
45	44	44	44	44	46	46	43	42
44	44	44	44	44	46	46	46	42
44	45	44	44	44	46	46	45	42
45	45	45	44	44	46	46	43	43
45	45	44	44	44	46	46	43	42
44	44	44	44	43	46	46	46	42
43	44	44	45	44	45	46	45	43
45	44	44	44	44	46	47	43	43
43	44	44	44	44	46	47	45	42
44	44	44	45	44	46	46	43	43
44	44	44	44	43	46	47	45	43
44	44	44	44	44	46	46	43	44
44	44	44	44	44	46	47	43	43
45	44	44	44	44	46	46	43	43
43	44	44	44	44	46	45	46	43
44	43	44	44	44	46	46	42	43
44	44	44	44	44	46	46	43	43
44	44	44	44	44	45	46	44	42

2

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	O (
296	92	41	44	45	44	45	44	
297	92	59	44	45	45	45	44	
298	93	18	44	43	43	44	45	
299	93	37	44	45	45	44	44	
300	93	56	44	43	44	44	44	
301	94	14	44	45	44	44	45	
302	94	33	44	43	44	44	45	
303	94	52	44	45	45	44	45	
304	95	10	44	44	44	45	45	
305	95	29	44	43	44	45	45	
306	95	48	44	44	45	45	45	
307	96	7	44	45	44	45	45	
308	96	25	44	44	45	45	46	
309	96	44	44	45	45	45	45	
310	96	56	44	44	45	44	45	
311	97	8	44	45	44	45	45	
312	97	20	43	43	44	45	44	
313	97	33	44	44	45	44	45	
314	97	51	44	44	45	44	44	
315	98	10	43	43	45	44	45	
316	98	29	43	45	44	44	44	
317	98	47	43	44	44	45	45	
318	99	6	43	43	44	44	45	
319	99	25	43	43	45	44	44	
320	99	44	43	43	44	44	45	
321	100	2	42	45	45	45	44	
322	100	21	43	44	44	44	44	
323	100	40	42	44	44	44	45	
324	100	59	42	45	44	44	44	
325	101	17	43	45	44	44	45	
326	101	36	43	43	44	44	44	
327	101	55	43	45	45	44	44	
328	102	13	43	44	45	45	45	
329	102	32	43	45	44	45	45	
330	102	51	42	44	44	44	44	
331	103	10	43	45	44	44	44	
332	103	28	43	43	44	45	44	
333	103	47	43	45	45	44	45	
334	104	6	43	43	44	44	44	
335	104	25	42	45	44	44	44	
336	104	43	42	44	44	45	44	
337	105	2	43	44	44	45	44	
338	105	21	42	44	45	44	44	
339	105	39	42	45	43	44	45	
340	105	58	42	44	45	44	45	
341	106	17	41	44	44	44	44	
342	106	36	41	44	43	44	44	
343	106	54	42	45	44	44	44	
344	107	13	42	44	44	44	44	
345	107	32	42	44	44	44	45	

-06 TER NUM BER EMP OUT G.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
45	44	45	44	44	46	46	45	44
45	45	45	44	44	46	46	45	43
43	43	44	45	44	46	46	43	43
45	45	44	44	44	46	46	45	43
43	44	44	44	44	46	46	44	43
45	44	44	45	44	46	46	43	43
43	44	44	45	44	46	46	46	44
45	45	44	45	44	46	46	44	44
44	44	45	45	44	46	46	44	44
43	44	45	45	45	46	47	47	43
44	45	45	45	45	47	47	47	43
45	44	45	45	44	46	48	45	44
44	45	45	46	44	46	48	47	44
45	45	45	45	44	47	47	46	43
44	45	44	45	44	46	47	44	43
45	44	45	45	44	47	47	45	44
43	44	45	44	45	47	46	46	43
44	45	44	45	45	46	47	46	43
44	45	44	44	44	47	46	44	44
43	45	44	45	44	46	47	47	43
45	44	44	44	44	46	46	46	43
44	44	45	45	44	46	47	44	43
43	44	45	45	45	46	46	44	43
43	45	44	44	44	46	46	44	44
43	44	44	45	45	46	46	44	44
45	45	45	44	44	46	47	44	44
44	44	44	44	45	46	47	46	43
44	44	44	45	45	46	47	44	43
45	44	44	44	45	47	47	44	44
45	44	44	45	44	47	46	45	44
43	44	44	44	44	47	47	46	44
45	45	44	44	44	46	46	46	43
44	45	45	45	44	46	47	44	43
45	44	45	45	45	46	47	44	44
44	44	44	44	45	46	47	46	44
45	44	44	44	44	46	46	47	44
43	44	45	44	45	46	47	46	43
45	45	44	45	44	46	47	46	43
43	44	44	44	44	46	47	44	44
45	44	44	44	44	46	47	46	43
44	44	45	44	45	46	47	44	44
44	44	45	44	45	46	46	44	43
44	45	44	44	44	47	46	46	43
45	43	44	45	44	46	47	46	43
44	45	44	45	45	46	47	46	44
44	44	44	44	45	46	47	44	44
44	43	44	44	45	46	46	46	43
45	44	44	44	45	46	46	45	43
44	44	44	44	44	46	46	44	44
44	44	44	45	44	46	46	45	44

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3- DIS DU OUTL (CKP R.S DEG
346	107	50	41	43	44	44	44	4
347	108	9	41	45	43	44	44	4
348	108	28	42	45	44	44	44	4
349	108	47	42	42	44	44	44	4
350	109	5	41	43	43	44	44	4
351	109	24	41	42	43	43	44	4
352	109	43	41	42	44	44	44	4
353	110	1	41	43	44	43	44	4
354	110	20	41	43	43	43	44	4
355	110	39	41	42	42	43	43	4
356	110	58	41	44	44	43	43	4
357	111	16	41	44	43	42	44	4
358	111	35	41	42	43	43	44	4
359	111	54	42	42	43	43	44	4
360	112	12	41	42	42	43	43	4
361	112	31	41	44	42	42	43	4
362	112	50	41	43	42	42	43	4
363	111	49	42	43	43	42	43	4
364	113	27	41	41	42	43	44	4
365	113	46	41	41	42	43	43	4
366	114	5	41	44	43	43	44	4
367	114	23	41	42	42	42	43	4
368	114	42	41	43	43	42	43	4
369	115	1	41	43	42	42	43	4
370	115	19	41	42	42	43	44	4
371	115	38	41	42	42	42	44	4
372	115	57	41	43	42	43	44	4
373	116	16	41	43	42	43	43	4
374	116	34	41	43	42	43	44	4
375	116	53	41	43	42	43	43	4
376	117	12	41	41	42	43	44	4
377	117	30	41	41	42	42	43	4
378	117	49	42	41	42	42	43	4
379	118	8	41	43	43	43	44	4
380	118	27	42	42	42	43	43	4
381	118	45	42	43	43	42	44	4
382	119	4	42	42	43	42	43	4
383	119	23	42	41	42	43	43	4
384	119	41	41	42	41	42	43	4
385	120	0	42	41	42	42	43	4
386	120	19	41	43	42	42	43	4
387	120	38	42	41	42	42	42	4
388	120	56	42	43	42	43	44	4
389	121	15	42	41	42	42	44	4
390	121	34	41	42	42	42	43	4
391	121	52	41	43	41	43	44	4
392	122	11	42	43	42	43	44	4
393	122	30	41	42	43	43	44	4
394	122	48	42	43	43	43	44	4
395	123	7	41	43	44	43	45	4

-06	3-07	3-08	3-09	3-10	3-11	3-12	3-13	3-14
TER	HEATER	HEATER	DIST.	DIST.	DIST.	DIST.	PILOTS	PILOTS
NUM	MAIN	MAIN	DUCT	DUCT	DUCT	DUCT	HEAD	WAIST
BER	DIST.	DIST.	OUTLET	OUTLET	OUTLET	OUTLET	LEVEL	LEVEL
EMP	DUCT	DUCT	(CKPIT	(CKPIT	STA460	STA460	AIR	AIR
OUT	LS FWD	RS FWD	L.S.)	R.S.)	-470RS	-470LS	TEMP	TEMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
43	44	44	44	44	46	46	46	44
45	43	44	44	45	46	47	46	43
45	44	44	44	44	46	47	47	44
42	44	44	44	44	46	46	46	44
43	43	44	44	45	46	46	44	44
42	43	43	44	44	46	45	46	43
42	44	44	44	44	46	46	44	44
43	44	43	44	44	46	46	44	43
43	43	43	44	44	46	46	45	43
42	42	43	43	44	46	46	42	44
44	44	43	43	44	46	45	45	43
44	43	42	44	43	46	46	44	43
42	43	43	44	44	46	46	43	43
42	43	43	44	44	46	45	45	43
42	42	43	43	44	45	46	43	43
44	42	42	43	43	45	46	44	43
43	42	42	43	43	45	45	45	43
43	43	42	43	43	46	45	44	43
41	42	43	44	44	45	45	44	43
41	42	43	43	44	45	46	42	43
44	43	43	44	43	45	46	43	43
42	42	42	43	44	45	46	45	43
43	43	42	43	44	46	46	45	43
43	42	42	43	44	45	45	42	43
42	42	43	44	44	46	45	43	43
42	42	42	44	43	45	46	42	43
43	42	43	44	43	45	46	45	43
43	42	43	43	44	45	45	43	43
43	42	43	44	44	45	45	44	44
43	42	43	43	44	45	45	44	44
41	42	43	44	43	45	45	44	44
41	42	42	43	44	45	45	45	43
41	42	42	43	44	45	45	42	44
43	43	43	44	44	45	45	45	43
42	42	43	43	44	45	45	44	43
43	43	42	44	44	45	45	45	42
43	42	42	43	43	45	45	42	42
42	43	43	43	45	45	45	44	43
41	42	43	43	46	45	45	42	43
42	42	43	43	45	45	45	45	43
42	42	43	43	45	45	45	44	43
42	42	42	44	45	45	45	45	43
42	43	44	44	45	45	45	45	43
42	42	44	44	45	45	45	44	43
42	42	43	44	45	45	45	43	43
41	43	44	43	45	45	45	44	43
42	43	44	43	45	45	45	43	43
43	43	44	43	45	45	45	44	43
43	43	44	44	45	45	45	42	43
44	43	45	43	45	45	45	44	43

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3- DI D OUT (CK R. DE
396	123	26	42	44	43	44	45	
397	123	4[illegible]	42	42	43	44	45	
398	124	3	42	43	44	44	45	
399	124	22	42	45	44	44	44	
400	124	41	43	44	45	44	45	
401	124	59	42	43	44	45	45	
402	125	18	43	43	44	45	45	
403	125	37	43	44	45	45	45	
404	125	55	43	44	44	45	45	
405	126	14	44	44	44	45	45	
406	126	33	43	45	44	44	45	
407	126	51	43	45	44	45	45	
408	127	10	43	44	44	45	44	
409	127	29	43	45	44	45	45	
410	127	47	43	45	45	45	45	
411	128	6	44	44	44	45	45	
412	128	25	44	44	44	44	45	
413	128	43	44	44	45	45	45	
414	129	2	43	45	45	45	44	
415	129	21	41	44	44	45	44	
416	129	40	41	43	44	44	44	
417	129	58	39	43	43	43	43	
418	130	17	39	43	43	43	42	
419	130	36	39	43	43	42	43	
420	130	54	39	44	43	43	43	
421	131	13	38	43	43	43	43	
422	131	32	41	44	43	42	43	
423	131	50	38	43	43	44	44	
424	132	9	40	45	44	44	43	
425	132	28	41	45	44	44	44	
426	132	46	41	43	44	44	44	
427	133	5	40	43	43	44	44	
428	133	24	39	45	44	44	44	
429	133	43	39	45	45	44	44	
430	134	1	40	44	44	44	44	
431	134	20	40	45	45	44	44	
432	134	39	40	44	44	44	45	
433	134	57	40	43	44	45	44	
434	135	16	40	44	44	44	44	
435	135	35	40	46	44	44	44	
436	135	53	41	44	44	44	45	
437	136	12	42	44	45	44	44	
438	136	31	42	44	44	44	44	
439	136	49	43	44	44	44	44	
440	137	8	44	44	44	44	44	
441	137	27	44	45	44	44	44	
442	137	46	45	44	44	44	44	
443	*	*	*	*	*	*	*	

06 ER UM ER MP UT C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
4	43	44	45	43	45	45	46	43
2	43	44	45	44	45	45	46	43
3	44	44	45	44	46	46	44	43
5	44	44	44	44	45	46	46	44
4	45	44	45	43	45	45	45	43
3	44	45	45	44	46	45	44	43
3	44	45	45	44	45	45	44	43
4	45	45	45	44	47	46	44	43
4	44	45	45	45	47	46	45	43
4	44	45	45	44	45	46	46	43
5	44	44	45	44	45	45	46	42
5	44	45	45	44	45	46	47	43
4	44	45	44	43	45	45	44	43
5	44	45	45	44	45	45	44	42
5	45	45	45	44	45	45	43	43
4	44	45	45	44	45	46	44	42
4	44	44	45	43	45	45	45	42
4	45	45	45	44	46	46	44	43
5	45	45	44	44	45	45	44	42
3	44	45	44	45	45	45	46	43
3	44	44	44	44	45	45	45	43
3	43	43	43	43	45	45	45	42
3	43	43	42	44	44	45	45	43
3	43	42	43	44	45	44	42	43
3	43	43	43	44	45	44	42	42
3	43	43	43	44	45	44	42	43
3	43	42	43	42	44	44	42	43
3	43	44	44	44	44	44	45	43
3	44	44	43	43	44	44	44	44
3	44	44	44	45	44	45	45	43
3	44	44	44	44	45	44	42	44
3	43	44	44	44	44	44	45	44
3	44	44	44	44	44	44	45	44
3	45	44	44	44	44	44	45	43
3	44	44	44	44	44	44	45	43
3	45	44	44	44	44	45	43	43
3	44	44	45	43	44	44	43	43
3	44	45	44	44	45	44	42	43
3	44	44	44	43	45	44	45	42
3	44	44	44	44	44	44	45	42
3	44	44	45	43	44	44	44	42
3	45	44	44	44	45	45	45	42
3	44	44	44	44	44	45	45	42
3	44	44	44	44	45	45	43	42
3	44	44	44	44	45	45	43	42
3	44	44	44	45	45	45	44	41
3	44	44	44	43	45	45	44	40
	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	CO- FL DE
1	0	8	34	31	38	36	34	
2	0	27	34	31	39	36	34	
3	0	46	34	31	38	36	34	
4	1	5	34	32	39	35	34	
5	1	24	34	31	38	36	34	
6	*	*	33	31	38	35	34	
7	2	2	34	31	38	36	34	
8	2	21	34	31	38	36	34	
9	2	40	34	31	38	35	34	
10	2	59	33	31	38	35	34	
11	3	18	34	31	38	35	34	
12	3	37	34	31	37	35	34	
13	3	56	33	31	37	35	34	
14	4	15	33	31	38	35	34	
15	4	34	33	31	37	35	34	
16	*	*	33	31	38	35	34	
17	*	51	33	31	38	35	34	
18	*	10	34	31	38	35	34	
19	*	29	34	31	38	36	34	
20	*	48	33	32	38	35	35	
21	*	7	34	30	38	36	33	
22	6	46	33	33	37	35	35	
23	7	5	34	32	37	35	34	
24	7	24	33	31	37	35	34	
25	*	*	34	31	38	35	34	
26	8	2	34	31	38	35	34	
27	8	21	34	31	37	35	34	
28	8	50	35	33	39	37	35	
29	*	*	35	33	39	37	35	
30	9	27	35	33	39	37	35	
31	9	46	35	33	39	37	35	
32	10	5	34	33	39	37	35	
33	10	24	34	33	39	37	35	
34	*	*	35	33	39	37	35	
35	11	1	34	32	39	37	35	
36	*	*	34	32	39	36	35	
37	*	19	35	32	39	37	35	
38	*	38	34	33	38	37	35	
39	28	57	34	32	39	37	35	
40	12	36	35	32	38	37	35	
41	12	55	34	32	39	36	35	
42	13	13	35	33	38	37	35	
43	13	32	34	32	38	37	35	
44	*	*	34	32	39	36	35	
45	14	10	35	33	39	37	35	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-16 OTS OOR ASS AIR EMP G.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
31	38	36	34	32	36	35	31	30
31	39	36	34	31	36	34	31	30
31	38	36	34	31	36	34	31	31
32	39	35	34	32	36	34	31	30
31	38	36	34	31	37	34	31	30
31	38	35	34	31	37	34	31	31
31	38	36	34	31	37	34	31	30
31	38	36	34	31	37	35	31	30
31	38	35	34	31	37	34	31	30
31	38	35	34	31	36	34	31	30
31	38	35	34	31	37	34	31	30
31	37	35	34	31	37	34	31	30
31	37	35	34	31	37	34	31	31
31	38	35	34	31	36	34	31	30
31	37	35	34	31	37	34	31	30
31	38	35	34	31	37	34	31	30
31	38	35	34	31	38	34	31	30
31	38	36	34	31	37	34	31	31
32	38	35	35	32	37	34	31	30
30	38	36	33	31	37	34	31	31
33	37	35	35	31	37	34	31	31
32	37	35	34	31	37	34	31	30
31	37	35	34	32	37	34	31	30
31	38	35	34	32	36	34	31	30
31	38	35	34	31	36	34	31	30
31	37	35	34	31	36	34	31	30
33	39	37	35	33	38	35	33	31
33	39	37	35	33	38	35	32	32
33	39	37	35	33	38	36	33	32
33	39	37	35	33	38	36	32	32
33	39	37	35	33	38	35	32	32
33	39	37	35	33	38	36	32	31
33	39	37	35	33	38	36	32	32
32	39	37	35	33	38	35	32	31
32	39	36	35	33	38	36	32	31
32	39	37	35	33	38	35	32	31
33	38	37	35	33	38	35	32	31
32	39	37	35	33	38	35	32	32
32	38	37	35	33	38	35	32	31
32	39	36	35	33	39	35	32	33
33	38	37	35	33	38	35	32	31
32	38	37	35	33	38	36	32	31
32	39	36	35	33	38	36	32	32
33	39	37	35	34	38	36	33	32

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3- CO- FL M T DE
46	*	*	35	32	39	36	35	
47	14	48	34	34	39	37	34	
48	15	6	34	34	39	36	35	
49	*	*	35	34	39	37	35	
50	15	44	35	34	39	37	34	
51	16	3	34	34	39	36	35	
52	16	22	35	32	38	38	35	
53	16	41	34	34	39	36	36	
54	16	59	35	34	39	37	34	
55	17	18	35	33	39	36	36	
56	17	37	35	34	38	37	36	
57	17	56	35	34	38	36	35	
58	18	15	36	33	38	39	36	
59	18	34	36	36	38	38	36	
60	18	52	36	34	38	38	36	
61	19	11	36	33	38	38	39	
62	19	30	36	36	38	40	37	
63	19	49	38	36	38	39	39	
64	20	8	36	34	38	38	39	
65	20	26	38	33	38	39	38	
66	20	45	39	36	39	40	39	
67	21	4	37	36	38	41	37	
68	21	23	38	37	39	41	38	
69	21	42	38	35	39	39	40	
70	22	0	39	36	39	41	39	
71	22	19	38	36	39	40	38	
72	22	38	39	36	39	40	40	
73	22	57	38	37	39	41	38	
74	23	16	37	36	39	39	41	
75	23	35	39	34	39	39	41	
76	23	53	38	37	39	39	41	
77	24	12	38	37	39	39	41	
78	24	31	39	36	40	39	38	
79	24	50	39	37	40	40	38	
80	25	9	40	36	40	39	41	
81	25	27	40	35	40	42	38	
82	25	46	40	36	40	41	40	
83	26	5	40	39	40	39	38	
84	26	24	39	35	40	42	42	
85	26	43	40	37	40	41	40	
86	27	1	40	37	40	41	40	
87	27	20	40	40	41	41	40	
88	27	39	41	38	40	41	40	
89	27	58	40	38	40	40	42	
90	28	17	41	38	41	41	40	
91	28	35	40	39	41	41	40	
92	28	54	40	36	41	42	41	
93	29	13	39	36	40	42	40	
94	29	32	41	40	41	42	39	
95	29	51	40	39	41	41	41	

3-16 LOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
32	39	36	35	33	38	36	33	32
34	39	37	34	33	38	36	32	32
34	39	36	35	33	38	36	33	32
34	39	37	35	33	38	36	32	31
34	39	37	34	34	38	35	33	31
34	39	36	35	33	38	36	33	31
32	38	38	35	34	38	36	33	32
34	39	36	36	33	38	36	32	32
34	39	37	34	34	38	36	33	32
33	39	36	36	34	38	35	33	32
34	38	37	36	33	36	49	33	31
34	38	36	35	34	36	36	33	31
33	38	39	36	35	39	43	34	32
36	38	38	36	34	37	44	34	32
34	38	38	36	35	39	36	35	33
33	38	38	39	35	40	29	35	32
36	38	40	37	34	36	46	35	32
36	38	39	39	34	38	46	35	32
34	38	38	39	34	38	36	35	31
33	38	39	38	35	41	44	35	32
36	39	40	39	35	38	49	35	33
36	38	41	37	35	38	46	36	32
37	39	41	38	36	39	27	35	33
35	39	39	40	36	41	29	36	33
36	39	41	39	36	39	46	36	33
36	39	40	38	37	41	44	36	33
36	39	40	40	36	39	46	36	33
37	39	41	38	36	39	48	36	32
36	39	39	41	36	38	36	36	32
34	39	39	41	37	42	36	36	33
37	39	39	41	37	39	32	36	32
37	39	39	41	37	39	35	37	32
36	40	39	38	36	39	33	37	33
37	40	40	38	36	40	31	37	34
36	40	39	41	36	42	43	36	33
35	40	42	38	38	42	36	36	33
36	40	41	40	38	42	36	36	33
39	40	39	38	37	40	32	37	34
35	40	42	42	38	43	48	37	33
37	40	41	40	36	39	51	37	33
37	40	41	40	38	40	31	37	33
40	41	41	40	38	40	36	37	32
38	40	41	40	38	41	51	37	33
38	40	40	42	38	41	35	37	33
39	41	41	40	39	42	51	38	34
39	41	41	40	38	40	44	38	33
36	41	42	41	39	41	29	38	34
36	40	42	40	38	43	56	38	34
40	41	42	39	39	41	44	38	34
39	41	41	41	40	40	31	38	35

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
96	30	9	41	38	41	42	41
97	30	28	41	39	41	43	40
98	30	47	41	40	42	43	40
99	31	6	43	39	42	44	40
100	31	24	41	37	42	41	43
101	31	43	41	39	42	42	42
102	32	2	41	38	42	43	42
103	32	21	41	38	41	43	41
104	32	40	40	40	42	42	41
105	32	58	41	39	42	43	40
106	33	17	41	36	42	43	40
107	33	36	41	40	41	43	41
108	33	55	41	39	41	41	42
109	34	14	40	39	40	41	42
110	34	32	41	37	43	42	41
111	34	51	41	38	43	42	40
112	35	10	40	39	42	42	40
113	35	29	40	39	42	42	39
114	35	48	41	37	43	42	39
115	36	6	41	37	44	42	39
116	36	25	40	39	42	42	40
117	36	44	39	40	43	42	39
118	37	3	39	39	42	42	40
119	37	21	40	37	43	42	39
120	37	40	40	39	41	41	42
121	37	59	41	40	42	41	42
122	38	18	39	40	42	41	39
123	38	37	40	38	41	40	41
124	38	55	39	39	42	41	39
125	39	14	40	39	41	41	39
126	39	33	39	39	43	42	39
127	39	52	40	37	42	41	41
128	40	11	40	39	41	41	39
129	40	29	39	38	42	41	41
130	40	48	39	41	43	41	39
131	41	7	40	38	41	40	41
132	41	26	40	38	41	40	41
133	41	44	39	37	43	41	41
134	42	3	39	39	42	41	39
135	42	22	39	39	43	42	39
136	42	41	40	37	41	41	41
137	43	0	39	41	41	41	39
138	43	18	39	39	41	41	39
139	43	37	39	38	43	42	40
140	43	56	41	38	42	41	41
141	44	15	40	38	43	42	41
142	44	33	39	39	43	42	39
143	44	52	39	40	42	42	39
144	45	11	40	40	41	41	41
145	45	30	41	39	41	42	39

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3-16 LOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
38	41	42	41	38	41	56	38	34
39	41	43	40	38	41	31	38	35
40	42	43	40	38	42	51	39	34
39	42	44	40	39	44	49	39	35
37	42	41	43	40	45	36	38	34
39	42	42	42	39	43	36	39	34
38	42	43	42	39	42	42	39	34
38	41	43	41	39	43	41	38	34
40	42	42	41	40	43	41	39	34
39	42	43	40	40	43	41	39	35
36	42	43	40	39	44	41	39	34
40	41	43	41	39	44	45	38	34
39	41	41	42	39	43	41	38	34
39	40	41	42	38	44	41	38	35
37	43	42	41	39	43	41	37	35
38	43	42	40	40	43	40	38	34
39	42	42	40	40	44	40	38	34
39	42	42	39	39	44	41	37	35
37	43	42	39	39	44	40	38	35
37	44	42	39	40	44	40	37	35
39	42	42	40	39	44	40	37	35
40	43	42	39	40	44	39	36	35
39	42	42	40	39	44	40	36	35
37	43	42	39	39	44	39	37	35
39	41	41	42	39	44	40	36	34
40	42	41	42	39	44	39	36	35
40	42	41	39	39	44	39	36	35
38	41	40	41	39	44	39	36	35
39	42	41	39	39	44	39	36	35
39	41	41	39	39	44	39	36	35
39	43	42	39	39	44	39	36	35
37	42	41	41	39	44	39	36	35
39	41	41	39	39	44	39	36	36
38	42	41	41	39	43	39	36	36
41	43	41	39	39	44	39	36	35
38	41	40	41	39	44	39	36	36
38	41	40	41	39	44	39	36	36
37	43	41	41	38	44	39	36	36
39	42	41	39	39	44	39	36	35
39	43	42	39	38	44	40	36	36
37	41	41	41	39	43	39	36	36
41	41	41	39	40	43	39	36	35
39	41	41	39	41	43	40	36	35
38	43	42	40	39	44	39	36	36
38	42	41	41	40	44	39	37	36
38	43	42	41	38	44	39	36	36
39	43	42	39	39	44	40	37	36
40	42	42	39	40	44	40	37	36
40	41	41	41	40	43	39	37	36
39	41	42	39	40	44	40	37	37

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
146	45	47	40	38	44	42	41
147	46	7	39	40	43	42	40
148	46	26	39	40	43	42	40
149	46	45	40	40	42	42	39
150	47	4	39	41	42	42	39
151	47	22	39	38	43	42	42
152	47	41	39	40	43	42	39
153	48	0	39	41	43	42	39
154	48	19	39	40	41	41	40
155	48	37	39	39	44	42	42
156	48	56	39	41	44	43	41
157	49	15	39	39	44	43	41
158	49	34	40	42	43	42	41
159	49	52	40	39	43	42	42
160	50	11	41	39	44	42	40
161	50	30	40	40	42	42	41
162	50	49	40	39	43	41	39
163	51	8	40	39	44	42	41
164	51	26	40	41	44	41	39
165	51	45	41	41	44	42	42
166	52	4	40	39	43	43	41
167	52	23	41	41	44	42	40
168	52	41	39	40	43	42	41
169	53	0	40	41	42	44	42
170	53	19	39	41	43	42	40
171	53	38	39	40	42	41	40
172	53	56	41	41	44	42	40
173	54	15	40	41	42	43	43
174	54	34	40	41	42	43	42
175	54	53	40	40	42	43	42
176	55	11	40	40	44	43	42
177	55	30	40	42	42	42	42
178	55	49	40	42	43	42	42
179	56	8	40	41	42	42	42
180	56	27	40	40	44	42	42
181	56	45	40	41	43	42	40
182	57	4	41	40	43	42	42
183	57	23	41	41	44	43	42
184	57	42	40	42	43	42	42
185	58	0	41	41	42	43	42
186	58	19	40	39	45	43	41
187	58	38	41	41	43	43	43
188	58	57	40	42	42	42	42
189	59	15	40	42	42	43	42
190	59	34	40	42	43	43	43
191	59	53	41	40	45	44	41
192	60	12	41	43	45	42	41
193	*	*	40	42	44	43	40
194	60	49	41	41	42	44	43
195	61	8	40	41	44	43	41

3-16 FOOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
38	44	42	41	39	44	39	36	36
40	43	42	40	39	44	40	37	36
40	43	42	40	39	44	40	37	37
40	42	42	39	40	43	40	36	37
41	42	42	39	40	43	40	38	36
38	43	42	42	39	43	40	36	37
40	43	42	39	40	43	40	37	37
41	43	42	39	40	43	40	37	36
40	41	41	40	41	43	39	37	36
39	44	42	42	39	43	39	38	37
41	44	43	41	39	44	40	37	38
39	44	43	41	40	43	40	37	39
42	43	42	41	40	43	39	38	37
39	43	42	42	39	43	40	37	38
39	44	42	40	41	43	40	38	37
40	42	42	41	40	43	40	38	37
39	43	41	39	41	43	40	38	38
39	44	42	41	40	43	41	38	38
41	44	41	39	39	43	40	38	37
41	44	42	42	41	43	40	38	37
39	43	43	41	41	43	40	38	38
41	44	42	40	39	42	41	38	38
40	43	42	41	41	43	40	38	38
41	42	44	42	42	43	40	37	38
41	43	42	40	40	43	40	38	38
40	42	41	40	40	43	40	39	38
41	44	42	40	40	43	40	38	38
41	42	43	43	41	44	40	38	39
41	42	43	42	42	43	40	38	38
40	42	43	42	42	43	40	38	38
40	44	43	42	41	43	41	38	38
42	42	42	42	40	43	41	39	38
42	43	42	42	41	43	41	39	38
41	42	42	42	40	44	41	38	39
40	44	42	42	43	43	41	39	39
41	43	42	40	41	43	41	39	39
40	43	42	42	41	43	41	38	39
41	44	43	42	41	43	41	39	38
42	43	42	42	42	43	41	39	39
41	42	43	42	42	43	40	39	39
39	45	43	41	42	44	41	39	38
41	43	43	43	41	44	41	39	38
42	42	42	42	42	43	41	39	39
42	42	43	42	42	43	41	39	39
42	43	43	43	41	44	41	39	39
40	45	44	41	42	43	41	39	39
43	45	42	41	42	43	41	39	39
42	44	43	40	42	43	41	39	39
41	42	44	43	42	43	41	39	39
41	44	43	41	41	43	41	39	39

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	C
196	61	27	41	42	43	44	42	
197	61	45	41	41	44	43	41	
198	62	4	41	43	44	44	43	
199	62	23	41	43	45	43	42	
200	62	42	41	41	45	43	44	
201	63	0	41	42	44	43	41	
202	63	19	41	42	44	43	43	
203	63	38	41	42	44	42	43	
204	63	57	41	40	43	43	43	
205	64	15	41	43	45	43	41	
206	64	34	42	43	43	43	41	
207	64	53	41	43	44	44	44	
208	65	12	42	43	44	44	41	
209	65	30	41	43	44	44	41	
210	65	49	41	43	43	44	41	
211	66	8	41	41	44	43	44	
212	66	27	41	44	44	44	43	
213	66	45	41	43	44	43	44	
214	67	4	42	42	45	44	41	
215	67	23	41	43	45	44	44	
216	67	42	41	41	45	45	41	
217	68	0	42	41	43	44	42	
218	68	19	41	42	44	44	42	
219	68	38	41	41	43	44	43	
220	68	56	41	42	44	45	44	
221	69	15	42	44	43	43	44	
222	69	34	42	43	45	44	41	
223	69	53	41	44	45	44	44	
224	70	12	41	43	45	44	44	
225	70	30	41	43	44	44	42	
226	70	49	40	44	44	44	42	
227	71	8	42	42	44	43	42	
228	71	27	42	41	45	43	43	
229	71	45	42	43	44	44	41	
230	72	4	40	42	44	44	42	
231	72	23	42	44	44	44	41	
232	72	41	42	43	44	44	41	
233	73	0	41	43	46	44	44	
234	73	19	41	42	45	44	41	
235	73	38	41	44	45	44	44	
236	73	56	41	44	45	45	42	
237	74	15	41	42	44	44	44	
238	74	34	42	44	45	44	44	
239	74	53	42	43	46	43	43	
240	75	11	41	42	45	44	44	
241	75	30	42	44	44	45	44	
242	75	49	41	43	45	44	42	
243	76	7	41	44	45	44	44	
244	76	26	41	45	46	44	44	
245	76	45	42	43	44	44	42	

3-16 LOTS FLOOR MASS AIR TEMP EG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
42	43	44	42	43	44	41	39	39
41	44	43	41	41	43	41	39	39
43	44	44	43	44	44	41	39	40
43	45	43	42	43	44	41	40	40
41	45	43	44	43	44	41	39	40
42	44	43	41	42	44	41	39	40
42	44	43	43	44	44	41	39	39
42	44	42	43	43	44	41	39	40
40	43	43	43	43	44	42	39	39
43	43	43	41	42	44	42	39	39
43	43	43	41	42	44	41	40	40
43	44	44	44	42	44	42	39	40
43	44	44	41	43	44	41	39	40
43	44	44	41	42	44	42	39	41
43	43	44	41	42	44	42	40	41
41	44	43	44	44	44	42	40	39
44	44	44	43	43	43	41	40	40
43	44	43	44	41	44	42	40	40
42	45	44	41	42	44	42	40	41
43	45	44	44	43	44	42	40	41
41	45	45	41	43	43	41	40	41
41	43	44	42	42	43	41	40	41
42	44	44	42	42	44	42	40	40
41	43	44	43	44	44	42	40	40
42	44	45	44	43	44	42	40	41
44	43	43	44	44	44	41	40	41
43	45	44	41	43	44	42	40	40
44	45	44	44	44	44	42	40	41
43	45	44	44	43	44	42	40	40
43	44	44	42	44	44	42	40	41
44	44	44	42	42	44	42	39	40
42	44	43	42	44	44	42	40	41
41	45	43	43	43	44	42	40	41
43	44	44	41	43	44	42	41	41
42	44	44	42	42	44	43	40	41
44	44	44	41	42	44	42	40	41
43	44	44	41	43	44	42	40	41
43	46	44	44	43	44	42	40	41
42	45	44	41	42	44	42	40	41
44	45	44	44	43	44	42	40	41
44	45	45	42	43	44	42	40	40
42	44	44	44	44	44	42	41	40
44	45	44	44	43	43	42	40	41
43	46	43	43	43	44	42	41	41
42	45	44	44	44	44	43	40	41
44	44	45	44	43	44	42	40	41
43	45	44	42	43	44	42	41	41
44	45	44	44	43	44	43	41	41
45	43	44	44	43	44	43	41	41
43	44	44	42	43	44	42	41	41

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
246	77	4	41	44	45	44	41
247	77	22	42	44	45	44	44
248	77	41	42	44	45	44	44
249	78	0	41	45	45	44	42
250	78	19	42	44	44	44	42
251	78	37	42	44	44	44	43
252	78	56	42	44	44	44	45
253	79	15	42	44	45	44	44
254	79	34	42	44	45	45	43
255	79	52	41	44	45	44	42
256	80	11	42	44	45	44	42
257	80	30	42	44	45	44	43
258	80	48	42	44	46	43	42
259	81	7	41	44	46	43	44
260	81	26	42	44	45	44	45
261	81	45	42	43	46	44	43
262	82	3	42	45	45	44	42
263	82	22	41	42	45	44	44
264	82	41	42	45	45	44	42
265	83	0	42	43	45	44	45
266	83	18	42	44	47	45	43
267	83	37	42	45	45	43	44
268	83	56	41	45	46	45	42
269	84	15	42	45	46	43	41
270	84	33	41	43	45	44	42
271	84	52	42	44	45	44	43
272	85	11	43	43	46	44	44
273	85	30	41	45	44	44	44
274	85	48	41	44	45	44	42
275	86	7	42	45	45	45	44
276	86	26	41	44	47	45	43
277	86	45	43	42	45	44	44
278	87	3	42	45	45	45	42
279	87	22	43	42	46	44	45
280	87	41	43	44	45	44	43
281	88	0	42	43	45	44	44
282	88	18	42	44	46	44	45
283	88	37	43	43	44	44	42
284	88	56	42	44	45	45	43
285	89	15	42	43	45	44	44
286	89	33	42	43	45	44	44
287	89	52	42	45	47	45	45
288	90	11	42	43	44	44	43
289	90	30	42	43	46	45	45
290	90	48	41	46	46	45	45
291	91	7	42	44	45	44	44
292	91	26	43	46	45	45	44
293	91	44	42	43	44	44	43
294	92	3	42	43	44	44	44
295	92	22	42	45	45	44	44

3-16 LOTS FLOOR MASS AIR TEMP EG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
44	45	44	41	44	44	42	41	40
44	45	44	44	44	44	42	41	40
44	45	44	44	44	44	42	41	41
45	45	44	42	44	44	42	41	41
44	44	44	42	44	44	42	41	40
44	44	44	43	43	44	42	41	41
44	44	44	45	43	44	43	41	41
44	45	44	44	44	44	42	41	41
44	45	45	43	43	44	42	41	41
44	45	44	42	44	44	43	41	41
44	45	44	42	43	44	42	41	41
44	45	44	43	44	44	42	41	41
44	46	43	42	43	44	43	41	41
44	46	43	44	44	44	42	41	41
44	45	44	45	44	44	43	41	41
43	46	44	43	44	44	42	41	41
45	45	44	42	44	44	43	41	41
42	45	44	44	44	45	43	41	41
45	45	44	42	44	44	42	41	42
43	45	44	45	44	44	43	41	41
44	47	45	43	43	45	42	41	41
45	45	43	44	44	44	42	41	41
45	46	45	42	44	44	43	42	42
45	46	43	41	43	44	43	41	41
43	46	44	42	44	44	42	41	41
44	45	44	43	44	44	42	41	41
43	46	44	44	44	44	42	41	41
45	44	44	44	44	44	43	41	42
44	45	44	42	44	44	42	41	41
45	45	45	44	44	44	43	41	41
44	47	45	43	44	44	43	41	41
42	45	44	44	43	44	42	41	41
45	45	45	42	44	45	43	41	41
42	46	44	45	43	45	42	41	41
44	45	44	43	45	44	42	41	41
43	45	44	44	45	45	43	42	41
44	46	44	45	45	44	42	42	41
43	44	44	42	44	44	42	41	41
44	45	45	43	44	44	42	41	41
43	45	44	44	45	45	43	42	42
43	45	44	44	45	44	44	41	42
45	47	45	45	45	44	43	42	42
43	44	44	43	45	45	43	42	42
43	46	45	45	45	44	43	42	42
46	46	45	45	44	44	43	42	41
44	45	44	44	45	45	43	42	41
46	45	45	44	44	44	43	41	41
43	44	44	43	44	45	43	41	41
43	44	44	44	45	44	43	42	41
45	46	44	44	45	45	42	42	41

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
296	92	41	43	46	46	45	45
297	92	59	43	44	44	45	43
298	93	18	42	45	46	44	45
299	93	37	42	44	44	45	43
300	93	56	42	45	45	45	45
301	94	14	42	44	45	45	45
302	94	33	42	44	44	45	44
303	94	52	43	45	47	44	43
304	95	10	43	44	44	44	44
305	95	29	42	44	47	45	43
306	95	48	42	45	46	45	43
307	96	7	43	44	46	45	45
308	96	25	42	45	47	44	45
309	96	44	42	44	48	45	44
310	96	56	43	43	45	45	44
311	97	8	42	45	46	45	44
312	97	20	42	45	46	45	43
313	97	33	43	45	45	45	43
314	97	51	42	45	45	45	43
315	98	10	42	46	47	44	43
316	98	29	44	45	45	44	44
317	98	47	43	44	45	44	45
318	99	6	43	45	45	45	45
319	99	25	42	46	45	45	44
320	99	44	43	44	46	44	43
321	100	2	43	45	44	44	44
322	100	21	43	44	47	45	44
323	100	40	42	44	45	45	44
324	100	59	42	44	45	45	44
325	101	17	43	46	45	44	44
326	101	36	43	44	45	44	44
327	101	55	44	44	45	44	43
328	102	13	43	44	46	44	45
329	102	32	43	44	46	45	45
330	102	51	42	45	46	45	43
331	103	10	42	46	46	44	43
332	103	28	42	44	46	45	44
333	103	47	43	44	46	44	45
334	104	6	42	44	46	45	45
335	104	25	43	45	45	44	44
336	104	43	43	45	45	45	45
337	105	2	43	44	46	44	44
338	105	21	43	46	46	45	43
339	105	39	43	47	45	44	45
340	105	58	43	44	47	45	44
341	106	17	43	45	45	45	43
342	106	36	43	44	47	45	44
343	106	54	43	46	46	45	44
344	107	13	43	45	46	45	43
345	107	32	42	44	46	45	43

3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
46	46	45	45	45	45	43	41	42
44	44	45	43	45	44	42	41	41
45	46	44	45	44	44	43	42	42
44	44	45	43	45	45	43	42	42
45	45	45	45	45	44	43	41	41
44	45	45	45	45	45	43	42	41
44	44	45	44	45	44	43	41	41
45	47	44	43	45	44	43	42	42
44	44	44	44	45	44	44	42	42
44	47	45	43	44	45	43	42	42
45	46	45	43	44	45	44	41	41
44	46	45	45	44	44	44	41	42
45	47	44	45	45	45	44	42	41
44	48	45	44	44	45	43	41	42
43	45	45	44	44	45	44	42	42
45	46	45	44	44	45	44	42	42
45	46	45	43	45	45	44	41	41
45	45	45	43	45	45	44	41	42
45	45	45	43	46	44	43	42	42
46	47	44	43	45	45	43	42	41
45	45	44	44	45	45	43	42	42
44	45	44	45	44	44	43	42	42
45	45	45	45	44	44	43	42	42
46	45	45	44	45	44	43	42	41
44	46	44	43	45	45	43	42	42
45	44	44	44	45	45	43	42	42
44	47	45	44	45	44	43	42	41
44	45	45	44	44	44	44	42	42
44	45	45	44	44	44	43	42	41
46	45	44	44	45	44	44	42	41
44	45	44	44	45	45	43	42	42
44	45	44	43	45	44	44	42	42
44	46	45	45	44	45	44	42	42
44	46	45	43	45	45	43	42	41
45	46	44	43	45	45	44	42	42
46	46	45	44	45	44	44	42	42
44	46	44	45	45	44	44	42	42
45	45	44	44	45	44	43	42	42
45	45	45	45	45	44	43	42	42
44	46	44	43	45	45	43	42	42
46	46	45	45	45	44	44	42	42
47	45	44	45	45	45	44	42	41
44	47	45	44	45	45	44	42	42
45	45	45	43	45	45	43	42	42
44	47	45	44	45	44	44	42	41
46	46	45	44	45	45	44	42	42
45	46	45	43	45	45	44	42	42
44	46	45	43	45	45	43	42	41

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	CO
346	107	50	42	46	45	45	44	
347	108	9	42	48	45	45	44	
348	108	28	42	45	45	45	44	
349	108	47	43	45	47	45	44	
350	109	5	43	45	45	45	45	
351	109	24	44	46	44	44	43	
352	109	43	44	45	46	45	43	
353	110	1	43	44	45	45	43	
354	110	20	43	45	45	44	44	
355	110	39	44	44	46	45	44	
356	110	58	44	45	44	44	44	
357	111	16	44	44	45	44	44	
358	111	35	43	44	45	45	43	
359	111	54	43	45	45	44	44	
360	112	12	43	45	45	44	44	
361	112	31	43	44	46	45	44	
362	112	50	42	45	44	44	45	
363	111	49	43	44	45	45	44	
364	113	27	43	46	45	44	45	
365	113	46	43	44	45	45	43	
366	114	5	43	45	46	45	44	
367	114	23	43	47	45	44	45	
368	114	42	42	45	45	45	44	
369	115	1	43	44	45	44	44	
370	115	19	42	46	44	45	44	
371	115	38	42	46	44	45	43	
372	115	57	42	47	44	44	45	
373	116	16	43	47	44	44	46	
374	116	34	43	43	45	44	45	
375	116	53	43	45	44	44	44	
376	117	12	43	44	46	45	43	
377	117	30	42	[illegible]	44	45	44	
378	117	49	43	45	44	44	44	
379	118	8	42	44	46	45	44	
380	118	27	42	45	45	44	43	
381	118	45	42	45	45	45	44	
382	119	4	43	45	44	44	44	
383	119	23	42	45	44	44	43	
384	119	41	43	45	44	44	44	
385	120	0	43	44	44	44	44	
386	120	19	42	44	46	45	44	
387	120	38	42	45	45	45	43	
388	120	56	43	44	45	45	45	
389	121	15	42	45	44	44	45	
390	121	34	42	46	43	44	44	
391	121	52	42	43	44	45	44	
392	122	11	43	46	45	44	44	
393	122	30	43	46	46	44	44	
394	122	48	42	46	45	45	44	
395	123	7	43	44	44	45	44	

6101

3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
46	45	45	44	45	44	43	42	42
48	45	45	44	45	44	43	42	42
45	45	45	44	44	44	44	42	42
45	47	45	44	45	45	44	42	42
45	45	45	45	45	44	44	42	41
46	44	44	43	45	44	43	42	42
45	46	45	43	45	44	43	42	41
44	45	45	43	45	44	43	42	42
45	45	44	44	45	44	43	42	41
44	46	45	44	45	44	43	42	42
45	44	44	44	45	44	43	42	41
44	45	44	44	44	44	43	42	43
44	45	45	43	46	44	43	42	42
45	45	44	44	46	44	43	42	42
45	45	44	44	45	44	43	42	42
44	46	45	44	45	44	44	42	41
45	44	44	45	44	44	43	42	41
44	45	45	44	46	44	43	42	42
46	45	44	45	45	44	43	42	41
44	45	45	43	45	44	43	42	42
45	46	45	44	45	44	43	42	41
47	45	44	45	45	44	43	42	41
45	45	45	44	46	44	43	42	41
44	45	44	44	45	44	43	42	41
46	44	45	44	45	44	44	42	41
46	44	45	43	45	44	43	42	41
47	44	44	45	44	44	44	42	41
47	44	44	46	44	44	44	42	41
43	45	44	45	45	44	43	41	41
45	44	44	44	45	44	43	42	41
44	46	45	43	45	44	43	42	41
46	44	45	44	46	44	43	42	42
45	44	44	44	46	44	43	42	42
44	46	45	44	44	44	43	42	42
45	45	44	43	45	44	43	42	41
45	45	45	44	45	44	43	42	41
45	44	44	44	45	44	43	42	41
45	44	44	43	45	44	44	42	41
45	44	44	44	45	43	43	41	41
44	44	44	44	45	44	43	42	42
44	46	45	44	45	44	43	42	41
45	45	45	43	44	44	43	42	41
44	45	45	45	44	44	43	42	41
45	44	44	45	45	44	43	42	41
46	43	44	44	45	43	43	41	41
43	44	45	44	44	44	43	41	41
46	45	44	44	45	44	42	41	42
46	46	44	44	45	44	43	41	41
46	45	45	44	45	44	43	41	42
44	44	45	44	45	44	43	41	41

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
396	123	26	42	44	46	44	43
397	123	44	43	46	46	44	44
398	124	3	43	45	46	44	45
399	124	22	42	44	45	45	43
400	124	41	42	44	45	44	43
401	124	59	43	45	45	45	45
402	125	18	43	47	45	45	45
403	125	37	43	44	45	45	44
404	125	55	43	46	46	45	44
405	126	14	43	48	48	44	44
406	126	33	42	44	46	44	42
407	126	51	42	45	47	44	44
408	127	10	43	46	45	44	44
409	127	29	43	47	46	44	43
410	127	47	43	45	45	44	45
411	128	6	42	47	45	44	43
412	128	25	43	45	45	44	45
413	128	43	42	45	44	44	44
414	129	2	43	44	46	45	43
415	129	21	42	44	44	45	44
416	129	40	43	46	46	44	45
417	129	58	43	47	45	45	44
418	130	17	42	44	44	44	42
419	130	36	42	45	45	44	45
420	130	54	42	45	45	44	45
421	131	13	43	43	44	41	44
422	131	32	43	43	44	44	45
423	131	50	44	45	43	43	43
424	132	9	41	44	43	44	43
425	132	28	42	44	44	44	46
426	132	46	42	44	44	42	44
427	133	5	44	44	44	44	45
428	133	24	43	43	44	46	42
429	133	43	41	44	44	45	42
430	134	1	43	45	44	44	43
431	134	20	44	43	44	44	45
432	134	39	44	43	44	43	45
433	134	57	42	44	43	44	45
434	135	16	43	43	46	44	42
435	135	35	43	45	45	44	43
436	135	53	44	43	45	44	44
437	136	12	42	45	45	44	42
438	136	31	43	44	45	45	43
439	136	49	43	43	44	44	44
440	137	8	42	45	44	43	44
441	137	27	42	46	44	44	43
442	137	46	42	44	45	44	44
443	*	*	*	*	*	*	*

3-16 LOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
44	46	44	43	45	44	43	42	42
46	46	44	44	45	44	42	42	41
45	46	44	45	45	44	43	42	41
44	45	45	43	44	44	43	41	42
44	45	44	43	44	45	43	42	41
45	45	45	45	45	45	43	41	41
47	45	45	45	45	45	43	42	41
44	45	45	44	45	44	43	41	41
46	46	45	44	46	44	42	42	41
48	48	44	44	45	45	42	42	42
44	46	44	42	44	45	42	41	42
45	47	44	44	44	45	42	42	41
46	45	44	44	45	45	43	41	42
47	46	44	43	45	45	43	41	41
45	45	44	45	44	44	43	41	41
47	45	44	43	46	44	43	41	41
45	45	44	45	44	45	42	41	42
45	44	44	44	45	44	42	41	41
44	46	45	43	46	44	42	41	41
44	44	45	44	45	44	43	41	42
46	46	44	45	45	44	43	41	41
47	45	45	44	45	44	43	41	41
44	44	44	42	44	44	43	41	41
45	45	44	45	45	44	43	41	42
45	45	44	45	45	44	43	41	41
43	44	41	44	46	45	30	41	42
43	44	44	45	44	42	27	41	40
45	43	43	43	46	44	46	41	40
44	43	44	43	44	44	51	42	41
44	44	44	46	46	41	44	42	40
44	44	42	44	44	45	59	41	40
44	44	44	45	44	44	37	42	40
43	44	46	42	44	42	36	42	40
44	44	45	42	44	44	35	42	41
45	44	44	43	45	42	42	42	41
43	44	44	45	44	43	43	42	41
43	44	43	45	44	43	43	41	41
44	43	44	45	43	43	42	41	41
43	45	44	42	45	43	43	41	41
45	45	44	43	45	44	42	41	41
43	45	44	44	44	44	43	42	41
45	45	44	42	44	44	43	41	41
44	45	45	43	45	44	43	42	41
43	44	44	44	44	44	42	41	40
45	44	43	43	44	44	43	41	41
46	44	44	44	45	44	42	41	40
44	45	44	43	45	44	43	41	41
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
1	0	8	35	36	32	30
2	0	27	36	35	32	30
3	0	46	36	35	32	30
4	1	5	36	35	32	30
5	1	24	36	34	32	31
6	*	*	36	35	32	31
7	2	2	36	35	32	31
8	2	21	36	35	31	30
9	2	40	36	35	31	31
10	2	59	35	35	31	30
11	3	18	35	35	31	30
12	3	37	35	34	32	31
13	3	56	35	34	32	30
14	4	15	35	34	31	31
15	4	34	35	34	32	31
16	*	*	35	35	31	31
17	*	51	35	34	32	30
18	*	10	36	35	32	30
19	*	29	36	35	32	31
20	*	48	35	34	31	30
21	*	7	35	34	31	31
22	6	46	35	34	32	31
23	7	5	35	35	31	31
24	7	24	35	34	32	31
25	*	*	35	34	32	31
26	8	2	35	34	32	31
27	8	21	35	34	31	30
28	8	50	36	36	33	32
29	*	*	37	36	33	32
30	9	27	36	36	33	32
31	9	46	36	36	33	32
32	10	5	37	36	33	32
33	10	24	36	37	33	31
34	*	*	37	36	33	32
35	11	1	36	36	33	31
36	*	*	36	36	33	32
37	*	19	36	36	33	31
38	*	38	36	36	32	31
39	28	57	36	36	33	31
40	12	36	36	36	33	32
41	12	55	36	36	33	31
42	13	13	36	36	33	31
43	13	32	36	36	33	32
44	*	*	36	36	33	31
45	14	10	37	36	34	32

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
46	*	*	36	37	33	31
47	14	48	36	36	33	32
48	15	6	37	37	33	31
49	*	*	36	36	34	32
50	15	44	37	36	34	32
51	16	3	37	36	33	32
52	16	22	37	36	33	32
53	16	41	36	36	33	31
54	16	59	37	36	34	32
55	17	18	36	36	33	32
56	17	37	36	36	34	31
57	17	56	36	36	35	31
58	18	15	36	37	36	31
59	18	34	36	37	36	32
60	18	52	37	37	36	32
61	19	11	38	37	37	31
62	19	30	38	38	37	32
63	19	49	38	38	37	32
64	20	8	38	38	37	31
65	20	26	38	38	38	32
66	20	45	39	38	38	32
67	21	4	38	39	37	32
68	21	23	39	39	38	32
69	21	42	39	39	38	32
70	22	0	39	39	38	33
71	22	19	39	39	39	33
72	22	38	39	39	39	33
73	22	57	39	39	38	33
74	23	16	39	39	39	33
75	23	35	39	39	39	33
76	23	53	40	40	39	33
77	24	12	40	40	39	33
78	24	31	39	40	39	33
79	24	50	40	40	39	34
80	25	9	40	39	39	34
81	25	27	39	40	39	33
82	25	46	40	40	39	34
83	26	5	40	40	39	34
84	26	24	40	40	40	33
85	26	43	40	41	39	34
86	27	1	41	40	39	34
87	27	20	41	40	40	33
88	27	39	41	40	40	34
89	27	58	41	41	39	34
90	28	17	41	41	40	34
91	28	35	41	40	40	34
92	28	54	41	41	40	35
93	29	13	41	41	41	33
94	29	32	41	41	40	34
95	29	51	41	41	41	34

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-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
96	30	9	41	41	40	34
97	30	28	41	41	40	34
98	30	47	42	42	41	35
99	31	6	42	42	41	34
100	31	24	42	42	42	34
101	31	43	41	42	41	35
102	32	2	42	41	41	35
103	32	21	42	42	41	34
104	32	40	42	42	41	35
105	32	58	42	41	41	36
106	33	17	42	41	40	35
107	33	36	41	41	40	35
108	33	55	41	41	40	35
109	34	14	41	41	40	36
110	34	32	41	41	39	35
111	34	51	41	41	40	35
112	35	10	41	41	39	35
113	35	29	41	41	39	35
114	35	48	42	40	39	36
115	36	6	42	41	38	36
116	36	25	41	41	38	36
117	36	44	42	41	39	35
118	37	3	41	41	38	36
119	37	21	42	41	38	35
120	37	40	41	40	37	36
121	37	59	41	41	38	36
122	38	18	41	41	37	36
123	38	37	41	40	37	35
124	38	55	42	41	37	35
125	39	14	41	41	37	36
126	39	33	41	40	37	36
127	39	52	42	40	37	36
128	40	11	41	41	37	36
129	40	29	41	41	37	36
130	40	48	42	40	37	36
131	41	7	42	40	37	37
132	41	26	41	41	37	36
133	41	44	41	41	38	36
134	42	3	42	41	38	37
135	42	22	42	41	38	37
136	42	41	41	40	38	37
137	43	0	41	40	38	37
138	43	18	41	41	38	37
139	43	37	41	41	38	38
140	43	56	42	41	38	38
141	44	15	41	41	39	37
142	44	33	42	41	38	37
143	44	52	42	41	39	37
144	45	11	41	41	39	39
145	45	30	42	41	39	37

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
146	45	47	42	41	39	38
147	46	7	42	41	38	38
148	46	26	41	41	38	37
149	46	45	42	41	38	38
150	47	4	42	41	39	38
151	47	22	42	41	38	38
152	47	41	42	41	39	38
153	48	0	42	41	39	38
154	48	19	42	41	39	38
155	48	37	42	41	39	38
156	48	56	42	41	39	38
157	49	15	42	41	39	38
158	49	34	42	41	39	38
159	49	52	42	41	39	38
160	50	11	42	41	39	39
161	50	30	42	41	39	39
162	50	49	42	42	39	39
163	51	8	42	41	39	39
164	51	26	43	41	39	39
165	51	45	43	42	39	39
166	52	4	42	42	39	39
167	52	23	43	42	39	39
168	52	41	43	42	40	39
169	53	0	43	42	40	39
170	53	19	43	42	40	39
171	53	38	43	42	41	39
172	53	56	43	42	41	39
173	54	15	43	42	40	39
174	54	34	42	42	40	39
175	54	53	43	42	41	40
176	55	11	43	42	41	40
177	55	30	43	42	40	40
178	55	49	43	42	41	39
179	56	8	43	42	41	40
180	56	27	43	42	41	40
181	56	45	43	42	41	40
182	57	4	43	42	41	39
183	57	23	43	42	41	39
184	57	42	43	42	41	40
185	58	0	43	42	41	40
186	58	19	44	42	41	40
187	58	38	43	42	41	39
188	58	57	43	42	41	40
189	59	15	43	42	41	40
190	59	34	43	42	41	40
191	59	53	43	43	41	41
192	60	12	43	42	41	41
193	*	*	43	42	41	40
194	60	49	43	43	41	40
195	61	8	43	43	41	41

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
196	61	27	44	43	41	41
197	61	45	44	43	42	41
198	62	4	44	43	41	41
199	62	23	44	43	41	40
200	62	42	44	43	41	41
201	63	0	44	43	41	41
202	63	19	44	43	42	41
203	63	38	44	42	42	41
204	63	57	44	43	41	40
205	64	15	44	43	41	41
206	64	34	45	42	41	41
207	64	53	44	43	41	40
208	65	12	44	43	41	40
209	65	30	44	43	41	41
210	65	49	44	43	42	41
211	66	8	44	43	41	41
212	66	27	44	43	42	41
213	66	45	44	43	41	41
214	67	4	44	43	41	41
215	67	23	44	43	42	41
216	67	42	44	43	41	41
217	68	0	44	43	41	41
218	68	19	44	44	41	41
219	68	38	44	43	41	41
220	68	56	45	44	41	42
221	69	15	45	44	42	42
222	69	34	45	44	42	42
223	69	53	44	44	42	41
224	70	12	44	44	42	41
225	70	30	44	44	42	42
226	70	49	45	43	41	42
227	71	8	45	43	41	42
228	71	27	45	43	41	41
229	71	45	45	44	42	41
230	72	4	45	44	41	41
231	72	23	45	44	41	41
232	72	41	45	44	41	42
233	73	0	45	44	41	42
234	73	19	45	44	41	41
235	73	38	45	44	41	42
236	73	56	45	44	41	42
237	74	15	45	43	42	42
238	74	34	45	44	41	41
239	74	53	45	44	42	42
240	75	11	45	44	42	42
241	75	30	45	44	42	41
242	75	49	45	44	42	42
243	76	7	45	44	41	42
244	76	26	45	44	42	42
245	76	45	45	44	42	42

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
246	77	4	45	44	42	42
247	77	22	45	44	42	42
248	77	41	45	44	42	42
249	78	0	45	44	42	42
250	78	19	45	44	42	41
251	78	37	45	44	42	42
252	78	56	45	44	42	42
253	79	15	45	44	42	42
254	79	34	45	44	42	42
255	79	52	45	44	42	42
256	80	11	45	44	42	42
257	80	30	45	43	42	42
258	80	48	45	44	42	42
259	81	7	45	44	42	42
260	81	26	45	44	42	42
261	81	45	45	44	42	42
262	82	3	45	44	42	42
263	82	22	45	44	42	41
264	82	41	46	44	42	42
265	83	0	45	44	42	43
266	83	18	45	44	42	42
267	83	37	45	44	42	42
268	83	56	45	44	42	43
269	84	15	45	45	42	42
270	84	33	45	44	42	42
271	84	52	45	44	42	42
272	85	11	45	44	42	42
273	85	30	45	44	42	42
274	85	48	45	44	42	41
275	85	7	45	45	42	42
276	86	26	45	44	42	42
277	86	45	46	44	42	42
278	87	3	45	44	42	43
279	87	22	45	44	43	42
280	87	41	45	44	43	43
281	88	0	45	44	42	42
282	88	18	45	44	41	42
283	88	37	45	44	43	42
284	88	56	45	44	43	42
285	89	15	45	45	43	42
286	89	33	45	44	43	42
287	89	52	45	44	43	43
288	90	11	46	44	43	43
289	90	30	45	45	43	43
290	90	48	45	45	44	42
291	91	7	46	45	43	42
292	91	26	46	44	43	42
293	91	44	45	45	44	43
294	92	3	45	44	43	42
295	92	22	45	45	44	42

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
296	92	41	45	45	43	43
297	92	59	45	45	44	42
298	93	18	46	44	43	42
299	93	37	45	44	43	43
300	93	56	45	44	43	42
301	94	14	45	44	43	43
302	94	33	45	44	44	42
303	94	52	45	45	44	43
304	95	10	45	45	43	42
305	95	29	45	45	43	43
306	95	48	45	45	43	43
307	96	7	45	45	43	42
308	96	25	45	44	43	43
309	96	44	46	44	43	43
310	96	56	46	45	43	43
311	97	8	46	44	43	43
312	97	20	45	45	43	43
313	97	33	46	45	43	43
314	97	51	45	45	43	43
315	98	10	46	44	43	42
316	98	29	46	44	43	42
317	98	47	46	45	43	43
318	99	6	46	44	43	43
319	99	25	46	44	43	42
320	99	44	46	44	44	42
321	100	2	46	45	42	43
322	100	21	46	44	43	42
323	100	40	46	45	43	43
324	100	59	46	45	43	42
325	101	17	46	44	43	43
326	101	36	46	44	43	42
327	101	55	46	44	43	43
328	102	13	45	44	43	42
329	102	32	45	45	43	43
330	102	51	45	45	43	43
331	103	10	46	44	43	42
332	103	28	45	45	43	43
333	103	47	45	44	44	43
334	104	6	45	44	43	42
335	104	25	46	44	43	43
336	104	43	45	44	42	43
337	105	2	45	45	43	43
338	105	21	46	44	43	43
339	105	39	46	44	43	43
340	105	58	46	44	44	43
341	106	17	46	44	43	43
342	106	36	45	44	43	43
343	106	54	45	45	43	43
344	107	13	45	44	43	43
345	107	32	46	44	44	43

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
346	107	50	45	44	43	42
347	108	9	45	44	43	43
348	108	28	45	44	43	43
349	108	47	45	45	43	43
350	109	5	45	45	44	43
351	109	24	45	44	43	43
352	109	43	45	45	44	42
353	110	1	45	44	44	42
354	110	20	45	44	43	42
355	110	39	45	44	43	42
356	110	58	45	44	43	42
357	111	16	45	44	44	42
358	111	35	45	44	44	43
359	111	54	45	44	44	42
360	112	12	45	44	43	41
361	112	31	45	44	44	42
362	112	50	45	44	43	43
363	111	49	45	44	44	43
364	113	27	45	44	44	42
365	113	46	45	44	43	43
366	114	5	45	44	44	42
367	114	23	45	44	44	43
368	114	42	45	45	44	42
369	115	1	45	44	44	43
370	115	19	45	44	44	42
371	115	38	45	44	43	42
372	115	57	44	44	43	42
373	116	16	45	44	43	42
374	116	34	44	44	44	41
375	116	53	45	44	43	42
376	117	12	45	44	43	42
377	117	30	44	44	44	42
378	117	49	45	44	44	42
379	118	8	45	44	44	41
380	118	27	45	44	43	41
381	118	45	45	44	43	42
382	119	4	45	44	43	41
383	119	23	44	44	43	42
384	119	41	44	44	43	42
385	120	0	44	44	44	42
386	120	19	45	44	44	42
387	120	38	45	44	43	42
388	120	56	44	44	43	42
389	121	15	45	44	43	42
390	121	34	45	44	43	42
391	121	52	44	44	43	42
392	122	11	44	44	43	42
393	122	30	45	44	43	42
394	122	48	44	44	42	42
395	123	7	44	44	43	42

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
396	123	26	45	44	43	42
397	123	44	45	44	42	42
398	124	3	44	44	43	42
399	124	22	44	44	43	42
400	124	41	45	44	42	42
401	124	59	45	44	43	42
402	125	18	44	44	43	42
403	125	37	44	44	43	42
404	125	55	44	44	43	42
405	126	14	45	43	43	42
406	126	33	45	43	43	41
407	126	51	44	44	42	41
408	127	10	44	44	42	41
409	127	29	44	44	42	42
410	127	47	44	43	42	41
411	128	6	44	44	42	42
412	128	25	45	44	43	41
413	128	43	45	44	42	42
414	129	2	44	43	43	42
415	129	21	44	44	42	41
416	129	40	45	44	42	42
417	129	58	44	44	42	42
418	130	17	44	44	42	41
419	130	36	44	43	43	41
420	130	54	44	43	43	42
421	131	13	44	44	43	41
422	131	32	44	44	44	41
423	131	50	44	44	43	42
424	132	9	44	44	44	42
425	132	28	44	45	44	41
426	132	46	44	44	44	42
427	133	5	44	44	44	41
428	133	24	44	44	44	41
429	133	43	44	44	44	42
430	134	1	45	44	44	41
431	134	20	45	45	44	41
432	134	39	45	44	43	42
433	134	57	44	44	42	41
434	135	16	44	44	43	41
435	135	35	44	44	43	41
436	135	53	45	44	43	41
437	136	12	44	44	43	42
438	136	31	44	43	43	41
439	136	49	44	44	43	41
440	137	8	44	44	42	42
441	137	27	44	44	42	41
442	137	46	44	43	42	41
443	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-1 1STAG PUM OUTLE HYD TEM DEG.
1	0	10	38	37	37	37	32	32
2	0	29	37	37	37	37	32	33
3	*	*	37	37	37	37	32	32
4	1	7	38	37	37	38	32	32
5	*	*	37	37	37	37	32	32
6	*	25	37	37	37	37	32	32
7	*	44	37	37	37	38	32	32
8	*	3	37	38	36	38	32	32
9	2	42	38	37	37	38	32	32
10	*	*	37	37	37	38	33	32
11	*	*	37	37	37	37	32	32
12	3	39	37	37	37	37	32	32
13	*	*	37	37	37	37	32	32
14	4	17	37	37	37	37	32	33
15	*	*	37	37	37	37	32	32
16	4	55	37	37	36	37	32	32
17	*	*	37	37	37	37	32	32
18	5	33	37	37	37	37	32	32
19	5	52	37	37	37	38	32	32
20	*	*	38	36	35	37	32	33
21	6	29	37	37	38	38	33	33
22	6	48	36	38	38	37	33	33
23	*	*	36	38	38	38	33	32
24	*	6	37	37	36	37	32	33
25	*	25	37	37	37	38	32	33
26	*	44	37	37	37	37	33	33
27	*	3	37	37	37	37	32	33
28	8	52	38	38	38	38	36	36
29	*	*	38	38	38	38	36	35
30	9	29	38	38	38	39	36	35
31	9	48	38	38	38	39	36	36
32	*	*	38	38	38	38	36	36
33	*	6	38	38	38	39	36	36
34	*	25	38	38	38	39	35	36
35	11	4	37	38	38	38	35	35
36	*	*	38	39	39	38	35	35
37	11	41	37	38	38	38	35	35
38	*	*	38	38	39	38	35	35
39	*	50	38	38	39	39	35	35
40	*	*	38	38	38	38	35	35
41	12	57	37	38	39	38	35	35
42	13	16	39	38	39	38	35	35
43	*	*	38	38	38	38	35	35
44	13	53	37	38	38	38	35	35
45	14	12	38	38	39	38	35	35

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

4-06 -PLT OSHD IDE PER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
37	37	37	32	32	35	29	34	29
37	37	37	32	33	35	29	34	29
37	37	37	32	32	35	29	33	29
37	37	38	32	32	35	29	34	29
37	37	37	32	32	35	29	33	29
37	37	37	32	32	35	29	33	29
37	37	38	32	32	36	29	34	29
38	36	38	32	32	35	29	34	29
37	37	38	32	32	35	29	34	29
37	37	38	33	32	36	29	34	29
37	37	37	32	32	35	29	33	28
37	37	37	32	32	35	29	34	29
37	37	37	32	32	36	29	33	29
37	37	37	32	33	35	29	34	29
37	37	37	32	32	35	29	34	29
37	36	37	32	32	35	29	33	29
37	37	37	32	32	36	29	34	29
37	37	37	32	32	35	29	33	29
37	37	38	32	32	35	29	34	28
36	35	37	32	33	35	34	37	31
37	38	38	33	33	36	36	41	33
38	38	37	33	33	36	39	44	35
38	38	38	33	32	36	41	48	36
37	36	37	32	33	35	44	50	37
37	37	38	32	33	35	44	48	39
37	37	37	33	33	35	44	46	38
37	37	37	32	33	35	43	45	38
38	38	38	36	36	36	39	36	35
38	38	38	36	35	36	39	35	35
38	38	39	36	35	36	39	36	35
38	38	39	36	36	36	39	36	35
38	38	38	36	36	36	39	36	35
38	38	39	36	36	36	39	36	34
38	38	39	35	36	35	38	36	34
38	38	38	35	35	36	38	36	34
38	38	38	35	35	35	38	35	34
38	38	38	35	35	36	38	36	34
38	38	38	35	35	36	39	35	34
38	38	38	35	35	36	38	36	34
38	38	38	35	35	36	38	35	34
38	38	38	35	35	36	38	36	34
38	38	38	35	35	36	38	35	34
38	38	38	35	35	36	38	36	34
38	38	38	35	35	36	38	36	34
38	39	38	35	35	36	38	35	34

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-1 1STA PU OUTL HY TE DEG.
46	*	*	38	39	40	38	35	3
47	*	30	38	38	39	39	36	3
48	*	49	37	38	39	38	35	3
49	*	7	37	39	40	39	36	3
50	15	46	36	39	41	39	36	3
51	16	5	37	39	39	39	36	3
52	16	24	38	38	39	39	35	3
53	16	43	38	38	37	39	36	3
54	17	2	37	39	40	39	36	3
55	17	20	39	39	39	36	36	3
56	17	39	37	39	40	38	35	3
57	17	58	37	39	39	38	35	3
58	18	17	38	37	36	37	36	3
59	18	36	37	39	39	38	35	3
60	18	55	38	38	37	38	36	3
61	19	13	38	38	39	38	36	3
62	19	32	38	38	37	37	36	3
63	19	51	36	39	40	39	36	3
64	20	10	37	39	40	38	37	3
65	20	29	38	39	40	39	36	3
66	20	48	37	39	41	38	37	3
67	21	6	38	38	38	38	36	3
68	21	25	39	39	38	39	37	3
69	21	44	38	39	39	39	37	3
70	22	3	37	40	41	39	37	3
71	22	22	39	38	38	39	37	3
72	22	40	38	39	41	39	38	3
73	22	59	38	39	39	38	37	3
74	23	18	38	39	40	39	37	3
75	23	37	38	39	41	40	38	3
76	23	56	38	40	41	39	38	3
77	57	34	37	40	42	40	38	3
78	24	33	39	39	39	40	38	3
79	24	52	39	39	38	41	37	3
80	25	11	38	39	40	39	38	3
81	25	30	38	39	41	40	39	3
82	25	48	39	39	39	39	38	3
83	26	7	39	39	38	40	38	3
84	26	26	38	39	39	40	39	3
85	26	45	38	39	40	40	39	3
86	27	4	37	41	42	41	39	3
87	27	22	39	40	41	41	39	3
88	27	41	39	39	39	40	40	3
89	29	0	38	41	42	41	39	3
90	28	19	39	39	41	41	39	3
91	28	38	39	40	41	41	39	3
92	28	56	39	39	41	40	40	4
93	29	15	39	38	42	40	40	3
94	29	34	38	40	42	42	39	4
95	29	53	39	39	40	40	41	4

4-06 LT SHD IDE FER H .C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
39	40	38	35	35	36	38	37	34
38	39	39	36	35	36	39	43	34
38	39	38	35	35	36	42	48	34
39	40	39	36	36	36	45	51	34
39	41	39	36	35	36	48	54	34
39	39	39	36	35	37	51	58	35
38	39	39	35	36	36	54	60	34
38	37	39	36	35	37	56	63	35
39	40	39	36	36	36	59	66	35
39	39	36	36	36	36	61	68	34
39	40	38	35	35	36	62	71	34
39	39	38	35	36	36	65	72	34
37	36	37	36	36	36	67	74	35
39	39	38	35	36	36	69	76	35
38	37	38	36	36	37	71	78	35
38	39	38	36	36	36	68	80	44
38	37	37	36	36	36	66	78	46
39	40	39	36	36	37	67	78	49
39	40	38	37	36	36	67	78	53
39	40	39	36	36	37	67	78	56
39	41	38	37	37	36	68	78	60
38	38	38	36	37	36	67	76	62
38	38	39	37	36	37	68	78	66
39	39	39	37	36	38	68	77	68
40	41	39	37	36	38	69	77	71
38	38	39	37	37	38	69	78	72
37	41	39	38	37	38	70	78	73
39	39	38	37	37	37	71	79	75
39	40	39	37	38	38	72	80	76
39	41	40	38	37	38	71	81	77
40	41	38	38	38	38	73	81	78
40	42	40	38	38	39	74	81	79
39	38	40	38	38	38	74	81	80
39	38	41	37	37	39	75	82	80
39	40	39	38	38	38	75	83	82
39	41	40	39	38	39	76	84	82
39	39	39	38	38	39	76	84	84
39	38	40	38	38	39	78	85	84
39	39	40	39	38	39	78	86	85
39	40	40	39	39	40	78	86	86
41	42	41	39	39	39	79	87	87
40	41	41	39	39	40	80	87	88
39	39	40	40	38	39	81	88	88
41	42	41	39	38	40	82	89	89
39	41	41	39	39	40	81	90	90
40	41	41	39	39	40	82	90	89
39	41	40	40	40	41	83	91	91
38	42	40	40	39	40	83	91	92
40	42	42	39	41	42	84	91	93
39	40	40	41	45	40	85	92	92

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET 4YD. TEMP DEG.C
96	30	12	39	40	41	42	44
97	30	30	40	38	38	40	45
98	30	49	39	40	42	41	48
99	31	8	39	40	42	41	50
100	31	27	39	41	43	41	52
101	31	46	40	40	40	42	53
102	32	4	39	40	42	41	54
103	32	23	39	41	43	41	55
104	32	42	39	41	42	42	57
105	33	1	39	40	40	41	59
106	33	19	40	39	41	41	60
107	33	38	39	40	38	41	61
108	33	57	41	40	42	41	62
109	34	16	40	39	40	41	63
110	34	35	41	39	42	40	63
111	34	53	41	40	42	40	64
112	35	12	41	41	42	41	66
113	35	31	41	41	41	41	66
114	35	50	40	41	41	42	68
115	36	9	40	40	42	40	68
116	36	27	39	41	38	42	69
117	36	46	39	42	39	43	71
118	37	5	41	41	42	43	71
119	37	24	39	42	39	42	71
120	37	43	40	41	39	40	72
121	38	1	41	39	42	40	72
122	38	20	42	40	42	43	73
123	38	39	41	39	43	44	74
124	38	58	41	39	42	42	73
125	39	16	41	40	41	41	75
126	39	35	40	42	39	42	75
127	39	54	39	42	38	41	75
128	40	13	39	41	40	41	75
129	40	32	39	42	38	40	76
130	40	50	40	41	41	43	76
131	41	9	40	42	39	41	77
132	41	28	40	41	41	43	77
133	41	47	41	39	43	42	77
134	42	5	41	40	42	41	77
135	42	24	41	40	41	40	77
136	42	43	41	41	43	43	78
137	43	2	39	41	39	39	77
138	43	21	41	40	43	42	78
139	43	39	40	42	39	40	78
140	43	58	41	40	44	42	79
141	44	17	41	40	43	41	78
142	44	36	41	41	42	40	78
143	44	54	40	41	40	40	79
144	45	13	40	41	40	41	79
145	45	32	41	43	41	41	78

06	4-07	4-08	4-09	4-10	4-11	4-12	4-14	4-15
LT	CENTER	CENTER	1STAGE	1STAGE	1STAGE	2STAGE	2STAGE	2STAGE
HD	PANEL	PANEL	PUMP	PUMP	AFT	PUMP	AFT	AFCS 1
DE	WNDSHD	WNDSHD	INLET	OUTLET	SERVO	INLET	SERVO	(COLL.
ER	INSIDE	INSIDE	HYD.	HYD.	HYD IN	HYD.	HYD IN	/YAW
H	LWR C	UPR C	TEMP	TEMP	TEMP	TEMP	TEMP	CHAN)
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
40	41	42	44	46	41	85	93	93
38	38	40	45	49	41	85	93	93
0	42	41	48	52	41	86	90	95
0	42	41	50	53	41	87	93	94
1	43	41	52	55	42	86	94	94
40	40	42	53	56	42	86	95	95
0	42	41	54	61	41	86	93	95
1	43	41	55	64	42	86	92	95
1	42	42	57	66	44	86	92	94
0	40	41	59	68	44	86	92	95
9	41	41	60	70	45	88	92	95
0	38	41	61	71	47	86	93	95
0	42	41	62	72	48	87	92	95
39	40	41	63	74	48	87	92	95
39	42	40	63	76	48	87	92	94
0	42	40	64	78	48	88	92	95
1	42	41	66	78	50	88	92	95
1	41	41	66	79	51	88	93	95
1	41	42	68	81	51	89	93	95
0	42	40	68	80	52	89	93	96
1	38	42	69	81	54	89	93	96
2	39	43	71	82	54	90	94	96
1	42	43	71	83	54	89	94	96
2	39	42	71	84	55	90	94	96
1	39	40	72	85	56	89	94	97
9	42	40	72	85	56	91	95	97
0	42	43	73	86	57	91	95	98
9	43	44	74	86	58	91	95	98
9	42	42	73	87	58	91	96	97
0	41	41	75	86	59	92	96	98
2	39	42	75	88	59	92	96	99
2	38	41	75	88	61	92	96	99
1	40	41	75	89	60	93	97	100
2	38	40	76	88	61	92	96	99
1	41	43	76	88	61	93	97	98
2	39	41	77	89	62	93	97	99
1	41	43	77	89	62	93	97	99
39	43	42	77	89	62	93	97	99
0	42	41	77	89	62	93	97	100
0	41	40	77	89	62	93	96	100
1	43	43	78	89	62	94	97	100
1	39	39	77	90	62	94	96	100
0	43	42	78	89	61	94	97	101
2	39	40	78	91	62	93	96	100
0	44	42	79	90	63	94	97	100
0	43	41	78	91	63	94	98	100
1	42	40	78	91	62	95	97	100
1	40	40	79	91	63	95	97	101
1	40	41	79	91	63	96	97	101
3	41	41	78	91	63	95	98	101

2

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
146	45	51	41	41	43	41	79
147	46	10	41	42	40	40	78
148	46	28	41	42	41	43	79
149	46	47	40	41	42	41	79
150	47	6	42	42	43	42	79
151	47	25	40	41	42	39	79
152	47	43	41	43	40	41	79
153	48	2	43	41	44	43	79
154	48	21	41	41	42	40	79
155	48	40	41	43	41	41	79
156	48	58	41	43	41	42	80
157	49	17	43	42	43	44	80
158	49	36	41	43	41	42	80
159	49	55	42	41	45	44	80
160	50	14	43	41	44	42	80
161	50	32	43	41	44	41	80
162	50	51	43	41	41	43	80
163	51	10	42	41	41	42	81
164	51	29	41	41	41	41	81
165	51	47	42	41	43	42	80
166	52	6	41	41	43	41	80
167	52	25	41	41	43	41	80
168	52	44	41	41	41	41	80
169	53	2	42	41	43	41	80
170	53	21	43	44	42	44	80
171	53	40	43	42	41	42	80
172	53	59	43	43	43	44	79
173	54	17	42	42	45	42	80
174	54	36	41	41	43	41	80
175	54	55	42	41	44	41	80
176	55	14	41	43	44	41	80
177	55	33	42	43	45	41	80
178	55	51	42	44	44	44	80
179	56	10	43	42	42	44	81
180	56	29	44	43	43	43	80
181	56	48	43	41	44	42	80
182	57	6	44	41	45	43	81
183	57	25	42	44	45	44	81
184	57	44	44	41	45	42	80
185	58	3	42	44	42	45	81
186	58	21	43	42	42	43	81
187	58	40	44	41	44	42	81
188	58	59	44	42	45	42	80
189	59	18	42	43	46	44	81
190	59	36	44	43	46	43	80
191	59	55	43	44	43	45	81
192	60	14	43	43	41	44	81
193	*	33	43	43	42	42	81
194	60	51	42	43	42	44	81
195	61	10	44	44	43	45	81

4-06 PLT SHD SIDE PPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN DEG.C
41	43	41	79	92	63	96	98	101
42	40	40	78	92	62	95	98	101
42	41	43	79	91	63	96	98	101
41	42	41	79	91	63	95	98	101
42	43	42	79	92	63	95	98	102
41	42	39	79	91	63	95	99	102
43	40	41	79	92	62	96	98	101
41	44	43	79	92	64	96	99	102
41	42	40	79	92	63	95	98	101
43	41	41	79	92	63	96	99	102
43	41	42	80	92	63	96	98	102
42	43	44	80	92	62	96	98	102
43	41	42	80	92	64	96	99	102
41	45	44	80	92	64	95	99	102
41	44	42	80	93	64	96	100	103
41	44	41	80	93	64	96	100	102
41	41	43	80	93	65	96	100	102
41	41	42	81	93	65	96	100	102
41	41	41	81	93	65	96	100	102
41	43	42	80	93	65	97	99	102
41	43	41	80	93	64	96	99	102
41	43	41	80	92	64	96	99	102
41	41	41	80	93	64	97	99	102
41	43	41	80	92	63	96	100	102
44	42	44	80	92	63	96	99	102
42	41	42	80	92	63	96	99	102
43	43	44	79	92	63	96	99	102
42	45	42	80	92	63	97	100	102
41	43	41	80	92	64	97	100	103
41	44	41	80	92	63	97	101	102
43	44	41	80	92	64	96	100	103
43	45	41	80	92	64	96	100	102
40	44	44	80	93	64	97	101	103
42	42	44	81	92	64	98	100	103
43	43	43	80	93	64	97	100	102
41	44	42	80	92	63	96	100	103
41	45	43	81	93	65	98	101	103
44	45	44	81	93	65	98	101	103
41	45	42	80	93	65	97	101	103
44	42	45	81	93	65	98	100	103
42	42	43	81	93	65	98	101	103
41	44	42	81	93	65	98	101	104
42	45	42	80	93	65	98	100	103
43	46	44	81	93	64	98	100	105
43	46	43	80	93	64	98	101	103
44	43	45	81	93	65	98	101	104
43	41	44	81	94	64	98	100	104
43	42	42	81	94	64	98	101	104
43	42	44	81	94	64	99	101	104
44	43	45	81	94	65	99	101	105

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1 0
196	61	29	43	43	47	43	81	
197	61	48	44	44	44	45	81	
198	62	6	43	42	45	42	81	
199	62	25	45	44	46	45	80	
200	62	44	43	42	45	43	81	
201	63	3	45	44	44	44	81	
202	63	21	42	42	45	45	81	
203	63	40	45	42	46	45	81	
204	63	59	43	44	42	42	81	
205	64	18	44	44	44	45	81	
206	64	36	43	43	44	44	82	
207	64	55	44	44	46	42	81	
208	65	14	45	43	47	44	82	
209	65	33	45	43	45	45	82	
210	65	51	44	42	46	45	82	
211	66	10	44	43	44	44	82	
212	66	29	43	44	45	43	82	
213	66	48	44	44	44	45	81	
214	67	6	44	42	43	45	81	
215	67	25	44	44	46	44	82	
216	67	44	44	44	42	45	82	
217	68	3	45	45	44	45	82	
218	68	21	44	45	44	45	82	
219	68	40	45	45	44	45	82	
220	68	59	44	44	44	45	82	
221	69	18	45	42	45	43	82	
222	69	36	44	44	44	46	82	
223	69	55	44	45	47	42	82	
224	70	14	44	45	47	44	82	
225	70	33	45	44	43	46	82	
226	70	51	43	44	45	43	82	
227	71	10	44	44	47	43	83	
228	71	29	43	44	45	44	83	
229	71	47	43	45	43	43	83	
230	72	6	44	43	45	43	83	
231	72	25	43	44	44	46	83	
232	72	44	43	46	45	45	83	
233	73	2	45	44	45	46	84	
234	73	21	44	45	46	46	84	
235	73	40	45	45	43	44	84	
236	73	59	43	45	44	44	85	
237	74	17	43	44	46	47	85	
238	74	36	45	45	46	45	85	
239	74	55	45	43	47	47	85	
240	75	14	44	43	46	47	85	
241	75	32	44	43	45	44	85	
242	75	51	43	44	43	47	86	
243	76	10	43	45	45	45	86	
244	76	28	44	44	44	48	85	
245	76	47	44	45	43	44	85	

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4-06 PLT SHD IDE PER R H G.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
43	47	43	81	93	64	99	101	105
44	44	45	81	94	64	99	101	104
42	45	42	81	94	65	99	101	105
44	46	45	80	93	64	98	101	105
42	45	43	81	93	64	98	101	104
44	44	44	81	93	64	99	101	104
42	45	45	81	93	64	98	102	104
42	46	45	81	93	65	99	101	105
44	42	42	81	94	65	99	102	105
44	44	45	81	94	65	99	101	106
43	44	44	82	94	66	99	102	105
44	46	42	81	94	65	100	102	106
43	47	44	82	94	65	99	102	106
43	45	45	82	95	65	99	102	105
42	46	45	82	94	65	99	101	105
43	44	44	82	94	66	100	102	106
44	45	43	82	95	66	100	102	106
44	44	45	81	95	66	100	103	105
42	43	45	81	95	66	99	103	106
44	46	44	82	95	66	99	103	106
44	42	45	82	95	66	99	102	105
45	44	45	82	95	66	99	103	106
45	44	45	82	96	66	100	103	106
45	44	45	82	95	66	101	102	106
44	44	45	82	95	66	100	102	106
42	45	43	82	96	66	100	102	106
44	44	46	82	94	66	100	103	106
45	47	42	82	95	66	99	102	106
45	47	44	82	96	66	100	103	106
44	43	46	82	96	66	101	103	107
44	45	43	82	96	67	101	103	107
44	47	43	83	96	67	101	103	107
44	45	44	83	97	67	101	103	108
45	43	43	83	97	68	101	103	108
43	46	43	83	96	67	102	103	108
44	44	46	83	97	67	102	104	108
46	45	45	83	97	67	102	105	108
44	45	46	84	97	68	101	104	108
46	46	46	84	96	68	101	104	107
45	43	44	84	96	68	101	104	107
45	44	44	85	97	68	101	105	108
44	46	47	85	98	68	102	105	108
45	46	45	85	97	68	102	104	108
43	47	47	85	97	68	101	105	108
43	46	47	85	98	68	101	105	107
43	45	44	85	99	67	102	105	108
44	43	47	86	98	68	102	106	108
45	45	45	86	99	69	103	107	109
44	44	48	85	99	70	102	105	108
45	43	44	85	98	69	102	105	108

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
246	77	6	43	46	43	45	86
247	77	25	43	44	43	45	85
248	77	43	43	43	43	45	86
249	78	2	44	45	44	44	86
250	78	21	45	43	43	47	86
251	78	40	45	45	44	43	86
252	78	58	45	45	43	44	86
253	79	17	44	45	44	46	86
254	79	36	43	44	46	45	86
255	79	55	44	45	47	46	86
256	80	13	45	45	46	47	86
257	80	32	43	43	46	45	86
258	80	51	44	45	47	46	87
259	81	9	44	46	46	45	88
260	81	28	44	44	46	44	88
261	81	47	45	43	48	45	87
262	82	6	45	46	48	46	87
263	82	24	45	45	44	47	88
264	82	43	43	45	44	44	88
265	83	2	45	45	46	47	89
266	83	21	44	45	45	45	89
267	83	39	45	44	47	47	89
268	83	58	44	46	44	44	88
269	84	17	44	44	45	44	88
270	84	36	44	45	45	46	88
271	84	54	43	45	46	46	87
272	85	13	43	46	46	45	88
273	85	32	44	45	45	48	88
274	85	51	45	44	44	44	88
275	86	9	44	45	46	44	88
276	86	28	44	45	45	46	88
277	86	47	44	45	46	46	88
278	87	6	44	46	44	44	87
279	87	24	46	45	46	48	87
280	87	43	44	46	46	44	87
281	88	2	43	44	48	47	87
282	88	21	44	44	46	45	86
283	88	39	46	45	45	44	86
284	88	58	45	45	46	45	86
285	89	17	45	45	45	43	86
286	89	36	44	46	44	44	86
287	89	54	45	44	46	45	85
288	90	13	44	44	48	47	86
289	90	32	44	46	44	44	85
290	90	51	44	46	45	44	85
291	91	9	44	44	47	46	85
292	91	28	44	44	48	46	85
293	91	47	43	44	48	47	84
294	92	5	45	45	44	44	84
295	92	24	44	44	47	46	84

-06 PLT SHD IDE PER R H G.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
46	43	45	86	98	69	102	104	108
44	43	45	85	98	68	101	105	108
43	43	45	86	99	69	101	104	108
45	44	44	86	100	68	102	104	109
43	43	47	86	99	70	102	105	108
45	44	43	86	99	70	102	105	107
45	43	44	86	98	69	101	105	108
45	44	46	86	99	69	102	105	108
44	46	45	85	99	70	102	104	107
45	47	46	86	99	70	102	104	108
45	46	47	86	98	70	101	105	107
43	46	45	86	99	70	102	105	108
45	47	46	87	99	70	102	105	107
46	46	45	88	100	71	102	106	108
44	46	44	88	100	71	103	107	108
43	48	45	87	100	71	102	105	108
46	48	46	87	100	71	103	106	108
45	44	47	88	100	71	102	105	109
45	44	44	88	101	72	102	105	109
45	46	47	89	101	71	103	106	109
45	45	45	89	101	72	103	106	109
44	47	47	89	102	72	103	106	109
46	44	44	88	102	72	102	105	109
44	45	44	88	101	72	102	105	109
45	45	46	88	101	72	102	107	109
45	46	46	87	100	70	102	105	108
46	46	45	88	102	70	103	105	109
45	45	48	88	102	70	103	105	109
44	44	44	88	102	71	103	105	109
45	46	44	88	102	72	103	107	109
45	45	46	88	101	72	103	106	109
45	46	46	88	100	71	103	105	109
46	44	44	87	101	71	103	105	109
45	46	48	87	100	71	103	105	110
46	46	44	87	100	69	103	105	109
44	48	47	87	100	69	103	106	109
44	46	45	86	99	68	103	105	109
45	45	44	86	99	68	103	105	109
45	46	45	86	99	68	103	105	110
45	45	43	86	99	69	104	105	110
46	44	44	86	99	68	104	105	110
44	46	45	85	99	68	103	105	110
44	48	47	86	96	67	103	105	110
46	44	44	85	98	68	104	106	110
46	45	44	85	99	68	104	106	110
44	47	46	85	98	67	103	106	110
44	48	46	85	98	67	103	105	109
44	48	47	84	98	68	104	105	109
45	44	44	84	97	67	103	105	109
44	47	46	84	97	67	104	105	109

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4 1ST P OUT H T DE
296	92	43	45	44	46	45	84	
297	93	2	44	46	45	45	84	
298	93	20	46	45	44	43	84	
299	93	39	44	46	44	43	83	
300	93	58	45	44	46	44	83	
301	94	17	46	46	48	46	83	
302	94	35	45	45	44	45	85	
303	94	54	44	45	47	46	85	
304	95	13	44	46	44	45	86	
305	95	31	45	44	48	45	86	
306	95	50	45	44	47	45	87	
307	96	9	45	45	48	48	87	
308	96	28	45	45	46	44	88	1
309	96	46	46	46	46	46	88	1
310	96	58	43	45	44	47	86	
311	97	11	46	44	45	44	87	
312	97	23	45	44	45	44	86	
313	97	35	44	46	44	44	86	
314	97	54	44	44	45	46	86	
315	98	12	45	45	44	46	86	
316	98	31	45	44	48	48	86	
317	98	50	44	44	45	45	86	
318	99	8	44	44	48	48	86	
319	99	27	46	44	47	44	86	
320	99	46	44	45	48	48	87	1
321	100	5	45	46	44	48	87	
322	100	23	44	45	46	45	87	
323	100	42	45	46	47	46	87	
324	101	1	45	46	44	45	87	1
325	101	20	45	45	45	48	87	1
326	101	38	45	44	48	45	87	
327	101	57	44	45	48	47	87	1
328	102	16	45	46	44	45	88	1
329	102	34	45	45	48	48	88	1
330	102	53	45	44	46	44	87	1
331	103	12	44	44	46	44	88	1
332	103	31	46	46	47	47	87	1
333	103	49	45	47	44	44	88	1
334	104	8	47	45	45	45	87	1
335	104	27	44	45	48	45	87	1
336	104	45	45	45	48	46	88	1
337	105	4	46	44	44	46	88	1
338	105	23	45	44	48	45	88	1
339	105	42	45	46	48	44	88	1
340	106	0	45	44	48	48	89	1
341	106	19	44	44	48	47	88	1
342	106	38	44	45	47	47	88	1
343	106	57	43	45	45	45	87	1
344	107	15	45	44	48	48	88	1
345	107	34	44	45	48	44	87	1

-06 PLT SHD IDE PER R H G.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
44	46	45	84	97	67	104	106	110
46	45	45	84	97	66	104	106	109
45	44	43	84	96	66	104	106	110
46	44	43	83	96	66	104	105	109
44	46	44	83	97	66	104	105	110
46	48	46	83	96	66	101	106	109
45	44	45	85	97	67	103	105	109
45	47	46	85	97	67	103	106	109
46	44	45	86	98	67	103	106	110
44	48	45	86	98	69	103	107	109
44	47	45	87	99	69	104	107	110
45	48	48	87	99	70	104	107	110
45	46	44	88	100	71	103	107	110
46	46	46	88	100	71	103	107	109
45	44	47	86	99	71	103	107	109
44	45	44	87	99	70	104	108	109
44	45	44	86	99	70	102	106	109
46	44	44	86	98	69	103	106	109
44	45	46	86	99	69	103	107	109
45	44	46	86	98	69	102	106	109
44	48	48	86	99	69	103	106	109
44	45	45	86	97	69	103	107	109
44	48	48	86	99	69	102	106	109
44	47	44	86	98	69	103	107	108
45	48	48	87	100	69	102	106	109
46	44	48	87	99	69	104	106	109
45	46	45	87	99	70	103	107	108
46	47	46	87	99	70	103	107	109
46	44	45	87	100	70	103	106	109
45	45	48	87	100	70	104	106	109
44	48	45	87	99	70	103	107	110
45	48	47	87	100	69	103	106	109
46	44	45	88	100	70	104	107	110
45	48	48	88	100	71	104	106	109
44	46	44	87	101	72	104	107	110
44	46	44	88	100	70	103	106	110
46	47	47	87	100	70	103	106	109
47	44	44	88	101	70	105	106	110
45	45	45	87	100	71	104	106	110
45	48	45	87	101	70	103	106	109
45	48	46	88	101	70	103	105	110
44	44	46	88	100	71	105	108	110
44	48	45	88	101	70	104	107	110
46	48	44	88	100	69	103	106	110
44	48	48	89	100	71	104	106	110
44	48	47	88	100	69	104	106	109
45	47	47	86	100	69	104	105	109
45	45	45	87	100	69	103	106	109
44	48	48	88	100	69	103	106	110
45	48	44	87	100	70	103	106	109

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
346	107	53	45	46	48	44	88
347	108	11	46	46	48	48	88
348	108	30	44	46	47	48	87
349	108	49	44	46	45	45	87
350	109	8	46	46	44	44	87
351	109	26	44	46	44	45	87
352	109	45	45	44	44	45	86
353	110	4	46	44	45	44	86
354	110	22	45	44	45	44	86
355	110	41	44	45	47	47	86
356	111	0	44	46	45	45	86
357	111	18	45	44	48	47	86
358	111	37	44	45	46	46	85
359	111	56	45	44	47	44	85
360	112	15	44	45	48	44	84
361	112	33	44	44	44	44	84
362	112	52	45	43	45	43	84
363	113	11	44	46	44	46	84
364	113	29	43	45	45	47	85
365	113	48	44	45	45	46	84
366	114	7	44	44	48	45	83
367	114	26	43	45	46	46	84
368	114	44	45	44	45	46	83
369	115	3	43	46	46	45	83
370	115	22	45	44	45	45	83
371	115	40	45	44	44	46	82
372	115	59	45	43	46	43	82
373	116	18	45	44	44	45	82
374	116	37	45	43	44	46	81
375	116	55	44	45	46	45	81
376	117	14	45	44	44	45	82
377	117	33	44	44	44	45	81
378	117	51	44	45	45	45	82
379	118	10	44	44	45	44	81
380	118	29	43	45	44	43	82
381	118	48	45	43	48	46	82
382	119	6	44	45	46	46	81
383	119	25	43	45	44	43	81
384	119	44	44	44	45	42	81
385	120	2	44	45	44	44	81
386	120	21	44	45	45	47	81
387	120	40	44	43	47	45	81
388	120	58	43	46	44	44	80
389	121	17	46	45	49	45	81
390	121	36	45	44	46	46	81
391	121	55	42	44	44	46	81
392	122	13	42	44	43	48	82
393	122	32	44	45	44	47	82
394	122	51	44	45	48	44	83
395	123	9	44	46	47	45	83

4-06 -PLT DSHD SIDE PPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
46	48	44	88	99	69	105	108	110
46	48	48	88	101	69	103	106	109
46	47	48	87	100	69	105	107	109
46	45	45	87	100	69	104	106	110
46	44	44	87	99	69	105	106	110
46	44	45	87	99	67	104	106	110
44	44	45	86	99	68	104	105	110
44	45	44	86	99	68	104	105	110
44	45	44	86	98	67	104	105	110
45	47	47	86	98	66	104	106	110
46	45	45	86	99	66	104	105	110
44	48	47	86	98	66	103	105	110
45	46	46	85	98	66	103	104	109
44	47	44	85	98	65	104	106	110
45	48	44	84	97	64	104	106	109
44	44	44	84	98	65	103	106	110
43	45	43	84	97	65	105	106	109
46	44	46	84	97	65	103	105	110
45	45	47	85	96	66	103	105	109
45	45	46	84	97	65	103	105	110
44	48	45	83	97	64	104	106	110
45	46	46	84	96	65	103	105	110
44	45	46	83	97	64	103	105	110
46	46	45	83	97	65	103	104	109
44	45	45	83	96	65	103	105	110
44	44	46	82	96	65	103	105	110
43	46	43	82	96	65	103	105	109
44	44	45	82	96	64	103	105	109
43	44	46	81	96	64	103	104	109
45	46	45	81	96	65	103	105	109
44	44	45	82	95	65	103	105	109
44	44	45	81	95	64	104	105	109
45	45	45	82	96	64	103	104	109
44	45	44	81	95	65	103	105	109
45	44	43	82	94	64	103	104	109
43	49	46	82	95	64	103	104	109
45	46	46	81	94	63	102	105	109
45	44	43	81	94	64	102	104	109
44	45	42	81	95	63	102	103	109
45	44	44	81	94	63	103	104	109
45	46	47	81	93	64	103	104	109
43	47	45	81	93	64	102	103	109
46	44	44	80	93	63	102	104	108
45	49	45	81	93	62	103	104	109
44	46	46	81	92	62	101	104	108
44	44	46	81	93	64	101	104	108
44	43	48	82	93	64	102	104	108
45	44	47	82	94	65	102	105	108
45	48	44	83	96	66	102	105	108
46	47	45	83	96	66	102	104	108

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
396	123	28	45	46	45	46	84
397	123	47	45	46	47	45	85
398	124	5	43	44	44	46	85
399	124	24	44	46	47	46	85
400	124	43	45	45	46	44	86
401	125	1	44	46	45	47	86
402	125	20	44	45	45	47	86
403	125	39	42	44	44	48	87
404	125	58	43	44	44	45	87
405	126	16	44	44	46	44	88
406	126	35	43	45	45	44	88
407	126	54	43	44	44	46	87
408	127	12	43	44	46	43	88
409	127	31	44	46	44	48	87
410	127	50	44	45	44	47	87
411	128	8	44	44	44	45	88
412	128	27	44	45	44	47	88
413	128	46	42	47	47	45	87
414	129	4	44	44	43	44	87
415	129	23	43	45	44	45	86
416	129	42	44	44	47	47	85
417	130	0	44	45	44	43	85
418	130	19	43	45	43	43	85
419	130	38	42	43	46	46	85
420	130	57	42	43	45	45	84
421	131	15	44	45	45	44	83
422	131	34	43	44	45	44	83
423	131	53	44	43	45	44	82
424	132	11	42	43	46	42	83
425	132	30	43	46	44	42	82
426	132	49	42	44	47	46	82
427	133	7	42	45	44	42	82
428	133	26	42	44	48	44	82
429	133	45	42	44	47	42	82
430	134	4	44	44	47	45	83
431	134	22	44	44	48	46	83
432	134	41	43	44	45	45	84
433	135	0	42	43	45	44	84
434	135	18	44	44	47	43	84
435	135	37	41	45	44	45	85
436	135	56	43	44	43	44	85
437	136	14	42	45	47	45	86
438	136	33	42	45	46	45	85
439	136	52	43	44	43	44	85
440	137	10	43	43	43	44	86
441	137	29	43	44	45	44	86
442	137	48	42	44	44	44	85
443	*	*	*	*	*	*	*

-06 PLT SI IDE PER R H G.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
46	45	46	84	97	67	102	105	109
46	47	45	85	97	67	103	106	108
44	44	46	85	97	68	102	106	109
46	47	46	85	99	69	103	106	109
45	46	44	86	98	68	103	106	108
46	45	47	86	98	69	102	105	108
45	45	47	86	98	70	102	105	108
44	44	48	87	99	70	101	105	108
44	44	45	87	100	69	103	106	109
44	46	44	88	101	70	102	105	108
45	45	44	88	100	69	102	105	109
44	44	46	87	100	69	102	105	108
44	46	43	88	101	70	102	104	109
46	44	48	87	100	70	101	104	108
45	44	47	87	101	70	102	104	108
44	44	45	88	100	70	101	103	108
45	44	47	88	101	69	101	104	108
47	47	45	87	101	69	101	103	108
44	43	44	87	100	70	101	105	107
45	44	45	86	100	69	100	103	107
44	47	47	85	99	69	99	102	107
45	44	43	85	99	69	100	101	107
45	43	43	85	98	67	101	101	107
43	46	46	85	99	67	100	102	107
43	45	45	84	97	66	101	103	106
45	45	44	83	97	66	101	102	106
44	45	44	83	96	65	101	102	106
43	45	44	82	96	65	99	102	106
43	46	42	83	96	65	101	104	106
46	44	42	82	95	65	100	103	106
44	47	46	82	95	65	101	103	105
45	44	42	82	94	64	100	103	105
44	48	44	82	95	64	98	102	105
44	47	42	82	95	64	99	102	105
44	47	45	83	95	65	100	103	105
44	48	46	83	96	66	101	103	105
44	45	45	84	96	66	101	103	106
43	45	44	84	96	66	101	103	106
44	47	43	84	97	67	101	105	107
45	44	45	85	97	67	102	105	107
44	43	44	85	96	68	101	105	108
45	47	45	86	93	68	102	106	108
45	46	45	85	93	68	103	106	109
44	43	44	85	93	67	103	107	110
43	43	44	86	93	68	103	108	111
44	45	44	86	92	68	104	109	112
44	44	44	85	92	68	105	109	110
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	R R
1	0	10	29	32	31	29	36	
2	0	29	29	32	31	28	36	
3	*	*	29	32	32	29	37	
4	1	7	29	32	32	28	36	
5	*	*	29	32	31	29	36	
6	*	25	29	32	32	29	36	
7	*	44	29	32	31	29	36	
8	*	3	29	33	31	28	36	
9	2	42	29	33	31	29	36	
10	*	*	29	32	31	29	36	
11	*	*	29	33	32	28	36	
12	3	39	29	32	31	28	36	
13	*	*	29	32	31	28	36	
14	4	17	29	32	31	29	36	
15	*	*	29	33	32	29	36	
16	4	55	29	32	31	29	36	
17	*	*	29	32	32	29	36	
18	5	33	29	32	32	28	36	
19	5	52	29	32	32	28	36	
20	*	*	32	30	34	29	36	
21	6	29	35	31	35	29	36	
22	6	48	37	31	36	29	37	
23	*	*	38	31	37	29	36	
24	*	6	41	33	39	29	37	
25	*	25	40	33	38	29	36	
26	*	44	39	33	37	29	36	
27	*	3	38	32	36	29	36	
28	8	52	36	37	37	33	38	
29	*	*	35	38	37	33	38	
30	9	29	35	37	38	33	37	
31	9	48	36	38	37	33	37	
32	*	*	36	38	37	33	38	
33	*	6	35	37	37	33	38	
34	*	25	36	38	37	33	37	
35	11	4	35	37	37	32	37	
36	*	*	35	37	38	33	37	
37	11	41	35	38	37	33	37	
38	*	*	35	37	37	32	37	
39	*	59	35	37	37	33	37	
40	*	*	35	37	37	33	37	
41	12	57	35	37	37	33	37	
42	13	16	35	37	37	33	37	
43	*	*	35	37	37	33	37	
44	13	53	35	37	37	33	37	
45	14	12	35	37	37	33	37	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
32	31	29	36	35	30	31	29	29
32	31	28	36	36	30	31	29	29
32	32	29	37	35	31	31	29	28
32	32	28	36	36	30	31	29	29
32	31	29	36	35	30	31	29	29
32	32	29	36	35	31	31	29	29
32	31	29	36	35	31	31	29	28
33	31	28	36	36	30	31	29	29
33	31	29	36	35	31	31	29	28
32	31	29	36	35	31	31	29	29
33	32	28	36	35	30	31	29	28
32	31	28	36	35	31	31	29	29
32	31	28	36	36	31	31	28	29
32	31	29	36	35	30	31	29	28
33	32	29	36	35	31	31	29	28
32	31	29	36	35	31	31	29	28
32	32	29	36	36	30	31	29	29
32	32	28	36	36	30	31	29	29
32	32	28	36	36	30	31	29	29
30	34	29	36	36	30	31	34	31
31	35	29	36	36	30	31	40	34
31	36	29	37	35	31	31	44	34
31	37	29	36	37	30	32	47	36
33	39	29	37	36	31	31	51	36
33	38	29	36	36	31	32	49	38
33	37	29	36	36	31	32	48	37
32	36	29	36	35	31	31	47	36
37	37	33	38	37	38	37	38	38
38	37	33	38	37	38	37	38	38
37	38	33	37	36	38	37	38	38
38	37	33	37	37	38	37	38	38
38	37	33	38	36	38	37	38	38
37	37	33	38	37	38	38	38	38
38	37	33	37	37	38	37	38	37
37	37	32	37	36	37	37	38	37
37	38	33	37	37	38	37	38	37
38	37	33	37	36	38	37	37	37
37	37	32	37	37	37	37	37	37
37	37	33	37	37	37	37	38	37
37	37	33	37	36	38	37	37	37
37	37	33	37	37	37	37	38	37
37	37	33	37	36	38	37	37	37
37	37	33	37	36	37	37	37	37
37	37	33	37	37	38	37	37	37

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
46	*	*	36	36	38	33	37
47	*	30	35	34	40	33	37
48	*	49	36	36	41	34	38
49	*	7	36	36	42	33	37
50	15	46	36	37	43	33	38
51	16	5	36	38	44	33	38
52	16	24	37	38	45	33	38
53	16	43	36	39	45	34	38
54	17	2	37	40	48	34	38
55	17	20	38	40	48	34	38
56	17	39	37	41	49	34	37
57	17	58	39	42	48	33	37
58	18	17	38	42	49	34	37
59	18	36	39	42	50	34	37
60	18	55	40	43	52	34	38
61	19	13	49	44	52	34	38
62	19	32	52	44	52	34	37
63	19	51	55	45	54	34	37
64	20	10	59	45	54	35	38
65	20	29	61	46	55	34	39
66	20	48	65	46	55	35	38
67	21	6	64	47	55	35	37
68	21	25	67	47	56	35	39
69	21	44	70	48	56	36	38
70	22	3	72	48	57	36	39
71	22	22	72	48	57	36	38
72	22	40	74	48	58	37	39
73	22	59	75	49	59	37	38
74	23	18	75	49	58	37	38
75	23	37	76	49	59	37	39
76	23	56	78	49	59	38	39
77	57	34	78	50	59	37	39
78	24	33	79	49	57	38	38
79	24	52	79	54	58	39	39
80	25	11	80	55	59	38	39
81	25	30	81	56	61	39	39
82	25	48	81	56	62	40	38
83	26	7	83	55	62	39	38
84	26	26	84	59	64	41	38
85	26	45	83	61	64	41	39
86	27	4	85	61	65	40	39
87	27	22	85	61	66	41	39
88	27	41	86	60	66	41	39
89	28	0	86	59	67	42	40
90	28	19	86	59	68	42	38
91	28	38	88	58	68	42	39
92	28	56	89	58	67	43	39
93	29	15	88	61	66	44	39
94	29	34	89	64	67	43	39
95	29	53	90	64	68	44	40

-17 IL. UMP LET YD. EMP G.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
36	38	33	37	37	37	36	38	38
34	40	33	37	37	37	38	42	38
36	41	34	38	38	37	37	47	39
36	42	33	37	37	39	38	50	41
37	43	33	38	37	38	38	54	41
38	44	33	38	38	38	38	56	42
38	45	33	38	38	38	38	58	43
39	45	34	38	38	38	38	60	43
40	48	34	38	38	38	38	62	43
40	48	34	38	39	38	38	62	44
41	49	34	37	38	39	39	63	45
42	48	33	37	39	38	39	64	45
42	49	34	37	39	38	39	65	45
42	50	34	37	39	38	39	66	45
43	52	34	38	39	39	39	66	46
44	52	34	38	39	39	40	67	46
44	52	34	37	40	40	40	68	46
45	54	34	37	41	40	41	68	47
45	54	35	38	41	39	41	69	47
46	55	34	38	41	40	42	69	47
46	55	35	38	41	41	42	69	47
47	55	35	37	42	40	43	71	48
47	56	35	39	42	41	43	70	48
48	56	36	38	42	41	44	71	48
48	57	36	39	42	41	44	71	48
48	57	36	38	42	42	44	72	49
48	58	37	39	42	42	45	72	49
49	58	37	38	43	43	45	73	49
49	58	37	38	43	43	46	73	49
49	59	37	39	44	44	46	73	50
49	59	38	39	44	44	46	74	51
50	59	37	39	44	44	46	74	51
49	57	38	38	43	48	51	76	60
54	58	39	39	44	49	48	80	65
55	59	38	39	44	46	49	76	56
56	61	39	39	43	48	50	75	53
56	62	40	38	44	48	49	76	52
55	62	39	38	44	53	55	82	64
59	64	41	38	43	55	53	86	69
61	64	41	39	44	51	52	82	61
61	65	40	39	44	51	52	81	56
61	66	41	39	45	51	52	81	54
60	66	41	39	44	51	52	81	54
59	67	42	40	44	51	53	81	54
59	68	42	38	44	51	53	81	54
58	68	42	39	44	51	54	82	54
58	67	43	39	45	55	60	86	62
61	66	44	39	46	58	58	91	73
64	67	43	39	45	54	56	88	65
64	69	44	40	45	54	57	85	60

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4 ROT RUD UT IN T DE
96	30	12	91	63	70	44	39	
97	30	30	91	63	71	44	39	
98	30	49	91	62	72	47	41	
99	31	8	91	61	72	48	41	
100	31	27	91	61	72	47	39	
101	31	46	92	61	71	48	39	
102	32	4	91	61	72	48	40	
103	32	23	92	61	71	46	41	
104	32	42	91	61	71	48	41	
105	33	1	91	60	72	48	40	
106	33	19	91	60	71	49	40	
107	33	38	93	59	71	50	41	
108	33	57	92	61	67	50	40	
109	34	16	92	65	70	49	41	
110	34	35	92	66	71	50	41	
111	34	53	93	65	72	50	41	
112	35	12	92	65	73	51	41	
113	35	31	92	64	73	51	41	
114	35	50	93	64	73	53	42	
115	36	9	93	64	73	53	42	
116	36	27	94	63	73	52	41	
117	36	46	92	62	73	53	43	
118	37	5	93	63	73	53	42	
119	37	24	95	63	73	54	43	
120	37	43	94	62	73	54	42	
121	38	1	95	62	72	55	43	
122	38	20	95	63	73	55	43	
123	38	39	96	63	73	55	43	
124	38	58	95	63	72	55	43	
125	39	16	96	63	73	56	44	
126	39	35	96	63	73	56	45	
127	39	54	97	63	74	57	45	
128	40	13	96	63	73	58	45	
129	40	32	96	63	74	57	45	
130	40	50	96	64	73	59	45	
131	41	9	96	63	74	57	44	
132	41	28	97	63	73	59	45	
133	41	47	97	63	74	58	45	
134	42	5	97	63	73	59	44	
135	42	24	98	63	73	59	45	
136	42	43	98	63	74	60	46	
137	43	2	98	63	74	60	45	
138	43	21	98	62	73	60	45	
139	43	39	99	63	73	61	45	
140	43	58	100	63	73	61	46	
141	44	17	99	63	74	61	45	
142	44	36	99	64	73	61	46	
143	44	54	99	64	74	61	45	
144	45	13	99	63	73	62	46	
145	45	32	99	63	73	61	46	

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
63	70	44	39	45	55	57	84	58
62	71	44	39	45	55	57	85	59
62	72	47	41	45	55	58	85	58
61	72	48	41	46	55	57	85	58
61	72	47	39	44	55	57	84	58
61	71	48	39	44	55	58	84	58
61	72	48	40	45	55	59	85	58
61	71	46	41	45	55	58	85	56
61	71	48	41	45	56	59	84	56
60	72	48	40	46	55	59	85	56
60	71	49	40	45	56	59	85	57
59	71	50	41	44	58	59	85	57
61	67	50	40	44	60	65	95	75
65	70	49	41	44	59	62	92	72
66	71	50	41	45	59	62	88	64
65	72	50	41	45	59	62	86	61
65	73	51	41	45	59	62	86	61
64	73	51	41	44	59	63	86	60
64	73	53	42	45	59	63	87	61
64	73	53	42	45	59	63	86	60
63	73	52	41	45	59	62	88	61
62	73	53	43	45	59	63	86	61
63	73	53	42	45	60	62	86	61
63	73	54	43	45	61	64	86	61
62	73	54	42	45	59	64	86	62
62	72	55	43	46	61	64	86	62
63	73	55	43	45	61	64	86	62
63	73	55	43	45	62	64	86	62
63	72	55	43	46	61	64	86	62
63	73	56	44	46	62	64	86	63
63	73	56	45	46	62	65	86	63
63	74	57	45	47	62	65	87	64
63	73	58	45	47	62	65	86	63
63	74	57	45	46	62	65	86	62
64	73	59	45	46	63	64	86	62
63	74	57	44	47	63	65	85	61
63	73	59	45	45	63	65	86	62
63	74	58	45	45	62	64	86	62
63	73	59	44	45	62	65	86	62
63	73	59	45	46	64	65	86	63
63	74	60	46	46	63	64	87	62
63	74	60	45	46	64	64	86	62
62	73	60	45	46	63	65	87	62
63	73	61	45	46	64	65	86	63
63	73	61	46	46	63	64	86	62
63	74	61	45	47	63	65	86	62
64	73	61	46	47	63	65	86	63
64	74	61	45	46	63	65	86	63
63	73	62	46	48	64	65	86	63
63	73	61	46	48	63	64	86	63

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16, 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	RC RU
146	45	51	99	64	74	62	47	
147	46	10	99	63	73	62	46	
148	46	28	100	64	74	62	46	
149	46	47	100	64	74	62	47	
150	47	6	100	64	74	62	47	
151	47	25	99	63	73	63	46	
152	47	43	100	63	73	63	46	
153	48	2	100	64	74	63	47	
154	48	21	100	64	73	63	46	
155	48	40	99	64	74	63	47	
156	48	58	101	64	74	63	47	
157	49	17	101	64	74	63	48	
158	49	36	101	64	74	63	48	
159	49	55	100	64	75	64	47	
160	50	14	100	64	74	64	48	
161	50	32	101	65	75	64	47	
162	50	51	100	65	75	65	48	
163	51	10	101	65	75	65	48	
164	51	29	101	65	75	65	48	
165	51	47	101	64	75	65	48	
166	52	6	101	65	75	65	48	
167	52	25	101	64	75	65	48	
168	52	44	101	64	75	66	48	
169	53	2	100	64	74	65	48	
170	53	21	100	65	75	65	48	
171	53	40	99	65	75	65	48	
172	53	59	100	65	75	66	48	
173	54	17	101	64	75	66	49	
174	54	36	100	65	74	66	48	
175	54	55	102	64	75	66	49	
176	55	14	101	64	75	66	48	
177	55	33	100	65	75	66	49	
178	55	51	101	64	75	66	49	
179	56	10	101	64	75	66	49	
180	56	29	101	65	75	66	49	
181	56	48	101	65	75	66	49	
182	57	6	101	65	74	66	49	
183	57	25	102	65	75	66	49	
184	57	44	102	65	75	66	49	
185	58	3	102	65	75	66	48	
186	58	21	101	65	75	66	49	
187	58	40	102	65	75	67	49	
188	58	59	102	64	75	67	49	
189	59	18	102	64	75	67	50	
190	59	36	102	65	75	66	49	
191	59	55	102	65	75	66	49	
192	60	14	102	65	76	67	49	
193	*	33	103	65	75	67	49	
194	60	51	103	65	75	68	50	
195	61	10	103	65	75	67	49	

4-17 IL. UMP LET YD. EMP G.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
64	74	62	47	48	64	65	86	62
63	73	62	46	47	63	65	86	62
64	74	62	46	46	63	64	86	63
64	74	62	47	47	63	64	86	63
64	74	62	47	46	64	64	86	63
63	73	63	46	48	64	65	86	63
63	73	63	46	47	63	65	86	63
64	74	63	47	47	63	65	86	62
64	73	63	46	48	63	64	86	62
64	74	63	47	48	63	65	86	63
64	74	63	47	47	64	64	86	63
64	74	63	48	48	64	64	87	63
64	74	63	48	48	64	64	87	64
64	75	64	47	48	64	65	87	65
64	74	64	48	48	64	65	87	66
65	75	64	47	48	64	65	87	66
65	75	65	48	49	64	65	87	65
65	75	65	48	49	64	65	87	65
65	75	65	48	49	64	65	87	64
64	75	65	48	49	65	65	87	64
65	75	65	48	49	64	65	87	64
64	75	65	48	50	65	66	87	64
64	75	66	48	49	65	65	87	64
64	74	65	48	49	64	65	87	64
65	75	65	48	49	64	65	87	64
65	75	65	48	49	64	65	86	63
65	75	66	48	48	65	65	88	64
64	75	66	49	49	65	66	88	63
65	74	66	48	49	65	65	88	64
64	75	66	49	49	65	65	87	64
64	75	66	48	49	65	65	88	65
65	75	66	49	49	65	66	87	65
64	75	66	49	49	65	65	87	65
64	75	66	49	50	64	65	87	64
65	75	66	49	50	65	65	88	64
65	75	66	49	50	65	66	88	64
65	74	66	49	49	65	65	88	64
65	75	66	49	49	65	65	88	64
65	75	66	49	49	64	66	87	64
65	75	66	48	49	65	66	86	64
65	75	66	49	49	65	65	87	63
65	75	67	49	49	65	65	86	64
64	75	67	49	50	65	66	87	64
64	75	67	50	49	65	65	88	64
65	75	66	49	49	65	65	88	64
65	75	66	49	50	65	66	88	64
65	76	67	49	49	64	65	88	64
65	75	67	49	49	65	65	88	64
65	75	68	50	50	65	65	88	65
65	75	67	49	50	65	65	88	64

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
196	61	29	103	65	75	68	49
197	61	48	103	65	75	66	49
198	62	6	103	65	75	67	50
199	62	25	103	65	75	66	49
200	62	44	103	65	75	67	50
201	63	3	103	65	75	67	50
202	63	21	102	65	76	67	50
203	63	40	103	65	76	68	50
204	63	59	102	65	76	67	50
205	64	18	103	65	75	68	50
206	64	36	103	65	75	68	49
207	64	55	103	65	75	68	49
208	65	14	103	65	76	68	49
209	65	33	103	65	76	68	50
210	65	51	103	65	76	69	49
211	66	10	104	66	76	68	49
212	66	29	103	65	76	68	51
213	66	48	103	65	76	68	50
214	67	6	103	65	76	69	49
215	67	25	104	65	76	69	51
216	67	44	103	65	77	69	50
217	68	3	102	66	76	69	50
218	68	21	103	66	76	69	51
219	68	40	104	66	76	69	50
220	68	59	104	66	76	69	51
221	69	18	104	66	76	69	51
222	69	36	104	66	77	69	51
223	69	55	104	66	77	69	51
224	70	14	103	66	78	70	50
225	70	33	105	66	77	70	51
226	70	51	104	66	78	70	51
227	71	10	104	66	78	70	51
228	71	29	105	66	78	70	51
229	71	47	105	66	78	71	51
230	72	6	105	67	77	70	52
231	72	25	105	66	78	71	51
232	72	44	105	67	78	71	51
233	73	2	106	66	78	71	51
234	73	21	105	66	78	71	51
235	73	40	103	67	78	72	51
236	73	59	105	67	78	71	51
237	74	17	105	68	78	72	51
238	74	36	105	68	78	72	51
239	74	55	105	67	78	71	52
240	75	14	105	68	78	71	51
241	75	32	105	68	78	72	51
242	75	51	105	68	79	72	51
243	76	10	105	68	79	72	53
244	76	28	105	68	79	72	52
245	76	47	105	68	78	72	52

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4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
65	75	68	49	49	64	65	88	64
65	75	66	49	50	65	66	88	64
65	75	67	50	49	65	65	88	65
65	75	66	49	50	65	66	88	64
65	75	67	50	50	65	66	88	64
65	75	67	50	50	65	66	88	65
65	75	67	50	50	65	65	88	64
65	76	68	50	50	65	65	88	65
65	76	67	50	50	65	65	89	65
65	75	68	50	50	64	66	89	65
65	75	68	49	50	65	66	88	65
65	75	68	49	50	65	66	89	64
65	76	68	49	50	65	65	88	64
65	76	68	50	49	65	66	88	65
65	76	69	49	49	65	66	88	65
66	76	68	49	50	65	66	88	66
65	76	68	51	51	65	66	88	64
65	76	68	50	50	65	66	88	65
65	76	69	49	51	65	66	89	65
65	76	69	51	51	65	66	89	67
65	77	69	50	51	65	66	89	67
66	76	69	50	52	66	67	89	67
66	76	69	51	52	66	66	88	65
66	76	69	50	52	66	67	88	65
66	76	69	51	51	66	66	88	65
66	76	69	51	52	66	66	89	64
66	77	69	51	51	66	66	89	65
66	77	69	51	51	66	66	89	66
66	78	70	50	52	66	66	89	67
66	77	70	51	52	67	67	90	67
66	78	70	51	52	66	67	90	66
66	78	70	51	52	66	67	90	67
66	78	70	51	52	67	68	91	67
66	78	71	51	53	67	68	90	67
67	77	70	52	52	67	67	89	68
66	78	71	51	53	68	68	91	67
67	78	71	51	54	68	68	91	67
66	78	71	51	53	67	68	90	67
66	78	71	51	53	67	68	90	66
67	78	72	51	53	68	68	90	69
67	78	71	51	53	68	69	90	69
68	78	72	51	52	68	69	90	68
68	78	72	51	53	68	69	89	68
67	78	71	52	53	68	69	90	66
68	78	71	51	54	68	69	89	68
68	78	72	51	54	68	70	90	68
68	79	72	51	54	69	69	90	69
68	79	72	53	54	69	70	91	69
68	79	72	52	54	69	69	91	68
68	78	72	52	54	68	70	91	66

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
246	77	6	106	68	79	72	51
247	77	25	106	68	78	72	51
248	77	43	106	68	79	72	51
249	78	2	106	68	79	72	52
250	78	21	104	68	79	73	52
251	78	40	105	68	78	72	51
252	78	58	106	68	80	72	52
253	79	17	106	69	79	73	52
254	79	36	105	68	79	73	51
255	79	55	105	68	79	73	52
256	80	13	105	69	79	73	52
257	80	32	105	68	79	73	52
258	80	51	105	69	79	72	52
259	81	9	105	68	79	73	52
260	81	28	106	69	79	73	52
261	81	47	105	69	80	73	52
262	82	6	107	69	79	73	51
263	82	24	106	69	80	74	52
264	82	43	106	69	80	73	51
265	83	2	107	69	80	74	52
266	83	21	106	69	79	74	52
267	83	39	106	69	80	74	52
268	83	58	106	69	81	74	53
269	84	17	106	69	80	74	52
270	84	36	107	69	80	74	52
271	84	54	107	69	80	73	52
272	85	13	107	69	79	74	52
273	85	32	106	69	80	74	52
274	85	51	107	69	81	75	52
275	86	9	107	69	80	75	52
276	86	28	107	70	80	74	52
277	86	47	107	69	81	74	52
278	87	6	107	69	80	74	51
279	87	24	107	69	80	75	51
280	87	43	107	69	80	74	52
281	88	2	107	68	80	74	51
282	88	21	107	68	79	74	51
283	88	39	108	68	79	74	51
284	88	58	108	67	79	75	51
285	89	17	108	68	78	74	51
286	89	36	108	68	79	73	51
287	89	54	108	68	79	74	51
288	90	13	107	67	79	73	51
289	90	32	108	68	78	74	52
290	90	51	108	68	79	73	51
291	91	9	108	67	79	73	50
292	91	28	108	67	79	73	50
293	91	47	107	67	78	73	50
294	92	5	108	66	78	73	51
295	92	24	107	67	78	73	51

-17 IL. UMP LET YD. EMP G.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
68	79	72	51	53	68	69	91	66
68	78	72	51	52	68	69	91	66
68	79	72	51	52	69	70	91	69
68	79	72	52	52	69	69	92	70
68	79	73	52	52	69	70	92	68
68	78	72	51	52	69	70	91	66
68	80	72	52	52	68	70	91	68
69	79	73	52	52	69	70	92	69
68	79	73	51	52	68	70	91	69
68	79	73	52	52	68	70	92	68
69	79	73	52	53	69	70	91	69
68	79	73	52	53	68	70	91	69
69	79	72	52	53	69	70	91	69
68	79	73	52	53	69	70	91	70
69	79	73	52	54	69	71	92	70
69	80	73	52	53	69	71	91	68
69	79	73	51	53	69	70	92	66
69	80	74	52	53	69	71	92	69
69	80	73	51	54	69	71	92	70
69	80	74	52	53	69	71	92	71
69	79	74	52	53	69	71	92	70
69	80	74	52	54	69	72	92	71
69	81	74	53	53	70	72	92	69
69	80	74	52	54	70	71	91	68
69	80	74	52	53	70	71	92	68
69	80	73	52	54	69	71	91	69
69	79	74	52	54	70	71	92	70
69	80	74	52	54	70	71	92	69
69	81	75	52	54	70	72	92	70
69	80	75	52	54	70	71	92	70
70	80	74	52	54	69	71	92	68
69	81	74	52	54	70	71	92	67
69	80	74	51	53	69	71	92	67
69	80	75	51	54	70	71	92	66
69	80	74	52	54	70	71	92	66
68	80	74	51	53	69	70	92	66
68	79	74	51	53	69	70	92	66
68	79	74	51	52	69	70	92	66
67	79	75	51	52	69	71	92	66
68	78	74	51	53	68	70	92	66
68	79	73	51	52	69	70	92	66
68	79	74	51	52	69	70	92	67
67	79	73	51	52	69	70	91	66
68	78	74	52	52	69	69	92	65
68	79	73	51	51	69	70	91	66
67	79	73	50	51	69	69	91	65
67	79	73	50	52	68	69	91	65
67	78	73	50	51	68	69	91	64
66	78	73	51	51	68	69	91	65
67	78	73	51	51	68	69	92	65

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
296	92	43	108	67	77	73	50
297	93	2	107	66	78	73	50
298	93	20	107	66	78	73	50
299	93	39	108	66	78	73	51
300	93	58	107	66	78	72	51
301	94	17	107	66	78	72	51
302	94	35	107	67	78	73	51
303	94	54	107	66	78	73	51
304	95	13	108	67	78	73	51
305	95	31	107	68	78	73	51
306	95	50	107	67	78	74	51
307	96	9	108	68	78	73	51
308	96	28	108	68	79	74	52
309	96	46	106	69	79	74	52
310	96	58	107	69	79	74	52
311	97	11	106	69	78	74	52
312	97	23	106	68	79	74	51
313	97	35	106	68	79	73	51
314	97	54	107	68	79	74	52
315	98	12	106	68	79	73	51
316	98	31	107	68	78	74	51
317	98	50	106	68	79	74	52
318	99	8	106	68	79	75	52
319	99	27	106	68	79	75	52
320	99	46	106	68	79	74	52
321	100	5	106	69	79	74	52
322	100	23	105	69	79	75	52
323	100	42	106	69	79	75	52
324	101	1	106	69	80	75	52
325	101	20	107	68	80	75	52
326	101	38	108	68	80	75	52
327	101	57	108	69	80	75	51
328	102	16	107	68	80	75	52
329	102	34	107	69	80	75	52
330	102	53	108	69	79	75	52
331	103	12	108	69	80	75	52
332	103	31	108	69	80	75	52
333	103	49	108	69	80	75	52
334	104	8	107	69	80	76	52
335	104	27	107	69	80	75	52
336	104	45	107	69	80	75	51
337	105	4	107	69	80	75	53
338	105	23	107	69	80	76	52
339	105	42	107	69	80	75	52
340	106	0	107	69	81	76	52
341	106	19	108	69	80	75	53
342	106	38	108	68	79	75	51
343	106	57	108	69	79	75	51
344	107	15	108	68	80	76	51
345	107	34	106	68	81	76	52

4-17 IL. UMP LET YD. MP .C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
67	77	73	50	51	68	69	91	65
66	78	73	50	51	68	69	91	65
66	78	73	50	52	68	68	91	66
66	78	73	51	51	68	68	91	65
65	78	72	51	51	68	68	91	64
66	78	72	51	51	68	68	91	67
67	78	73	51	51	68	69	91	69
66	78	73	51	51	68	69	91	69
67	78	73	51	51	68	69	91	68
68	78	73	51	51	68	69	91	69
67	78	74	51	52	69	69	92	69
68	78	73	51	51	69	70	91	70
68	79	74	52	52	69	70	92	70
69	79	74	52	52	69	70	91	69
69	79	74	52	52	68	70	91	67
69	78	74	52	52	69	70	91	66
68	79	74	51	53	69	70	91	67
68	79	73	51	53	70	71	91	67
68	79	74	52	53	69	71	91	68
68	79	73	51	53	69	71	92	68
68	78	74	51	52	69	70	92	68
68	79	74	52	54	69	70	92	68
68	79	75	52	53	70	71	92	70
68	79	75	52	53	69	70	92	68
68	79	74	52	52	69	71	92	69
69	79	74	52	53	70	70	92	69
69	79	75	52	54	69	71	92	68
69	79	75	52	53	69	70	92	68
69	80	75	52	53	70	70	91	69
68	80	75	52	54	69	71	92	68
68	80	75	52	54	70	71	92	68
69	80	75	51	52	70	70	91	68
68	80	75	52	53	69	71	92	70
69	80	75	52	54	70	71	92	69
69	79	75	52	53	70	71	92	67
69	80	75	52	54	70	71	92	68
69	80	75	52	54	70	71	92	70
69	80	75	52	53	70	71	92	70
69	80	76	52	54	70	71	92	68
69	80	75	52	52	70	70	92	68
69	80	75	51	54	70	71	92	69
69	80	75	53	54	70	71	92	70
69	80	76	52	52	70	71	92	68
69	80	75	52	53	70	71	92	68
69	81	76	52	54	70	71	92	69
69	80	75	53	53	70	70	91	68
68	79	75	51	53	69	70	92	66
69	79	75	51	53	69	71	93	66
68	80	76	51	52	71	71	92	68
68	81	76	52	53	70	70	92	68

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	R R
346	107	53	107	68	80	75	51	
347	108	11	108	68	80	76	52	
348	108	30	106	68	80	76	51	
349	108	49	106	68	79	76	51	
350	109	8	107	68	79	75	52	
351	109	26	108	68	79	75	51	
352	109	45	108	68	79	76	50	
353	110	4	108	68	78	75	51	
354	110	22	107	67	78	75	51	
355	110	41	108	67	79	75	50	
356	111	0	107	67	79	74	50	
357	111	18	108	66	78	75	50	
358	111	37	108	66	78	74	50	
359	111	56	108	66	78	74	49	
360	112	15	108	66	78	73	50	
361	112	33	107	66	77	73	49	
362	112	52	109	66	78	74	49	
363	113	11	107	66	77	73	50	
364	113	29	107	66	77	73	49	
365	113	48	107	65	77	74	48	
366	114	7	109	65	78	73	49	
367	114	26	107	66	76	73	49	
368	114	44	107	65	77	73	49	
369	115	3	107	65	76	72	49	
370	115	22	107	66	77	73	49	
371	115	40	107	65	76	73	49	
372	115	59	106	65	76	73	49	
373	116	18	107	65	76	72	49	
374	116	37	107	65	76	73	49	
375	116	55	107	65	76	73	49	
376	117	14	107	65	76	72	49	
377	117	33	107	65	76	72	50	
378	117	51	107	65	75	72	48	
379	118	10	107	65	75	72	50	
380	118	29	107	65	75	72	49	
381	118	48	106	64	76	71	49	
382	119	6	106	64	75	72	49	
383	119	25	106	64	76	71	49	
384	119	44	105	65	75	71	49	
385	120	2	105	64	75	72	49	
386	120	21	106	64	75	71	49	
387	120	40	106	64	75	71	49	
388	120	58	106	64	76	71	49	
389	121	17	106	65	75	71	49	
390	121	36	106	64	75	71	49	
391	121	55	105	64	75	71	49	
392	122	13	105	65	76	72	49	
393	122	32	105	65	75	71	49	
394	122	51	105	65	76	72	49	
395	123	9	106	65	76	72	50	

4-17 IL. UMP LET YD. EMP G.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
68	80	75	51	52	70	71	92	68
68	80	76	52	52	70	71	92	69
68	80	76	51	53	70	71	92	68
68	79	76	51	52	70	70	91	66
68	79	75	52	52	70	71	92	65
68	79	75	51	52	69	70	91	65
68	79	76	50	51	70	70	91	64
68	79	75	51	50	69	69	91	64
67	78	75	51	51	69	70	91	65
67	79	75	50	51	69	69	91	66
67	79	74	50	51	69	69	91	64
66	78	75	50	51	68	68	91	64
66	78	74	50	51	68	69	91	65
66	78	74	49	51	68	69	91	64
66	78	73	50	49	68	69	90	64
66	77	73	49	49	68	68	91	64
66	78	74	49	50	68	68	90	64
66	77	73	50	50	68	68	91	63
66	77	73	49	50	67	68	90	64
65	77	74	48	50	67	68	91	63
65	78	73	49	50	68	68	89	64
66	76	73	49	50	68	67	89	64
65	77	73	49	49	67	68	89	65
65	76	72	49	49	67	67	90	63
66	77	73	49	49	67	67	89	65
65	76	73	49	49	67	66	90	64
65	76	73	49	49	66	66	90	64
65	76	72	49	49	66	67	91	63
65	76	73	49	50	67	66	89	64
65	76	73	49	50	66	66	89	64
65	76	72	49	49	66	66	89	64
65	76	72	50	50	66	66	89	64
65	75	72	48	49	67	66	88	64
65	75	72	50	49	66	66	88	63
65	75	72	49	50	66	65	89	62
64	76	71	49	51	65	66	88	63
64	75	72	49	49	66	65	88	63
64	75	71	49	50	66	65	89	63
65	75	71	49	49	66	66	88	64
64	75	72	49	49	65	66	89	63
64	75	71	49	49	65	66	88	63
64	75	71	49	49	66	65	88	63
64	76	71	49	49	65	65	89	64
65	75	71	49	49	66	65	88	64
64	75	71	49	49	65	65	88	65
64	75	71	49	50	65	66	88	65
65	76	72	49	51	66	66	89	66
65	75	71	49	50	65	67	89	66
65	75	72	49	51	66	66	89	68
65	76	72	50	51	66	67	89	66

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP OEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	R R
396	123	28	106	65	76	73	51	
397	123	47	105	66	79	72	50	
398	124	5	105	66	76	72	50	
399	124	24	105	67	77	72	50	
400	124	43	106	67	77	72	51	
401	125	1	105	67	77	73	50	
402	125	20	105	66	77	73	49	
403	125	39	105	67	78	73	50	
404	125	58	106	67	77	73	50	
405	126	16	106	68	78	74	52	
406	126	35	105	67	78	73	50	
407	126	54	105	67	77	73	51	
408	127	12	105	67	78	73	52	
409	127	31	105	67	78	74	51	
410	127	50	106	67	78	74	51	
411	128	8	104	67	77	74	51	
412	128	27	105	66	77	75	51	
413	128	46	105	66	78	75	51	
414	129	4	104	66	77	75	51	
415	129	23	103	66	78	75	51	
416	129	42	103	66	77	75	52	
417	130	0	102	66	77	75	50	
418	130	19	104	65	76	75	49	
419	130	38	103	65	77	75	50	
420	130	57	102	65	76	75	49	
421	131	15	103	65	75	75	49	
422	131	34	103	64	75	74	49	
423	131	53	103	64	76	73	48	
424	132	11	103	64	76	75	48	
425	132	30	103	64	76	73	49	
426	132	49	104	65	75	73	48	
427	133	7	102	64	75	73	49	
428	133	26	104	64	76	73	48	
429	133	45	105	64	76	74	48	
430	134	4	103	64	75	73	48	
431	134	22	103	65	75	73	48	
432	134	41	103	62	72	74	49	
433	135	0	104	63	72	74	49	
434	135	18	104	64	73	74	49	
435	135	37	105	64	73	73	48	
436	135	56	104	64	74	74	49	
437	136	14	105	65	74	74	49	
438	136	33	106	65	74	74	49	
439	136	52	107	65	75	75	51	
440	137	10	108	64	75	74	50	
441	137	29	109	66	76	76	51	
442	137	48	105	65	75	75	51	
443	*	*	*	*	*	*	*	

4-17 IL. MP ET D. MP .C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
65	76	73	51	51	66	67	89	66
66	78	72	50	52	66	67	89	68
66	76	72	50	53	66	68	89	67
67	77	72	50	54	65	67	89	68
67	77	72	51	53	66	68	90	67
67	77	73	50	53	66	68	90	67
66	77	73	49	53	66	68	89	67
67	78	73	50	54	65	68	91	68
67	77	73	50	53	66	70	91	68
68	78	74	52	53	66	69	90	68
67	78	73	50	54	66	69	90	67
67	77	73	51	52	66	68	90	67
67	78	73	52	54	66	69	90	67
67	78	74	51	54	65	68	89	67
67	78	74	51	53	66	69	89	67
67	77	74	51	54	66	69	90	66
66	77	75	51	54	65	68	90	66
66	78	75	51	54	65	68	89	66
66	77	75	51	54	64	69	90	66
66	78	75	51	53	64	68	90	64
66	77	75	52	54	65	68	89	64
66	77	75	50	52	64	68	91	63
65	76	75	49	51	64	68	89	63
65	77	75	50	51	65	68	89	63
65	76	75	49	51	65	67	90	63
65	76	75	49	51	65	67	89	62
64	75	74	49	49	64	67	89	62
64	76	73	48	49	64	66	89	64
64	76	75	48	49	64	67	89	65
64	76	73	49	49	65	67	89	63
65	75	73	48	49	64	67	88	62
64	75	73	49	49	65	66	88	62
64	76	73	48	48	64	66	88	64
64	76	74	48	49	65	67	88	65
64	75	73	48	48	65	67	88	66
65	75	73	48	50	65	67	88	66
62	73	74	49	50	65	67	87	66
63	72	74	49	50	66	68	88	65
64	73	74	49	50	66	68	87	66
64	73	73	48	51	66	68	88	66
64	74	74	49	50	66	68	87	66
65	74	74	49	51	66	66	88	64
65	74	74	49	51	66	66	88	65
65	75	75	51	52	66	67	88	66
64	75	74	50	51	65	66	88	66
63	76	76	51	52	65	67	90	67
65	75	75	51	52	65	66	86	68
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C
1	0	13	27	29	30	34	31
2	0	32	27	29	30	34	30
3	*	*	28	29	30	34	30
4	1	10	27	29	30	34	31
5	*	*	27	29	30	34	30
6	1	48	27	29	30	34	30
7	2	7	27	29	31	34	31
8	*	*	27	29	30	34	30
9	*	*	27	29	30	34	30
10	3	3	27	29	31	34	31
11	*	*	27	29	30	34	31
12	*	*	27	29	31	34	30
13	*	*	27	29	30	34	31
14	*	*	27	29	30	34	30
15	*	*	27	29	30	34	30
16	*	*	27	29	31	34	30
17	*	*	27	29	30	34	31
18	*	*	27	29	30	34	31
19	*	*	27	30	31	34	31
20	6	13	28	29	30	34	30
21	6	32	28	29	30	34	31
22	6	51	27	29	30	34	31
23	*	*	27	30	31	35	30
24	*	*	27	29	30	35	31
25	7	47	27	29	31	34	31
26	8	6	28	29	31	34	31
27	*	*	27	29	30	34	31
28	8	54	29	31	32	36	33
29	*	*	29	31	33	35	33
30	9	32	29	31	32	36	32
31	9	51	29	32	32	36	33
32	*	*	29	31	33	35	33
33	*	*	29	31	32	35	32
34	*	*	28	31	32	35	33
35	11	6	29	31	32	35	32
36	*	*	29	31	32	35	32
37	*	*	28	31	32	35	32
38	12	2	29	31	32	35	32
39	12	21	28	31	32	35	32
40	12	40	29	31	32	35	32
41	12	59	29	31	32	35	32
42	*	*	28	31	32	35	33
43	13	37	28	31	32	35	32
44	13	56	29	31	32	35	32
45	*	*	29	31	32	35	33

Speedflex ® Moore Business Forms, Inc. • Pat'd

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-06	5-08	5-09	5-10	5-11	5-12	5-13	5-14	5-15
.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2	ACCESS
OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL	GEAR
ER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER	BOX
ET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET	OIL
IL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL	TEMP
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
9	30	34	31	35	32	30	36	31
9	30	34	30	34	32	29	36	31
9	30	34	30	35	32	30	36	31
9	30	34	31	34	32	30	36	31
9	30	34	30	34	32	30	36	31
29	30	34	30	35	32	29	36	31
29	31	34	31	34	32	30	37	31
29	30	34	30	35	32	30	36	31
29	30	34	30	35	32	29	36	31
29	31	34	31	35	33	30	36	31
29	30	34	31	35	32	29	36	31
29	31	34	30	35	32	30	36	31
29	30	34	31	35	32	29	36	31
29	30	34	30	34	32	30	36	31
29	30	34	30	34	32	29	36	31
29	31	34	30	35	32	29	36	31
9	30	34	31	35	32	29	36	31
9	30	34	31	34	32	29	36	31
30	31	34	31	34	32	30	35	31
29	30	34	30	35	32	31	36	29
9	30	34	31	34	33	30	36	31
9	30	34	31	35	32	30	36	33
5	31	35	30	34	32	30	36	34
9	30	35	31	35	32	30	36	36
29	31	34	31	35	32	30	36	34
9	31	34	31	35	33	30	37	33
9	30	34	31	34	32	29	36	33
1	32	36	33	36	34	31	36	36
1	33	35	33	36	34	31	36	36
31	32	36	32	36	34	31	36	37
32	32	36	33	36	34	31	36	36
31	33	35	33	36	34	31	36	36
31	32	35	32	36	33	31	36	37
1	32	35	33	35	34	31	36	37
1	32	35	32	35	34	31	36	37
31	32	35	32	35	33	31	36	36
31	32	35	32	35	33	31	36	37
1	32	35	32	35	34	31	36	37
1	32	35	32	36	33	31	37	37
1	32	35	32	35	33	31	36	37
1	32	35	32	35	33	31	36	37
31	32	35	33	36	34	31	36	37
1	32	35	32	36	34	31	36	37
31	32	35	32	35	33	31	36	37
1	32	35	32	36	33	31	36	36

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C
46	14	33	28	31	32	35	33
47	14	52	28	32	32	34	33
48	15	11	29	31	32	36	33
49	15	30	29	32	32	36	33
50	*	*	29	32	33	35	33
51	*	*	29	31	33	35	33
52	*	*	29	32	33	35	33
53	16	45	30	31	33	35	32
54	17	4	30	31	33	35	33
55	17	23	29	31	33	35	33
56	17	42	28	31	32	35	32
57	18	0	29	31	32	35	32
58	18	19	28	32	32	35	32
59	18	38	28	31	33	35	33
60	18	57	29	31	32	36	33
61	19	16	29	31	32	35	33
62	19	34	28	31	33	36	33
63	19	53	29	31	33	35	32
64	20	12	29	31	33	35	33
65	20	31	29	31	32	35	33
66	20	50	29	31	32	36	33
67	20	29	29	32	33	35	33
68	21	27	29	32	32	36	33
69	21	46	29	32	33	35	33
70	22	5	29	31	33	36	34
71	22	24	30	31	32	36	33
72	22	43	29	32	33	35	33
73	23	1	29	32	33	35	34
74	23	20	29	32	33	35	34
75	23	39	29	32	33	36	34
76	23	58	29	32	34	36	33
77	24	17	30	32	32	36	34
78	24	35	29	32	34	36	34
79	24	54	30	33	33	36	33
80	25	13	31	34	34	36	33
81	25	32	32	33	33	36	32
82	25	51	33	34	33	36	33
83	26	9	33	33	33	36	32
84	26	28	32	32	33	36	32
85	26	47	33	33	33	36	32
86	27	6	33	33	33	36	33
87	27	25	33	33	33	36	33
88	27	43	34	33	33	36	33
89	28	2	34	33	33	36	32
90	28	21	33	34	33	36	32
91	28	40	34	33	33	36	33
92	28	59	34	33	34	36	33
93	29	17	34	35	34	36	33
94	29	36	35	42	33	32	32
95	29	55	38	45	34	33	32

6#31 15#9

-06 G.1 OIL LER LET OIL G.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C
31	32	35	33	35	34	31	36	37
32	32	34	33	36	33	31	36	38
31	32	36	33	35	34	31	36	39
32	32	36	33	36	34	31	37	41
32	33	35	33	36	34	31	37	42
31	33	35	33	36	34	31	37	43
32	33	35	33	36	34	32	37	45
31	33	35	32	36	34	31	36	46
31	33	35	33	36	34	31	36	46
31	33	35	33	36	34	31	35	48
31	32	35	32	36	33	31	36	48
31	32	35	32	35	34	30	36	50
32	32	35	32	35	34	31	36	51
31	33	35	33	36	34	31	36	52
31	32	36	33	36	34	31	36	53
31	32	35	33	35	34	31	36	54
31	33	36	33	36	33	31	36	56
31	33	35	32	36	34	31	37	56
31	33	35	33	35	34	31	36	58
31	32	35	33	36	33	31	36	59
31	32	36	33	36	34	32	36	60
32	33	35	33	36	34	31	37	62
32	32	36	33	36	34	31	36	62
32	33	35	33	36	34	31	37	63
31	33	36	34	36	34	31	36	64
31	32	36	33	36	34	32	36	65
32	33	35	33	36	34	31	37	66
32	33	35	34	36	34	32	37	67
32	33	35	34	36	34	32	36	67
32	33	36	34	36	34	31	36	68
32	34	36	33	35	35	31	37	69
32	32	36	34	35	34	32	37	70
32	34	36	34	36	34	31	37	71
33	33	36	33	36	34	32	36	71
34	34	36	33	36	34	31	37	72
33	33	36	32	36	34	31	36	73
34	33	36	33	35	35	31	37	73
33	33	36	32	36	35	32	33	74
32	33	36	32	36	34	34	35	75
33	33	36	32	37	33	35	35	76
33	33	36	33	36	34	34	35	77
33	33	36	33	36	34	34	35	78
33	33	36	33	36	33	33	35	78
33	33	36	32	36	34	34	34	79
34	33	36	32	36	34	34	34	79
33	33	36	33	36	34	34	35	80
33	34	36	33	36	33	34	35	81
35	34	36	33	37	34	34	35	81
42	33	32	32	36	34	34	35	82
45	34	33	32	36	34	34	35	82

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C
96	30	14	40	49	34	35	33
97	30	33	43	52	34	36	34
98	30	51	45	56	34	38	36
99	31	10	48	59	34	38	38
100	31	29	49	61	33	40	39
101	31	48	52	64	32	41	39
102	32	7	54	70	32	45	45
103	32	25	56	75	29	50	52
104	32	44	58	79	30	55	60
105	33	3	61	84	29	59	68
106	33	22	63	86	29	61	73
107	33	40	65	88	29	64	77
108	33	59	67	91	29	66	81
109	34	18	68	92	29	68	83
110	34	37	70	94	30	70	86
111	34	56	71	96	29	72	89
112	35	14	72	96	29	73	91
113	35	33	74	97	29	73	92
114	35	52	74	96	30	73	92
115	36	11	74	97	30	73	93
116	36	30	74	96	31	75	93
117	36	48	74	96	31	74	94
118	37	7	74	97	30	75	94
119	37	26	75	97	31	75	96
120	37	45	76	98	31	75	95
121	38	4	75	98	31	75	95
122	38	22	76	99	31	76	96
123	38	41	76	99	30	76	96
124	39	0	76	99	30	76	96
125	39	19	76	100	30	76	96
126	39	37	76	100	31	77	97
127	39	56	78	101	31	76	98
128	40	15	77	101	31	76	98
129	40	34	78	103	29	78	99
130	40	53	78	104	29	78	100
131	41	11	79	105	29	79	101
132	41	30	80	106	28	79	102
133	41	49	82	107	28	79	103
134	42	8	81	108	28	81	104
135	42	26	82	109	29	81	104
136	42	45	83	109	28	82	105
137	43	4	82	110	29	82	106
138	43	23	83	110	29	82	106
139	43	42	84	110	29	82	106
140	44	0	85	111	29	83	107
141	44	19	85	112	29	83	108
142	44	38	85	112	29	83	107
143	44	57	85	112	28	83	108
144	45	15	86	113	29	83	108
145	45	34	86	112	29	83	108

1650

-06	5-08	5-09	5-10	5-11	5-12	5-13	5-14	5-15
G.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2	ACCESS
OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL	GEAR
LER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER	BOX
LET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET	OIL
OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL	TEMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
49	34	35	33	36	34	34	35	83
52	34	36	34	36	33	34	35	83
56	34	38	36	37	34	33	35	85
59	34	38	38	37	34	34	35	85
61	33	40	39	37	33	35	35	85
64	32	41	39	36	34	34	35	85
70	32	45	45	36	34	34	35	86
75	29	50	52	36	34	34	36	86
79	30	55	60	36	34	34	36	85
4	29	59	68	36	34	34	35	86
6	29	61	73	36	35	34	36	86
8	29	64	77	36	34	34	36	87
91	29	66	81	34	34	36	37	87
92	29	68	83	36	34	43	41	88
94	30	70	86	40	39	48	45	88
6	29	72	89	49	49	55	51	87
96	29	73	91	56	58	60	53	88
97	29	73	92	62	67	66	58	88
96	30	73	92	67	74	73	63	88
97	30	73	93	72	80	77	65	88
6	31	75	93	73	85	80	69	88
6	31	74	94	72	88	84	70	88
7	30	75	94	73	89	86	71	88
97	31	75	96	75	92	88	71	88
98	31	75	95	76	94	90	73	89
98	31	75	95	78	95	91	74	88
99	31	76	96	78	97	92	75	89
99	30	76	96	78	98	93	76	88
99	30	76	96	80	98	94	76	88
00	30	76	96	81	100	94	76	89
00	31	77	97	81	100	95	77	89
01	31	76	98	82	101	96	79	89
01	31	76	98	82	102	96	77	90
03	29	78	99	82	103	98	78	89
4	29	78	100	83	104	99	79	89
5	29	79	101	84	106	101	81	89
06	28	79	102	85	107	102	81	89
07	28	79	103	85	108	104	82	89
08	28	81	104	86	109	105	83	89
09	29	81	104	85	110	106	85	90
09	28	82	105	86	110	106	83	90
10	29	82	106	88	110	106	85	89
10	29	82	106	88	112	107	85	90
10	29	82	106	89	112	107	86	89
11	29	83	107	88	112	108	86	91
12	29	83	108	89	112	109	86	90
12	29	83	107	89	113	109	87	90
12	28	83	108	89	113	109	86	91
13	29	83	108	89	113	109	86	91
12	29	83	108	89	113	110	87	91

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	E N. CO OU D
146	45	53	86	113	29	84	108	
147	46	12	86	113	29	83	108	
148	46	31	86	113	29	84	109	
149	46	49	88	113	29	83	108	
150	47	8	86	114	29	85	109	
151	47	27	86	114	30	84	109	
152	47	46	86	114	29	85	109	
153	48	4	87	114	29	84	109	
154	48	23	87	114	29	85	109	
155	48	42	88	115	29	85	109	
156	49	1	88	114	29	85	109	
157	49	19	87	114	29	85	109	
158	49	38	87	115	29	85	110	
159	49	57	87	113	29	86	108	
160	50	16	88	112	30	84	108	
161	50	34	87	110	31	84	107	
162	50	53	86	110	31	82	106	
163	51	12	85	109	31	82	106	
164	51	31	85	110	30	82	106	
165	51	50	85	113	29	82	107	
166	52	8	85	113	28	83	108	
167	52	27	87	116	28	85	109	
168	52	46	87	116	28	85	110	
169	53	5	89	118	29	85	111	
170	53	23	89	119	28	86	111	
171	53	42	89	118	28	86	111	
172	54	1	89	119	29	87	113	
173	54	20	91	120	28	87	112	
174	54	38	91	119	29	88	113	
175	54	57	92	120	29	88	114	
176	55	16	92	118	30	88	112	
177	55	35	91	114	30	86	110	
178	55	53	88	112	31	84	108	
179	56	12	86	110	31	83	107	
180	56	31	86	109	32	82	105	
181	56	50	85	109	32	82	105	
182	57	9	84	109	31	82	105	
183	57	27	84	109	31	82	104	
184	57	46	84	108	32	82	104	
185	58	5	83	108	31	82	104	
186	58	24	83	109	31	82	104	
187	58	42	84	108	31	82	104	
188	59	1	83	108	31	81	104	
189	59	20	83	108	31	82	104	
190	59	39	83	108	31	81	104	
191	59	57	83	107	31	82	103	
192	60	16	83	109	30	81	104	
193	60	35	85	112	59	82	106	
194	60	54	86	113	29	83	107	
195	61	12	86	116	28	85	108	

-06	5-08	5-09	5-10	5-11	5-12	5-13	5-14	5-15
G.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2	ACCESS
OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL	GEAR
LER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER	BOX
LET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET	OIL
OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL	TEMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
113	29	84	108	90	114	110	88	91
113	29	83	108	89	114	110	87	91
113	29	84	109	89	114	110	88	90
113	29	83	108	89	115	110	87	90
114	29	85	109	89	114	110	87	90
114	30	84	109	90	115	110	88	90
114	29	85	109	90	115	112	87	90
114	29	84	109	90	115	111	88	90
114	29	85	109	91	114	111	88	91
115	29	85	109	90	115	111	88	91
114	29	85	109	91	115	111	88	92
114	29	85	109	91	116	111	88	91
115	29	85	110	92	115	111	88	91
113	29	86	108	91	115	111	89	91
112	30	84	108	91	114	110	88	91
110	31	84	107	90	113	109	87	91
110	31	82	106	90	113	109	87	91
109	31	82	106	89	114	108	85	92
110	30	82	106	89	114	109	86	92
113	29	82	107	90	114	110	88	92
113	28	83	108	90	114	112	89	91
116	28	85	109	91	116	113	90	92
116	28	85	110	91	115	113	90	92
118	29	85	111	91	116	114	92	92
119	28	86	111	92	116	115	92	92
118	28	86	111	93	117	116	92	92
119	29	87	113	93	117	116	92	92
120	28	87	112	92	117	117	92	92
119	29	88	113	92	118	119	93	92
120	29	88	114	93	118	117	93	92
118	30	88	112	93	118	117	93	92
114	30	86	110	93	119	118	93	92
112	31	84	108	93	118	118	95	92
110	31	83	107	93	119	119	94	92
109	32	82	105	93	118	119	94	93
109	32	82	105	93	118	118	94	93
109	31	82	105	93	118	120	95	92
109	31	82	104	93	118	120	94	92
108	32	82	104	94	117	119	94	92
108	31	82	104	93	118	121	95	92
109	31	82	104	93	118	120	95	92
108	31	82	104	93	118	120	95	93
108	31	81	104	93	118	120	95	93
108	31	82	104	93	118	120	95	92
108	31	81	104	93	118	120	95	92
107	31	82	103	93	118	120	95	93
109	30	81	104	93	118	120	93	92
112	59	82	106	93	116	117	92	92
113	29	83	107	92	117	116	91	92
116	28	85	108	91	116	114	90	93

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	E N. CO OU D
196	61	31	88	117	29	84	109	
197	61	50	89	118	29	86	110	
198	62	9	89	119	28	86	111	
199	62	27	91	119	28	86	112	
200	62	46	91	120	29	87	113	
201	63	5	92	120	28	87	113	
202	63	24	92	120	29	88	113	
203	63	42	91	118	29	87	112	
204	64	1	91	116	30	86	111	
205	64	20	89	114	30	85	110	
206	64	39	89	112	30	85	109	
207	64	57	87	113	29	84	109	
208	65	16	88	116	29	85	110	
209	65	35	88	114	29	86	109	
210	65	53	88	113	30	85	109	
211	66	12	87	112	31	83	108	
212	66	31	86	113	29	85	109	
213	66	50	87	115	28	85	110	
214	67	9	89	117	29	86	111	
215	67	27	89	115	28	86	110	
216	67	46	89	113	30	85	109	
217	68	5	88	114	30	84	109	
218	68	23	88	116	29	85	110	
219	68	42	89	119	29	86	110	
220	69	1	90	119	29	86	112	
221	69	20	91	121	29	86	113	
222	69	39	92	122	29	87	114	
223	69	57	92	119	29	88	114	
224	70	16	92	118	30	87	113	
225	70	35	90	117	30	87	114	
226	70	54	90	116	30	86	113	
227	71	12	89	115	30	87	113	
228	71	31	89	116	30	87	112	
229	71	50	89	115	30	86	112	
230	72	8	88	114	31	87	112	
231	72	27	88	114	31	86	111	
232	72	46	88	114	31	85	111	
233	73	5	88	117	29	86	112	
234	73	23	89	116	29	87	112	
235	73	42	89	114	30	86	110	
236	74	1	88	112	30	85	109	
237	74	20	88	115	29	84	109	
238	74	38	87	116	29	85	110	
239	74	57	88	116	29	86	111	
240	75	16	89	115	30	86	110	
241	75	34	89	113	31	85	109	
242	75	53	88	111	31	85	107	
243	76	12	86	110	32	83	106	
244	76	31	85	113	30	82	108	
245	76	49	86	115	29	84	109	

-06 G.1 OIL LER LET OIL G.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C
17	29	84	109	91	115	113	90	92
18	29	86	110	91	115	113	89	93
19	28	86	111	91	115	112	88	93
19	28	86	112	90	115	111	89	93
20	29	87	113	91	114	110	88	93
20	28	87	113	89	113	110	88	93
20	29	88	113	88	111	109	86	93
18	29	87	112	90	112	109	86	93
16	30	86	111	89	112	109	87	93
14	30	85	110	90	113	110	88	93
12	30	85	109	89	113	110	88	93
13	29	84	109	89	113	109	87	93
16	29	85	110	89	113	109	86	93
14	29	86	109	90	112	108	86	93
13	30	85	109	90	113	109	87	93
12	31	83	108	89	113	110	86	94
13	29	85	109	89	111	108	85	94
15	28	85	110	87	110	107	84	93
17	29	86	111	88	109	106	85	93
15	28	86	110	88	109	106	85	95
13	30	85	109	88	110	107	85	94
14	30	84	109	86	108	106	85	95
16	29	85	110	86	108	105	83	94
19	29	86	110	85	106	104	83	94
19	29	86	112	85	105	103	82	94
21	29	86	113	83	103	102	81	94
22	29	87	114	82	102	102	81	94
19	29	88	114	82	100	101	82	94
18	30	87	113	82	100	101	81	95
17	30	87	114	81	99	100	81	95
16	30	86	113	81	97	99	81	95
15	30	87	113	80	96	99	80	95
16	30	87	112	79	96	99	80	95
15	30	86	112	79	96	99	79	95
14	31	87	112	79	96	99	79	95
14	31	86	111	79	96	98	79	96
14	31	85	111	78	94	99	78	95
17	29	86	112	77	95	98	77	95
16	29	87	112	77	94	97	78	96
14	30	86	110	79	96	98	79	96
12	30	85	109	80	99	99	79	96
15	29	84	109	80	98	99	78	95
16	29	85	110	78	98	99	78	96
16	29	86	111	81	97	99	80	96
15	30	86	110	81	99	99	81	96
13	31	85	109	82	101	101	81	96
11	31	85	107	84	103	101	82	96
10	32	83	106	84	104	102	81	97
13	30	82	108	83	104	103	81	96
15	29	84	109	83	104	102	81	96

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C
246	77	8	88	117	28	85	110
247	77	27	88	116	29	87	112
248	77	46	89	113	29	88	109
249	78	4	88	113	31	85	108
250	78	23	88	114	30	83	108
251	78	42	88	116	29	85	110
252	79	1	88	116	29	87	110
253	79	19	89	113	30	85	109
254	79	38	88	115	30	84	109
255	79	57	88	117	29	85	110
256	80	15	89	116	30	88	111
257	80	34	89	114	31	86	109
258	80	53	89	112	32	85	108
259	81	12	88	112	32	85	107
260	81	30	86	110	32	82	106
261	81	49	86	113	30	83	108
262	82	8	87	116	29	85	109
263	82	27	87	113	30	87	109
264	82	45	88	112	31	86	108
265	83	4	88	111	32	85	106
266	83	23	87	109	33	84	104
267	83	42	86	109	34	84	104
268	84	0	85	111	31	82	106
269	84	19	86	115	29	83	108
270	84	38	86	118	29	84	109
271	84	57	89	114	29	85	108
272	85	15	87	113	31	86	107
273	85	34	88	110	32	86	106
274	85	53	87	110	33	84	104
275	86	12	86	110	32	81	105
276	86	30	86	113	30	82	107
277	86	49	86	116	30	83	108
278	87	8	88	118	29	85	110
279	87	27	89	120	29	85	112
280	87	45	90	121	29	87	113
281	88	4	91	121	29	87	114
282	88	23	92	123	28	88	115
283	88	41	93	123	29	88	115
284	89	0	93	123	29	88	116
285	89	19	94	124	29	89	117
286	89	38	94	124	29	89	117
287	89	56	95	125	29	90	118
288	90	15	95	125	29	90	118
289	90	34	95	126	29	91	118
290	90	53	95	126	30	90	118
291	91	11	95	126	29	91	119
292	91	30	96	126	29	90	118
293	91	49	96	127	29	91	119
294	92	8	96	126	29	91	119
295	92	26	96	127	29	90	119

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5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C
28	85	110	83	104	101	80	96
29	87	112	85	104	102	83	96
29	88	109	85	106	103	84	96
31	85	108	87	108	103	84	96
30	83	108	84	106	102	81	96
29	85	110	82	103	102	81	97
29	87	110	83	103	102	82	97
30	85	109	84	104	102	82	97
30	84	109	82	103	101	80	96
29	85	110	82	102	101	79	96
30	88	111	82	102	101	82	97
31	86	109	83	103	101	82	97
32	85	108	83	103	102	82	97
32	85	107	85	105	103	83	97
32	82	106	83	103	102	81	98
30	83	108	82	104	102	81	97
29	85	109	83	104	101	81	97
30	87	109	85	105	102	83	98
31	86	108	85	106	103	84	98
32	85	106	87	108	105	85	97
33	84	104	88	109	104	85	98
34	84	104	88	109	105	84	99
31	82	106	85	107	104	83	98
29	83	108	85	107	103	82	98
29	84	109	85	106	103	82	98
29	85	108	86	107	103	84	98
31	86	107	87	108	104	85	98
32	86	106	88	109	104	86	98
33	84	104	89	110	105	86	98
32	81	105	86	108	106	84	99
30	82	107	85	106	105	82	98
30	83	108	83	104	103	81	98
29	85	110	82	103	102	81	98
29	85	112	81	102	101	79	98
29	87	113	80	101	101	80	98
29	87	114	81	100	100	79	98
28	88	115	80	100	100	79	99
29	88	115	81	100	99	79	99
29	88	116	81	100	99	78	98
29	89	117	80	99	99	78	98
29	89	117	80	99	99	79	98
29	90	118	81	99	99	78	99
29	90	118	80	99	99	78	99
29	91	118	80	99	98	78	99
30	90	118	79	98	98	78	99
29	91	119	79	99	97	78	98
29	90	118	80	98	98	78	99
29	91	119	79	98	98	78	99
29	91	119	79	99	98	78	99
29	90	119	79	99	97	77	98

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C
296	92	45	96	128	29	90	119
297	93	4	96	127	29	91	119
298	93	23	96	127	29	91	120
299	93	41	96	128	29	91	119
300	94	0	97	128	29	91	119
301	94	19	97	125	31	93	118
302	94	37	96	122	31	92	117
303	94	56	96	121	32	91	116
304	95	15	95	119	33	91	114
305	95	34	94	117	34	90	113
306	95	52	93	116	34	90	113
307	96	11	92	115	34	88	111
308	96	30	91	114	34	88	110
309	96	49	90	115	34	85	110
310	97	1	89	116	31	85	110
311	97	13	89	117	31	85	111
312	97	25	89	115	31	85	110
313	97	37	89	115	32	85	110
314	97	56	88	113	32	85	109
315	98	15	87	111	32	85	107
316	98	33	86	110	33	83	106
317	98	52	85	110	34	82	105
318	99	11	85	109	33	83	105
319	99	29	84	108	34	82	104
320	99	46	83	108	34	82	103
321	100	7	83	108	33	82	104
322	100	26	83	107	34	81	103
323	100	44	82	105	33	81	102
324	101	3	81	106	34	82	101
325	101	22	82	106	33	79	101
326	101	40	81	104	34	79	100
327	101	59	81	105	34	79	101
328	102	18	81	104	33	81	101
329	102	37	81	104	33	79	101
330	102	55	81	103	34	79	99
331	103	14	80	103	34	81	99
332	103	33	81	103	34	79	100
333	103	52	80	105	33	81	101
334	104	10	81	103	33	78	101
335	104	29	79	103	33	78	99
336	104	48	79	103	34	78	99
337	105	6	80	103	34	77	100
338	105	25	79	102	34	77	99
339	105	44	79	101	34	77	98
340	106	3	78	102	34	78	99
341	106	21	78	101	34	76	98
342	106	40	78	100	34	75	97
343	106	59	77	100	34	77	97
344	107	17	78	101	33	77	98
345	107	36	79	101	34	76	97

-06	5-08	5-09	5-10	5-11	5-12	5-13	5-14	5-15
G.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2	ACCESS
OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL	GEAR
LER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER	BOX
LET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET	OIL
OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL	TEMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
28	29	90	119	79	99	98	78	98
27	29	91	119	79	98	97	78	99
27	29	91	120	79	98	97	78	98
28	29	91	119	79	98	9[illegible]	77	97
28	29	91	119	79	98	98	77	99
25	31	93	118	81	99	98	79	98
22	31	92	117	83	101	100	81	98
21	32	91	116	85	103	101	82	99
19	33	91	114	86	103	101	83	98
17	34	90	113	85	105	103	83	98
16	34	90	113	86	106	103	85	99
15	34	88	111	87	107	103	85	99
14	34	88	110	88	108	105	86	98
15	34	85	110	86	108	106	84	99
16	31	85	110	86	110	107	85	99
17	31	85	111	87	110	108	86	98
16	31	85	110	88	110	107	85	98
15	32	85	110	88	110	106	85	98
13	32	85	109	87	110	108	85	99
11	32	85	107	88	110	107	87	99
10	33	83	106	88	110	108	86	99
10	34	82	105	88	110	108	86	99
09	33	83	105	88	109	108	87	99
08	34	82	104	87	110	109	86	99
08	34	82	103	88	110	108	86	99
08	33	82	104	86	107	108	85	99
07	34	81	103	87	109	109	86	98
05	33	81	102	89	111	109	87	99
06	34	82	101	88	109	109	87	99
06	33	79	101	86	109	109	87	99
04	34	79	100	88	111	110	86	99
05	34	79	101	88	110	110	86	99
04	33	81	101	86	108	108	86	99
04	33	79	101	87	109	109	87	99
03	34	79	99	88	111	112	87	99
03	34	81	99	91	111	110	88	99
03	34	79	100	88	109	109	87	99
05	33	81	101	86	106	108	86	99
03	33	78	101	86	108	109	87	99
03	33	78	99	88	109	110	86	99
03	34	78	99	87	109	109	86	100
03	34	77	100	86	108	108	85	99
02	34	77	99	86	110	110	87	99
01	34	77	98	88	111	110	88	99
02	34	78	99	88	109	110	86	99
01	34	76	98	86	111	110	86	99
00	34	75	97	87	112	112	89	99
00	34	77	97	90	112	111	89	99
01	33	77	98	88	110	110	87	100
01	34	76	97	88	110	110	87	99

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C
346	107	55	77	100	34	77	97
347	108	14	77	101	34	78	98
348	108	32	78	100	33	76	98
349	108	51	77	99	34	75	97
350	109	10	77	98	34	75	96
351	109	28	75	97	35	74	95
352	109	47	75	98	34	75	95
353	110	6	75	97	35	74	94
354	110	25	74	96	34	74	94
355	110	43	74	96	34	74	94
356	111	2	74	95	35	73	94
357	111	21	74	95	34	74	93
358	111	39	73	96	34	73	93
359	111	58	74	95	34	73	93
360	112	17	73	95	35	73	93
361	112	36	73	95	34	73	93
362	112	54	72	95	34	73	92
363	113	13	73	95	35	73	93
364	113	32	73	95	35	73	93
365	113	50	73	95	35	74	93
366	114	9	73	94	35	73	92
367	114	28	73	94	34	73	92
368	114	47	72	94	35	73	92
369	115	5	72	95	35	73	93
370	115	24	73	94	35	73	93
371	115	43	73	95	35	73	92
372	116	1	72	93	34	74	92
373	116	20	73	94	35	73	92
374	116	39	73	94	35	73	92
375	116	57	73	94	35	73	93
376	117	16	73	95	35	73	92
377	117	35	73	94	35	73	92
378	117	54	72	94	35	73	92
379	118	12	73	94	35	73	92
380	118	31	74	94	35	73	92
381	118	50	73	94	35	73	92
382	119	8	72	94	35	73	93
383	119	27	73	93	35	73	92
384	119	46	72	94	34	72	92
385	120	5	73	94	35	73	93
386	120	23	73	94	34	74	92
387	120	42	73	94	35	73	92
388	121	1	73	94	36	73	92
389	121	19	73	94	37	73	93
390	121	38	72	94	36	75	92
391	121	57	73	95	36	76	93
392	122	15	75	96	37	75	95
393	122	34	76	97	37	76	96
394	122	53	76	99	37	77	97
395	123	11	76	99	37	78	98

1055

-06	5-08	5-09	5-10	5-11	5-12	5-13	5-14	5-15
G.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2	ACCESS
OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL	GEAR
LER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER	BOX
LET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET	OIL
OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL	TEMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
00	34	77	97	89	111	112	88	99
01	34	78	98	89	111	110	87	100
00	33	76	98	87	112	111	86	99
99	34	75	97	87	112	113	88	99
98	34	75	96	89	113	115	90	99
97	35	74	95	90	115	115	91	99
98	34	75	95	90	115	116	90	99
97	35	74	94	91	116	117	91	99
96	34	74	94	91	117	117	92	99
96	34	74	94	91	117	117	92	99
95	35	73	94	92	118	118	92	98
95	34	74	93	92	118	118	93	99
96	34	73	93	92	119	118	93	99
95	34	73	93	92	119	119	93	99
95	35	73	93	92	119	120	93	99
95	34	73	93	93	119	119	94	98
95	34	73	92	94	119	120	93	99
95	35	73	93	93	120	120	94	98
95	35	73	93	93	120	120	95	98
95	35	74	93	94	120	121	96	98
94	35	73	92	94	120	121	95	99
94	34	73	92	94	120	120	95	98
94	35	73	92	94	120	121	95	98
95	35	73	93	94	121	121	94	98
94	35	73	93	94	120	122	95	98
95	35	73	92	95	120	121	95	98
93	34	74	92	94	121	121	96	97
94	35	73	92	95	121	122	95	98
94	35	73	92	95	121	122	95	98
94	35	73	93	95	122	122	95	97
95	35	73	92	96	122	122	96	97
94	35	73	92	94	121	122	96	98
94	35	73	92	95	123	122	96	98
94	35	73	92	96	121	122	95	97
94	35	73	92	95	122	122	96	97
94	35	73	92	95	122	122	96	97
94	35	73	93	95	122	122	95	97
93	35	73	92	95	120	122	96	97
94	34	72	92	94	122	122	95	96
94	35	73	93	94	122	123	96	96
94	34	74	92	94	121	123	96	96
94	35	73	92	95	122	123	95	97
94	36	73	92	94	122	122	96	97
94	37	73	93	94	122	122	96	96
94	36	75	92	96	122	120	96	97
95	36	76	93	95	120	119	93	96
96	37	75	95	93	118	117	92	97
97	37	76	96	92	118	115	92	97
99	37	77	97	92	116	114	89	96
99	37	78	98	92	117	113	89	96

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C
396	123	30	77	99	37	79	99
397	123	49	79	100	38	79	99
398	124	8	79	101	38	80	99
399	124	26	79	101	38	79	100
400	124	45	79	101	38	80	101
401	125	4	80	102	38	80	101
402	125	22	81	102	38	81	101
403	125	41	81	103	38	81	101
404	126	0	81	103	39	80	101
405	126	18	80	103	38	81	102
406	126	37	81	103	38	81	102
407	126	56	81	103	38	80	102
408	127	14	81	102	38	80	102
409	127	33	81	103	38	80	101
410	127	52	81	103	38	81	102
411	128	11	80	102	38	80	102
412	128	29	80	102	38	80	102
413	128	48	80	103	38	80	101
414	129	7	81	103	37	78	102
415	129	25	80	107	36	78	103
416	129	44	81	109	36	79	104
417	130	3	82	112	35	81	106
418	130	21	82	113	35	81	108
419	130	40	85	115	35	81	109
420	130	59	85	116	35	83	110
421	131	17	87	118	35	83	111
422	131	36	88	118	35	84	112
423	131	55	89	116	35	86	111
424	132	14	88	114	36	84	110
425	132	32	88	116	35	84	110
426	132	51	88	117	35	83	111
427	133	10	87	119	35	84	112
428	133	28	88	116	35	86	110
429	133	47	88	113	36	85	109
430	134	6	87	110	37	83	108
431	134	24	86	110	38	82	107
432	134	43	85	108	38	82	105
433	135	2	84	107	38	83	103
434	135	20	83	106	38	80	102
435	135	39	82	103	39	82	100
436	135	58	83	103	39	81	98
437	136	17	83	100	39	86	97
438	136	35	85	99	39	87	97
439	136	54	85	99	40	87	95
440	137	13	84	98	41	88	94
441	137	31	85	96	41	88	93
442	137	50	85	96	41	87	93
443	*	*	*	*	*	*	*

5-06 G.1 OIL LER LET OIL G.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C	5-15 ACCESS GEAR BOX OIL TEMP DEG.C
99	37	79	99	92	116	112	89	97
00	38	79	99	91	115	110	88	98
01	38	80	99	91	114	111	88	97
01	38	79	100	91	114	110	88	97
01	38	80	101	91	113	110	87	96
02	38	80	101	89	113	109	86	96
02	38	81	101	89	113	108	86	96
03	38	81	101	90	112	109	86	96
03	39	80	101	90	112	109	86	97
03	38	81	102	89	112	107	85	96
03	38	81	102	89	112	106	85	96
03	38	80	102	89	111	108	85	97
02	38	80	102	89	111	106	86	97
03	38	80	101	89	111	105	85	96
03	38	81	102	88	111	106	85	96
02	38	80	102	88	112	106	85	96
02	38	80	102	88	111	105	85	97
03	38	80	101	88	110	105	85	97
03	37	78	102	86	109	105	81	97
07	36	78	103	85	107	104	79	97
09	36	79	104	82	104	102	78	96
12	35	81	106	81	102	100	78	97
13	35	81	108	79	100	98	76	97
15	35	81	109	78	99	98	76	97
16	35	83	110	77	98	97	76	96
18	35	83	111	77	97	96	75	97
18	35	84	112	76	96	96	74	96
16	35	86	111	78	95	96	77	96
14	36	84	110	77	97	97	76	96
16	35	84	110	79	100	101	78	96
17	35	83	111	81	103	104	81	96
19	35	84	112	82	105	106	84	98
16	35	86	110	85	106	105	84	96
13	36	85	109	84	107	105	83	97
10	37	83	108	85	107	105	83	97
10	38	82	107	85	108	105	82	97
08	38	82	105	85	107	105	82	96
07	38	83	103	86	108	103	83	96
06	38	80	102	85	107	104	82	98
03	39	82	100	87	108	103	84	97
03	39	81	98	87	104	103	90	98
00	39	86	97	91	102	102	96	98
99	39	87	97	91	101	99	96	98
99	40	87	95	91	99	98	96	99
98	41	88	94	91	99	97	95	101
96	41	88	93	90	99	96	93	100
96	41	87	93	89	98	95	92	99
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5- FU TEM COME HEAT DEG
1	0	13	32	31	32	33	28	
2	0	32	32	31	33	33	28	
3	*	*	32	31	32	33	28	
4	1	10	31	31	33	34	28	
5	*	*	32	31	33	33	28	
6	1	48	32	31	33	34	28	
7	2	7	31	32	33	34	28	
8	*	*	32	31	33	33	28	
9	*	*	31	31	33	34	28	
10	3	3	31	31	33	34	28	
11	*	*	31	31	33	34	28	
12	*	*	32	31	33	34	28	
13	*	*	32	31	33	33	28	
14	*	*	31	31	33	33	28	
15	*	*	32	31	33	33	28	
16	*	*	32	31	33	34	28	
17	*	*	31	31	32	33	28	
18	*	*	31	31	33	34	28	
19	*	*	32	31	55	36	27	
20	6	13	32	32	55	36	28	
21	6	32	31	32	55	36	27	
22	6	51	32	31	54	36	27	
23	*	*	32	32	55	36	28	
24	*	*	32	32	59	36	28	
25	7	47	32	32	33	34	30	
26	8	6	32	32	33	34	30	
27	*	*	32	32	33	34	30	
28	8	54	34	34	34	36	34	
29	*	*	34	34	35	36	34	
30	9	32	34	34	35	35	35	
31	9	51	34	34	35	35	34	
32	*	*	34	34	35	36	34	
33	*	*	34	34	35	35	34	
34	*	*	34	34	34	35	34	
35	11	6	34	34	34	35	34	
36	*	*	34	34	35	35	34	
37	*	*	34	33	34	35	34	
38	12	2	34	33	34	35	34	
39	12	21	34	33	34	35	34	
40	12	40	33	34	34	35	34	
41	12	59	34	34	34	36	34	
42	*	*	34	34	35	35	34	
43	13	37	34	33	34	35	34	
44	13	56	34	34	35	35	34	
45	*	*						

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

5-17 MAIN BOX OLER TLET OIL EG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C
31	32	33	28	36	30	28	29	29
31	33	33	28	36	30	28	29	28
31	32	33	28	36	30	28	29	29
31	33	34	28	36	30	28	29	29
31	33	33	28	36	30	28	29	29
31	33	34	28	36	30	28	29	29
32	33	34	28	36	30	29	29	29
31	33	33	28	36	30	28	29	29
31	33	34	28	36	30	28	29	29
31	33	34	28	36	30	29	29	29
31	33	34	28	36	30	28	28	29
31	33	34	28	36	30	28	29	29
31	33	33	28	36	30	28	29	28
31	33	33	28	36	30	28	29	28
31	33	33	28	36	30	28	29	28
31	33	34	28	36	29	29	29	29
31	32	33	28	36	30	28	29	29
31	33	34	28	36	30	29	29	29
31	55	36	27	35	30	29	29	29
32	55	36	28	36	30	29	29	29
32	55	36	27	36	31	29	29	29
31	54	36	27	36	30	29	29	28
32	55	36	28	36	31	29	29	28
32	59	36	28	36	31	28	29	29
32	33	34	30	37	30	28	29	29
32	33	34	30	38	30	28	29	29
32	33	34	30	38	30	28	29	29
34	34	36	34	41	32	30	30	31
34	35	36	34	41	32	30	30	31
34	35	35	35	41	32	30	30	31
34	35	35	34	41	32	29	30	31
34	35	36	34	41	32	30	30	31
34	35	35	34	41	32	30	30	31
34	34	35	34	41	32	29	29	31
34	34	35	34	41	32	29	29	31
34	34	35	34	41	32	29	29	31
34	35	35	34	41	32	29	29	30
33	34	35	34	41	32	30	30	31
33	34	35	34	41	32	29	30	31
33	34	35	34	41	32	29	30	31
34	34	35	34	41	32	30	29	31
34	34	36	34	41	32	30	29	31
34	35	35	34	40	32	29	30	31
33	34	35	34	40	32	30	29	31
34	35	35	34	41	32	30	30	31

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C
46	14	33	33	34	59	38	33
47	14	52	34	34	57	37	33
48	15	11	34	33	58	38	34
49	15	30	34	34	58	38	34
50	*	*	34	34	59	38	34
51	*	*	34	34	57	38	35
52	*	*	34	34	58	38	35
53	16	45	34	34	57	38	36
54	17	4	34	33	59	38	36
55	17	23	34	34	56	38	36
56	17	42	34	34	57	37	37
57	18	0	34	33	56	37	36
58	18	19	34	33	56	38	37
59	18	38	34	34	56	37	39
60	18	57	34	34	56	37	39
61	19	16	34	34	56	38	40
62	19	34	34	34	57	38	41
63	19	53	34	34	59	38	41
64	20	12	34	34	56	38	41
65	20	31	34	34	59	38	42
66	20	50	34	33	58	38	44
67	20	29	34	34	59	38	43
68	21	27	34	34	58	38	45
69	21	46	34	34	59	38	45
70	22	5	34	34	59	38	45
71	22	24	35	34	59	37	46
72	22	43	34	34	59	38	47
73	23	1	34	34	59	38	48
74	23	20	34	34	59	38	48
75	23	39	34	34	59	38	49
76	23	58	35	34	56	38	49
77	24	17	34	34	56	38	51
78	24	35	34	34	59	38	51
79	24	54	34	34	59	38	51
80	25	13	31	32	59	38	52
81	25	32	29	30	58	38	52
82	25	51	29	30	56	38	54
83	26	9	30	30	59	38	55
84	26	28	29	31	59	38	55
85	26	47	28	30	59	38	55
86	27	6	28	28	57	38	56
87	27	25	27	28	56	38	57
88	27	43	28	29	59	38	57
89	28	2	28	29	59	38	58
90	28	21	29	29	59	39	59
91	28	40	29	29	56	38	59
92	28	59	30	29	59	39	60
93	29	17	29	30	56	38	60
94	29	36	26	26	56	38	61
95	29	55	27	27	56	38	61

5-17 IN OX ER ET OIL G.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C
34	59	38	33	39	33	30	30	31
34	57	37	33	40	32	30	30	30
33	58	38	34	39	33	30	30	32
34	58	38	34	40	32	30	30	31
34	59	38	34	40	32	31	30	32
34	57	38	35	41	32	30	30	32
34	58	38	35	41	33	30	30	32
34	57	38	36	40	33	30	31	32
33	59	38	36	41	33	30	30	32
34	56	38	36	37	32	30	30	32
34	57	37	37	40	33	31	31	31
33	56	37	36	40	33	31	31	32
33	56	38	37	41	33	31	31	33
34	56	37	39	43	33	31	31	33
34	56	37	39	43	33	31	30	33
34	56	38	40	46	33	31	30	32
34	57	38	41	42	33	30	30	32
34	59	38	41	44	33	30	31	33
34	56	38	41	44	34	30	31	33
34	59	38	42	44	34	30	32	33
33	58	38	44	47	34	31	31	33
34	59	38	43	42	34	31	32	34
34	58	38	45	41	35	31	32	33
34	59	38	45	43	34	31	32	34
34	59	38	45	39	34	31	33	34
34	59	37	46	45	35	31	33	34
34	59	38	47	41	34	32	33	34
34	59	38	48	44	35	31	33	34
34	59	38	48	39	35	32	34	35
34	59	38	49	46	35	32	34	35
34	56	38	49	44	35	32	34	35
34	56	38	51	46	35	32	34	36
34	59	38	51	44	35	32	34	35
34	59	38	51	46	35	32	35	35
32	59	38	52	43	35	32	35	36
30	58	38	52	41	35	33	35	36
30	56	38	54	49	36	33	35	36
30	59	38	55	49	35	33	36	36
31	59	38	55	46	36	33	36	37
30	59	38	55	44	36	33	35	37
28	57	38	56	48	36	33	36	36
28	56	38	57	49	36	33	36	37
29	59	38	57	48	36	34	36	37
29	59	38	58	47	36	34	36	37
29	59	39	59	44	36	34	36	38
29	56	38	59	46	37	34	36	38
29	59	39	60	46	36	34	36	38
30	56	38	60	48	36	34	37	38
26	56	38	61	50	37	34	38	39
27	56	38	61	51	37	34	38	38

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C
96	30	14	27	28	58	39	60
97	30	33	28	29	56	39	59
98	30	51	28	29	57	39	59
99	31	10	29	29	59	40	60
100	31	29	29	29	62	40	61
101	31	48	29	30	60	40	62
102	32	7	30	32	61	41	61
103	32	25	32	32	61	41	61
104	32	44	33	34	59	43	61
105	33	3	36	36	63	44	61
106	33	22	37	38	62	46	62
107	33	40	39	40	62	47	62
108	33	59	40	41	65	48	63
109	34	18	42	43	67	48	63
110	34	37	44	45	66	49	64
111	34	56	46	45	66	49	65
112	35	14	48	48	66	50	64
113	35	33	50	48	68	51	66
114	35	52	51	49	66	51	66
115	36	11	52	50	68	52	66
116	36	30	54	52	71	53	67
117	36	48	55	52	70	54	67
118	37	7	56	53	71	54	68
119	37	26	58	54	73	55	68
120	37	45	58	54	71	54	68
121	38	4	59	55	73	55	69
122	38	22	60	55	73	56	70
123	38	41	61	56	73	56	69
124	39	0	62	56	73	56	70
125	39	19	63	56	73	57	69
126	39	37	64	57	74	57	70
127	39	56	65	58	73	58	70
128	40	15	65	57	75	58	71
129	40	34	66	56	75	59	71
130	40	53	67	57	77	59	71
131	41	11	68	58	75	59	71
132	41	30	69	58	76	60	71
133	41	49	70	59	77	61	70
134	42	8	70	58	78	61	71
135	42	26	71	60	77	62	72
136	42	45	72	60	77	62	71
137	43	4	73	60	80	63	71
138	43	23	73	61	77	63	71
139	43	42	75	61	81	64	71
140	44	0	75	62	80	65	71
141	44	19	75	62	81	64	72
142	44	38	76	62	80	65	72
143	44	57	77	62	81	66	71
144	45	15	77	63	82	66	71
145	45	34	78	64	81	68	71

17 IN OX ER ET IL .C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C
8	58	39	60	51	37	35	37	39
9	56	39	59	46	37	35	38	39
9	57	39	59	46	37	35	38	39
9	59	40	60	45	38	34	39	38
9	62	40	61	46	37	35	39	39
0	60	40	62	45	38	35	39	38
2	61	41	61	44	38	35	38	39
2	61	41	61	48	38	35	38	39
4	59	43	61	48	37	36	39	39
6	63	44	61	48	38	36	39	40
8	62	46	62	49	38	36	39	40
0	62	47	62	49	37	36	39	40
1	65	48	63	49	38	36	39	40
3	67	48	63	49	38	36	39	41
5	66	49	64	49	37	36	40	41
5	66	49	65	49	38	36	40	41
8	66	50	64	48	38	37	40	41
8	68	51	66	49	38	36	39	41
9	66	51	66	51	38	37	40	41
0	68	52	66	49	38	37	40	42
2	71	53	67	48	38	37	40	42
2	70	54	67	49	38	37	40	42
3	71	54	68	48	38	37	40	42
4	73	55	68	48	39	37	41	42
4	71	54	68	49	39	38	41	42
5	73	55	69	48	38	37	41	42
5	73	56	70	48	39	37	42	42
6	73	56	69	48	39	37	41	43
6	73	56	70	47	38	38	41	43
6	73	57	69	48	39	38	41	43
7	74	57	70	48	39	38	41	44
8	73	58	70	46	39	38	41	44
7	75	58	71	48	39	39	42	44
6	75	59	71	48	39	38	41	44
7	77	59	71	46	39	38	42	44
8	75	59	71	46	39	38	42	44
8	76	60	71	46	39	39	42	44
59	77	61	70	46	39	39	42	44
8	78	61	71	46	40	39	42	43
0	77	62	72	46	39	39	42	44
0	77	62	71	46	40	39	43	44
0	80	63	71	46	40	39	43	44
61	77	63	71	46	40	39	42	45
1	81	64	71	46	40	39	42	44
2	80	65	71	45	40	40	43	45
2	81	64	72	46	40	40	44	45
2	80	65	72	45	41	40	43	45
2	81	66	71	46	41	39	44	45
3	82	66	71	45	40	40	44	45
4	81	66	71	45	40	40	44	45

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C
146	45	53	79	63	82	66	71
147	46	12	79	63	81	66	71
148	46	31	79	65	81	67	72
149	46	49	80	64	81	67	72
150	47	8	81	66	83	68	72
151	47	27	81	65	82	68	72
152	47	46	82	65	83	69	72
153	48	4	82	65	84	69	71
154	48	23	82	65	83	69	72
155	48	42	82	65	83	70	72
156	49	1	83	65	84	70	72
157	49	19	83	66	82	70	73
158	49	38	83	66	84	70	72
159	49	57	83	68	85	70	73
160	50	16	83	68	85	71	72
161	50	34	83	69	85	71	75
162	50	53	83	67	86	71	74
163	51	12	83	67	85	71	74
164	51	31	83	66	85	72	73
165	51	50	83	66	85	72	73
166	52	8	84	66	85	73	74
167	52	27	86	67	85	73	74
168	52	46	86	68	85	73	73
169	53	5	87	68	85	74	73
170	53	23	87	68	86	74	74
171	53	42	88	70	85	74	73
172	54	1	89	70	86	74	73
173	54	20	89	70	86	75	73
174	54	38	90	69	86	76	73
175	54	57	91	70	88	76	74
176	55	16	91	71	86	76	75
177	55	35	91	71	87	76	73
178	55	53	91	71	86	76	74
179	56	12	91	71	87	76	74
180	56	31	90	71	88	77	73
181	56	50	91	71	86	76	75
182	57	9	90	71	86	77	74
183	57	27	90	71	86	77	73
184	57	46	90	71	87	77	74
185	58	5	91	71	86	77	74
186	58	24	91	71	86	77	74
187	58	42	91	71	86	77	73
188	59	1	91	71	85	78	74
189	59	20	91	70	86	78	74
190	59	39	91	70	86	78	75
191	59	57	91	71	86	78	74
192	60	16	91	71	86	78	74
193	60	35	91	70	86	78	74
194	60	54	91	71	86	79	74
195	61	12	91	71	86	79	75

5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C
82	66	71	45	41	40	44	47
81	66	71	44	41	40	44	46
81	67	72	45	40	41	44	46
81	67	72	44	40	41	44	46
83	68	72	45	41	40	45	46
82	68	72	44	41	41	45	45
83	69	72	45	41	41	45	46
84	69	71	44	41	40	45	46
83	69	72	44	41	41	45	46
83	70	72	45	41	41	45	47
84	70	72	44	41	41	45	47
82	70	73	44	42	41	45	48
84	70	72	45	41	41	45	48
85	70	73	44	41	41	45	48
85	71	72	44	41	42	46	48
85	71	75	44	41	42	45	48
86	71	74	44	41	42	45	48
85	71	74	44	41	42	46	48
85	72	73	44	41	41	46	48
85	72	73	44	41	42	46	48
85	73	74	44	41	42	46	48
85	73	74	44	42	42	46	48
85	73	73	44	42	42	46	47
85	74	73	44	42	42	46	48
86	74	74	44	42	42	46	48
85	74	73	44	42	42	46	48
86	74	73	43	42	42	46	49
86	75	73	45	42	42	47	49
86	76	73	44	42	43	47	49
88	76	74	44	42	43	48	49
86	76	75	44	42	43	46	50
87	76	73	44	42	43	47	50
86	76	74	44	43	43	48	50
87	76	74	44	43	43	47	50
88	77	73	44	44	43	47	51
86	76	75	44	43	43	47	49
86	77	74	44	42	44	48	50
86	77	73	44	42	44	48	51
87	77	74	44	43	43	48	51
86	77	74	44	43	43	48	51
86	77	74	44	43	43	48	51
86	77	73	44	43	44	48	49
85	78	74	44	43	44	48	50
86	78	74	44	43	44	48	51
86	78	75	43	44	44	48	51
86	78	74	44	44	44	49	51
86	78	74	44	44	44	48	51
86	78	74	43	43	44	48	51
86	79	74	44	43	44	48	51
86	79	75	44	43	45	48	52

-01 SHEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5 FUE TEMP T COMBS HEATE DEG.
196	61	31	92	72	87	79	74	44
197	61	50	91	71	86	79	74	44
198	62	9	91	71	85	80	74	44
199	62	27	92	71	86	79	75	44
200	62	46	92	73	86	80	75	44
201	63	5	92	71	86	79	74	43
202	63	24	92	71	86	79	75	43
203	63	42	92	72	87	79	75	43
204	64	1	92	71	87	80	75	43
205	64	20	91	71	86	79	75	43
206	64	39	91	71	85	80	75	44
207	64	57	91	71	86	80	75	43
208	65	16	91	71	86	81	75	43
209	65	35	91	71	86	81	75	44
210	65	53	90	71	86	81	76	44
211	66	12	90	71	86	81	75	44
212	66	31	90	71	86	81	76	44
213	66	50	90	71	85	81	76	44
214	67	9	90	71	85	81	75	43
215	67	27	90	73	85	81	76	44
216	67	46	90	73	86	81	77	44
217	68	5	89	71	85	81	76	44
218	68	23	89	70	85	81	76	43
219	68	42	90	71	85	81	76	43
220	69	1	90	71	85	81	77	44
221	69	20	89	71	85	81	76	44
222	69	39	90	70	85	81	76	44
223	69	57	89	71	85	82	76	44
224	70	16	90	72	85	81	77	44
225	70	35	90	71	85	81	78	43
226	70	54	89	72	85	82	78	43
227	71	12	89	72	86	82	78	44
228	71	31	88	72	86	82	78	44
229	71	50	88	71	85	82	78	44
230	72	9	89	72	85	82	79	44
231	72	27	88	72	86	82	79	44
232	72	46	88	71	85	82	78	44
233	73	5	88	69	86	82	78	44
234	73	23	89	72	86	82	78	43
235	73	42	88	72	86	82	79	44
236	74	1	88	72	86	82	79	44
237	74	20	88	71	86	82	78	44
238	74	38	88	69	86	83	79	44
239	74	57	88	73	86	82	78	44
240	75	16	89	73	86	82	79	44
241	75	34	88	73	87	83	79	44
242	75	53	89	73	88	83	79	44
243	76	12	88	72	88	83	79	44
244	76	31	88	70	86	83	78	44
245	76	49	88	70	86	84	79	44

5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C
87	79	74	44	44	45	49	52
86	79	74	44	44	45	49	52
85	80	74	44	44	45	48	52
86	79	75	44	44	44	49	52
86	80	75	44	44	45	49	52
86	79	74	43	44	45	49	52
86	79	75	43	44	45	49	52
87	79	75	43	44	45	49	52
87	80	75	43	44	45	49	53
86	79	75	43	44	45	49	53
85	80	75	44	44	45	49	53
86	80	75	43	44	45	49	53
86	81	75	43	44	45	49	52
86	81	75	44	44	45	49	53
86	81	76	44	44	45	49	52
86	81	75	44	44	45	49	54
86	81	76	44	44	45	50	53
85	81	76	44	44	45	50	53
85	81	75	43	44	45	49	54
85	81	76	44	44	45	49	54
86	81	77	44	44	45	50	54
85	81	76	44	44	45	50	54
85	81	76	43	44	46	50	54
85	81	76	43	44	45	50	53
85	81	77	44	44	46	49	53
85	81	76	44	44	46	50	54
85	81	76	44	45	45	49	54
85	82	76	44	44	46	50	54
86	81	77	44	44	46	50	55
85	81	78	43	44	46	50	54
85	82	78	43	44	46	51	54
86	82	78	44	44	46	51	54
86	82	78	44	44	46	50	55
85	82	78	44	44	46	51	54
85	82	79	44	44	46	50	55
86	82	79	44	44	46	51	55
85	82	78	44	44	46	51	55
86	82	78	44	44	46	51	55
86	82	78	43	44	46	51	55
86	82	79	44	44	46	51	55
86	82	79	44	44	46	51	55
86	82	78	44	45	46	51	55
86	83	79	44	44	46	51	55
86	82	78	44	45	46	51	55
86	82	79	44	44	46	51	56
87	83	79	44	44	47	51	56
88	83	79	44	44	47	52	56
88	83	79	44	45	46	51	56
86	83	78	44	45	46	51	55
86	84	79	44	45	47	51	55

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C
246	77	8	88	69	86	84	79
247	77	27	88	72	86	83	80
248	77	46	89	73	87	84	78
249	78	4	89	73	88	84	80
250	78	23	88	71	87	84	79
251	78	42	88	70	86	84	79
252	79	1	89	73	86	84	79
253	79	19	89	73	87	84	80
254	79	38	88	71	86	84	79
255	79	57	89	70	86	84	79
256	80	15	89	73	86	84	80
257	80	34	89	73	87	84	80
258	80	53	89	74	88	84	80
259	81	12	88	73	88	84	80
260	81	30	88	71	88	84	80
261	81	49	88	71	86	84	80
262	82	8	88	70	86	84	80
263	82	27	89	73	86	85	80
264	82	45	89	73	88	85	80
265	83	4	89	73	88	85	81
266	83	23	88	73	88	85	82
267	83	42	88	73	87	85	81
268	84	0	88	71	86	85	81
269	84	19	88	70	86	85	81
270	84	38	88	71	86	85	80
271	84	57	89	73	86	85	81
272	85	15	89	72	86	85	81
273	85	34	89	72	86	85	81
274	85	53	88	73	86	85	81
275	86	12	88	71	86	85	82
276	86	30	89	70	86	85	81
277	86	49	88	70	85	85	81
278	87	8	88	70	85	85	81
279	87	27	89	71	85	85	81
280	87	45	89	70	84	85	80
281	88	4	89	70	84	85	80
282	88	23	89	71	84	85	79
283	88	41	90	70	84	85	81
284	89	0	90	71	85	85	80
285	89	19	90	71	84	85	79
286	89	38	91	71	84	86	79
287	89	56	91	72	83	85	80
288	90	15	91	71	84	85	79
289	90	34	91	71	84	86	80
290	90	53	91	71	83	86	79
291	91	11	91	71	84	86	78
292	91	30	92	71	84	86	79
293	91	49	91	71	83	86	79
294	92	8	91	72	83	86	79
295	92	26	91	72	83	85	79

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17 IN OX ER ET IL .C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C
9	86	84	79	45	45	47	52	55
72	86	83	80	45	45	47	51	55
3	87	84	78	44	45	47	52	56
3	88	84	80	44	45	46	52	56
1	87	84	79	44	45	47	51	56
70	86	84	79	44	45	47	51	55
73	86	84	79	44	45	46	52	56
73	87	84	80	44	45	47	52	56
71	86	84	79	44	45	47	52	55
70	86	84	79	44	45	47	52	55
3	86	84	80	44	45	48	52	56
3	87	84	80	44	45	47	52	56
74	88	84	80	44	45	47	52	56
73	88	84	80	43	45	48	52	57
71	88	84	80	44	45	47	52	57
71	86	84	80	44	45	47	52	56
70	86	84	80	44	44	48	51	56
73	86	85	80	44	45	48	52	56
73	88	85	80	44	45	48	52	57
73	88	85	81	44	45	48	53	57
73	88	85	82	44	45	48	52	57
73	87	85	81	44	45	48	52	58
71	86	85	81	44	45	48	52	56
70	86	85	81	44	45	48	52	56
71	86	85	80	43	46	48	52	56
73	86	85	81	44	46	47	52	57
72	86	85	81	44	45	48	52	57
72	86	85	81	44	45	48	52	57
73	86	85	81	44	45	48	52	58
71	86	85	82	44	45	48	52	57
70	86	85	81	44	46	48	52	56
70	85	85	81	44	45	48	52	57
70	85	85	81	43	46	48	53	56
71	85	85	81	44	45	48	53	57
70	84	85	80	44	45	48	52	56
70	84	85	80	43	45	48	52	56
71	84	85	79	44	46	48	52	57
70	84	85	81	44	45	48	52	57
71	85	85	80	44	45	48	53	58
71	84	85	79	44	46	48	52	58
71	84	86	79	43	46	48	53	58
72	83	85	80	44	46	48	53	58
71	84	85	79	44	46	48	53	57
71	84	86	80	43	46	48	53	57
71	83	86	79	44	46	49	52	57
71	84	86	78	44	46	48	53	56
71	84	86	79	44	46	48	53	57
71	83	86	79	44	46	48	52	57
72	83	86	79	43	46	48	53	56
72	83	85	79	44	46	48	52	57

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C
296	92	45	92	71	83	86	79
297	93	4	92	72	83	85	79
298	93	23	92	71	83	86	79
299	93	41	91	72	82	86	79
300	94	0	91	72	83	86	79
301	94	19	92	73	82	86	79
302	94	37	92	74	83	86	78
303	94	56	91	73	84	86	79
304	95	15	91	74	85	86	80
305	95	34	91	74	85	86	80
306	95	52	90	74	85	87	81
307	96	11	90	73	85	86	82
308	96	30	89	73	85	86	82
309	96	49	90	71	84	86	80
310	97	1	89	71	84	87	80
311	97	13	90	71	83	86	81
312	97	25	90	73	83	86	81
313	97	37	90	71	83	86	81
314	97	56	90	71	83	86	81
315	98	15	90	73	83	87	81
316	98	33	90	74	85	86	81
317	98	52	90	72	84	86	81
318	99	11	89	73	83	87	81
319	99	29	89	72	83	86	81
320	99	48	89	73	83	86	81
321	100	7	89	73	83	86	81
322	100	26	89	70	82	86	81
323	100	44	89	73	83	87	81
324	101	3	89	73	83	86	81
325	101	22	89	71	83	87	82
326	101	40	89	71	83	88	81
327	101	59	89	73	83	87	82
328	102	18	89	73	84	87	82
329	102	37	89	70	84	86	81
330	102	55	89	70	83	87	82
331	103	14	89	73	83	86	81
332	103	33	89	73	83	87	82
333	103	52	88	73	84	87	82
334	104	10	89	71	83	87	82
335	104	29	89	72	82	87	82
336	104	48	89	73	83	87	82
337	105	6	89	72	83	87	83
338	105	25	88	70	82	88	82
339	105	44	88	72	82	87	81
340	106	3	89	73	82	87	82
341	106	21	88	70	82	87	81
342	106	40	89	69	82	87	81
343	106	59	89	72	82	87	81
344	107	17	89	72	83	88	82
345	107	36	88	70	82	87	81

-17 MAIN BOX LER LET OIL G.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C
71	83	86	79	44	45	48	52	57
72	83	85	79	44	46	48	53	58
71	83	86	79	43	46	48	53	58
72	82	86	79	44	46	48	54	58
72	83	86	79	44	46	49	52	58
73	82	86	79	44	45	48	53	58
74	83	86	78	43	46	48	52	58
73	84	86	79	44	45	49	53	59
74	85	86	80	44	46	48	53	58
74	85	86	80	44	45	48	53	59
74	85	87	81	43	45	49	53	59
73	85	86	82	44	46	49	53	59
73	85	86	82	45	46	49	53	59
71	84	86	80	44	46	49	53	58
71	84	87	80	43	46	49	53	58
71	83	86	81	44	46	49	53	58
73	83	86	81	44	45	48	53	58
71	83	86	81	44	45	49	52	58
71	83	86	81	44	46	49	53	59
73	83	87	81	44	46	48	53	58
74	85	86	81	44	45	49	54	58
72	84	86	81	44	46	49	53	59
73	83	87	81	44	46	49	54	59
72	83	86	81	43	46	49	54	59
73	83	86	81	44	46	49	53	59
73	83	86	81	43	46	49	53	59
70	82	86	81	43	46	49	54	59
73	83	87	81	44	46	49	53	59
73	83	86	81	43	46	49	54	59
71	83	87	82	44	46	49	53	59
71	83	88	81	44	46	49	53	59
73	83	87	82	44	46	49	54	59
73	84	87	82	44	46	49	54	59
70	84	86	81	44	46	49	54	59
70	83	87	82	44	46	48	54	59
73	83	86	81	45	46	49	54	59
73	83	87	82	44	46	49	54	59
73	84	87	82	44	45	49	54	59
71	83	87	82	43	46	49	54	59
72	82	87	82	44	46	49	53	59
73	83	87	82	44	46	49	53	59
72	83	87	83	43	46	49	54	59
70	82	88	82	44	46	49	53	59
72	82	87	81	44	46	49	54	59
73	82	87	82	44	46	49	54	59
70	82	87	81	44	47	49	54	59
69	82	87	81	44	46	49	54	58
72	82	87	81	43	46	49	54	59
72	83	88	82	44	46	49	54	60
70	82	87	81	43	46	49	53	59

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C
346	107	55	88	71	82	88	81
347	108	14	88	73	82	87	82
348	108	32	89	70	82	86	81
349	108	51	89	69	81	87	81
350	109	10	89	68	81	88	81
351	109	28	88	70	81	87	80
352	109	47	89	69	81	87	79
353	110	6	89	69	80	88	79
354	110	25	90	69	80	87	79
355	110	43	89	70	80	87	79
356	111	2	89	71	79	88	78
357	111	21	90	69	80	88	78
358	111	39	89	69	79	87	79
359	111	58	89	70	79	87	78
360	112	17	90	69	80	87	78
361	112	36	89	69	79	88	78
362	112	54	90	69	79	87	78
363	113	13	91	69	79	87	79
364	113	32	90	69	79	87	78
365	113	50	91	69	79	87	79
366	114	9	91	69	79	87	79
367	114	28	91	69	79	88	79
368	114	47	90	70	79	87	78
369	115	5	90	69	79	87	78
370	115	24	91	71	79	87	77
371	115	43	90	70	79	87	78
372	116	1	90	70	78	87	77
373	116	20	90	70	78	87	77
374	116	39	91	70	79	87	77
375	116	57	91	71	78	87	77
376	117	16	91	70	78	87	77
377	117	35	91	71	78	87	77
378	117	54	91	70	78	87	78
379	118	12	91	69	78	86	78
380	118	31	91	71	77	87	76
381	118	50	91	69	78	86	76
382	119	8	91	70	77	87	77
383	119	27	91	69	78	87	76
384	119	46	91	70	78	87	76
385	120	5	91	70	77	87	77
386	120	23	91	70	77	87	77
387	120	42	91	69	78	87	76
388	121	1	91	70	78	87	76
389	121	19	91	70	77	87	76
390	121	38	90	72	77	87	76
391	121	57	91	73	78	86	77
392	122	15	91	72	79	86	77
393	122	34	90	72	79	87	78
394	122	53	90	72	79	87	78
395	123	11	89	71	79	87	78

5-17 MAIN GBOX OLER TLET OIL EG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C
71	82	88	81	44	46	50	54	59
73	82	87	82	43	45	49	53	60
70	82	88	81	43	46	49	54	59
69	81	87	81	43	46	49	54	59
68	81	88	81	44	46	49	54	59
70	81	87	80	43	46	49	53	59
69	81	87	79	43	46	49	54	59
69	80	88	79	43	46	49	54	59
69	80	87	79	42	46	49	54	59
70	80	87	79	42	46	49	54	59
71	79	88	78	43	45	50	54	59
69	80	88	78	42	46	49	54	59
69	79	87	79	42	46	49	54	59
70	79	87	78	42	45	49	54	59
69	80	87	78	42	46	49	54	58
69	79	88	78	42	46	49	54	58
69	79	87	78	42	46	49	53	58
69	79	87	79	42	46	48	54	58
69	79	87	78	42	46	49	54	59
69	79	87	79	42	46	49	53	58
69	79	87	79	42	46	49	54	59
69	79	88	79	42	46	49	53	59
70	79	87	78	42	46	49	53	58
69	79	87	78	42	46	49	54	58
71	79	87	77	42	46	49	53	59
70	79	87	78	42	46	49	54	59
70	78	87	77	42	46	48	53	59
70	78	87	77	42	46	49	53	57
70	79	87	77	42	46	49	53	57
71	78	87	77	42	46	48	53	59
70	78	87	77	42	46	49	53	59
71	78	87	77	42	46	49	53	59
70	78	87	78	42	45	49	52	59
69	78	86	78	42	46	48	53	59
71	77	87	76	42	46	48	53	58
69	78	86	76	42	45	49	53	59
70	77	87	77	41	45	49	53	58
69	78	87	76	41	46	48	53	58
70	78	87	76	42	46	49	53	58
70	77	87	77	41	45	49	53	58
70	77	87	77	41	45	49	54	58
69	78	87	76	42	46	49	53	58
70	78	87	76	41	46	49	52	59
70	77	87	76	42	45	49	53	58
72	77	87	76	41	45	48	53	59
73	78	86	77	41	45	49	54	59
72	79	86	77	41	45	49	53	60
72	79	87	78	41	45	49	53	60
72	79	87	78	42	45	49	53	59
71	79	87	78	41	45	49	52	60

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C
396	123	30	89	72	78	86	79
397	123	49	89	71	79	87	79
398	124	8	88	71	78	87	79
399	124	26	88	71	78	86	81
400	124	45	87	71	78	88	80
401	125	4	88	71	78	87	80
402	125	22	88	70	78	88	80
403	125	41	87	70	78	87	81
404	126	0	88	70	78	87	81
405	126	18	87	70	78	87	81
406	126	37	87	69	78	87	81
407	126	56	86	69	78	88	80
408	127	14	86	69	78	88	81
409	127	33	86	68	78	87	81
410	127	52	86	68	78	88	81
411	128	11	85	68	78	88	81
412	128	29	85	68	78	88	81
413	128	48	85	68	78	87	81
414	129	7	85	66	78	87	81
415	129	25	85	66	76	87	81
416	129	44	85	65	76	87	81
417	130	3	85	66	76	87	80
418	130	21	85	66	76	88	79
419	130	40	85	66	75	87	80
420	130	59	86	66	76	87	79
421	131	17	86	66	76	87	78
422	131	36	86	67	76	87	79
423	131	55	86	69	76	87	79
424	132	14	86	68	77	86	79
425	132	32	86	67	76	87	78
426	132	51	87	67	76	87	79
427	133	10	88	68	76	87	78
428	133	28	88	70	77	88	78
429	133	47	88	71	78	87	79
430	134	6	88	71	78	87	79
431	134	24	88	70	79	88	79
432	134	43	88	70	79	87	79
433	135	2	88	70	79	87	79
434	135	20	88	70	77	87	80
435	135	39	86	70	76	88	81
436	135	58	86	71	77	87	81
437	136	17	86	71	78	86	81
438	136	35	85	71	79	86	82
439	136	54	85	70	79	85	82
440	137	13	85	70	78	85	83
441	137	31	84	71	79	85	83
442	137	50	84	72	72	79	84
443	*	*	*	*	*	*	*

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Speedflex ® Moore Business Forms, Inc. v Pat'd

5-17 MAIN G.BOX OOLER UTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C
72	78	86	79	42	45	49	54	60
71	79	87	79	41	45	49	53	60
71	78	87	79	41	45	49	54	60
71	78	86	81	42	46	49	54	60
71	78	88	80	42	46	49	54	60
71	78	87	80	42	45	49	54	60
70	78	88	80	42	45	49	53	61
70	78	87	81	42	46	49	53	61
70	78	87	81	43	46	49	54	60
70	78	87	81	43	45	49	54	61
69	78	87	81	42	45	49	53	61
69	78	88	80	42	45	50	53	61
69	78	88	81	42	45	49	54	60
68	78	87	81	43	46	49	54	60
68	78	88	81	42	45	49	53	61
68	78	88	81	43	45	50	54	61
68	78	88	81	43	46	49	54	61
68	78	87	81	42	46	49	54	60
56	78	87	81	42	46	50	53	60
66	76	87	81	43	45	49	54	60
65	76	87	81	43	45	49	53	59
66	76	87	80	41	45	49	53	59
66	76	88	79	42	45	49	52	59
66	75	87	80	42	45	49	53	59
66	76	87	79	44	46	48	53	60
66	76	87	78	37	45	49	52	58
67	76	87	79	40	44	49	51	58
69	76	87	79	43	46	49	52	55
68	77	86	79	40	45	49	52	56
67	76	87	78	40	45	49	50	58
67	76	87	79	37	45	48	51	58
68	76	87	78	41	46	49	52	58
70	77	88	78	38	44	48	51	56
71	78	87	79	43	45	48	49	55
71	78	87	79	42	45	48	49	56
70	79	88	79	42	45	48	50	58
70	79	87	79	42	45	47	49	58
70	79	87	79	42	45	47	48	56
70	77	87	80	42	45	47	48	55
70	76	88	81	42	44	47	48	55
71	77	87	81	42	44	47	48	55
71	78	86	81	43	45	47	48	56
71	79	86	82	43	45	46	48	56
70	79	85	82	43	45	46	48	56
70	78	85	83	43	45	47	48	56
71	79	85	83	43	45	47	48	56
72	72	79	84	44	45	46	48	58
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	S-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	S-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	S-29 GEN.2 MASS TEMP DEG.C
1	0	13	28	29	24	27
2	0	32	28	29	24	27
3	*	*	28	29	24	27
4	1	10	28	29	24	27
5	*	*	28	29	24	28
6	1	48	28	29	24	27
7	2	7	28	29	24	28
8	*	*	28	29	24	27
9	*	*	28	29	24	27
10	3	3	28	29	24	27
11	*	*	28	29	24	27
12	*	*	28	29	24	28
13	*	*	28	29	24	28
14	*	*	28	29	24	28
15	*	*	28	29	24	27
16	*	*	28	30	24	27
17	*	*	28	29	24	27
18	*	*	28	29	24	27
19	*	*	28	29	24	28
20	6	13	28	29	24	29
21	6	32	28	29	24	30
22	6	51	28	29	24	30
23	*	*	28	29	24	31
24	*	*	28	30	24	32
25	7	47	28	29	24	32
26	8	6	29	29	24	32
27	*	*	28	29	24	32
28	8	54	31	31	24	36
29	*	*	30	31	24	36
30	9	32	31	31	24	35
31	9	51	31	31	25	35
32	*	*	30	31	24	35
33	*	*	31	31	24	35
34	*	*	31	31	24	35
35	11	6	30	31	24	35
36	*	*	30	31	24	35
37	*	*	30	31	24	35
38	12	2	30	31	24	35
39	12	21	30	31	24	35
40	12	40	30	31	24	35
41	12	59	30	31	24	35
42	*	*	30	31	24	35
43	13	37	30	31	24	35
44	13	56	30	31	24	35
45	*	*	31	31	24	35

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
46	14	33	31	32	24	35
47	14	52	31	32	24	37
48	15	11	31	32	24	37
49	15	30	31	32	24	38
50	*	*	30	32	24	38
51	*	*	31	32	24	39
52	*	*	31	32	24	40
53	16	45	32	32	24	41
54	17	4	31	32	25	41
55	17	23	31	32	24	42
56	17	42	31	32	24	43
57	18	0	31	33	24	44
58	18	19	31	33	24	44
59	18	38	31	33	24	45
60	18	57	31	33	24	45
61	19	16	31	32	24	46
62	19	34	31	32	24	47
63	19	53	31	32	24	48
64	20	12	31	32	24	49
65	20	31	31	32	24	50
66	20	50	31	32	24	50
67	20	29	32	33	24	51
68	21	27	32	33	24	52
69	21	46	32	33	24	52
70	22	5	32	34	24	53
71	22	24	32	35	24	54
72	22	43	32	34	24	54
73	23	1	33	36	24	55
74	23	20	33	35	24	56
75	23	39	33	36	24	57
76	23	58	33	36	24	57
77	24	17	34	36	24	57
78	24	35	34	36	24	59
79	24	54	34	37	25	59
80	25	13	34	37	24	59
81	25	32	34	37	24	59
82	25	51	35	38	24	61
83	26	9	35	36	24	61
84	26	28	34	37	24	62
85	26	47	35	38	24	62
86	27	6	36	37	24	62
87	27	25	36	39	24	64
88	27	43	35	38	24	64
89	28	2	36	40	24	64
90	28	21	36	38	25	65
91	28	40	36	39	25	65
92	28	59	36	38	24	65
93	29	17	37	40	24	66
94	29	36	38	40	24	68
95	29	55	37	39	25	67

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
96	30	14	38	40	24	67
97	30	33	37	41	24	66
98	30	51	38	40	24	69
99	31	10	39	41	24	69
100	31	29	38	41	24	69
101	31	48	39	40	24	71
102	32	7	39	42	25	69
103	32	25	38	41	24	69
104	32	44	39	41	24	70
105	33	3	39	41	24	70
106	33	22	39	42	25	71
107	33	40	39	42	24	71
108	33	59	39	42	24	71
109	34	18	39	42	24	72
110	34	37	39	43	24	72
111	34	56	40	43	25	71
112	35	14	40	43	25	71
113	35	33	40	43	25	71
114	35	52	40	44	24	72
115	36	11	40	44	24	72
116	36	30	41	45	25	73
117	36	48	41	45	24	72
118	37	7	41	45	24	73
119	37	26	42	44	25	73
120	37	45	41	44	25	73
121	38	4	41	44	24	74
122	38	22	41	45	24	74
123	38	41	41	45	24	74
124	39	0	41	45	24	74
125	39	19	42	45	24	74
126	39	37	42	45	24	75
127	39	56	42	45	24	75
128	40	15	42	45	25	75
129	40	34	44	44	24	75
130	40	53	43	43	25	74
131	41	11	44	42	24	74
132	41	30	44	43	25	74
133	41	49	44	45	24	75
134	42	8	44	44	24	75
135	42	26	45	45	24	74
136	42	45	44	44	24	75
137	43	4	45	45	24	75
138	43	23	44	44	24	74
139	43	42	45	44	24	75
140	44	0	45	45	25	75
141	44	19	45	44	25	75
142	44	38	45	44	25	74
143	44	57	46	45	25	75
144	45	15	46	45	24	75
145	45	34	46	45	25	74

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
146	45	53	46	45	25	75
147	46	12	46	44	25	74
148	46	31	46	47	24	75
149	46	49	46	46	25	74
150	47	8	47	46	24	74
151	47	27	48	46	25	75
152	47	46	47	46	25	74
153	48	4	47	45	25	75
154	48	23	47	48	25	74
155	48	42	48	45	24	75
156	49	1	48	45	25	75
157	49	19	48	45	25	75
158	49	38	48	46	25	75
159	49	57	48	48	25	76
160	50	16	47	48	25	75
161	50	34	47	49	24	76
162	50	53	47	49	24	76
163	51	12	48	48	24	77
164	51	31	48	47	25	76
165	51	50	49	46	24	76
166	52	8	48	46	25	76
167	52	27	48	47	25	76
168	52	46	48	48	25	76
169	53	5	49	46	25	76
170	53	23	49	47	25	75
171	53	42	49	46	25	76
172	54	1	49	46	24	75
173	54	20	49	48	25	76
174	54	38	50	46	25	75
175	54	57	50	47	24	76
176	55	16	50	48	25	76
177	55	35	51	49	25	75
178	55	53	50	47	25	76
179	56	12	50	49	24	76
180	56	31	50	48	25	75
181	56	50	51	47	25	76
182	57	9	51	47	25	76
183	57	27	51	48	25	76
184	57	46	51	47	24	76
185	58	5	51	48	25	76
186	58	24	51	48	25	76
187	58	42	51	48	25	76
188	59	1	51	48	25	76
189	59	20	52	48	25	76
190	59	39	52	48	25	76
191	59	57	52	48	25	76
192	60	16	52	48	24	76
193	60	35	52	49	25	77
194	60	54	52	50	25	76
195	61	12	52	47	25	76

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
196	61	31	52	47	25	76
197	61	50	52	46	25	76
198	62	9	53	48	25	76
199	62	27	52	47	25	77
200	62	46	53	48	25	77
201	63	5	53	48	25	76
202	63	24	53	51	25	76
203	63	42	52	48	25	77
204	64	1	53	48	25	77
205	64	20	53	49	25	77
206	64	39	53	48	25	77
207	64	57	53	48	25	77
208	65	16	54	48	25	77
209	65	35	52	50	25	77
210	65	53	52	51	25	78
211	66	12	53	50	25	78
212	66	31	54	48	25	77
213	66	50	54	48	25	78
214	67	9	53	49	25	77
215	67	27	52	52	25	78
216	67	46	52	52	25	78
217	68	5	54	50	25	79
218	68	23	53	49	25	78
219	68	42	54	48	25	78
220	69	1	54	48	25	79
221	69	20	54	48	26	78
222	69	39	54	49	25	78
223	69	57	53	51	25	78
224	70	16	52	52	25	79
225	70	35	53	54	25	79
226	70	54	52	54	25	79
227	71	12	52	55	25	79
228	71	31	52	55	25	79
229	71	50	53	55	25	80
230	72	8	52	55	25	80
231	72	27	52	55	25	81
232	72	46	54	52	25	80
233	73	5	54	51	26	80
234	73	23	54	52	25	80
235	73	42	53	53	25	80
236	74	1	52	55	26	80
237	74	20	54	51	25	80
238	74	38	55	50	25	81
239	74	57	55	50	25	81
240	75	16	54	52	26	81
241	75	34	54	52	26	81
242	75	53	54	53	25	82
243	76	12	55	52	25	81
244	76	31	55	51	26	81
245	76	49	56	49	26	81

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	S-27 R.ELEC COMPT RIGHT FWD AIR TEMP DEG.C	S-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	S-29 GEN.2 MASS TEMP DEG.C
246	77	8	55	49	26	81
247	77	27	55	51	25	81
248	77	46	54	53	26	82
249	78	4	54	54	26	82
250	78	23	55	51	26	82
251	78	42	55	49	25	81
252	79	1	56	52	26	81
253	79	19	55	54	26	82
254	79	38	56	50	26	81
255	79	57	56	49	26	82
256	80	15	56	52	26	81
257	80	34	55	53	26	82
258	80	53	55	52	26	82
259	81	12	55	54	26	82
260	81	30	55	52	26	82
261	81	49	56	50	27	82
262	82	8	56	50	26	82
263	82	27	56	52	26	82
264	82	45	56	53	26	83
265	83	4	56	52	26	83
266	83	23	56	53	26	83
267	83	42	55	52	26	84
268	84	0	57	50	27	83
269	84	19	57	50	26	83
270	84	38	57	52	26	82
271	84	57	56	53	27	83
272	85	15	56	53	26	83
273	85	34	56	54	27	84
274	85	53	55	54	26	83
275	86	12	56	52	26	84
276	86	30	58	49	26	83
277	86	49	57	49	26	82
278	87	8	57	49	26	83
279	87	27	57	48	26	83
280	87	45	58	49	26	82
281	88	4	57	49	26	82
282	88	23	57	50	26	82
283	88	41	58	48	26	82
284	89	0	58	48	27	82
285	89	19	58	48	26	82
286	89	38	57	48	27	81
287	89	56	57	48	27	82
288	90	15	58	49	27	82
289	90	34	58	49	27	82
290	90	53	58	48	26	81
291	91	11	57	46	26	82
292	91	30	58	48	27	81
293	91	49	58	48	26	81
294	92	8	57	47	27	81
295	92	26	57	48	26	81

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN,2 MASS TEMP DEG.C
296	92	45	58	49	26	82
297	93	4	58	48	27	81
298	93	23	57	48	27	81
299	93	41	57	48	26	81
300	94	0	58	49	26	81
301	94	19	57	52	26	81
302	94	37	56	52	26	81
303	94	56	57	54	27	82
304	95	15	57	55	26	82
305	95	34	57	56	27	82
306	95	52	56	56	27	82
307	96	11	56	56	27	83
308	96	30	56	56	27	83
309	96	49	57	53	27	83
310	97	1	58	51	26	83
311	97	13	58	53	27	83
312	97	25	57	55	27	82
313	97	37	57	54	27	82
314	97	56	58	52	27	83
315	98	15	57	52	27	83
316	98	33	57	54	27	83
317	98	52	57	52	27	83
318	99	11	57	54	27	83
319	99	29	58	52	27	84
320	99	48	56	55	27	83
321	100	7	57	55	27	83
322	100	26	58	51	27	84
323	100	44	58	54	27	83
324	101	3	57	54	27	83
325	101	22	57	51	27	83
326	101	40	58	51	27	83
327	101	59	58	53	27	83
328	102	18	58	55	27	83
329	102	37	58	51	28	83
330	102	55	58	49	27	83
331	103	14	59	53	27	83
332	103	33	58	55	27	84
333	103	52	58	55	27	84
334	104	10	59	52	27	84
335	104	29	58	52	27	84
336	104	48	59	56	27	85
337	105	6	58	52	27	84
338	105	25	59	50	27	83
339	105	44	58	54	27	84
340	106	3	58	54	27	84
341	106	21	58	50	27	83
342	106	40	59	49	27	84
343	106	59	59	52	27	83
344	107	17	58	54	27	83
345	107	36	59	50	27	83

-01 SHEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
346	107	55	59	51	27	83
347	108	14	58	53	27	83
348	108	32	58	51	27	83
349	108	51	59	49	27	83
350	109	10	59	48	27	83
351	109	28	59	47	27	83
352	109	47	59	48	28	82
353	110	6	59	48	27	82
354	110	25	59	47	27	81
355	110	43	59	48	27	81
356	111	2	58	48	27	81
357	111	21	58	47	27	81
358	111	39	58	48	27	81
359	111	58	58	46	27	80
360	112	17	58	46	27	80
361	112	36	58	48	27	80
362	112	54	58	46	28	80
363	113	13	58	46	28	79
364	113	32	58	47	28	81
365	113	50	58	46	28	81
366	114	9	58	46	28	81
367	114	28	58	46	27	80
368	114	47	58	46	28	80
369	115	5	58	46	28	80
370	115	24	58	46	28	81
371	115	43	58	46	28	79
372	116	1	57	45	28	79
373	116	20	57	48	27	79
374	116	39	58	48	28	80
375	116	57	58	48	28	79
376	117	16	58	48	28	79
377	117	35	58	48	28	79
378	117	54	57	48	28	79
379	118	12	58	48	28	79
380	118	31	58	48	28	78
381	118	50	57	48	28	78
382	119	8	57	48	27	79
383	119	27	58	47	28	78
384	119	46	57	46	29	78
385	120	5	58	47	28	78
386	120	23	58	47	29	79
387	120	42	58	49	29	79
388	121	1	58	48	29	78
389	121	19	58	46	30	78
390	121	38	57	50	30	78
391	121	57	57	51	30	78
392	122	15	57	52	30	80
393	122	34	58	51	31	79
394	122	53	58	52	31	80
395	123	11	57	53	31	81

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
396	123	30	56	55	32	81
397	123	49	57	55	32	81
398	124	8	58	55	32	81
399	124	26	58	55	32	82
400	124	45	58	52	32	81
401	125	4	58	50	32	81
402	125	22	58	49	32	82
403	125	41	58	49	33	81
404	126	0	58	50	33	82
405	126	18	58	50	33	82
406	126	37	58	52	33	82
407	126	56	56	54	33	82
408	127	14	57	53	33	82
409	127	33	58	55	33	83
410	127	52	58	54	33	82
411	128	11	58	52	33	82
412	128	29	58	54	33	82
413	128	48	58	54	33	83
414	129	7	58	54	33	84
415	129	25	58	48	33	82
416	129	44	58	48	33	82
417	130	3	58	45	33	82
418	130	21	58	48	33	82
419	130	40	58	48	33	81
420	130	59	57	48	33	81
421	131	17	59	52	33	81
422	131	36	57	54	33	81
423	131	55	56	56	32	81
424	132	14	57	55	33	81
425	132	32	58	52	33	80
426	132	51	57	55	33	80
427	133	10	57	56	33	80
428	133	28	57	55	32	80
429	133	47	56	52	33	79
430	134	6	56	51	33	81
431	134	24	58	49	33	81
432	134	43	56	49	33	82
433	135	2	54	48	32	81
434	135	20	54	48	33	82
435	135	39	53	48	33	81
436	135	58	53	48	33	82
437	136	17	53	48	33	82
438	136	35	52	48	33	82
439	136	54	53	48	33	82
440	137	13	52	48	33	82
441	137	31	52	48	32	82
442	137	50	52	47	33	83
443	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
1	0	15	30	30	29	35	30
2	0	34	29	31	29	35	29
3	*	*	30	31	29	36	30
4	*	*	30	31	29	35	29
5	1	31	29	31	29	35	30
6	*	*	30	31	29	36	30
7	*	49	29	31	29	36	29
8	*	8	30	31	29	36	29
9	*	*	29	31	29	35	29
10	3	6	30	31	29	36	29
11	*	*	29	31	29	35	29
12	*	24	29	31	29	36	30
13	*	*	29	30	29	35	29
14	4	21	29	31	29	35	29
15	*	*	29	30	29	35	30
16	*	*	29	31	29	36	29
17	5	18	30	31	29	36	30
18	*	*	29	31	29	36	30
19	*	36	29	30	29	35	29
20	*	55	29	29	29	35	30
21	*	14	29	29	29	35	29
22	*	33	30	30	30	36	30
23	*	*	31	30	30	35	29
24	7	31	30	30	29	36	30
25	*	*	30	31	29	36	30
26	8	9	30	31	29	36	30
27	*	*	29	31	29	35	29
28	*	*	32	32	31	37	31
29	9	15	32	32	31	37	32
30	9	34	32	32	31	37	31
31	*	*	32	32	31	37	32
32	10	12	32	32	31	37	32
33	10	31	31	31	31	37	31
34	10	49	31	31	31	36	31
35	*	*	31	31	31	37	31
36	*	7	31	31	31	36	31
37	*	26	31	32	31	36	31
38	*	45	31	32	31	36	32
39	*	4	31	32	31	36	31
40	*	*	31	32	31	37	31
41	13	1	31	31	31	36	31
42	13	20	32	32	31	37	32
43	13	39	31	31	31	36	31
44	13	58	31	31	31	37	31
45	*	*	31	31	31	36	31

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

6-06 ENG.2 FUEL CTRL INLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
30	29	35	30	29	31	32	39	39
31	29	35	29	29	32	32	39	39
31	29	36	30	29	31	32	39	38
31	29	35	29	29	31	32	39	38
31	29	35	30	29	31	32	39	38
31	29	36	30	29	31	32	39	39
31	29	36	29	29	31	32	39	38
31	29	36	29	29	31	32	39	38
31	29	35	29	29	31	32	39	39
31	29	36	29	29	31	32	39	39
31	29	35	29	29	31	32	39	39
31	29	36	30	29	31	32	39	39
30	29	35	29	29	31	31	39	38
31	29	35	29	29	31	31	39	38
30	29	35	30	29	31	31	39	38
31	29	36	29	29	31	32	39	39
31	29	36	30	29	32	32	39	38
31	29	36	30	29	31	32	39	38
30	29	35	29	29	31	32	39	39
29	29	35	30	29	31	32	39	39
29	29	35	29	30	31	32	39	39
30	30	36	30	29	32	31	39	39
30	30	35	29	29	31	32	39	39
30	29	36	30	29	32	32	39	39
31	29	36	30	29	32	32	39	39
31	29	36	30	29	31	32	39	39
31	29	35	29	29	31	32	39	39
32	31	37	31	31	32	32	39	39
32	31	37	32	31	32	33	39	39
32	31	37	31	31	32	32	39	39
32	31	37	32	31	32	33	39	39
32	31	37	32	31	32	32	39	39
31	31	37	31	31	32	33	39	39
31	31	36	31	31	32	32	39	38
31	31	37	31	31	32	32	38	38
31	31	36	31	31	32	32	39	38
32	31	36	31	31	32	32	39	38
32	31	36	32	31	32	32	39	38
32	31	36	31	31	32	32	39	38
32	31	37	31	31	32	32	39	38
31	31	36	31	31	32	32	39	39
32	31	37	32	31	32	32	38	38
31	31	36	31	31	32	32	39	38
31	31	37	31	31	32	33	38	39
31	31	36	31	31	32	33	39	38

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
46	*	15	31	32	32	36	31
47	*	34	31	33	31	37	32
48	*	53	31	32	31	37	32
49	*	12	32	31	32	37	32
50	*	51	32	33	31	36	32
51	*	*	32	32	31	37	32
52	16	27	32	33	32	36	32
53	16	47	32	31	32	37	32
54	17	6	32	32	32	36	32
55	17	25	31	31	31	37	32
56	17	44	31	33	31	36	32
57	18	3	31	31	31	36	32
58	18	21	31	31	31	36	32
59	18	40	32	32	31	36	32
60	18	59	32	30	31	36	32
61	19	18	32	32	31	36	31
62	19	37	31	32	31	36	32
63	19	56	32	31	31	37	32
64	20	14	32	31	32	37	32
65	20	33	31	33	32	37	32
66	20	52	32	31	32	37	32
67	21	11	32	31	32	37	32
68	21	30	32	32	31	37	32
69	21	48	32	31	31	37	32
70	22	7	32	33	31	37	32
71	22	26	32	32	31	36	32
72	22	45	32	31	31	37	32
73	23	4	31	33	32	38	32
74	23	22	32	32	32	38	32
75	23	41	32	31	32	37	33
76	24	0	32	32	32	37	32
77	24	19	32	32	32	37	32
78	24	38	32	33	32	38	32
79	24	57	32	31	32	37	32
80	25	15	33	32	32	36	32
81	25	34	33	31	32	37	32
82	25	53	32	33	32	38	32
83	26	12	33	33	32	38	33
84	26	31	33	31	32	37	32
85	26	49	33	33	32	38	32
86	27	8	33	33	32	38	33
87	27	27	33	34	32	37	33
88	27	46	33	32	32	37	32
89	28	5	33	33	32	38	33
90	28	23	34	32	32	38	33
91	28	42	33	32	33	36	33
92	29	1	34	33	33	37	32
93	29	20	35	34	34	38	33
94	29	38	37	34	35	38	33
95	29	57	38	35	36	38	33

6-06 ENG.2 FUEL NTRL TLET TEMP EG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
32	32	36	31	31	32	33	39	38
33	31	37	32	31	32	32	39	39
32	31	37	32	31	32	33	39	38
31	32	37	32	31	32	33	39	40
33	31	36	32	31	32	33	39	39
32	31	37	32	31	32	33	39	39
33	32	36	32	32	32	33	40	39
31	32	37	32	31	32	33	39	39
32	32	36	32	32	33	33	39	39
31	31	37	32	31	32	33	39	39
33	31	36	32	31	32	33	39	38
31	31	36	32	31	32	33	39	39
31	31	36	32	31	32	33	40	39
32	31	36	32	31	32	32	40	39
30	31	36	32	31	32	32	39	39
32	31	36	31	32	32	33	39	39
32	31	36	32	31	32	33	40	39
31	31	37	32	31	32	34	40	39
31	32	37	32	31	32	33	40	39
33	32	37	32	31	32	33	41	39
31	32	37	32	32	32	33	41	39
31	32	37	32	31	32	33	40	39
32	31	37	32	31	32	33	40	39
31	31	37	32	32	33	33	41	40
33	31	37	32	31	33	33	41	40
32	31	36	32	31	32	33	41	41
31	31	37	32	32	33	33	41	41
33	32	38	32	31	32	33	41	40
32	32	38	32	32	33	33	41	40
31	32	37	33	32	32	34	41	41
32	32	37	32	32	33	34	41	41
32	32	37	32	32	33	33	41	41
33	32	38	32	32	33	34	41	40
31	32	37	32	32	33	33	41	40
32	32	36	32	32	33	33	42	41
31	32	37	32	32	33	33	41	41
33	32	38	32	32	33	33	42	40
33	32	38	33	32	33	34	42	41
31	32	37	32	32	33	35	42	41
33	32	38	32	32	33	36	42	41
33	32	38	33	32	33	36	41	41
34	32	37	33	32	33	36	42	41
32	32	37	32	32	33	36	42	41
33	32	38	33	32	32	37	41	41
32	32	38	33	32	33	37	41	41
32	33	36	33	32	33	37	42	41
33	33	37	32	32	33	37	42	41
34	34	38	33	33	33	37	42	42
34	35	38	33	33	34	36	42	42
35	36	38	33	33	33	36	42	41

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
96	30	16	40	33	34	38	33
97	30	35	41	33	33	38	33
98	30	54	42	34	33	38	33
99	31	12	42	33	31	39	34
100	31	31	44	33	31	39	33
101	31	50	44	34	29	39	33
102	32	9	43	34	28	39	34
103	32	28	44	33	28	40	33
104	32	46	43	34	28	41	34
105	33	5	44	34	28	42	34
106	33	24	44	33	28	43	34
107	33	43	44	33	28	44	34
108	34	2	44	34	27	45	35
109	34	20	44	33	28	45	35
110	34	39	45	40	28	46	35
111	34	58	44	45	27	46	35
112	35	17	45	45	28	48	35
113	35	36	47	44	28	48	36
114	35	54	48	44	29	48	36
115	36	13	48	45	29	49	36
116	36	32	48	45	28	51	36
117	36	51	49	45	28	51	36
118	37	9	48	48	29	52	37
119	37	28	49	48	29	52	37
120	37	47	49	46	28	53	37
121	38	6	49	48	29	54	37
122	38	25	49	48	29	54	38
123	38	43	49	48	28	55	38
124	39	2	49	49	29	55	38
125	39	21	50	48	29	56	38
126	39	40	49	48	28	56	39
127	39	58	49	49	28	57	39
128	40	17	49	49	28	58	39
129	40	36	48	47	27	58	39
130	40	55	48	46	27	58	39
131	41	14	46	45	27	59	40
132	41	32	46	46	27	59	40
133	41	51	46	45	28	59	40
134	42	10	46	44	27	59	41
135	42	29	46	45	27	60	41
136	42	48	46	45	27	61	41
137	43	6	45	44	27	61	41
138	43	25	45	44	27	62	41
139	43	44	46	44	27	62	42
140	44	3	46	45	28	63	42
141	44	21	45	45	27	62	42
142	44	40	46	45	28	63	42
143	44	59	45	45	28	64	42
144	45	18	45	44	27	64	43
145	45	36	45	45	27	64	44

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-06 6.2 UEL TRL LET EMP 6.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
33	34	38	33	33	33	36	43	41
33	33	38	33	34	33	36	43	42
34	33	38	33	33	33	36	44	42
33	31	39	34	33	34	37	43	42
33	31	39	33	34	33	37	43	42
34	29	39	33	33	33	37	44	42
34	28	39	34	33	34	38	44	43
33	28	40	33	34	33	39	43	43
34	28	41	34	34	33	39	42	41
34	28	42	34	34	34	39	42	42
33	28	43	34	35	33	39	42	41
33	28	44	34	35	33	39	42	41
34	27	45	35	35	34	39	42	42
38	28	45	35	35	34	40	43	43
0	28	46	35	35	34	41	43	42
5	27	46	35	35	34	42	44	43
5	28	48	35	36	34	43	44	43
4	28	48	36	36	34	44	43	42
4	29	48	36	36	34	44	44	44
5	29	49	36	37	35	45	43	44
5	28	51	36	37	35	45	44	44
5	28	51	36	37	35	46	44	44
6	29	52	37	37	35	46	44	44
6	29	52	37	38	36	47	44	44
6	28	53	37	38	35	48	44	43
6	29	54	37	38	36	47	44	44
6	29	54	38	38	36	48	44	45
6	28	55	38	38	36	48	44	45
6	29	55	38	39	36	48	44	44
6	29	56	38	39	36	49	45	45
6	28	56	39	39	37	49	46	45
6	28	57	39	39	38	49	46	45
6	28	58	39	39	37	49	43	43
6	27	58	39	40	38	49	43	42
6	27	58	39	40	38	49	42	42
6	27	59	40	40	39	49	42	42
6	27	59	40	40	39	50	42	42
6	28	59	40	40	39	50	42	42
6	27	59	41	41	39	50	42	42
6	27	60	41	41	40	50	42	42
6	27	61	41	41	40	50	42	42
6	27	61	41	41	41	50	42	42
6	27	62	41	41	41	50	42	43
6	27	62	42	41	41	51	42	42
6	28	63	42	42	41	51	43	42
6	27	62	42	42	41	51	44	42
6	28	63	42	42	42	51	44	42
6	28	64	42	43	42	51	43	43
6	27	64	43	42	43	51	43	43
6	27	64	44	43	42	51	44	43

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
146	45	55	45	45	27	64	44
147	46	14	45	44	27	65	44
148	46	33	46	44	28	66	44
149	46	52	45	45	27	65	44
150	47	10	45	45	28	66	44
151	47	29	45	45	27	66	44
152	47	48	45	45	27	66	44
153	48	7	46	45	28	67	44
154	48	25	45	45	27	66	45
155	48	44	45	46	28	67	45
156	49	3	46	45	27	68	45
157	49	22	46	45	27	68	45
158	49	40	46	46	28	68	46
159	49	59	48	48	29	69	45
160	50	18	49	50	29	69	46
161	50	37	49	49	29	70	46
162	50	56	49	49	29	70	46
163	51	14	49	48	29	71	46
164	51	33	46	45	27	70	47
165	51	52	45	45	27	70	47
166	52	11	45	44	27	69	47
167	52	29	46	42	28	71	47
168	52	48	45	42	27	70	47
169	53	7	45	44	27	69	48
170	53	26	45	42	27	69	48
171	53	44	45	43	27	70	48
172	54	3	44	41	27	70	48
173	54	22	45	42	28	70	49
174	54	41	45	43	27	70	48
175	54	59	46	44	28	70	48
176	55	18	48	44	29	71	49
177	55	37	49	44	29	71	48
178	55	56	50	43	31	70	49
179	56	13	50	42	30	71	49
180	56	33	50	43	30	70	49
181	56	52	49	43	29	70	48
182	57	11	49	42	28	71	49
183	57	30	49	42	29	71	49
184	57	48	50	42	29	71	49
185	58	7	50	42	29	71	49
186	58	26	51	42	29	70	50
187	58	45	50	43	29	71	49
188	59	3	49	43	28	72	50
189	59	22	50	44	29	70	49
190	59	41	50	42	29	71	49
191	60	0	51	44	29	70	50
192	60	18	48	46	27	71	50
193	*	*	47	46	27	71	51
194	60	56	46	48	27	71	51
195	61	15	46	48	28	71	50

6-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
G.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
UEL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
TRL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
LET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
EMP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
45	27	64	44	43	43	51	43	42
44	27	65	44	43	43	51	44	43
44	28	66	44	43	43	52	43	43
45	27	65	44	44	43	52	43	43
45	28	66	44	44	44	51	43	43
45	27	66	44	44	44	52	44	43
45	27	66	44	44	44	52	43	43
46	28	67	44	44	45	52	44	43
45	27	66	45	44	45	52	44	42
46	28	67	45	44	45	52	44	43
45	27	68	45	45	45	52	44	44
45	27	68	45	45	46	52	44	42
46	28	68	46	45	45	53	44	44
48	29	69	45	46	45	54	46	46
50	29	69	46	45	45	53	46	46
49	29	70	46	46	46	53	46	45
49	29	70	46	45	46	52	45	45
48	29	71	46	46	46	51	44	44
45	27	70	47	46	48	52	44	43
45	27	70	47	46	48	51	44	43
44	27	69	47	46	48	52	44	44
42	28	71	47	47	48	52	44	44
42	27	70	47	47	48	52	44	44
44	27	69	48	47	48	53	44	43
42	27	69	48	47	49	53	44	44
43	27	70	48	48	49	53	45	44
41	27	70	48	48	49	53	45	45
42	28	70	49	48	49	54	44	44
43	27	70	48	48	50	54	45	44
44	28	70	48	48	51	53	45	44
44	29	71	49	48	50	54	45	45
44	29	71	48	48	51	54	45	44
43	31	70	49	48	51	54	45	44
42	30	71	49	48	51	54	45	44
43	30	70	49	48	51	54	45	44
43	29	70	48	49	51	54	45	45
42	28	71	49	49	51	54	45	44
42	29	71	49	49	52	54	45	44
42	29	71	49	49	52	54	44	44
42	29	71	49	49	52	54	44	44
42	29	70	50	49	53	54	45	45
43	29	71	49	49	52	54	44	44
43	28	72	50	50	52	54	44	43
44	29	70	49	49	53	54	45	44
42	29	71	49	49	53	54	45	44
44	29	70	50	49	54	54	45	44
46	27	71	50	49	54	55	44	44
46	27	71	51	50	54	54	44	44
48	27	71	51	50	53	55	45	45
48	28	71	50	50	54	54	44	44

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6- ENG LO ISO M AFTO DEG
196	61	33	45	48	27	71	51	5
197	61	52	45	50	27	71	51	5
198	62	11	45	48	27	71	51	5
199	62	30	45	50	27	72	51	5
200	62	48	45	49	27	71	51	5
201	63	7	45	51	27	71	51	5
202	63	26	46	51	28	72	51	5
203	63	45	47	50	28	72	51	5
204	64	3	48	49	29	72	51	5
205	64	22	48	47	29	73	51	5
206	64	41	48	48	29	72	51	5
207	65	0	47	49	28	73	51	5
208	65	18	46	51	28	73	51	5
209	65	37	48	49	29	73	51	5
210	65	56	50	48	29	73	52	5
211	66	11	48	48	29	73	52	5
212	66	33	47	51	27	74	52	5
213	66	52	45	52	27	73	52	5
214	67	11	47	54	28	74	52	5
215	67	30	49	51	30	74	52	5
216	67	48	49	52	29	75	52	5
217	68	7	46	53	28	73	52	5
218	68	26	45	54	28	74	52	5
219	68	44	45	54	27	73	52	5
220	69	3	45	55	28	73	52	5
221	69	22	45	56	28	74	53	5
222	69	41	46	57	27	74	52	5
223	70	0	47	56	28	75	52	5
224	70	18	47	57	28	75	52	5
225	70	37	48	59	29	76	53	5
226	70	56	49	57	29	76	52	5
227	71	14	48	57	29	76	53	5
228	71	33	48	58	29	76	52	5
229	71	52	48	58	28	76	53	5
230	72	11	48	59	28	77	53	5
231	72	29	48	59	28	77	53	5
232	72	48	46	04	28	77	53	5
233	73	7	46	59	27	76	53	5
234	73	26	48	58	29	77	53	5
235	73	44	49	57	30	77	52	5
236	74	3	49	56	29	78	53	5
237	74	22	47	58	28	77	54	5
238	74	41	46	58	28	76	53	5
239	74	59	48	58	29	77	53	5
240	75	18	49	57	29	77	53	5
241	75	37	51	55	31	77	54	5
242	75	55	51	54	31	77	54	5
243	76	14	49	55	29	76	54	5
244	76	33	47	54	28	76	54	5
245	76	52	46	55	27	76	54	5

6-06 5.2 UEL TRL LET EMP C.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
48	27	71	51	50	54	54	45	44
50	27	71	51	50	54	54	45	44
48	27	71	51	51	54	54	45	44
50	27	72	51	51	54	53	45	44
49	27	71	51	51	55	54	45	44
51	27	71	51	51	55	54	45	44
51	28	72	51	50	54	53	45	44
50	28	72	51	51	54	53	44	44
49	29	72	51	51	54	53	44	44
47	29	73	51	50	55	52	44	44
48	29	72	51	51	55	53	44	44
49	28	73	51	51	55	53	44	44
51	28	73	51	51	55	54	44	44
49	29	73	51	51	55	53	44	44
48	29	73	52	51	55	53	44	44
50	29	73	52	51	55	52	44	44
51	27	74	52	51	55	53	44	44
52	27	73	52	51	55	52	44	44
54	28	74	52	51	55	53	45	45
51	30	74	52	51	55	54	47	47
52	29	75	52	51	55	54	47	46
53	28	73	52	52	55	53	45	44
54	28	74	52	52	55	53	45	45
54	27	73	52	52	55	52	44	45
55	28	73	52	52	55	52	44	44
56	28	74	53	52	56	53	44	44
57	27	74	52	52	56	52	44	45
56	28	75	52	52	55	53	45	45
57	28	75	52	52	55	53	46	46
59	29	76	53	52	55	53	47	46
57	29	76	52	52	55	54	47	46
57	29	76	53	52	55	52	46	46
58	29	76	52	51	55	54	47	47
58	28	76	53	52	55	53	48	46
59	28	77	53	52	55	53	48	47
59	28	77	53	52	55	53	47	46
61	28	77	53	52	55	52	45	44
59	27	76	53	52	56	52	44	44
58	29	77	53	52	55	54	45	46
57	30	77	52	52	55	54	46	46
56	29	78	53	52	55	54	47	47
58	28	77	54	52	56	52	45	44
58	28	76	53	53	56	52	44	44
58	29	77	53	52	56	54	45	45
57	29	77	53	53	55	54	47	46
55	31	77	54	52	55	54	48	48
54	31	77	54	53	55	54	48	47
55	29	76	54	53	56	52	47	45
54	28	76	54	53	56	52	45	44
55	27	76	54	53	56	52	44	43

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
246	77	10	46	55	28	76	54
247	77	29	48	54	29	76	54
248	77	48	49	52	30	76	54
249	78	7	49	54	29	76	54
250	78	25	47	55	28	75	54
251	78	44	46	55	28	76	54
252	79	3	49	53	29	75	54
253	79	20	49	55	29	76	54
254	79	40	48	56	28	75	54
255	79	59	46	56	28	75	55
256	80	18	49	55	29	76	54
257	80	36	49	55	30	75	54
258	80	55	50	56	29	76	54
259	81	14	51	53	31	76	54
260	81	33	48	54	28	75	54
261	81	51	47	54	27	75	54
262	82	10	48	55	28	75	54
263	82	29	50	53	30	76	55
264	82	48	51	53	31	76	54
265	83	6	52	53	32	75	55
266	83	25	52	53	32	76	55
267	83	44	51	53	30	76	54
268	84	3	48	53	28	75	55
269	84	21	46	55	28	75	55
270	84	40	48	54	28	75	55
271	84	59	49	52	30	75	55
272	85	18	51	52	30	76	55
273	85	36	52	51	31	75	55
274	85	55	52	53	31	75	55
275	86	14	49	55	28	75	55
276	86	33	47	56	28	75	55
277	86	51	46	56	28	74	55
278	87	10	46	58	28	74	56
279	87	29	46	57	28	74	55
280	87	48	45	57	28	74	55
281	88	6	45	57	28	74	55
282	88	25	45	58	28	74	55
283	88	44	45	58	28	75	56
284	88	59	45	56	28	74	55
285	89	21	45	58	28	75	55
286	89	40	45	59	28	75	56
287	89	59	45	57	28	75	55
288	90	17	45	59	28	76	56
289	90	36	45	59	29	75	55
290	90	55	45	59	28	76	56
291	91	14	45	58	28	75	56
292	91	32	45	59	28	76	55
293	91	51	44	58	28	75	56
294	92	10	45	57	28	75	55
295	92	29	44	58	29	76	56

6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
28	76	54	52	55	52	44	44
29	76	54	54	55	54	47	46
30	76	54	53	56	54	49	48
29	76	54	53	55	54	48	46
28	75	54	53	56	52	45	44
28	76	54	54	56	52	45	44
29	75	54	53	56	54	48	48
29	76	54	53	56	54	47	47
28	75	54	54	56	53	45	45
28	75	55	54	56	52	45	45
29	76	54	54	56	54	48	48
30	75	54	54	56	54	48	46
29	76	54	54	55	54	48	48
31	76	54	53	55	55	48	47
28	75	54	53	56	53	46	46
27	75	54	53	56	52	45	45
28	75	54	54	56	54	45	45
30	76	55	54	56	55	48	48
31	76	54	54	56	55	49	50
32	75	55	54	56	55	51	49
32	76	55	54	56	55	50	50
30	76	54	54	56	55	48	48
28	75	55	54	56	53	46	45
28	75	55	54	56	53	45	45
28	75	55	54	56	53	45	45
30	75	55	54	56	54	48	48
30	76	55	54	56	55	49	48
31	75	55	54	56	56	51	50
31	75	55	54	56	56	49	49
28	75	55	54	57	54	46	45
28	75	55	54	57	52	45	45
28	74	55	55	57	53	44	44
28	74	56	54	56	52	44	44
28	74	55	55	57	52	43	44
28	74	55	54	57	52	44	44
28	74	55	54	57	52	44	44
28	74	55	54	56	53	43	44
28	75	56	54	57	52	44	43
28	74	55	55	56	52	44	44
28	75	55	54	56	52	44	45
28	75	56	55	57	52	44	44
28	75	55	55	57	52	44	45
28	76	56	55	57	52	44	44
29	75	55	54	56	52	44	44
28	76	56	54	56	51	44	44
28	75	56	55	56	51	44	44
28	76	55	55	56	51	44	44
28	75	56	55	56	51	44	44
28	75	55	55	56	52	44	44
29	76	56	55	56	51	44	44

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-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
296	92	47	45	59	28	76	56
297	93	6	45	58	29	76	56
298	93	25	44	59	28	76	56
299	93	44	45	57	28	76	56
300	94	2	46	58	29	76	55
301	94	21	48	57	30	77	56
302	94	40	49	55	31	78	56
303	94	58	49	55	31	77	56
304	95	17	51	54	31	78	56
305	95	36	51	55	31	78	56
306	95	55	52	55	31	78	56
307	96	13	52	56	32	78	56
308	96	32	52	55	31	79	56
309	*	*	*	*	*	*	*
310	*	*	*	*	*	*	*
311	*	*	*	*	*	*	*
312	*	*	*	*	*	*	*
313	97	39	51	52	29	78	56
314	97	58	52	49	31	78	56
315	98	17	53	51	31	77	56
316	98	35	52	48	32	78	55
317	98	54	53	48	31	76	56
318	99	13	54	49	31	77	56
319	99	32	54	48	32	77	56
320	99	50	53	52	31	76	56
321	100	9	54	49	31	76	56
322	100	28	54	45	32	75	56
323	100	47	54	48	32	76	56
324	101	5	53	50	31	75	56
325	101	24	55	46	32	75	55
326	101	43	55	47	31	75	56
327	102	1	54	51	31	75	56
328	102	20	54	49	31	74	55
329	102	39	55	45	32	73	56
330	102	58	55	45	32	74	56
331	103	16	55	51	31	73	56
332	103	35	54	51	30	73	56
333	103	54	54	49	31	73	55
334	104	12	55	45	32	73	55
335	104	31	55	48	31	73	55
336	104	50	54	51	30	73	55
337	105	9	55	46	32	73	55
338	105	27	55	45	32	72	55
339	105	46	55	49	31	72	55
340	106	5	55	47	32	72	55
341	106	24	56	44	32	72	55
342	106	42	55	44	31	71	55
343	107	1	55	48	31	70	55
344	107	20	55	49	30	71	55
345	107	38	55	46	32	71	55

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-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
G.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
UEL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
TRL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
LET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
EMP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
59	28	76	56	55	56	52	45	44
58	29	76	56	55	56	51	44	44
59	28	76	56	55	56	52	44	44
57	28	76	56	55	56	52	44	43
58	29	76	55	55	56	51	45	45
57	30	77	56	55	55	55	47	47
55	31	78	56	55	55	54	48	48
55	31	77	56	55	55	55	49	48
54	31	78	56	55	56	55	49	48
55	31	78	56	55	56	56	50	49
55	31	78	56	55	55	56	50	49
56	32	78	56	55	55	56	51	49
55	31	79	56	55	56	56	50	49
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
52	29	78	56	55	56	52	45	45
49	31	78	56	55	56	52	45	45
51	31	77	56	55	56	54	46	48
48	32	78	55	55	56	54	47	45
48	31	76	56	55	56	54	46	46
49	31	77	56	55	57	54	46	46
48	32	77	56	55	57	53	46	46
52	31	76	56	55	56	55	48	48
49	31	76	56	55	56	53	46	45
45	32	75	56	55	57	52	45	45
48	32	76	56	55	57	54	46	46
50	31	75	56	55	57	55	48	48
46	32	75	55	55	56	52	45	44
47	31	75	56	55	57	53	46	45
51	31	75	56	55	57	55	47	46
49	31	74	55	55	56	55	48	48
45	32	73	56	55	57	52	46	45
45	32	74	56	55	58	52	45	44
51	31	73	56	55	58	55	47	47
51	30	73	56	55	58	55	48	47
49	31	73	55	55	57	55	48	46
45	32	73	55	55	58	53	45	44
48	31	73	55	55	57	54	45	45
51	30	73	55	55	57	55	46	46
46	32	73	55	55	58	53	45	44
45	32	72	55	55	59	52	44	44
49	31	72	55	55	58	54	45	45
47	32	72	55	55	58	54	45	44
44	32	72	55	55	58	52	43	43
44	31	71	55	54	59	52	43	43
48	31	70	55	54	58	54	45	45
49	30	71	55	54	58	55	46	46
46	32	71	55	54	59	53	44	43

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6 EN L IS AF OI
346	107	57	56	48	32	70	55	
347	108	16	55	48	31	70	55	
348	108	35	55	46	32	70	55	
349	108	53	56	44	32	70	55	
350	109	12	55	42	32	69	55	
351	109	31	56	43	33	68	55	
352	109	49	56	42	32	68	54	
353	110	8	56	42	32	67	54	
354	110	27	56	42	32	66	54	
355	110	46	56	42	32	67	54	
356	111	4	56	42	33	66	54	
357	111	23	56	44	33	66	54	
358	111	42	56	42	33	66	54	
359	112	0	56	42	33	66	54	
360	112	19	56	41	32	65	53	
361	112	38	56	42	31	65	54	
362	112	56	58	42	32	64	54	
363	113	15	56	41	32	65	54	
364	113	34	56	41	33	65	54	
365	113	53	56	44	33	64	53	
366	114	11	56	42	33	64	53	
367	114	30	57	44	33	63	53	
368	114	49	57	42	32	62	53	
369	115	7	57	43	32	63	53	
370	115	26	57	42	32	63	53	
371	115	45	58	43	33	62	53	
372	116	4	58	43	32	62	52	
373	116	22	57	44	33	62	52	
374	116	41	57	41	33	61	52	
375	117	0	57	42	32	62	52	
376	117	18	57	42	33	61	52	
377	117	37	58	44	32	61	52	
378	117	56	56	43	33	61	52	
379	118	15	56	43	33	60	52	
380	118	33	58	41	32	61	52	
381	118	52	57	42	31	61	52	
382	119	11	56	43	32	60	52	
383	119	29	58	42	32	60	52	
384	119	48	57	43	32	59	52	
385	120	7	57	44	34	59	51	
386	120	26	57	45	34	59	52	
387	120	44	56	44	35	59	51	
388	121	3	58	44	35	59	51	
389	121	22	57	44	35	59	51	
390	121	40	56	46	36	59	51	
391	121	59	57	50	35	59	51	
392	122	18	56	51	36	61	51	
393	122	36	56	52	35	60	51	
394	122	55	56	52	36	61	51	
395	123	14	56	53	36	61	51	

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6-06 ENG.2 FUEL CNTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
48	32	70	55	55	59	53	44	43
48	31	70	55	55	59	54	45	44
46	32	70	55	55	59	52	43	42
44	32	70	55	54	59	52	43	42
42	32	69	55	54	59	52	42	42
43	33	68	55	54	59	52	42	42
42	32	68	54	54	59	51	42	42
42	32	67	54	54	59	52	42	41
42	32	66	54	54	59	52	42	42
42	32	67	54	53	59	52	42	41
42	33	66	54	54	59	52	42	41
44	33	66	54	54	60	53	42	42
42	33	66	54	53	59	52	42	41
42	33	66	54	54	59	52	42	42
41	32	65	53	54	59	52	42	41
42	31	65	54	53	60	52	42	41
42	32	64	54	53	60	53	42	42
41	32	65	54	52	60	52	42	41
41	33	65	54	52	61	52	42	42
44	33	64	53	54	61	53	42	41
42	33	64	53	53	60	54	42	42
44	33	63	53	53	60	54	42	42
42	32	62	53	53	61	52	42	42
43	32	63	53	53	60	53	42	41
42	32	63	53	52	61	53	42	41
43	33	62	53	52	60	53	43	42
43	32	62	52	52	60	53	43	41
44	33	62	52	52	61	54	42	42
41	33	61	52	52	61	53	43	42
42	32	62	52	52	61	53	43	42
42	33	61	52	52	61	54	43	41
44	32	61	52	52	61	52	42	42
43	33	61	52	52	61	54	42	42
43	33	60	52	52	61	54	43	41
41	32	61	52	52	61	53	42	41
42	31	61	52	52	61	54	42	43
43	32	60	52	51	61	54	42	42
42	32	60	52	51	61	54	43	41
43	32	59	52	52	61	53	43	42
44	34	59	51	52	62	54	42	42
45	34	59	52	52	62	53	43	42
44	35	59	51	51	62	53	42	42
44	35	59	51	52	62	54	42	42
44	35	59	51	51	61	53	42	42
46	36	59	51	51	61	55	44	43
50	35	59	51	51	61	55	45	44
51	36	61	51	51	60	55	46	45
52	35	60	51	51	61	55	46	44
52	36	61	51	51	61	55	46	45
53	36	61	51	51	61	55	47	45

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
396	123	32	56	54	36	62	51
397	123	51	56	54	36	62	51
398	124	10	56	55	36	62	52
399	124	29	56	55	36	62	51
400	124	47	56	55	36	62	51
401	125	6	56	57	36	63	51
402	125	25	56	56	36	62	51
403	125	43	56	56	36	63	51
404	126	2	56	56	37	64	51
405	126	21	56	56	37	64	51
406	126	39	56	56	36	64	51
407	126	58	56	58	36	63	51
408	127	17	57	58	36	64	51
409	127	35	56	57	36	64	51
410	127	54	56	56	37	64	51
411	128	13	57	56	36	64	51
412	128	31	56	58	36	65	51
413	128	50	56	56	36	64	51
414	129	9	54	59	35	65	51
415	129	28	51	59	35	65	51
416	129	46	50	59	34	64	51
417	130	5	49	61	34	64	51
418	130	24	49	62	34	65	51
419	130	42	49	62	34	65	52
420	131	1	48	61	34	66	52
421	131	20	48	61	34	67	52
422	131	38	48	63	34	67	51
423	131	57	51	60	36	68	51
424	132	16	50	56	35	69	51
425	132	34	49	51	34	69	51
426	132	53	48	49	35	70	51
427	133	12	49	52	35	71	52
428	133	31	51	53	36	72	52
429	133	49	52	53	36	72	51
430	134	8	52	55	36	73	52
431	134	27	53	55	36	74	51
432	134	45	54	56	36	75	51
433	135	4	55	54	37	76	52
434	135	23	54	55	37	76	51
435	135	41	56	56	38	78	51
436	136	0	56	56	38	78	52
437	136	19	55	57	39	78	52
438	136	37	56	56	39	79	51
439	136	56	56	56	39	79	51
440	137	15	56	55	39	79	51
441	137	34	56	55	39	80	51
442	137	52	56	56	39	79	51
443	*	*	*	*	*	*	*

-06 G.2 UEL TRL LET EMP EG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
54	36	62	51	52	61	55	48	46
54	36	62	51	52	61	54	46	45
55	36	62	52	51	61	55	46	47
55	36	62	51	52	61	55	48	47
55	36	62	51	51	61	55	46	46
57	36	63	51	51	61	55	46	46
56	36	62	51	51	61	55	45	47
56	36	63	51	51	61	54	46	47
56	37	64	51	51	61	54	45	47
56	37	64	51	51	61	54	45	46
56	36	64	51	51	61	54	45	46
58	36	63	51	51	61	54	45	46
58	36	64	51	51	61	54	44	45
57	36	64	51	51	61	54	44	46
56	37	64	51	51	61	54	44	46
56	36	64	51	51	61	54	44	45
58	36	65	51	51	61	54	44	45
56	36	64	51	50	61	54	43	45
59	35	65	51	51	61	51	41	42
59	35	65	51	51	61	50	39	40
59	34	64	51	50	61	49	39	40
61	34	64	51	50	61	49	39	39
62	34	65	51	51	61	49	38	39
62	34	65	52	51	60	50	39	39
61	34	66	52	51	60	49	39	39
61	34	67	52	51	60	50	39	39
63	34	67	51	50	59	49	39	39
60	36	68	51	50	60	51	41	42
56	35	69	51	50	59	50	41	41
51	34	69	51	50	61	50	40	40
49	35	70	51	50	60	49	40	40
52	35	71	52	51	61	51	41	41
53	36	72	52	50	59	52	42	42
53	36	72	51	50	59	52	44	44
55	36	73	52	50	59	52	44	43
55	36	74	51	51	59	53	46	44
56	36	75	51	51	59	52	45	44
54	37	76	52	50	59	52	46	45
55	37	76	51	50	58	52	45	45
56	38	78	51	51	59	52	45	45
56	38	78	52	51	59	54	46	45
57	39	78	52	50	59	54	46	44
55	39	79	51	51	59	54	46	44
56	39	79	51	51	59	53	46	45
55	39	79	51	51	58	53	46	45
55	39	80	51	51	59	52	46	44
56	39	79	51	51	59	51	46	44
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
1	0	15	39	38	37	36	35
2	0	34	39	38	37	36	35
3	*	*	38	38	37	36	35
4	*	*	39	38	37	36	35
5	1	31	38	38	37	36	35
6	*	*	38	38	37	36	35
7	*	49	39	38	37	36	35
8	*	8	39	38	36	36	35
9	*	*	38	38	37	36	35
10	3	6	39	38	37	36	35
11	*	*	39	37	36	36	34
12	*	24	38	38	37	36	35
13	*	*	38	38	37	36	35
14	4	21	38	38	37	36	35
15	*	*	38	38	36	36	35
16	*	*	39	38	37	36	35
17	5	18	38	38	37	36	35
18	*	*	39	37	37	36	34
19	*	36	37	38	37	36	34
20	*	55	39	37	37	37	34
21	*	14	38	39	36	36	35
22	*	33	38	39	36	36	35
23	*	*	38	38	37	36	35
24	7	31	38	38	37	36	35
25	*	*	38	38	37	36	35
26	8	9	38	38	37	36	35
27	*	*	38	38	37	36	35
28	*	*	38	38	38	37	36
29	9	15	38	38	38	38	36
30	9	34	38	38	38	37	36
31	*	*	38	38	38	38	36
32	10	12	38	38	38	37	36
33	10	31	38	38	38	37	36
34	10	49	38	38	38	37	36
35	*	*	38	38	38	37	36
36	*	7	38	38	37	37	36
37	*	26	38	38	37	37	36
38	*	45	38	38	38	37	36
39	*	4	38	38	37	37	36
40	*	*	38	38	37	37	36
41	13	1	38	38	37	37	36
42	13	20	38	38	37	37	35
43	13	39	38	38	37	37	36
44	13	58	38	38	37	37	35
45	*	*	38	38	37	37	36

#801

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
LET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
RF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
38	37	36	35	33	37	32	37	32
38	37	36	35	33	37	32	37	32
38	37	36	35	33	37	32	37	32
38	37	36	35	33	37	32	36	32
38	37	36	35	33	38	32	37	32
38	37	36	35	33	37	32	37	32
38	37	36	35	34	37	32	37	32
38	36	36	35	33	37	32	38	32
38	37	36	35	34	37	32	37	32
38	37	36	35	33	36	32	37	32
37	36	36	34	33	37	32	37	32
38	37	36	35	33	37	32	37	32
38	37	36	35	34	37	32	37	32
38	37	36	35	33	37	32	37	32
38	36	36	35	33	37	32	37	32
38	37	36	35	33	36	32	37	32
38	37	36	35	33	37	32	37	32
37	37	36	34	33	38	32	37	32
38	37	36	34	34	37	32	37	32
37	37	37	34	34	37	32	36	32
39	36	36	35	33	37	31	37	31
39	36	36	35	34	37	32	37	32
38	37	[illegible]	35	33	36	32	36	31
38	37	36	35	34	36	32	36	31
38	37	36	35	34	36	32	36	32
38	37	36	35	34	36	32	36	32
38	37	36	35	34	36	32	36	32
38	38	37	36	35	37	33	36	33
38	38	38	36	35	37	34	36	33
38	38	37	36	35	37	33	36	33
38	38	38	36	35	37	33	37	33
38	39	37	36	36	37	33	37	33
38	38	37	36	35	37	33	37	33
38	38	37	36	35	36	33	36	33
38	38	37	36	35	37	33	36	33
38	37	37	36	35	36	33	36	32
38	37	37	36	35	36	33	36	32
38	38	37	36	35	37	33	36	32
38	37	37	36	35	37	33	37	32
38	37	37	36	35	37	33	37	32
38	37	37	36	35	37	33	36	33
38	38	37	36	35	37	33	36	33
38	37	37	36	34	36	33	36	33
38	37	37	36	35	37	34	37	33
38	37	37	36	34	37	33	37	33

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
46	*	15	38	37	36	37	35
47	*	34	38	38	36	37	35
48	*	53	38	37	38	37	36
49	*	12	39	38	38	38	36
50	*	51	38	39	37	38	36
51	*	*	39	38	38	37	36
52	16	27	39	38	38	38	37
53	16	47	39	38	38	38	36
54	17	6	39	39	38	39	37
55	17	25	39	38	39	38	37
56	17	44	39	39	38	38	36
57	18	3	38	39	38	39	36
58	18	21	39	38	38	38	37
59	18	40	39	38	39	39	37
60	18	59	39	39	39	39	38
61	19	18	39	39	39	39	37
62	19	37	39	39	39	39	38
63	19	56	40	39	39	39	38
64	20	14	39	39	40	39	38
65	20	33	39	39	39	40	38
66	20	52	40	39	39	39	39
67	21	11	40	39	40	39	38
68	21	30	40	41	40	40	38
69	21	48	41	40	40	40	39
70	22	7	41	40	40	41	39
71	22	26	40	39	41	41	39
72	22	45	41	40	41	41	40
73	23	4	41	40	41	42	39
74	23	22	41	40	41	41	40
75	23	41	41	41	41	41	40
76	24	0	41	40	41	41	40
77	24	19	41	40	41	41	40
78	24	38	41	41	41	41	39
79	24	57	41	41	41	40	40
80	25	15	42	42	41	41	40
81	25	34	41	41	42	42	40
82	25	53	42	41	42	42	41
83	26	12	41	41	42	42	41
84	26	31	42	41	42	42	42
85	26	49	42	42	42	43	42
86	27	8	42	41	43	44	42
87	27	27	42	42	43	42	42
88	27	46	42	41	43	44	41
89	28	5	42	42	43	43	42
90	28	23	42	41	43	44	42
91	28	42	42	42	42	44	42
92	29	1	42	42	44	45	43
93	29	20	42	43	44	45	44
94	29	38	42	42	44	44	44
95	29	57	43	42	44	44	43

3801

-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
ET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
F.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
.45	3.15	4.30	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
37	36	37	35	35	36	33	37	33
38	36	37	35	35	37	33	36	33
37	38	37	36	35	37	34	37	33
38	38	38	36	35	37	34	36	34
39	37	38	36	35	37	34	37	33
38	38	37	36	35	37	34	37	33
38	38	38	37	35	37	34	36	33
38	38	38	36	36	37	33	37	33
39	38	39	37	35	37	34	37	33
38	39	38	37	35	37	33	36	33
39	38	38	36	36	37	34	37	33
39	38	39	36	35	37	33	37	33
38	38	38	37	36	37	34	36	33
38	39	39	37	36	37	33	37	33
39	39	39	38	36	37	33	37	33
39	39	39	37	36	37	34	36	34
39	39	39	38	36	37	33	37	34
39	39	39	38	36	37	34	37	33
39	40	39	38	36	38	34	37	33
39	39	40	38	37	37	34	37	34
39	39	39	39	36	38	34	37	34
39	40	39	38	37	38	34	37	34
41	40	40	38	37	37	34	38	34
40	40	40	39	38	37	34	37	34
40	40	41	39	38	37	35	37	34
39	41	41	39	38	38	34	37	34
40	41	41	40	37	38	35	37	34
40	41	42	39	38	38	34	37	34
40	41	41	40	38	38	35	37	35
41	41	41	40	38	38	35	38	34
40	41	41	40	38	39	35	38	34
40	41	41	40	39	38	35	37	35
41	41	41	39	38	38	35	37	35
41	41	40	40	38	38	35	37	36
42	41	41	40	39	38	36	38	36
41	42	42	40	39	39	36	39	36
41	42	42	41	39	39	36	39	37
41	42	42	41	39	39	36	38	37
41	42	42	42	39	39	36	38	36
42	42	43	42	39	39	36	38	36
41	43	44	42	41	39	37	38	36
42	43	42	42	40	39	36	38	36
41	43	44	41	41	39	37	38	36
42	43	43	42	40	39	36	38	36
41	43	44	42	40	39	36	37	36
42	42	44	42	41	39	37	37	36
42	44	45	43	41	39	37	39	36
43	44	45	44	41	43	39	49	38
42	44	44	44	41	42	40	45	39
42	44	44	43	42	41	41	44	40

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6 EN IN SU 6 DE
96	30	16	43	44	44	44	44	
97	30	35	43	44	44	44	44	
98	30	54	43	44	44	45	44	
99	31	12	44	43	44	45	44	
100	31	31	44	43	44	45	43	
101	31	50	44	44	45	45	43	
102	32	9	44	44	44	44	43	
103	32	28	42	42	43	44	43	
104	32	46	42	41	43	43	44	
105	33	5	42	42	42	43	43	
106	33	24	42	42	41	42	42	
107	33	43	42	42	42	42	42	
108	34	2	42	42	41	42	42	
109	34	20	43	42	42	43	42	
110	34	39	42	41	42	42	42	
111	34	58	43	42	42	41	41	
112	35	17	43	42	41	42	41	
113	35	36	43	41	41	42	42	
114	35	54	43	43	42	43	43	
115	36	13	43	42	42	42	42	
116	36	32	43	41	42	42	43	
117	36	51	43	42	41	42	42	
118	37	9	43	42	41	42	42	
119	37	28	43	43	42	42	42	
120	37	47	43	42	41	42	42	
121	38	6	44	42	42	43	41	
122	38	25	44	42	42	42	42	
123	38	43	44	43	43	42	42	
124	39	2	44	43	42	42	42	
125	39	21	44	43	43	42	43	
126	39	40	44	44	43	43	42	
127	39	58	44	43	42	43	42	
128	40	17	42	42	42	42	42	
129	40	36	43	42	41	42	41	
130	40	55	42	42	41	41	41	
131	41	14	41	41	41	42	42	
132	41	32	42	41	41	42	42	
133	41	51	41	41	42	42	42	
134	42	10	42	41	41	42	42	
135	42	29	42	41	42	42	42	
136	42	48	42	42	42	42	42	
137	43	6	42	42	41	43	42	
138	43	25	42	41	41	43	42	
139	43	44	42	42	42	43	43	
140	44	3	43	42	42	43	43	
141	44	21	43	42	42	43	43	
142	44	40	42	41	42	43	43	
143	44	59	43	42	43	44	43	
144	45	18	43	42	42	43	43	
145	45	36	42	42	42	43	43	

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
44	44	44	44	42	42	41	44	41
44	44	44	44	43	42	42	45	42
44	44	45	44	43	42	43	45	43
43	44	45	44	43	43	43	46	44
43	44	45	43	43	43	44	46	44
44	45	45	43	43	43	44	47	45
44	44	44	43	44	43	43	47	45
42	43	44	43	43	43	43	47	45
41	43	43	44	43	43	43	48	45
42	42	43	43	43	44	44	49	46
42	41	42	42	43	45	43	50	46
42	42	42	42	42	45	43	50	46
42	41	42	42	41	45	44	51	46
42	42	43	42	41	46	44	51	47
41	42	42	42	42	47	44	52	47
42	42	41	41	42	47	44	52	47
42	41	42	41	42	48	45	52	47
41	41	42	42	42	48	44	53	47
43	42	43	43	43	48	44	52	46
42	42	42	42	42	49	45	52	47
41	42	42	43	42	49	45	52	48
42	41	42	42	42	49	45	53	48
42	41	42	42	43	49	45	53	48
43	42	42	42	42	49	45	53	48
42	41	42	42	42	50	45	53	48
42	42	43	41	42	51	45	54	48
42	42	42	42	43	51	45	53	47
43	43	42	42	42	50	45	54	47
43	42	42	42	42	51	46	54	48
43	43	42	43	42	51	46	54	48
44	43	43	42	43	52	46	54	48
43	42	43	42	42	48	45	52	48
42	42	42	42	42	46	45	51	48
42	41	42	41	42	46	46	51	48
42	41	41	41	42	46	45	52	48
41	41	42	42	42	46	45	52	48
41	41	42	42	43	47	45	52	48
41	42	42	42	43	47	45	53	48
41	41	42	42	42	47	46	52	49
41	42	42	42	43	46	46	52	49
42	42	42	42	43	48	46	53	48
42	41	43	42	43	48	46	53	48
41	41	43	42	43	48	46	54	49
42	42	43	43	43	48	47	53	49
42	42	43	43	44	48	46	53	50
42	42	43	43	44	48	47	54	49
41	42	43	43	44	48	46	54	49
42	43	44	43	44	48	46	54	49
42	42	43	43	44	49	47	54	49
42	42	43	43					

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
146	45	55	43	42	42	43	44
147	46	14	43	43	43	43	43
148	46	33	43	41	42	43	43
149	46	52	43	42	43	43	43
150	47	10	43	43	42	44	44
151	47	29	43	43	43	43	44
152	47	48	43	42	43	43	44
153	48	7	43	42	42	43	44
154	48	25	43	43	43	44	44
155	48	44	43	43	43	44	44
156	49	3	43	43	42	44	43
157	49	22	43	43	43	44	44
158	49	40	44	43	43	44	43
159	49	59	45	44	44	44	44
160	50	18	45	45	44	44	44
161	50	37	45	45	43	44	45
162	50	56	44	45	44	44	43
163	51	14	44	43	43	44	44
164	51	33	43	43	43	43	44
165	51	52	43	43	43	43	44
166	52	11	44	43	42	44	44
167	52	29	44	43	43	44	44
168	52	48	44	44	44	44	44
169	53	7	44	43	43	44	44
170	53	26	44	43	44	44	44
171	53	44	44	44	44	45	44
172	54	3	44	44	44	44	44
173	54	22	44	44	44	44	45
174	54	41	45	44	44	45	44
175	54	59	45	44	45	45	44
176	55	18	45	44	44	45	44
177	55	37	45	44	44	44	45
178	55	56	45	44	44	45	45
179	56	13	44	44	44	45	45
180	56	33	44	45	44	45	45
181	56	52	44	44	44	45	44
182	57	11	45	43	45	44	45
183	57	30	44	44	44	44	45
184	57	48	44	44	44	44	45
185	58	7	44	44	44	44	45
186	58	26	44	44	44	44	45
187	58	45	44	44	44	44	45
188	59	3	44	44	44	44	44
189	59	22	44	43	44	44	44
190	59	41	45	44	44	45	44
191	60	0	44	44	44	44	45
192	60	19	44	44	44	44	44
193	*	*	44	44	44	44	44
194	60	59	45	44	44	45	45
195	61	15	44	43	44		

L101

6-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
INLET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
SURF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
2.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
42	42	43	44	44	49	46	55	49
43	43	43	43	43	48	46	54	49
41	42	43	43	44	48	46	54	50
42	43	43	43	44	49	47	54	50
43	42	44	44	44	49	47	54	49
43	43	43	44	44	49	47	54	50
42	43	43	44	44	49	47	55	49
42	42	43	44	43	48	48	54	50
43	43	44	44	44	48	47	54	50
43	43	44	44	44	48	47	54	50
43	42	44	43	44	48	47	54	50
43	43	44	44	44	49	47	54	50
43	43	44	43	44	49	48	56	51
44	44	44	44	45	52	49	57	52
45	44	44	44	44	53	48	58	51
45	43	44	45	44	53	48	56	50
45	44	44	43	44	51	48	54	49
43	43	44	44	44	49	48	53	49
43	43	43	44	43	47	48	53	50
43	43	43	44	44	47	48	54	50
43	42	44	44	44	48	48	55	51
43	43	44	44	44	49	48	55	51
44	44	44	44	44	49	48	56	51
43	43	44	44	44	49	48	55	51
43	44	44	44	45	49	48	56	51
44	44	45	44	45	48	48	56	52
44	44	44	44	45	49	48	56	52
44	44	44	45	45	50	48	57	52
44	44	45	44	45	50	49	56	52
44	45	45	44	45	49	48	57	52
44	44	45	44	45	49	49	55	52
44	44	44	45	45	48	49	54	51
44	44	45	45	45	49	48	54	51
44	44	45	45	45	49	48	54	51
44	44	45	45	44	49	49	53	50
44	44	45	45	45	49	49	53	50
43	45	44	44	45	49	48	53	51
44	44	44	45	44	49	48	53	50
44	44	44	45	45	49	48	53	50
44	44	44	45	44	49	48	53	50
44	44	44	45	45	49	48	53	50
44	44	44	45	44	50	47	53	50
44	44	44	45	45	49	48	52	51
43	44	44	44	45	49	48	52	50
44	44	44	44	45	49	48	53	50
44	45	44	45	45	49	48	53	50
44	44	44	45	45	50	47	55	51
44	44	44	44	44	48	48	55	51
44	44	44	44	45	49	48	56	51
43	44	45	45	45	49	48	57	51

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
196	61	33	45	44	44	44	44
197	61	52	44	45	44	45	44
198	62	11	44	45	44	44	45
199	62	30	45	44	44	44	44
200	62	48	44	44	44	44	45
201	63	7	45	44	44	44	45
202	63	26	44	44	44	44	44
203	63	45	44	44	44	45	45
204	64	3	44	44	44	44	44
205	64	22	44	44	44	44	44
206	64	41	44	43	44	44	44
207	65	0	44	43	43	44	44
208	65	18	44	43	44	44	44
209	65	37	44	43	44	44	45
210	65	56	44	43	44	44	45
211	66	11	44	43	44	44	45
212	66	33	44	44	43	44	45
213	66	52	44	43	44	44	44
214	67	11	45	43	44	44	44
215	67	30	45	45	45	45	45
216	67	48	46	45	44	45	45
217	68	7	45	45	44	44	44
218	68	26	44	44	44	44	45
219	68	44	44	43	43	44	45
220	69	3	44	43	43	44	44
221	69	22	44	44	43	44	44
222	69	41	44	43	44	44	44
223	70	0	44	44	44	44	45
224	70	18	45	45	45	45	44
225	70	37	46	44	45	45	45
226	70	56	45	45	45	44	45
227	71	14	45	44	44	44	44
228	71	33	46	45	45	45	45
229	71	52	46	45	45	45	45
230	72	11	46	45	45	44	45
231	72	29	45	45	45	44	45
232	72	48	45	43	44	44	44
233	73	7	44	44	43	44	44
234	73	26	44	44	44	44	44
235	73	44	45	45	45	44	45
236	74	3	45	45	45	44	44
237	74	22	44	43	43	45	44
238	74	41	43	43	43	43	44
239	74	59	44	44	44	44	44
240	75	18	46	45	45	45	45
241	75	37	47	45	46	45	45
242	75	55	46	45	45	45	45
243	76	14	45	45	45	45	44
244	76	33	44	44	44	44	44
245	76	52	44	43	43	43	45

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-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
LET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
URF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
44	44	44	44	45	49	48	57	51
45	44	45	44	45	49	49	57	52
45	44	44	45	45	49	48	57	52
44	44	44	44	45	49	48	57	52
44	44	44	45	45	49	48	58	52
44	44	44	45	45	49	48	59	52
44	44	44	44	45	50	48	58	52
44	44	45	45	44	49	49	55	51
44	44	44	44	45	49	48	55	51
44	44	44	44	45	49	48	55	51
43	44	44	44	44	49	48	54	51
43	43	44	44	45	49	49	55	51
43	44	44	44	45	49	48	56	51
43	44	44	45	45	50	48	55	51
43	44	44	45	45	50	48	55	51
43	44	44	45	44	49	48	55	51
44	43	44	45	45	49	48	55	51
43	44	44	44	45	48	48	56	52
43	44	44	44	45	51	48	58	52
45	45	45	45	46	52	49	60	52
45	44	45	45	45	52	49	58	52
46	44	44	44	45	48	48	55	51
44	44	44	45	44	48	48	56	52
43	43	44	45	45	48	48	57	52
43	43	44	44	45	49	48	56	52
44	43	44	44	45	49	48	58	52
43	44	44	44	45	51	48	59	52
44	44	44	45	45	52	48	58	51
45	45	45	44	45	52	48	58	51
44	45	45	45	45	52	48	58	51
45	45	44	45	45	52	48	58	51
44	44	44	44	44	53	48	57	51
45	45	45	45	45	53	48	58	51
45	45	45	45	44	53	48	58	51
45	45	44	45	44	53	48	58	51
45	45	44	45	44	54	48	58	51
43	44	44	44	44	50	48	55	51
44	43	44	44	44	49	48	56	51
44	44	44	44	45	52	49	59	52
45	45	44	45	45	53	49	58	52
45	45	44	44	45	54	48	58	51
43	43	45	44	44	48	48	55	51
43	43	43	44	44	48	48	56	51
44	44	44	44	44	51	49	58	51
45	45	45	45	45	52	50	59	52
45	46	45	45	45	54	49	61	52
45	45	45	45	46	55	49	61	52
45	45	45	44	45	52	49	56	52
44	44	44	44	44	49	48	56	51
43	43	43	45	44	48	48	56	51

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
246	77	10	44	44	42	44	44
247	77	29	45	44	44	44	45
248	77	48	46	45	45	45	45
249	78	7	46	45	44	44	45
250	78	25	44	44	44	44	45
251	78	44	44	43	44	44	45
252	79	3	46	45	45	45	45
253	79	20	45	45	44	44	45
254	79	40	44	45	44	44	44
255	79	59	44	43	44	44	44
256	80	18	46	45	45	45	45
257	80	36	45	45	44	45	45
258	80	55	46	45	45	45	44
259	81	14	46	46	45	44	45
260	81	33	45	45	43	44	44
261	81	51	44	44	43	44	44
262	82	10	44	43	44	44	44
263	82	29	46	45	45	45	45
264	82	48	47	46	46	45	46
265	83	6	48	48	46	46	46
266	83	25	48	46	47	46	46
267	83	44	46	46	45	45	45
268	84	3	44	44	44	44	45
269	84	21	44	44	44	44	44
270	84	40	44	44	44	44	44
271	84	59	46	45	44	45	45
272	85	18	46	45	45	45	45
273	85	36	48	46	46	45	46
274	85	55	47	46	46	45	45
275	86	14	45	44	44	44	45
276	86	33	44	44	43	43	44
277	86	51	43	42	43	43	44
278	87	10	43	43	43	44	44
279	87	29	43	43	42	43	44
280	87	48	43	43	43	43	43
281	88	6	43	42	42	43	43
282	88	25	43	43	43	43	44
283	88	44	43	43	42	43	45
284	88	59	43	43	42	43	44
285	89	21	44	44	43	43	44
286	89	40	44	44	43	44	44
287	89	59	43	44	43	44	44
288	90	17	44	44	43	44	44
289	90	36	43	44	43	44	44
290	90	55	44	43	43	43	44
291	91	14	44	43	43	44	44
292	91	32	44	43	43	44	44
293	91	51	44	44	43	44	44
294	92	10	44	44	43	44	44
295	92	29	44	43	43	44	44

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-16 G.1 LET LIP RF. .45 G.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
44	42	44	44	44	49	48	57	51
44	44	44	45	45	52	49	61	53
45	45	45	45	45	54	50	63	53
45	44	44	45	45	52	50	59	52
44	44	44	45	44	49	49	56	51
43	44	44	45	44	49	48	58	51
45	45	45	45	44	52	49	61	52
45	44	44	45	45	52	49	58	52
45	44	44	44	44	48	48	56	52
43	44	44	44	45	49	48	57	52
45	45	45	45	45	52	49	60	52
45	44	45	45	45	54	49	59	51
45	45	45	44	45	55	49	61	52
46	45	44	45	45	55	49	60	52
45	43	44	44	44	51	48	56	51
44	43	44	44	44	49	48	56	51
43	44	44	44	45	50	49	58	51
45	45	45	45	46	52	50	62	52
46	46	45	46	46	55	50	64	53
48	46	46	46	46	56	50	64	54
46	47	46	46	46	56	51	63	54
46	45	45	45	45	55	49	59	52
44	44	44	45	44	49	48	56	51
44	44	44	44	44	49	48	57	51
44	44	44	44	44	51	48	59	52
45	44	45	45	45	52	49	62	52
45	45	45	45	45	54	50	63	52
46	46	45	46	46	56	50	64	53
46	46	45	45	46	56	50	61	52
44	44	44	45	44	51	48	56	51
44	43	43	44	44	49	48	56	52
42	43	43	44	44	48	48	57	51
43	43	44	44	44	48	48	58	51
43	42	43	44	44	49	48	58	51
43	43	43	43	44	49	48	58	51
42	42	43	43	44	50	47	58	51
43	43	43	44	44	49	48	59	51
43	42	43	45	44	49	48	58	52
43	42	43	44	44	49	48	58	52
44	43	43	44	44	49	48	58	52
44	43	44	44	44	49	48	59	52
44	43	44	44	44	51	48	59	52
44	43	44	44	44	50	48	59	52
44	43	44	44	45	49	48	58	52
43	43	43	44	44	48	48	58	52
43	43	44	44	44	48	48	58	52
43	43	44	44	44	49	48	58	52
44	43	44	44	44	48	48	58	53
44	43	44	44	44	49	48	59	53
43	43	44	44	44	49	48	59	52

2

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
296	92	47	44	44	44	44	45
297	93	6	44	43	43	44	45
298	93	25	44	44	43	44	45
299	93	44	44	43	43	44	44
300	94	2	45	43	44	44	45
301	94	21	45	44	45	45	46
302	94	40	46	46	45	45	46
303	94	58	47	46	46	46	46
304	95	17	46	46	46	46	46
305	95	36	47	46	46	46	46
306	95	55	47	45	46	46	46
307	96	13	48	46	46	47	46
308	96	32	48	46	46	46	46
309	*	*	*	*	*	*	*
310	*	*	*	*	*	*	*
311	*	*	*	*	*	*	*
312	*	*	*	*	*	*	*
313	97	39	44	42	44	44	45
314	97	58	44	43	43	44	44
315	98	17	45	45	44	44	44
316	98	35	45	44	44	44	44
317	98	54	44	44	44	44	44
318	99	13	44	44	44	44	44
319	99	32	44	44	44	45	44
320	99	50	46	46	45	44	45
321	100	9	45	44	44	44	44
322	100	28	44	44	44	43	44
323	100	47	45	45	44	44	44
324	101	5	46	45	45	45	44
325	101	24	44	44	44	43	44
326	101	43	44	44	44	44	44
327	102	1	45	44	44	43	44
328	102	20	46	45	44	44	44
329	102	39	44	43	43	43	44
330	102	58	43	43	43	44	44
331	103	16	45	45	44	44	44
332	103	35	45	44	44	44	44
333	103	54	45	44	44	43	44
334	104	12	44	42	44	42	43
335	104	31	44	43	43	43	44
336	104	50	45	44	44	43	44
337	105	9	44	42	43	43	43
338	105	27	42	41	43	43	43
339	105	46	44	43	43	43	43
340	106	5	44	42	43	43	43
341	106	24	42	42	42	42	43
342	105	42	42	42	42	42	41
343	107	1	44	43	42	42	44
344	107	20	44	43	43	44	43
345	107	38	42	41	42	42	42

0601 1090

-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
LET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
RF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
44	44	44	45	44	49	48	59	52
43	43	44	45	45	49	48	59	52
44	43	44	45	44	49	49	59	53
43	43	44	44	44	48	49	59	53
43	44	44	45	45	49	48	59	53
44	45	45	46	46	52	51	61	54
46	45	45	46	46	53	50	60	53
46	46	46	46	47	55	51	60	54
46	46	46	46	47	55	50	59	54
46	46	46	46	47	55	50	59	54
45	46	46	46	47	56	50	60	53
46	46	47	46	46	57	51	60	53
46	46	46	46	46	56	50	60	53
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
42	44	44	45	45	52	48	57	50
43	43	44	44	45	48	48	54	50
45	44	44	44	45	51	49	57	52
44	44	44	44	45	51	48	56	51
44	44	44	44	45	50	49	55	51
44	44	44	44	44	51	48	56	51
44	44	45	44	45	50	48	56	51
46	45	44	45	45	52	49	58	51
44	44	44	44	44	50	48	56	50
44	44	43	44	44	47	47	53	50
45	44	44	44	44	49	48	55	51
45	45	45	44	45	52	48	58	51
44	44	43	44	44	48	47	53	50
44	44	44	44	45	49	48	55	50
44	44	43	44	44	51	48	56	50
45	44	44	44	44	54	48	59	51
43	43	43	44	44	47	46	53	49
43	43	44	44	44	48	47	52	49
45	44	44	44	44	50	48	55	50
44	44	44	44	44	52	49	57	50
44	44	43	44	44	52	48	57	50
42	44	42	43	44	47	46	53	49
43	43	43	44	44	49	46	54	49
44	44	43	44	44	52	47	56	50
42	43	43	43	44	48	46	53	49
41	43	43	43	43	46	46	51	48
43	43	43	43	44	49	48	54	49
42	43	43	43	44	49	46	54	49
42	42	42	43	43	46	45	51	48
42	42	42	41	43	45	46	50	48
43	42	42	44	43	48	47	53	50
43	43	44	43	43	51	46	56	49
41	42	42	42	43	46	46	51	48

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-2 ENG. INLE LI SURF 6.0 DEG.
346	107	57	41	41	42	42	42	4
347	108	16	43	42	42	42	42	4
348	108	35	42	41	42	42	42	4
349	108	53	41	41	41	42	42	4
350	109	12	42	40	41	42	42	4
351	109	31	41	41	41	41	42	4
352	109	49	41	41	41	41	42	4
353	110	8	41	41	41	41	42	4
354	110	27	41	40	41	41	41	4
355	110	46	41	40	41	42	42	4
356	111	4	41	40	41	41	42	4
357	111	23	41	40	41	41	42	4
358	111	42	41	41	41	41	41	4
359	112	0	41	41	41	41	42	4
360	112	19	41	40	41	41	42	4
361	112	38	41	40	41	41	42	4
362	112	56	41	41	41	42	42	4
363	113	15	41	40	41	41	42	4
364	113	34	41	41	41	41	42	4
365	113	53	41	40	41	42	41	4
366	114	11	42	41	41	42	43	4
367	114	30	41	41	41	42	42	4
368	114	49	41	41	41	41	42	4
369	115	7	42	41	41	42	42	4
370	115	26	42	41	41	42	41	4
371	115	45	42	41	41	42	42	4
372	116	4	42	41	41	42	42	4
373	116	22	42	41	42	41	42	4
374	116	41	42	42	42	42	42	4
375	117	0	42	42	42	42	42	4
376	117	18	41	42	42	42	42	4
377	117	37	41	41	41	42	42	4
378	117	56	42	41	42	42	44	4
379	118	15	42	41	42	42	42	4
380	118	33	42	42	41	42	42	4
381	118	52	42	41	41	42	42	4
382	119	11	42	41	41	41	42	4
383	119	29	41	42	41	42	42	4
384	119	48	42	41	41	42	42	4
385	120	7	42	41	41	42	42	4
386	120	26	42	41	41	42	42	4
387	120	44	42	42	41	42	42	4
388	121	3	42	41	41	42	42	4
389	121	22	42	41	41	41	41	4
390	121	40	43	42	42	43	43	4
391	121	59	44	42	42	42	43	4
392	122	18	44	44	43	43	43	4
393	122	36	44	43	42	43	43	4
394	122	55	45	43	42	42	44	4
395	123	14	45	44	43	43	43	4

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
41	42	42	42	44	48	46	53	48
42	42	42	42	43	50	46	55	48
41	42	42	42	42	45	45	51	48
41	41	42	42	42	45	45	49	48
40	41	42	42	42	45	45	49	48
41	41	41	42	42	45	45	49	46
41	41	41	42	42	44	45	49	47
41	41	41	42	42	45	45	49	46
40	41	41	41	42	45	45	49	46
40	41	42	42	42	45	45	48	47
40	41	41	42	43	45	45	48	46
40	41	41	42	41	45	45	48	46
41	41	41	41	41	44	45	48	46
41	41	41	42	42	45	45	48	46
40	41	41	42	42	45	45	48	47
40	41	41	42	41	45	45	48	47
41	41	42	42	42	44	45	48	46
40	41	41	42	42	44	45	48	47
41	41	41	42	43	44	45	48	46
40	41	42	41	42	44	45	48	47
41	41	42	43	42	45	45	49	47
41	41	42	42	42	45	44	48	46
41	41	41	42	42	44	45	48	47
41	41	42	42	42	45	45	49	46
41	41	42	41	42	44	45	48	47
41	41	42	42	43	45	46	49	47
41	41	42	42	43	45	45	49	47
41	42	41	42	44	46	45	49	46
42	42	42	42	44	45	45	49	47
42	42	42	42	43	46	45	49	47
42	42	42	42	43	46	45	49	47
41	41	42	42	44	45	45	49	47
41	42	42	44	44	46	45	49	46
41	42	42	42	42	46	45	49	47
42	41	42	42	43	45	45	49	47
41	41	42	42	43	46	45	49	47
41	41	41	42	42	46	45	49	46
42	41	42	42	42	46	45	49	47
41	41	42	42	42	45	45	49	47
41	41	42	42	42	46	45	49	47
41	41	42	42	42	45	45	48	47
42	41	42	42	42	45	45	49	47
41	41	42	42	42	45	46	49	46
41	41	41	41	43	45	45	49	46
42	42	43	43	43	47	46	51	48
42	42	42	43	44	49	46	53	48
44	43	43	43	43	51	47	54	48
43	42	43	43	43	51	46	54	48
43	42	42	44	44	52	47	55	48
44	43	43	43	43	52	46	55	48

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
396	123	32	45	45	43	43	44
397	123	51	44	44	43	42	42
398	124	10	44	44	43	43	43
399	124	29	44	44	43	42	43
400	124	47	44	42	42	43	43
401	125	6	43	42	42	43	43
402	125	25	43	41	42	43	42
403	125	43	43	41	41	42	42
404	126	2	43	41	42	42	42
405	126	21	43	41	42	41	42
406	126	39	42	40	42	41	41
407	126	58	41	41	41	41	41
408	127	17	41	40	40	42	42
409	127	35	41	41	40	42	42
410	127	54	41	41	40	42	42
411	128	13	41	40	41	41	41
412	128	31	42	42	41	42	41
413	128	50	41	41	40	41	41
414	129	9	39	39	39	39	40
415	129	28	38	38	38	38	40
416	129	46	38	38	37	38	39
417	130	5	38	38	37	38	39
418	130	24	38	38	37	38	39
419	130	42	38	38	38	39	39
420	131	1	38	38	38	38	39
421	131	20	39	38	39	38	39
422	131	38	39	39	39	39	40
423	131	57	41	40	39	41	42
424	132	16	40	40	39	40	40
425	132	34	40	39	39	39	41
426	132	53	40	39	39	40	41
427	133	12	41	39	40	41	41
428	133	31	41	41	41	41	41
429	133	49	42	42	42	41	42
430	134	8	42	41	41	42	42
431	134	27	43	42	41	41	41
432	134	45	43	41	41	41	41
433	135	4	44	42	42	41	41
434	135	23	43	42	41	41	41
435	135	41	43	41	42	41	42
436	136	0	43	42	42	41	42
437	136	19	43	43	42	42	42
438	136	37	43	41	41	42	42
439	136	56	43	42	42	42	43
440	137	15	44	42	42	42	43
441	137	34	43	42	42	42	43
442	137	52	43	42	42	42	43
443	*	*	*	*	*	*	*

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6-16 ENG.1 INLET LIP SURF. 2.45 EG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
45	43	43	44	44	52	47	55	49
44	43	42	42	43	53	46	56	49
44	43	43	43	43	52	47	56	49
44	43	42	43	43	53	47	56	49
42	42	43	43	43	52	46	55	48
42	42	43	43	42	51	46	55	49
41	42	43	42	43	51	46	55	48
41	41	42	42	42	51	46	55	48
41	42	42	42	42	51	46	55	48
41	42	41	42	41	52	45	55	48
40	42	41	41	41	51	44	55	48
41	41	41	41	42	49	45	54	48
40	40	42	42	41	49	45	55	48
41	40	42	42	42	49	45	54	48
41	40	42	42	42	48	45	54	47
40	41	41	41	41	48	44	54	47
42	41	42	41	41	48	44	54	47
41	40	41	41	41	48	44	54	46
39	39	39	40	39	47	42	52	45
38	38	38	40	38	44	42	50	46
38	37	38	39	39	44	43	52	47
38	37	38	39	39	44	42	52	46
38	37	38	39	39	45	42	53	46
38	38	39	39	39	45	43	54	47
38	38	38	39	39	45	42	54	48
38	39	38	39	39	44	44	54	48
39	39	39	40	39	45	44	55	48
40	39	41	42	41	47	45	55	50
40	39	40	40	40	45	45	52	48
39	39	39	41	41	44	44	51	48
39	39	40	41	40	45	44	53	48
39	40	41	41	41	45	44	54	49
41	41	41	41	42	48	46	55	50
42	42	41	42	42	50	46	56	49
41	41	42	42	43	51	47	55	49
42	41	41	41	42	52	46	56	48
41	41	41	41	41	52	46	55	47
42	42	41	41	42	53	46	57	48
42	41	41	41	41	52	46	56	48
41	42	41	42	42	52	46	59	49
42	42	41	42	42	54	46	63	51
43	42	42	42	42	52	45	61	51
41	41	42	42	44	51	44	56	50
42	42	42	43	43	49	43	54	50
42	42	42	43	43	50	44	55	50
42	42	42	43	43	49	43	55	49
42	42	42	43	43	49	42	55	49
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
1	0	15	28	29	29	30
2	0	34	28	29	29	30
3	*	*	29	29	29	30
4	*	*	28	29	29	30
5	1	31	28	29	30	29
6	*	*	29	29	30	30
7	*	49	28	29	30	30
8	*	8	28	29	29	30
9	*	*	28	29	29	30
10	3	6	28	29	29	30
11	*	*	29	29	29	30
12	*	24	28	29	29	29
13	*	*	28	28	29	30
14	4	21	29	29	29	30
15	*	*	28	29	29	29
16	*	*	28	29	30	30
17	5	18	29	29	29	30
18	*	*	29	29	30	30
19	*	36	28	28	29	30
20	*	55	28	29	31	29
21	*	14	29	29	30	29
22	*	33	28	29	29	30
23	*	*	29	29	30	30
24	7	31	29	29	30	30
25	*	*	29	29	30	30
26	8	9	28	29	30	30
27	*	*	28	29	29	30
28	*	*	31	31	31	31
29	9	15	31	31	31	31
30	9	34	30	31	31	31
31	*	*	31	31	31	31
32	10	12	31	31	31	32
33	10	31	31	31	31	31
34	10	49	30	30	31	31
35	*	*	30	30	31	31
36	*	7	30	31	31	31
37	*	26	30	30	31	31
38	*	45	30	31	31	31
39	*	4	30	31	31	31
40	*	*	30	31	31	31
41	13	1	30	30	31	31
42	13	20	30	31	31	31
43	13	39	30	31	31	31
44	13	58	30	31	31	31
45	*	*	30	31	31	31

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-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
46	*	15	31	30	31	31
47	*	34	30	31	31	31
48	*	53	31	31	31	31
49	*	12	30	31	31	31
50	*	51	31	31	31	32
51	*	*	30	31	31	32
52	16	27	31	31	31	32
53	16	47	30	31	31	32
54	17	6	31	31	32	32
55	17	25	30	31	30	31
56	17	44	30	31	32	31
57	18	3	31	31	31	31
58	18	21	31	31	31	31
59	18	40	31	30	31	31
60	18	59	30	30	32	31
61	19	18	31	31	31	30
62	19	37	30	31	31	31
63	19	56	30	31	31	32
64	20	14	31	31	31	31
65	20	33	30	31	31	31
66	20	52	31	31	31	31
67	21	11	31	31	31	32
68	21	30	30	31	32	31
69	21	48	30	31	31	32
70	22	7	31	31	31	31
71	22	26	31	31	32	32
72	22	45	31	31	31	32
73	23	4	31	32	31	31
74	23	22	31	32	31	32
75	23	41	31	31	31	32
76	24	0	31	31	31	32
77	24	19	31	31	32	31
78	24	38	35	32	32	33
79	24	57	49	33	32	31
80	25	15	53	33	31	31
81	25	34	53	33	32	31
82	25	53	54	34	31	32
83	26	12	54	34	37	32
84	26	31	54	34	54	32
85	26	49	54	35	59	33
86	27	8	54	34	60	34
87	27	27	54	35	59	34
88	27	46	53	36	59	35
89	28	5	53	36	59	35
90	28	23	53	37	59	35
91	28	42	53	35	59	36
92	29	1	54	36	59	37
93	29	20	67	36	58	36
94	29	38	72	38	58	37
95	29	57	73	39	58	36

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-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
96	30	16	73	41	58	36
97	30	35	72	44	56	37
98	30	54	72	45	57	37
99	31	12	71	48	57	38
100	31	31	71	49	56	38
101	31	50	70	51	56	38
102	32	9	69	54	56	39
103	32	28	69	55	55	38
104	32	46	69	58	55	37
105	33	5	68	59	55	38
106	33	24	68	62	55	39
107	33	43	67	62	53	38
108	34	2	66	69	64	38
109	34	20	66	66	73	39
110	34	39	66	67	73	41
111	34	58	65	69	72	44
112	35	17	65	70	72	45
113	35	36	65	71	71	48
114	35	54	65	72	70	51
115	36	13	65	73	70	53
116	36	32	64	74	70	58
117	36	51	64	74	69	59
118	37	9	64	75	68	62
119	37	28	64	75	68	64
120	37	47	64	76	68	66
121	38	6	63	76	66	68
122	38	25	64	76	66	69
123	38	43	63	77	67	70
124	39	2	63	78	66	71
125	39	21	64	77	65	73
126	39	40	63	78	66	74
127	39	58	63	78	65	75
128	40	17	62	78	65	75
129	40	36	63	78	64	74
130	40	55	62	79	64	74
131	41	14	62	79	63	76
132	41	32	62	79	63	76
133	41	51	62	79	63	77
134	42	10	62	80	63	78
135	42	29	62	80	62	78
136	42	48	62	81	63	79
137	43	6	62	81	62	79
138	43	25	62	81	63	80
139	43	44	63	82	62	80
140	44	3	62	82	62	81
141	44	21	62	83	62	81
142	44	40	62	83	61	81
143	44	59	62	83	63	82
144	45	18	62	83	63	81
145	45	36	62	84	62	82

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
146	45	55	62	85	62	83
147	46	14	63	83	62	83
148	46	33	62	84	62	83
149	46	52	62	85	62	83
150	47	10	62	85	62	83
151	47	29	63	85	62	84
152	47	48	63	85	63	83
153	48	7	62	85	62	85
154	48	25	63	85	62	84
155	48	44	62	85	62	84
156	49	3	62	85	62	84
157	49	22	62	86	62	84
158	49	40	63	86	63	85
159	49	59	64	86	64	86
160	50	18	63	86	64	86
161	50	37	63	86	63	86
162	50	56	63	86	63	86
163	51	14	63	86	63	85
164	51	33	62	86	63	83
165	51	52	63	85	61	82
166	52	11	63	85	61	83
167	52	29	63	85	62	85
168	52	48	63	85	63	85
169	53	7	63	85	62	84
170	53	26	63	85	62	85
171	53	44	64	85	62	85
172	54	3	63	86	62	85
173	54	22	64	86	62	86
174	54	41	63	87	63	87
175	54	59	64	88	63	88
176	55	18	64	88	63	88
177	55	37	64	89	63	89
178	55	56	64	88	63	88
179	56	13	64	88	62	89
180	56	33	64	88	63	89
181	56	52	63	87	64	89
182	57	11	63	86	63	89
183	57	30	64	86	63	89
184	57	48	65	86	63	89
185	58	7	64	86	64	89
186	58	26	64	85	64	89
187	58	45	65	85	64	89
188	59	3	64	85	63	89
189	59	22	64	85	64	89
190	59	41	64	85	64	89
191	60	0	64	84	64	90
192	60	18	65	85	64	89
193	*	*	65	85	64	90
194	60	56	63	84	64	89
195	61	15	64	85	64	89

10%

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
196	61	33	64	85	64	88
197	61	52	64	85	64	88
198	62	11	64	86	64	88
199	62	30	64	86	64	87
200	62	48	65	87	64	86
201	63	7	65	87	64	87
202	63	26	65	88	64	86
203	63	45	64	89	64	86
204	64	3	64	88	64	87
205	64	22	65	89	64	87
206	64	41	64	88	64	86
207	65	0	64	88	64	85
208	65	18	64	88	64	85
209	65	37	65	88	64	87
210	65	56	64	88	65	86
211	66	11	65	88	64	85
212	66	33	65	87	65	85
213	66	52	65	86	64	85
214	67	11	65	88	64	85
215	67	30	65	88	66	86
216	67	48	65	88	65	86
217	68	7	65	88	64	83
218	68	26	65	88	63	83
219	68	44	65	88	63	83
220	69	3	65	88	64	84
221	69	22	65	88	64	82
222	69	41	66	89	64	83
223	70	0	66	89	64	84
224	70	18	65	89	65	83
225	70	37	66	90	65	83
226	70	56	65	89	64	83
227	71	14	66	89	65	83
228	71	33	66	89	64	83
229	71	52	65	89	64	83
230	72	11	65	89	65	82
231	72	29	66	89	65	82
232	72	48	66	88	64	81
233	73	7	66	88	64	80
234	73	26	66	88	65	82
235	73	44	66	89	65	82
236	74	3	66	88	65	82
237	74	22	66	88	64	80
238	74	41	66	88	63	80
239	74	59	66	88	64	82
240	75	18	66	88	65	82
241	75	37	67	89	65	82
242	75	55	67	89	65	83
243	76	14	68	88	65	82
244	76	33	66	87	63	80
245	76	52	66	86	63	81

1077

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
246	77	10	66	87	65	81
247	77	29	67	88	64	82
248	77	48	66	88	65	83
249	78	7	66	88	65	84
250	78	25	66	88	63	82
251	78	44	66	87	63	82
252	79	3	67	88	64	82
253	79	20	67	88	64	82
254	79	40	66	86	65	82
255	79	59	66	88	64	81
256	80	18	67	89	64	83
257	80	36	66	88	64	83
258	80	55	66	88	65	84
259	81	14	67	88	65	83
260	81	33	66	87	65	83
261	81	51	66	87	64	81
262	82	10	67	88	64	83
263	82	29	67	88	65	84
264	82	48	68	88	65	84
265	83	6	68	89	65	84
266	83	25	68	88	65	84
267	83	44	67	87	65	85
268	84	3	66	87	65	83
269	84	21	66	86	64	82
270	84	40	67	86	64	83
271	84	59	67	88	65	84
272	85	18	67	88	65	85
273	85	36	68	89	65	86
274	85	55	67	88	66	85
275	86	14	67	88	65	84
276	86	33	67	86	64	82
277	86	51	66	87	64	82
278	87	10	66	86	64	82
279	87	29	66	87	62	82
280	87	48	66	87	63	81
281	88	6	66	88	63	82
282	88	25	67	88	63	81
283	88	44	66	89	64	81
284	88	59	66	88	63	81
285	89	21	67	90	62	80
286	89	40	66	90	63	80
287	89	59	66	90	63	80
288	90	17	67	90	62	79
289	90	36	66	91	62	79
290	90	55	66	92	62	79
291	91	14	66	92	62	79
292	91	32	66	91	62	78
293	91	51	66	92	62	78
294	92	10	66	92	62	78
295	92	29	66	93	62	78

160

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
296	92	47	67	92	62	79
297	93	6	67	93	62	78
298	93	25	66	93	62	78
299	93	44	67	93	62	78
300	94	2	67	93	62	79
301	94	21	67	94	64	81
302	94	40	68	94	64	81
303	94	58	68	94	65	82
304	95	17	68	94	64	82
305	95	36	67	94	64	83
306	95	55	68	94	64	83
307	96	13	68	93	64	84
308	96	32	68	93	64	85
309	*	*	*	*	*	*
310	*	*	*	*	*	*
311	*	*	*	*	*	*
312	*	*	*	*	*	*
313	97	39	68	90	64	83
314	97	58	68	90	62	82
315	98	17	68	90	64	85
316	98	35	68	89	63	85
317	98	54	68	89	64	85
318	99	13	68	88	64	85
319	99	32	68	88	64	85
320	99	50	68	88	64	85
321	100	9	68	87	64	85
322	100	28	69	86	63	84
323	100	47	68	86	64	85
324	101	5	68	86	65	86
325	101	24	68	85	63	84
326	101	43	68	85	65	86
327	102	1	68	85	65	86
328	102	20	68	85	65	87
329	102	39	67	85	64	85
330	102	58	68	84	64	85
331	103	16	68	84	65	87
332	103	35	68	83	65	88
333	103	54	67	84	65	87
334	104	12	67	84	64	85
335	104	31	67	83	65	86
336	104	50	68	83	65	87
337	105	9	67	83	64	86
338	105	27	67	82	64	86
339	105	46	68	83	65	87
340	106	5	67	83	65	86
341	106	24	67	82	64	85
342	106	42	67	81	63	83
343	107	1	67	82	65	87
344	107	20	66	82	65	87
345	107	38	66	81	64	84

6601 1099

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
346	107	57	67	81	65	88
347	108	16	66	81	65	87
348	108	35	67	81	64	85
349	108	53	66	80	64	85
350	109	12	66	81	63	83
351	109	31	66	79	62	84
352	109	49	66	80	63	86
353	110	8	66	79	63	85
354	110	27	65	79	63	86
355	110	46	65	79	64	86
356	111	4	65	79	63	87
357	111	23	66	79	64	87
358	111	42	65	79	63	88
359	112	0	65	79	63	89
360	112	19	65	79	62	87
361	112	38	65	78	63	87
362	112	56	65	78	63	88
363	113	15	65	78	62	88
364	113	34	65	78	63	88
365	113	53	64	79	63	86
366	114	11	65	77	63	88
367	114	30	65	77	63	90
368	114	49	65	77	64	89
369	115	7	64	77	63	89
370	115	26	64	78	64	89
371	115	45	65	77	64	90
372	116	4	64	77	62	89
373	116	22	64	77	63	89
374	116	41	64	77	63	90
375	117	0	63	77	64	90
376	117	18	64	77	64	90
377	117	37	65	77	64	90
378	117	56	64	77	63	90
379	118	15	63	77	64	90
380	118	33	64	77	63	90
381	118	52	63	77	64	90
382	119	11	64	76	64	90
383	119	29	64	76	64	91
384	119	48	63	78	63	90
385	120	7	63	77	64	89
386	120	26	64	77	63	89
387	120	44	63	77	64	90
388	121	3	63	77	64	90
389	121	22	62	76	64	90
390	121	40	63	77	65	92
391	121	59	63	77	65	93
392	122	18	63	78	66	93
393	122	36	63	78	66	94
394	122	55	63	78	66	93
395	123	14	62	78	66	93

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
396	123	32	63	78	67	92
397	123	51	63	78	67	92
398	124	10	63	79	67	91
399	124	29	63	79	67	91
400	124	47	63	80	67	91
401	125	6	63	80	67	90
402	125	25	63	80	67	90
403	125	43	62	80	67	89
404	126	2	63	81	68	89
405	126	21	62	82	67	89
406	126	39	63	81	67	88
407	126	58	62	81	67	88
408	127	17	62	82	68	88
409	127	35	62	81	68	88
410	127	54	63	82	68	88
411	128	13	62	82	67	88
412	128	31	63	82	68	88
413	128	50	62	81	68	87
414	129	9	62	81	66	85
415	129	28	62	81	66	85
416	129	46	62	81	65	83
417	130	5	62	81	65	81
418	130	24	62	81	65	82
419	130	42	61	82	65	80
420	131	1	62	82	65	81
421	131	20	62	82	64	79
422	131	38	63	83	64	80
423	131	57	62	85	66	81
424	132	16	62	84	64	79
425	132	34	63	85	62	77
426	132	53	62	85	62	78
427	133	12	62	86	64	80
428	133	31	63	86	65	81
429	133	49	62	86	65	81
430	134	8	64	86	66	83
431	134	27	62	86	65	82
432	134	45	62	86	65	82
433	135	4	62	86	65	83
434	135	23	62	86	65	83
435	135	41	63	85	66	83
436	136	0	64	86	66	85
437	136	19	64	85	66	84
438	136	37	64	84	66	84
439	136	56	64	83	66	83
440	137	15	64	82	66	82
441	137	34	65	81	66	81
442	137	52	65	80	66	80
443	*	*	*	*	*	*

fold

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
1	0	17	21	21	20	24	19
2	0	36	21	21	21	23	18
3	*	*	22	21	21	24	19
4	*	54	22	21	20	24	19
5	*	13	22	20	21	24	18
6	*	*	22	21	21	23	19
7	2	11	21	21	21	23	19
8	*	*	21	20	21	23	19
9	*	*	21	21	21	22	18
10	3	8	21	22	21	24	19
11	*	*	20	21	20	24	18
12	3	46	21	21	20	23	19
13	*	*	22	21	21	23	19
14	*	4	21	20	21	24	19
15	*	23	21	20	21	24	19
16	*	42	22	21	20	23	18
17	*	0	22	20	21	24	18
18	*	19	21	20	20	23	18
19	*	*	21	21	20	25	19
20	6	17	22	21	20	24	18
21	*	*	21	21	21	24	20
22	*	35	22	21	21	23	19
23	*	*	21	21	21	23	19
24	7	33	21	20	21	23	18
25	*	*	22	20	20	23	19
26	*	51	21	21	21	22	19
27	*	10	21	21	20	24	19
28	*	39	22	22	21	24	19
29	*	*	22	21	22	24	19
30	9	36	22	22	22	24	19
31	*	*	22	22	21	23	19
32	10	14	22	22	22	24	19
33	10	33	22	22	23	24	20
34	*	*	22	21	21	24	19
35	*	50	21	21	21	24	19
36	*	9	22	21	21	24	19
37	*	48	22	21	21	24	19
38	*	47	21	21	21	23	20
39	*	6	21	21	21	23	19
40	*	*	22	22	21	23	19
41	13	4	23	22	21	24	20
42	13	22	23	22	21	23	19
43	13	41	22	21	21	24	19
44	14	0	21	22	21	23	19
45	*	*	22	21	21	23	19

1102

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

06	7-07	7-08	7-09	7-10	7-11	7-13	7-15	7-16
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
IT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
TR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
IN	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.4	STG.4
BD	OUTBD	TEMP	OIL	TEMP	4.30	OIL	3.00	4.30
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
21	20	24	19	19	21	19	21	20
1	21	23	18	19	20	19	21	20
1	21	24	19	19	21	19	22	20
1	20	24	19	19	21	19	22	21
0	21	24	18	20	21	19	22	19
1	21	23	19	19	21	19	22	20
1	21	23	19	19	22	19	21	20
0	21	23	19	19	22	19	21	20
1	21	22	18	19	21	19	21	20
2	21	24	19	19	21	19	20	21
1	20	24	18	19	21	19	21	20
1	20	23	19	19	21	19	21	20
1	21	23	19	19	21	19	22	20
0	21	24	19	18	21	19	21	20
0	21	24	19	19	21	19	21	20
1	20	23	18	19	22	19	21	21
0	21	24	18	19	21	19	21	20
0	20	23	18	19	21	20	21	20
1	20	25	19	19	21	19	21	20
1	20	24	18	19	21	19	21	21
1	21	24	20	19	21	19	22	20
1	21	23	19	19	21	19	21	20
1	21	23	19	19	21	19	21	20
0	21	23	18	19	21	19	22	20
0	20	23	19	19	21	19	21	20
1	21	22	19	19	21	19	21	20
1	20	24	19	19	22	19	20	20
2	21	24	19	20	21	20	21	21
1	22	24	19	20	21	20	21	21
2	22	24	19	19	22	20	21	21
2	21	23	19	19	22	20	22	21
2	22	24	19	20	21	19	22	20
2	23	24	20	19	22	20	21	21
1	21	24	19	20	21	20	21	20
1	21	24	19	20	21	20	21	20
1	21	24	19	19	22	20	20	21
1	21	24	19	19	22	20	22	21
1	21	23	20	19	21	20	21	21
1	21	23	19	19	22	20	21	21
2	21	23	19	19	22	20	21	21
2	21	24	20	19	21	19	21	20
2	21	23	19	19	21	20	21	20
1	21	24	19	19	21	20	22	20
2	21	23	19	19	22	20	21	20
1	21	23	19	19	22	20	21	21

2

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
46	*	*	22	22	21	23	19
47	14	57	22	21	22	24	19
48	*	*	22	22	21	24	20
49	*	14	23	21	22	24	19
50	*	33	22	22	22	24	20
51	*	52	22	22	21	23	20
52	*	*	23	21	22	24	20
53	16	50	22	23	21	24	20
54	17	8	23	22	22	24	20
55	17	27	22	22	21	23	19
56	17	46	21	22	21	24	20
57	18	5	22	22	21	23	20
58	18	24	22	22	21	24	19
59	18	42	21	21	21	24	19
60	19	1	22	20	22	23	20
61	19	20	22	21	21	23	19
62	19	39	22	22	21	24	20
63	19	58	22	22	22	24	20
64	20	17	22	22	21	23	20
65	20	35	22	22	21	24	20
66	20	54	23	21	22	24	20
67	21	13	23	21	22	24	20
68	21	32	21	22	21	24	20
69	21	51	22	22	21	24	19
70	22	9	22	22	22	24	20
71	22	28	22	21	21	24	20
72	22	47	23	21	22	24	20
73	23	6	21	22	22	24	20
74	23	25	22	22	22	24	20
75	23	43	22	22	22	24	20
76	24	2	23	22	22	24	21
77	24	21	22	22	22	24	20
78	24	40	22	22	22	24	19
79	24	59	22	22	21	26	19
80	25	18	22	21	22	25	20
81	25	36	22	22	22	25	20
82	25	55	22	22	23	25	20
83	26	14	22	22	22	25	20
84	26	33	23	22	23	24	20
85	26	52	23	22	23	25	21
86	27	10	22	22	22	25	20
87	27	29	23	21	22	25	20
88	27	48	22	23	22	25	19
89	28	7	24	22	22	24	20
90	28	26	23	22	23	25	20
91	28	44	23	22	23	25	20
92	29	3	23	22	23	25	22
93	29	22	24	23	23	29	23
94	29	41	24	23	23	30	27
95	29	59	24	22	23	31	29

7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
21	23	19	19	22	20	21	21
22	24	19	19	22	21	21	20
21	24	20	19	22	20	21	20
22	24	19	20	21	20	22	21
22	24	20	19	22	20	21	21
21	23	20	20	22	20	22	21
22	24	20	20	21	20	22	21
21	24	20	20	22	20	21	21
22	24	20	20	22	20	22	20
21	23	19	20	21	20	21	21
21	24	20	19	22	21	21	21
21	23	20	19	22	20	21	21
21	24	19	19	22	20	21	20
21	24	19	19	22	20	21	20
22	23	20	19	21	19	22	20
21	23	19	20	21	20	22	20
21	24	20	20	22	20	22	21
22	24	20	20	21	21	21	20
21	23	20	20	22	20	21	21
21	24	20	20	23	20	21	21
22	24	20	20	21	20	22	20
22	24	20	21	21	19	22	21
21	24	20	19	22	20	21	21
21	24	19	20	23	21	22	21
22	24	20	20	21	20	22	20
21	24	20	20	22	20	22	22
22	24	20	20	22	21	22	21
22	24	20	20	22	21	21	22
22	24	20	21	22	20	23	20
22	24	20	20	22	21	21	22
22	24	21	20	23	20	21	21
22	24	20	19	22	20	21	21
22	24	19	19	22	20	23	22
21	26	19	20	24	22	26	25
22	25	20	22	24	22	28	26
22	25	20	21	25	22	29	27
23	25	20	21	26	21	28	27
22	25	20	22	26	22	28	29
23	24	20	21	26	22	28	27
23	25	21	21	27	22	29	28
22	25	20	21	27	22	27	28
22	25	20	22	27	21	28	28
22	25	19	22	28	23	27	28
22	24	20	22	27	22	28	27
23	25	20	23	27	22	28	28
23	25	20	22	28	23	28	28
23	25	22	22	28	22	29	27
23	29	23	24	29	29	33	29
23	30	27	25	30	32	40	36
23	31	29	28	30	36	45	40

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	E
96	30	18	24	24	24	31	32	
97	30	37	24	23	24	32	34	
98	30	56	26	24	25	33	36	
99	31	15	25	24	24	34	39	
100	31	33	25	24	24	33	41	
101	31	52	25	24	25	33	43	
102	32	11	26	24	26	33	45	
103	32	30	27	25	26	34	47	
104	32	49	29	26	27	33	49	
105	33	7	31	28	27	34	51	
106	33	26	31	27	28	33	53	
107	33	45	33	29	29	34	54	
108	34	4	33	30	29	34	57	
109	34	23	34	30	31	35	58	
110	34	41	36	31	30	34	60	
111	35	0	37	32	30	35	60	
112	35	19	38	32	31	34	62	
113	35	38	39	34	31	36	63	
114	35	57	40	34	32	34	63	
115	36	15	41	34	33	35	63	
116	36	34	41	35	33	34	64	
117	36	53	42	36	33	35	64	
118	37	12	43	36	34	34	64	
119	37	30	43	37	35	35	64	
120	37	49	44	38	35	34	64	
121	38	8	45	38	35	35	64	
122	38	27	45	38	36	34	64	
123	38	46	45	39	35	35	64	
124	39	4	45	40	36	36	64	
125	39	23	47	39	37	36	65	
126	39	42	47	41	37	37	66	
127	40	1	48	41	37	36	65	
128	40	19	48	41	37	35	66	
129	40	38	48	42	38	35	67	
130	40	57	48	42	38	35	67	
131	41	16	48	42	39	34	68	
132	41	35	48	42	39	35	69	
133	41	53	49	43	39	35	70	
134	42	12	50	43	40	35	70	
135	42	31	50	45	39	36	71	
136	42	50	51	44	39	35	72	
137	43	7	52	45	40	36	72	
138	43	27	53	46	40	36	72	
139	43	46	53	45	41	35	73	
140	44	5	54	47	40	36	73	
141	44	24	54	47	42	36	74	
142	44	42	55	48	41	37	74	
143	45	1	54	48	42	36	73	
144	45	20	55	49	43	36	74	
145	45	39	55	49	43	37	74	

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
24	24	31	32	29	32	39	47	45
23	24	32	34	29	34	43	50	48
24	25	33	36	31	34	47	51	48
24	24	34	39	32	36	48	53	48
24	24	33	41	31	37	51	53	49
24	25	33	43	33	38	56	62	53
24	26	33	45	31	40	62	77	65
25	26	34	47	30	42	66	82	74
26	27	33	49	29	44	70	92	80
28	27	34	51	28	44	75	95	84
27	28	33	53	28	45	76	94	85
29	29	34	54	26	46	78	96	85
30	29	34	57	28	46	80	96	87
30	31	35	58	29	48	82	96	87
31	30	34	60	29	47	82	96	88
32	30	35	60	28	47	85	97	87
32	31	34	62	29	48	86	96	87
34	31	36	63	31	47	85	83	82
34	32	34	63	32	46	84	83	79
34	33	35	63	31	46	84	83	78
35	33	34	64	31	47	85	82	78
36	33	35	64	32	47	85	82	77
36	34	34	64	32	47	86	83	78
37	35	35	64	32	48	87	83	76
38	35	34	64	32	48	87	83	77
38	35	35	64	33	47	88	83	76
38	36	34	64	33	48	87	83	77
39	35	36	64	32	48	88	84	77
40	36	36	64	32	48	87	84	79
39	37	36	65	33	49	89	85	78
41	37	37	66	32	48	89	87	80
41	37	36	65	33	48	89	85	79
41	37	35	66	31	49	91	92	82
42	38	35	67	30	49	92	98	90
42	38	35	67	28	49	93	102	94
42	39	34	68	29	49	94	105	96
42	39	35	69	28	48	96	105	97
43	39	35	70	27	49	96	106	97
43	40	35	70	27	49	97	107	98
45	39	36	71	26	50	97	107	99
44	39	35	72	26	50	97	107	99
45	40	36	72	28	50	98	107	99
46	40	36	72	29	49	98	108	98
45	41	35	73	28	50	98	108	98
47	40	36	73	27	50	100	108	99
47	42	36	74	27	49	100	108	98
48	41	37	74	27	51	101	109	99
48	42	36	73	27	51	101	109	100
49	43	36	74	27	51	101	108	100
49	43	37	74	27	51	102	108	100

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	E
146	45	57	56	49	43	37	74	
147	46	16	57	49	42	36	74	
148	46	35	58	49	43	37	75	
149	46	54	58	50	43	36	75	
150	47	13	57	50	44	36	75	
151	47	31	58	50	45	36	75	
152	47	50	58	51	44	36	75	
153	48	9	59	51	45	36	75	
154	48	28	59	51	45	36	75	
155	48	46	60	52	45	37	75	
156	49	5	59	52	45	37	75	
157	49	24	60	51	46	36	76	
158	49	43	60	52	46	37	75	
159	50	1	62	53	46	37	76	
160	50	20	61	53	46	38	74	
161	50	39	61	54	46	37	74	
162	50	58	60	54	46	36	73	
163	51	17	61	53	46	35	73	
164	51	35	60	53	47	35	72	
165	51	54	60	54	47	37	73	
166	52	13	62	53	47	37	75	
167	52	32	62	53	47	37	75	
168	52	50	61	54	47	37	76	
169	53	9	62	54	47	38	78	
170	53	28	62	54	48	38	77	
171	53	47	63	55	48	38	78	
172	54	5	63	56	48	38	79	
173	54	24	64	55	48	38	80	
174	54	43	64	56	48	38	79	
175	55	2	65	57	48	39	80	
176	55	20	64	57	48	38	78	
177	55	39	64	58	48	37	77	
178	55	58	63	58	49	37	75	
179	56	17	63	57	48	37	74	
180	56	35	64	57	49	37	73	
181	56	54	64	57	48	37	73	
182	57	13	63	57	48	37	72	
183	57	32	63	56	48	37	72	
184	57	51	63	57	48	37	72	
185	58	3	63	57	49	36	72	
186	58	28	63	57	48	37	72	
187	58	47	63	57	48	37	72	
188	59	6	63	57	48	37	71	
189	59	24	63	57	49	37	72	
190	59	43	63	57	49	37	71	
191	60	2	63	57	48	37	71	
192	60	21	63	57	50	37	73	
193	*	*	63	57	48	37	73	
194	60	58	63	58	48	38	75	
195	61	17	64	57	49	38	76	

-06	7-07	7-08	7-09	7-10	7-11	7-13	7-15	7-16
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
IT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
KIN	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.4	STG.4
BD	OUTBD	TEMP	OIL	TEMP	4.30	OIL	3.00	4.30
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
49	43	37	74	26	51	101	109	100
49	42	36	74	26	50	102	109	99
49	43	37	75	27	51	102	109	99
50	43	36	75	26	52	101	109	100
50	44	36	75	26	51	101	109	99
50	45	36	75	28	51	102	109	99
51	44	36	75	27	52	103	108	100
51	45	36	75	27	51	102	109	100
51	45	36	75	27	51	102	109	99
52	45	37	75	27	52	103	109	100
52	45	37	75	27	53	104	110	100
51	46	36	76	27	52	103	110	100
52	46	37	75	29	52	103	101	96
53	46	37	76	30	53	100	95	89
53	46	38	74	31	52	99	92	86
54	46	37	74	31	52	99	89	84
54	46	36	73	32	52	98	90	85
53	46	35	73	32	52	98	93	85
53	47	35	72	29	51	100	105	94
54	47	37	73	28	52	101	110	100
53	47	37	75	26	51	103	113	104
53	47	37	75	26	50	104	114	106
54	47	37	76	24	50	104	116	107
54	47	38	78	26	51	106	116	108
54	48	38	77	25	51	106	116	109
55	48	38	78	25	50	107	118	108
56	48	38	79	25	51	107	117	110
55	48	38	80	26	51	108	118	108
56	48	38	79	24	51	109	119	109
57	48	39	80	27	53	106	109	106
57	48	38	78	30	52	104	95	94
58	48	37	77	31	51	101	90	86
58	49	37	75	32	49	99	86	82
57	48	37	74	33	49	98	83	81
57	49	37	73	33	50	97	88	81
57	48	37	73	32	50	97	93	84
57	48	37	72	32	49	96	92	85
56	48	37	72	32	49	96	92	87
57	48	37	72	31	49	97	95	86
57	49	36	72	31	51	97	94	88
57	48	37	72	32	50	96	95	86
57	48	37	72	31	49	96	94	87
57	48	37	71	32	49	96	94	87
57	49	37	72	32	49	96	94	87
57	49	37	71	32	48	96	95	87
57	48	37	71	32	50	96	95	88
57	50	37	73	29	51	98	107	95
57	48	37	73	27	51	101	112	101
58	48	38	75	25	53	103	114	106
57	49	38	76	26	53	104	115	106

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
196	61	36	64	58	49	38	78
197	61	54	64	58	49	38	79
198	62	13	65	58	50	38	78
199	62	33	65	58	50	38	78
200	62	51	65	59	50	38	80
201	63	9	66	58	50	39	80
202	63	28	66	59	51	38	80
203	63	47	67	60	50	38	78
204	64	6	66	60	50	37	77
205	64	24	67	60	51	36	77
206	64	43	67	61	50	37	75
207	65	2	66	61	51	37	75
208	65	21	66	59	50	38	76
209	65	39	67	60	50	37	76
210	65	58	67	60	50	37	75
211	66	17	65	61	51	36	74
212	66	35	67	60	51	37	75
213	66	54	67	60	50	37	76
214	67	13	67	60	51	38	77
215	67	32	68	62	52	40	77
216	67	50	67	60	51	37	76
217	68	9	67	60	52	37	76
218	68	28	67	62	52	37	77
219	68	47	67	61	52	37	79
220	69	5	68	61	52	37	79
221	69	24	68	61	52	38	79
222	69	43	68	61	52	39	80
223	70	2	69	62	52	38	79
224	70	20	68	62	52	38	78
225	70	39	70	61	52	38	77
226	70	58	69	61	52	37	77
227	71	17	69	63	51	38	77
228	71	35	69	63	51	38	77
229	71	54	69	63	52	38	76
230	72	13	69	62	53	38	76
231	72	32	69	62	52	37	76
232	72	50	68	63	52	36	76
233	73	9	69	62	52	37	76
234	73	28	69	63	52	38	76
235	73	47	69	62	52	37	77
236	74	5	69	63	53	36	75
237	74	24	68	63	52	36	75
238	74	43	68	62	53	36	76
239	75	1	69	62	53	37	77
240	75	20	70	62	53	36	76
241	75	39	70	63	53	37	76
242	75	58	70	64	52	37	74
243	76	16	69	63	53	36	73
244	76	35	69	63	53	37	73
245	76	54	68	62	53	37	75

Roll

-06	7-07	7-08	7-09	7-10	7-11	7-13	7-15	7-16
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
KIN	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.4	STG.4
NBD	OUTBD	TEMP	OIL	TEMP	4.30	OIL	3.00	4.30
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
58	49	38	78	25	54	105	116	108
58	49	38	79	25	53	107	117	109
58	50	38	78	25	53	107	117	109
58	50	38	78	25	53	108	119	109
59	50	38	80	24	53	109	118	110
58	50	39	80	25	54	110	119	109
59	51	38	80	26	54	107	112	105
60	50	38	78	28	54	105	103	97
60	50	37	77	29	54	103	97	92
60	51	36	77	31	53	101	93	87
61	50	37	75	30	53	100	97	87
61	51	37	75	28	53	103	108	96
59	50	38	76	27	53	105	111	101
60	50	37	76	29	53	101	96	93
60	50	37	75	32	53	101	90	87
61	51	36	74	29	52	100	100	88
60	51	37	75	28	53	102	110	96
60	50	37	76	26	53	104	113	103
60	51	38	77	27	54	104	108	103
62	52	40	77	30	53	102	92	94
60	51	37	76	31	53	100	97	90
60	52	37	76	28	53	102	109	98
62	52	37	77	25	54	104	113	105
61	52	37	79	25	54	107	116	109
61	52	37	79	24	53	108	117	109
61	52	38	79	25	53	109	119	111
61	52	39	80	26	54	108	113	108
62	52	38	79	28	54	106	108	102
62	52	38	78	29	54	105	106	98
61	52	38	77	30	54	103	104	96
61	52	37	77	29	54	104	103	96
63	51	38	77	29	53	102	103	95
63	51	38	77	29	54	102	102	95
63	52	38	76	29	54	102	101	95
62	53	38	76	31	54	101	101	92
62	52	37	76	30	53	101	100	93
63	52	36	76	29	53	102	108	97
62	52	37	76	26	53	105	114	103
63	52	38	76	28	54	102	99	97
62	52	37	77	29	53	101	93	89
63	53	36	75	32	53	99	93	86
63	52	35	75	29	53	103	108	96
62	53	36	76	26	53	105	112	104
62	53	37	77	28	54	102	101	99
62	53	36	76	31	53	101	94	91
63	53	37	76	32	53	100	87	85
64	52	37	74	33	53	98	80	81
63	53	36	73	32	51	99	96	84
63	53	37	73	29	52	101	107	96
62	53	37	75	27	53	104	112	104

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
246	77	13	68	63	52	37	76
247	77	31	69	63	53	39	77
248	77	50	69	63	53	39	77
249	78	9	69	62	53	37	76
250	78	28	68	63	53	36	75
251	78	46	69	62	53	37	76
252	79	5	70	63	53	39	77
253	79	24	69	63	53	37	75
254	79	42	70	63	54	36	76
255	80	1	69	63	54	37	77
256	80	20	70	63	53	37	77
257	80	39	70	63	52	37	76
258	80	57	70	62	53	37	76
259	81	16	70	63	53	36	73
260	81	35	69	62	53	37	73
261	81	54	69	62	52	37	74
262	82	12	69	63	53	37	75
263	82	31	69	63	53	38	75
264	82	50	69	64	53	38	76
265	83	9	69	63	54	39	74
266	83	27	69	64	53	38	73
267	83	46	69	63	53	36	72
268	84	5	68	63	53	36	72
269	84	24	69	63	54	37	74
270	84	42	69	62	53	38	75
271	85	1	69	63	53	39	76
272	85	20	70	63	53	39	75
273	85	38	69	64	53	38	75
274	85	57	69	63	53	38	73
275	86	16	68	63	54	36	72
276	86	35	68	63	54	36	74
277	86	53	68	63	54	37	75
278	87	12	69	62	53	37	76
279	87	31	69	62	53	36	78
280	87	50	70	63	52	37	79
281	88	8	70	63	53	37	79
282	88	27	70	63	53	37	80
283	88	46	70	63	53	37	80
284	89	5	71	63	52	37	80
285	89	23	70	64	53	37	82
286	89	42	72	64	54	37	82
287	90	1	73	64	53	37	82
288	90	20	72	64	53	37	82
289	90	38	72	64	54	37	82
290	90	57	72	64	54	37	83
291	91	16	73	65	55	37	83
292	91	35	73	66	53	38	83
293	91	53	72	65	54	38	84
294	92	12	73	65	54	38	84
295	92	31	73	65	54	37	83

1107

06	7-07	7-08	7-09	7-10	7-11	7-13	7-15	7-16
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
KIN	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.4	STG.4
BD	OUTBD	TEMP	OIL	TEMP	4.30	OIL	3.00	4.30
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
53	52	37	76	25	52	105	114	107
53	53	39	77	29	53	103	98	99
53	53	39	77	30	53	101	88	91
2	53	37	76	31	53	100	96	88
3	53	36	75	28	53	102	108	97
2	53	37	76	26	53	104	110	104
3	53	39	77	30	54	102	95	96
3	53	37	75	30	54	101	98	91
3	54	36	76	28	53	104	111	101
3	54	37	77	27	53	105	110	105
3	53	37	77	29	53	102	97	96
3	52	37	76	30	53	100	92	88
2	53	37	76	32	52	100	88	83
3	53	36	73	33	53	98	85	81
2	53	37	73	31	51	99	100	88
2	52	37	74	27	52	102	110	98
3	53	37	75	28	53	102	106	101
3	53	38	75	30	53	101	91	93
4	53	38	76	32	53	98	84	87
3	54	39	74	34	53	97	80	82
3	53	38	73	35	52	96	77	80
3	53	36	72	33	52	96	92	82
3	53	36	72	29	52	100	106	96
3	54	37	74	26	53	104	113	105
2	53	38	75	27	53	103	107	105
3	53	39	76	30	53	100	92	94
3	53	39	75	32	53	98	84	87
3	53	38	75	34	53	97	80	82
3	53	38	73	34	52	98	82	80
3	54	36	72	32	52	98	101	89
3	54	36	74	27	52	102	109	100
3	54	37	75	26	53	105	114	107
3	53	37	76	25	53	106	117	110
3	53	36	78	24	53	108	119	111
3	52	37	79	25	53	109	119	112
3	53	37	79	24	53	110	119	112
3	53	37	80	25	53	110	121	111
3	53	37	80	24	54	111	121	111
3	52	37	80	24	54	111	121	112
3	53	37	82	24	54	112	121	112
3	54	37	82	24	54	112	121	113
3	53	37	82	25	55	112	121	112
3	53	37	82	25	55	113	122	112
3	54	37	82	25	55	113	122	113
3	54	37	83	24	55	113	122	114
3	55	37	83	24	55	114	122	115
3	53	38	83	24	55	113	121	114
3	54	38	84	24	55	114	122	114
3	54	38	84	24	55	114	122	114
3	54	37	83	24	56	114	122	115

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
296	92	50	74	66	54	38	84
297	93	8	74	65	54	37	84
298	93	27	74	65	55	38	84
299	93	46	74	66	54	37	84
300	94	3	74	66	55	39	84
301	94	23	75	[illegible]	55	39	84
302	94	42	75	65	55	39	82
303	95	1	75	66	54	39	82
304	95	19	75	67	55	38	80
305	95	38	75	66	55	38	80
306	95	57	74	65	55	38	78
307	96	16	75	66	56	38	78
308	96	34	73	66	55	37	78
309	*	*	*	*	*	*	*
310	*	*	*	*	*	*	*
311	*	*	*	*	*	*	*
312	*	*	*	*	*	*	*
313	97	42	71	65	54	36	75
314	98	0	72	66	55	35	75
315	98	19	72	66	54	37	73
316	98	38	72	66	55	35	73
317	98	56	71	64	55	36	72
318	99	15	71	65	55	35	71
319	99	34	71	65	54	37	71
320	99	53	71	65	54	38	71
321	100	11	70	64	54	36	71
322	100	30	69	65	55	35	70
323	100	49	69	64	55	35	69
324	101	7	69	64	54	35	70
325	101	26	69	64	54	36	68
326	101	45	70	64	54	37	67
327	102	4	69	64	53	37	68
328	102	22	68	64	53	37	69
329	102	41	68	63	54	35	67
330	103	6	67	64	54	35	67
331	103	19	68	62	54	35	68
332	103	37	68	63	53	36	68
333	103	56	68	63	53	36	68
334	104	15	67	64	53	35	67
335	104	33	66	63	53	35	66
336	104	52	67	61	52	36	67
337	105	11	66	63	53	34	66
338	105	30	66	63	53	34	66
339	105	48	66	63	53	34	65
340	106	7	66	63	53	34	65
341	106	26	66	63	52	34	65
342	106	44	65	62	53	34	64
343	107	3	66	61	51	33	64
344	107	22	65	60	52	35	65
345	107	41	64	62	52	34	64

Speedflex ® Moore Business Forms, Inc. Pat'd

-06	7-07	7-08	7-09	7-10	7-11	7-13	7-15	7-16
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
KIN	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.4	STG.4
BD	OUTBD	TEMP	OIL	TEMP	4.30	OIL	3.00	4.30
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
66	54	38	84	24	54	114	122	114
65	54	37	84	26	54	114	123	113
65	55	38	84	25	54	115	123	113
66	54	37	84	24	56	114	122	115
66	55	39	84	24	56	114	117	113
67	55	39	84	28	56	111	104	102
65	55	39	82	29	55	108	98	95
66	54	39	82	31	55	107	93	89
67	55	38	80	32	53	105	92	85
66	55	38	80	33	54	104	89	84
65	55	38	78	34	54	102	88	82
66	56	38	78	34	54	102	88	82
66	55	37	78	34	54	101	88	82
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
65	54	36	75	30	53	101	97	92
66	55	35	75	33	52	98	90	87
66	54	37	73	33	51	97	85	82
66	55	35	73	34	51	97	83	81
64	55	36	72	34	50	96	86	80
65	55	35	71	35	50	96	85	81
65	54	37	71	36	49	95	82	79
65	54	38	71	34	51	96	90	82
64	54	36	71	35	50	94	84	83
65	55	35	70	36	48	93	78	79
64	55	35	69	35	48	92	82	78
64	54	35	70	34	49	93	84	80
64	54	36	68	36	50	93	77	79
64	54	37	67	37	48	91	76	75
64	53	37	68	35	50	92	85	79
64	53	37	69	35	50	91	82	81
63	54	35	67	37	48	92	77	78
64	54	35	67	38	48	89	74	76
62	54	35	68	36	48	91	84	77
63	53	36	68	35	48	91	88	79
63	53	36	68	36	50	93	82	81
64	53	35	67	36	48	90	77	79
63	53	35	66	36	48	90	80	76
61	52	36	67	36	48	90	83	78
63	53	34	66	36	48	90	77	78
63	53	34	66	37	48	89	77	75
63	53	34	65	37	48	89	79	74
63	53	34	65	37	48	89	78	77
63	52	34	65	37	47	88	73	75
62	53	34	64	38	46	87	70	73
61	51	33	64	37	47	88	81	74
60	52	35	65	36	47	88	82	78
62	52	34	64	37	47	89	75	77

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
346	107	59	65	61	52	34	64
347	108	18	65	61	50	34	65
348	108	37	64	61	52	33	64
349	108	55	63	61	52	33	64
350	109	14	63	61	52	33	63
351	109	33	64	61	52	33	63
352	109	52	64	60	52	33	62
353	110	10	64	60	50	32	62
354	110	29	63	60	50	33	62
355	110	48	63	59	51	33	61
356	111	6	63	59	50	33	61
357	111	25	63	59	50	34	61
358	111	44	63	59	50	33	61
359	112	3	62	59	50	33	60
360	112	21	61	58	50	32	61
361	112	40	62	59	49	33	61
362	112	59	62	58	50	32	61
363	113	17	60	58	49	33	60
364	113	36	61	58	50	33	61
365	113	55	60	59	49	32	61
366	114	14	61	58	49	33	60
367	114	32	61	58	49	33	60
368	114	51	61	57	49	33	61
369	115	10	61	57	49	32	61
370	115	28	60	58	49	34	59
371	115	47	60	58	48	33	61
372	116	6	59	57	48	33	61
373	116	25	61	56	49	34	60
374	116	43	60	56	49	34	61
375	117	2	60	56	48	34	60
376	117	21	59	56	48	34	61
377	117	39	60	56	48	33	61
378	117	58	60	56	48	33	60
379	118	17	59	56	48	34	60
380	118	35	59	56	48	33	60
381	118	54	59	56	48	34	60
382	119	13	59	55	48	34	60
383	119	32	58	56	48	33	60
384	119	50	59	55	48	34	61
385	120	9	59	55	48	34	61
386	120	28	59	57	48	34	60
387	120	46	59	55	48	33	60
388	121	5	58	55	48	33	61
389	121	24	59	54	48	33	60
390	121	43	58	54	48	33	61
391	122	1	59	54	47	34	62
392	122	20	59	53	47	34	63
393	122	39	58	53	47	35	64
394	122	57	59	53	46	34	64
395	123	16	59	54	47	36	64

7-06 ENG.1 IGNIT EXCITR SKIN INBD EG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C
61	52	34	64	38	45	87	77	74
61	50	34	65	36	47	88	80	77
61	52	33	64	37	47	87	72	75
61	52	33	64	37	45	87	71	73
61	52	33	63	38	45	85	69	72
61	52	33	63	39	44	84	69	71
60	52	33	62	38	44	83	68	70
60	50	32	62	40	44	84	68	69
60	50	33	62	39	43	84	68	69
59	51	33	61	39	43	83	67	69
59	50	33	61	40	43	83	68	68
59	50	34	61	39	43	83	67	69
59	50	33	61	39	44	82	68	69
59	50	33	60	40	42	82	68	68
58	50	32	61	40	44	82	67	69
59	49	33	61	39	43	82	67	69
58	50	32	61	39	42	82	67	69
58	49	33	60	39	43	81	67	69
58	50	33	61	40	42	82	67	69
59	49	32	61	39	43	82	68	70
58	49	33	60	40	43	81	67	70
58	49	33	60	40	42	81	67	68
57	49	33	61	39	43	82	67	69
57	49	32	61	39	43	81	68	69
58	49	34	59	41	43	82	68	69
58	48	33	61	39	43	81	67	70
57	48	33	61	40	44	80	68	70
56	49	34	60	40	43	82	68	69
56	49	34	61	39	44	81	68	70
56	48	34	60	39	43	81	68	70
56	48	34	61	40	43	82	67	70
56	48	33	61	40	43	82	68	69
56	48	33	60	41	43	82	68	69
56	48	34	60	40	44	82	68	69
56	48	33	60	41	44	81	67	69
56	48	34	60	40	44	82	68	70
55	48	34	60	40	44	81	67	70
56	48	33	60	41	43	82	67	70
55	48	34	61	40	44	81	68	71
55	48	34	61	41	44	82	67	70
57	48	34	60	41	44	82	68	70
55	48	33	60	40	43	81	68	70
55	48	33	61	41	43	82	69	70
54	48	33	60	42	43	82	68	69
54	48	33	61	40	44	82	72	69
54	47	34	62	39	45	83	77	73
53	47	34	63	39	46	84	80	75
53	47	35	64	38	47	84	81	76
53	46	34	64	39	47	86	82	77
54	47	36	64	39	48	87	82	78

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
396	123	35	59	54	47	35	65
397	123	53	60	53	48	34	66
398	124	12	60	54	48	35	67
399	124	31	59	53	48	35	67
400	124	49	61	54	48	34	67
401	125	8	61	53	48	34	68
402	125	27	61	54	47	34	67
403	125	46	60	53	48	33	69
404	126	4	62	54	48	33	68
405	126	23	61	54	47	34	68
406	126	42	61	55	47	34	68
407	127	0	62	54	48	33	69
408	127	19	62	54	48	33	68
409	127	38	61	54	47	34	68
410	127	56	60	54	47	34	68
411	128	15	61	53	47	32	67
412	128	34	61	55	47	33	68
413	128	52	60	54	48	33	68
414	129	11	61	54	48	30	67
415	129	30	60	54	47	30	67
416	129	48	61	55	48	32	69
417	130	7	61	55	47	32	70
418	130	26	63	54	47	32	71
419	130	45	63	55	47	33	73
420	131	3	63	54	47	33	74
421	131	22	64	57	48	34	75
422	131	41	64	56	48	34	77
423	131	59	64	56	48	35	76
424	132	18	65	58	48	33	75
425	132	37	64	58	49	33	74
426	132	55	64	58	48	33	75
427	133	14	66	58	48	34	76
428	133	33	66	58	48	33	75
429	133	51	67	59	48	34	74
430	134	10	66	59	49	33	74
431	134	29	67	58	49	33	72
432	134	48	66	58	48	34	70
433	135	6	66	59	48	34	71
434	135	25	65	59	48	33	69
435	135	44	65	59	49	34	70
436	136	2	65	61	51	40	70
437	136	21	64	61	51	44	71
438	136	40	64	61	51	48	70
439	136	58	63	61	50	50	70
440	137	17	64	60	50	52	69
441	137	36	63	60	51	51	68
442	137	54	63	59	51	50	68
443	*	*	*	*	*	*	*

OIII

-06	7-07	7-08	7-09	7-10	7-11	7-13	7-15	7-16
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
KIN	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.4	STG.4
MBD	OUTBD	TEMP	OIL	TEMP	4.30	OIL	3.00	4.30
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
54	47	35	65	39	48	89	83	79
53	48	34	66	39	48	88	84	77
54	48	35	67	39	48	89	84	78
53	48	35	67	40	49	90	83	79
54	48	34	67	39	48	90	84	78
53	48	34	68	40	48	89	84	79
54	47	34	67	40	49	91	84	78
53	48	33	69	40	48	90	84	79
54	48	33	68	40	48	90	84	78
54	47	34	68	40	48	90	83	78
55	47	34	68	40	48	91	83	78
54	48	33	69	40	48	89	82	78
54	48	33	68	40	48	90	84	78
54	47	34	68	40	49	90	82	78
54	47	34	68	39	49	91	82	78
53	47	32	67	40	49	90	82	78
55	47	33	68	39	50	91	81	77
54	48	33	68	40	49	89	82	77
54	48	30	67	37	49	93	94	82
54	47	30	67	33	48	96	103	95
55	48	32	69	31	49	98	108	101
55	47	32	70	32	48	100	113	104
54	47	32	71	30	48	101	114	106
55	47	33	73	*	48	103	116	107
54	47	33	74	29	48	104	116	109
57	48	34	75	30	49	105	117	108
56	48	34	77	29	51	105	113	106
56	48	35	76	32	50	102	103	98
58	48	33	75	32	50	103	104	94
58	49	33	74	31	50	103	111	101
58	48	33	75	30	49	105	114	106
58	48	34	76	31	48	104	107	104
58	48	33	75	34	49	100	95	92
59	48	34	74	36	50	100	88	85
59	49	33	74	36	48	96	86	80
58	49	33	72	37	48	96	84	78
58	48	34	70	37	49	95	82	77
59	48	34	71	38	48	93	78	74
59	48	33	69	38	48	93	75	73
59	49	34	70	40	47	90	67	67
61	51	40	70	41	47	89	61	62
61	51	44	71	41	46	87	56	56
61	51	48	70	42	45	87	53	53
61	50	50	70	41	44	85	51	50
60	50	52	69	41	43	84	51	49
60	51	51	68	42	43	83	50	48
59	51	50	68	40	42	80	49	48
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C
1	0	17	19	29	19	25	24
2	0	36	20	29	19	25	24
3	*	*	19	29	19	25	24
4	*	54	19	30	19	25	24
5	*	13	20	29	19	25	24
6	*	*	19	29	19	25	24
7	2	11	19	29	19	25	24
8	*	*	19	29	19	25	23
9	*	*	19	29	19	25	23
10	3	8	19	29	19	25	23
11	*	*	19	29	19	24	24
12	3	46	19	29	20	24	24
13	*	*	19	29	19	25	24
14	*	4	20	29	19	25	24
15	*	23	20	29	19	25	24
16	*	42	19	29	19	24	24
17	*	0	19	29	19	25	24
18	*	19	19	29	19	24	24
19	*	*	19	29	19	25	24
20	6	17	19	30	19	24	24
21	*	*	20	29	19	25	23
22	*	35	19	30	19	25	23
23	*	*	20	30	20	25	24
24	7	33	20	30	19	25	23
25	*	*	19	31	20	25	24
26	*	51	19	29	20	25	23
27	*	10	19	30	20	24	23
28	*	39	20	28	20	25	24
29	*	*	20	28	21	24	25
30	9	36	20	28	20	25	24
31	*	*	20	28	20	24	24
32	10	14	21	26	20	25	24
33	10	33	20	27	20	25	24
34	*	*	20	28	20	24	24
35	*	50	20	28	20	25	24
36	*	9	19	28	21	24	24
37	*	48	19	28	20	24	24
38	*	47	19	27	20	24	24
39	*	6	19	27	20	24	24
40	*	*	19	28	20	25	24
41	13	4	20	29	19	25	24
42	13	22	20	28	19	25	24
43	13	41	19	27	20	24	24
44	14	0	19	27	20	25	24
45	*	*	19	27	20	24	24

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-18 G.1 OIL LER AIR LET G.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
29	19	25	24	21	20	24	25	23
29	19	25	24	21	19	24	24	23
29	19	25	24	21	20	24	24	23
30	19	25	24	21	20	24	24	24
29	19	25	24	21	20	24	25	23
29	19	25	24	20	20	24	25	23
29	19	25	24	21	20	25	24	23
29	19	25	24	21	19	24	25	23
29	19	25	23	21	19	24	24	23
29	19	25	23	22	19	24	25	22
29	19	25	23	22	19	24	24	23
29	19	24	24	21	19	25	24	23
29	20	24	24	22	19	24	24	23
29	19	25	24	21	20	24	24	23
29	19	25	24	21	20	24	24	23
29	19	25	24	21	20	24	25	23
29	19	24	24	21	19	25	24	22
29	19	25	24	21	20	24	24	23
29	19	24	24	21	20	25	25	23
29	19	25	24	21	20	24	24	23
29	19	24	24	21	20	24	24	24
30	19	25	23	22	20	24	25	24
29	19	25	23	21	20	25	24	23
30	20	25	24	22	20	24	24	23
30	19	25	23	21	20	24	24	23
31	20	25	24	21	20	24	24	23
29	20	25	23	22	19	25	24	23
30	20	24	23	21	19	24	24	23
28	20	25	24	21	21	25	24	23
28	21	24	25	21	21	25	24	23
28	20	25	24	22	20	25	24	23
28	20	24	24	22	20	26	24	23
28	20	25	24	22	21	25	24	23
27	20	25	24	22	20	25	24	23
28	20	24	24	21	20	24	24	23
28	20	25	24	20	20	24	24	23
28	21	24	24	21	20	25	23	22
28	20	24	24	21	20	25	23	23
27	20	24	24	22	20	25	24	23
27	20	24	24	22	20	24	24	23
28	20	25	24	21	20	25	24	23
29	19	25	24	20	21	24	26	24
28	19	25	24	21	20	24	23	24
27	20	24	24	21	20	25	23	23
27	20	25	24	21	21	25	24	22
27	20	24	24	21	20	25	23	23

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C
46	*	*	20	27	21	24	24
47	14	57	19	28	20	24	24
48	*	*	20	29	20	25	24
49	*	14	20	29	20	25	24
50	*	33	20	29	20	24	24
51	*	52	19	30	20	24	24
52	*	*	20	30	20	25	24
53	16	50	20	30	21	25	24
54	17	8	21	30	20	25	24
55	17	27	19	31	20	24	24
56	17	46	19	31	20	24	24
57	18	5	19	31	20	25	24
58	18	24	19	31	20	25	24
59	18	42	20	31	20	25	23
60	19	1	20	31	20	24	24
61	19	20	20	32	20	25	24
62	19	39	20	31	20	24	24
63	19	58	20	32	19	25	24
64	20	17	20	31	20	25	24
65	20	35	20	32	21	25	24
66	20	54	20	31	20	25	24
67	21	13	20	31	20	25	24
68	21	32	21	32	20	25	24
69	21	51	20	32	21	25	24
70	22	9	20	32	20	26	25
71	22	28	19	32	21	25	24
72	22	47	20	32	21	25	25
73	23	6	20	32	20	25	24
74	23	25	20	31	20	27	24
75	23	43	21	32	21	26	25
76	24	2	20	32	21	25	25
77	24	21	21	31	20	26	24
78	24	40	22	32	21	26	20
79	24	59	23	34	22	26	22
80	25	18	25	33	25	25	22
81	25	36	26	33	27	26	22
82	25	55	27	32	27	26	22
83	26	14	27	32	28	26	22
84	26	33	27	33	28	26	23
85	26	52	27	32	29	26	23
86	27	10	26	32	28	26	24
87	27	29	27	32	28	26	23
88	27	48	27	33	29	25	24
89	28	7	27	32	29	26	23
90	28	26	27	32	28	26	23
91	28	44	27	32	29	25	23
92	29	3	27	32	29	25	23
93	29	22	30	32	29	25	29
94	29	41	34	34	34	29	32
95	29	59	40	34	39	31	35

18	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
22								
27	21	24	24	22	20	25	24	22
28	20	24	24	21	20	24	23	23
29	20	25	24	21	21	25	24	22
29	20	25	24	22	21	25	23	24
29	20	24	24	22	21	25	24	24
30	20	24	24	22	20	25	24	23
30	20	25	24	21	21	25	24	23
30	21	25	24	22	20	25	24	23
30	20	25	24	22	21	25	24	23
31	20	24	24	21	20	25	22	23
31	20	24	24	21	20	25	23	23
31	20	25	24	21	20	25	24	23
31	20	25	24	22	20	24	24	22
31	20	25	23	22	20	25	23	23
31	20	24	24	21	20	24	23	23
32	20	25	24	21	21	25	24	23
31	20	24	24	21	20	25	24	23
32	19	25	24	22	21	24	23	23
31	20	25	24	22	21	25	24	23
32	21	25	24	22	20	25	24	23
31	20	25	24	21	20	25	24	24
31	20	25	24	21	21	25	24	24
32	20	25	24	22	20	25	24	23
32	21	25	24	21	20	25	24	24
32	20	26	25	21	21	24	23	24
32	21	25	24	21	20	25	24	23
32	21	25	25	22	21	26	24	23
32	20	25	24	22	21	25	24	22
31	20	27	24	22	21	25	24	23
32	21	26	25	22	21	26	24	24
32	21	25	25	22	21	25	24	23
31	20	26	24	22	20	25	23	23
32	21	26	20	23	20	23	25	24
34	22	26	22	26	21	24	24	24
33	25	25	22	25	23	23	25	24
33	27	26	22	26	24	23	26	24
32	27	26	22	26	24	23	26	24
32	28	26	22	26	24	24	26	24
33	28	26	23	26	25	24	27	24
32	29	26	23	26	25	24	27	24
32	28	26	24	26	25	24	27	24
32	28	26	23	26	25	24	27	25
33	29	25	24	26	25	24	27	24
32	29	26	23	27	25	24	27	25
32	28	26	23	26	26	24	27	24
32	29	25	23	26	26	24	27	26
32	29	25	23	27	26	23	27	25
32	29	25	29	45	39	26	38	25
34	34	29	32	94	72	32	77	25
34	39	31	35	134	115	34	124	27

-01 SHEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C
96	30	18	44	33	45	33	40
97	30	37	47	33	49	35	43
98	30	56	48	34	53	37	47
99	31	15	48	33	54	39	48
100	31	33	50	33	56	41	51
101	31	52	53	33	58	40	56
102	32	11	66	32	67	39	63
103	32	30	74	32	84	42	67
104	32	49	80	31	99	43	70
105	33	7	84	32	111	47	73
106	33	26	85	30	118	49	76
107	33	45	86	31	121	51	79
108	34	4	88	30	125	52	80
109	34	23	89	31	126	54	82
110	34	41	89	31	126	54	83
111	35	0	89	31	126	54	85
112	35	19	90	30	127	56	87
113	35	38	83	31	125	56	86
114	35	57	79	30	113	56	86
115	36	15	81	30	106	57	86
116	36	34	82	30	105	57	87
117	36	53	83	30	104	57	87
118	37	12	84	30	102	56	86
119	37	30	83	30	103	57	87
120	37	49	84	29	102	58	86
121	38	8	83	29	104	58	87
122	38	27	85	29	103	58	88
123	38	46	85	30	104	58	88
124	39	4	86	31	104	59	87
125	39	23	87	31	105	58	89
126	39	42	86	31	106	59	88
127	40	1	87	31	107	58	90
128	40	19	88	30	107	59	89
129	40	38	93	29	114	60	92
130	40	57	96	31	122	60	94
131	41	16	98	31	128	61	95
132	41	35	98	30	132	63	95
133	41	53	99	31	134	63	96
134	42	12	99	30	135	63	96
135	42	31	99	32	137	63	97
136	42	50	99	31	137	63	97
137	43	7	99	32	137	63	98
138	43	27	100	32	137	64	98
139	43	46	100	31	137	64	99
140	44	5	100	32	137	64	99
141	44	24	100	31	138	65	101
142	44	42	100	32	138	64	101
143	45	1	100	32	138	65	100
144	45	20	101	31	138	64	101
145	45	39	100	31	138	66	101

7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
33	45	33	40	160	160	37	165	29
33	49	35	43	177	204	40	199	32
34	53	37	47	187	245	42	227	33
33	54	39	48	194	281	43	252	36
33	56	41	51	201	310	46	272	38
33	58	40	56	227	339	47	287	42
32	67	39	63	285	367	49	294	48
32	84	42	67	304	383	51	301	54
31	99	43	70	325	399	53	313	62
32	111	47	73	332	415	55	326	70
30	118	49	76	332	423	56	336	77
31	121	51	79	333	427	58	344	86
30	125	52	80	335	430	60	350	92
31	126	54	82	335	433	62	355	99
31	126	54	83	335	433	63	357	105
31	128	54	86	335	434	64	359	112
30	127	56	87	329	431	64	360	116
31	125	56	86	297	417	63	355	118
30	113	56	86	284	404	64	347	121
30	106	57	86	291	393	64	343	124
30	105	57	87	294	385	65	340	126
30	104	57	87	295	381	64	336	129
30	102	56	86	294	378	64	336	131
30	103	57	87	295	379	64	335	133
29	102	58	86	296	375	65	335	135
29	104	58	87	297	374	65	334	136
29	103	58	86	298	374	65	334	138
30	104	58	88	300	375	66	335	139
31	104	59	87	300	376	67	334	140
31	105	58	89	300	377	66	336	141
31	106	59	88	302	378	67	336	143
31	107	58	90	302	378	68	336	143
30	107	59	89	328	389	68	346	144
29	114	60	92	357	413	69	358	146
31	122	60	94	364	433	69	373	149
31	128	61	95	366	447	70	383	151
30	132	63	95	369	454	72	388	153
31	134	63	96	370	460	71	394	155
30	135	63	96	371	465	73	401	156
32	137	63	97	371	467	73	401	159
31	137	63	97	370	468	72	402	161
32	137	63	98	371	470	74	405	162
32	137	64	98	372	472	73	408	162
31	137	64	99	371	472	74	411	164
32	137	64	99	372	474	74	408	165
31	138	65	101	372	475	75	408	167
32	138	64	101	372	476	75	408	168
32	138	65	100	373	475	75	410	169
31	138	64	101	372	475	76	411	170
31	138	66	101	373	476	75	409	170

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7- ENG G GN T C 12. DEG
146	45	57	100	31	137	64	102	37
147	46	16	100	31	137	66	101	37
148	46	35	101	32	137	66	102	37
149	46	54	101	32	138	66	101	37
150	47	13	101	32	138	66	102	37
151	47	31	101	31	138	66	102	37
152	47	50	101	32	139	66	103	37
153	48	9	101	32	137	66	103	37
154	48	28	102	32	138	66	101	37
155	48	46	101	32	138	66	103	37
156	49	5	101	32	138	66	103	37
157	49	24	101	32	138	66	103	37
158	49	43	100	33	138	68	102	34
159	50	1	96	32	131	66	100	31
160	50	20	93	33	123	65	99	30
161	50	39	92	32	116	64	98	30
162	50	58	91	32	113	64	98	30
163	51	17	91	31	113	64	97	3
164	51	35	96	31	118	64	98	3
165	51	54	102	31	127	65	101	3
166	52	13	105	32	134	66	103	4
167	52	32	107	33	138	67	104	4
168	52	50	107	32	141	67	105	4
169	53	9	108	32	141	68	105	4
170	53	28	108	33	143	68	106	4
171	53	47	108	33	144	68	107	4
172	54	5	108	32	145	69	108	4
173	54	24	110	33	145	69	108	4
174	54	43	108	33	144	69	109	4
175	55	2	107	33	145	69	107	3
176	55	20	95	33	137	68	104	3
177	55	39	88	32	124	66	101	3
178	55	58	85	32	113	66	99	2
179	56	17	83	33	109	65	98	2
180	56	35	86	32	103	63	97	3
181	56	54	89	33	106	64	96	3
182	57	13	89	32	113	64	96	3
183	57	32	90	32	116	64	96	3
184	57	51	91	33	117	64	96	3
185	58	9	91	32	119	64	96	3
186	58	28	90	33	120	64	96	3
187	58	47	90	32	119	64	96	3
188	59	6	91	34	121	63	96	3
189	59	24	92	32	120	64	96	3
190	59	43	91	32	120	64	96	3
191	60	2	91	33	121	63	95	3
192	60	21	96	32	122	64	98	3
193	*	*	102	32	131	65	100	4
194	60	58	106	32	137	66	103	4
195	61	17	108	32	140	68	104	4

7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
31	137	64	102	373	478	76	411	172
31	137	66	101	373	478	76	413	172
32	137	66	102	373	480	76	412	172
32	138	66	101	374	479	76	411	173
32	138	66	102	373	479	76	412	174
31	138	66	102	374	478	77	413	174
32	139	66	103	373	479	78	412	175
32	137	66	103	372	479	77	411	174
32	138	66	101	374	479	76	412	176
32	138	66	103	373	479	77	412	176
32	138	66	103	374	480	76	414	176
32	138	66	103	373	479	77	411	177
33	138	68	102	344	470	77	405	176
32	131	66	100	311	449	75	388	176
33	123	65	99	304	429	75	376	174
32	116	64	98	302	413	73	364	172
32	113	64	98	305	404	73	357	171
31	113	64	97	316	401	73	354	170
31	118	64	98	379	435	75	373	169
31	127	65	101	397	468	76	396	169
32	134	66	103	404	492	76	412	170
33	138	67	104	407	511	78	426	171
32	141	67	105	408	524	79	433	173
32	141	68	105	408	533	78	442	175
33	143	68	106	408	536	80	446	176
33	144	68	107	408	537	79	449	178
32	145	69	108	409	539	80	450	179
33	145	69	108	412	543	80	454	181
33	144	69	109	412	546	81	456	182
33	145	69	107	383	530	79	451	182
33	137	68	104	329	496	77	430	180
32	124	66	101	302	459	75	405	179
32	113	66	99	292	427	74	386	177
33	109	65	98	289	408	74	370	174
32	103	63	97	300	395	73	360	172
33	106	64	96	322	397	73	360	171
32	113	64	96	323	398	72	360	169
32	116	64	96	325	401	73	359	167
33	117	64	96	323	401	73	356	166
32	119	64	96	325	400	72	358	164
33	120	64	96	325	401	73	357	164
32	119	64	96	326	401	72	359	162
34	121	63	96	325	400	72	360	162
32	120	64	96	325	399	72	359	163
32	120	64	96	325	400	72	360	161
33	121	63	95	329	402	72	360	161
32	122	64	98	384	436	74	377	161
32	131	65	100	402	471	75	401	162
32	137	66	103	408	497	77	418	165
32	140	68	104	410	517	79	430	166

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GA GN TR CS 12.0 DEG.
196	61	36	108	32	143	67	104	410
197	61	54	109	31	144	68	105	409
198	62	13	109	32	145	69	106	412
199	62	32	110	33	145	68	107	412
200	62	51	111	32	146	70	108	417
201	63	9	111	32	146	69	108	409
202	63	28	108	32	146	69	107	379
203	63	47	102	33	143	68	105	341
204	64	6	97	32	134	67	103	323
205	64	24	95	32	126	66	101	309
206	64	43	94	32	119	65	101	325
207	65	2	99	32	121	67	103	385
208	65	21	104	32	130	67	104	394
209	65	39	100	32	132	66	101	341
210	65	58	93	32	125	64	99	310
211	66	17	95	32	117	64	99	340
212	66	35	100	32	123	67	102	39
213	66	54	105	32	131	67	105	41
214	67	13	105	32	139	68	104	38
215	67	32	93	34	136	68	102	32
216	67	50	90	32	123	66	100	32
217	68	9	98	32	123	67	103	39
218	68	28	103	32	132	68	105	41
219	68	47	108	32	138	69	106	41
220	69	5	110	31	143	68	108	41
221	69	24	111	32	146	68	109	42
222	69	43	110	33	146	70	108	39
223	70	2	104	32	145	68	106	36
224	70	20	100	33	141	67	104	34
225	70	39	99	34	138	68	104	34
226	70	58	98	32	137	67	103	34
227	71	17	97	34	135	68	103	34
228	71	35	98	32	135	67	103	34
229	71	54	96	32	135	66	102	33
230	72	13	97	32	133	67	101	33
231	72	32	96	32	132	65	102	33
232	72	50	99	31	132	66	103	38
233	73	9	103	32	137	67	105	4
234	73	28	100	32	139	67	102	3
235	73	47	96	30	130	66	100	3
236	74	5	93	31	121	64	99	3
237	74	24	99	31	121	66	102	3
238	74	43	105	31	130	67	104	4
239	75	1	103	31	136	68	103	3
240	75	20	99	32	131	67	101	3
241	75	39	91	32	121	65	100	2
242	75	58	83	32	113	64	97	2
243	76	16	86	32	106	64	99	3
244	76	35	96	31	116	65	102	3
245	76	54	104	31	129	66	104	4

-18	7-21	7-22	7-23	7-24	7-25	7-26	7-27	7-28
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
OIL	COMPRS	OIL	OIL	GAS	POWER	OIL	POWER	T5
LER	CSE	COOLER	COOLER	GN TRB	TURB	COOLER	TURB	HRNESS
AIR	STG.5	AIR	OIL	CSE	CASE	OIL	CASE	TEMP
LET	6.00	OUTLET	INLET	12.00	4.00	OUTLET	12.00	
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
32	143	67	104	410	529	78	438	168
31	144	68	105	409	538	80	442	170
32	145	69	106	412	543	80	448	173
33	145	68	107	412	549	80	449	175
32	146	70	108	417	553	82	457	176
32	146	69	108	409	555	80	457	178
32	146	69	107	379	536	80	447	177
33	143	68	105	341	501	78	425	178
32	134	67	103	323	467	77	405	175
32	126	66	101	309	441	76	389	174
32	119	65	101	325	428	75	377	173
32	121	67	103	388	459	77	393	173
32	130	67	104	394	486	77	412	174
32	132	66	101	341	472	75	405	174
32	125	64	99	310	448	74	388	173
32	117	64	99	346	442	75	381	171
32	123	67	102	397	473	77	399	172
32	131	67	105	411	501	79	420	172
32	139	68	104	384	511	78	430	174
34	136	68	102	327	489	78	418	172
32	123	66	100	326	468	74	398	173
32	123	67	103	392	483	77	407	172
32	132	68	105	412	508	79	427	173
32	138	69	106	418	526	80	440	173
31	143	68	108	419	540	81	449	175
32	146	68	109	420	551	82	455	177
33	146	70	108	394	548	80	455	178
32	145	68	106	360	521	79	439	177
33	141	67	104	345	497	78	420	177
34	138	68	104	342	479	78	408	179
32	137	67	103	343	467	77	400	179
34	135	68	103	340	459	78	395	178
32	135	67	103	341	453	76	391	178
32	135	66	102	339	449	78	387	178
32	133	67	101	336	443	77	383	177
32	132	65	102	339	439	76	380	177
31	132	66	103	381	458	77	388	175
32	137	67	105	405	490	78	408	176
32	139	67	102	351	485	77	408	177
30	130	66	100	313	460	75	391	175
31	121	64	99	315	440	75	378	175
31	121	66	102	390	464	77	392	173
31	130	67	104	410	495	78	416	172
31	136	68	103	360	494	77	417	175
32	131	67	101	318	468	77	400	175
32	121	65	100	293	443	74	386	172
32	113	64	97	277	423	74	373	170
32	106	64	99	334	423	74	366	168
31	116	65	102	399	460	77	390	168
31	129	66	104	414	495	78	417	169

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C
246	77	13	107	31	137	66	105
247	77	31	100	33	140	69	103
248	77	50	89	32	130	65	101
249	78	9	87	31	116	64	100
250	78	28	96	31	119	66	102
251	78	46	103	32	130	67	104
252	79	5	96	32	133	67	101
253	79	24	93	31	125	65	101
254	79	42	100	32	126	66	104
255	80	1	105	31	135	68	105
256	80	20	100	33	135	67	102
257	80	39	96	32	128	66	101
258	80	57	93	31	117	66	99
259	81	16	88	32	112	64	98
260	81	35	92	31	110	64	99
261	81	54	101	31	121	65	102
262	82	12	104	32	132	67	102
263	82	31	93	32	131	66	100
264	82	50	84	34	119	66	98
265	83	9	79	32	108	65	98
266	83	27	76	34	100	64	96
267	83	46	82	32	97	63	96
268	84	5	93	32	111	64	100
269	84	24	103	31	126	66	104
270	84	42	105	32	136	67	103
271	85	1	93	35	134	67	100
272	85	20	83	34	123	66	99
273	85	38	79	35	111	65	98
274	85	57	78	33	101	63	97
275	86	16	87	30	104	63	99
276	86	35	99	30	117	64	101
277	86	53	105	32	130	66	104
278	87	12	108	31	139	67	106
279	87	31	111	31	143	68	107
280	87	50	112	31	145	69	109
281	88	8	112	31	147	69	110
282	88	27	112	32	147	69	109
283	88	46	112	31	147	70	110
284	89	5	113	31	149	70	111
285	89	23	113	32	148	70	111
286	89	42	113	32	149	71	112
287	90	1	113	32	149	71	112
288	90	20	113	31	149	72	113
289	90	38	113	32	148	73	113
290	90	57	114	32	148	72	114
291	9.	16	113	32	150	72	113
292	91	35	113	32	149	72	113
293	91	53	114	32	151	73	113
294	92	12	113	31	151	72	113
295	92	31	115	32	150	72	114

7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
137	66	105	416	518	79	434	171
140	69	103	356	507	77	430	170
130	65	101	307	480	75	412	171
116	64	100	323	460	74	391	171
119	66	102	393	480	77	404	169
130	67	104	397	502	78	423	171
133	67	101	337	488	76	417	171
125	65	101	341	471	76	400	170
126	66	104	404	493	77	412	170
135	68	105	394	511	78	428	173
135	67	102	336	488	77	415	172
128	66	101	307	459	76	396	172
117	66	99	294	434	74	381	170
112	64	98	285	416	74	366	169
110	64	99	357	429	74	369	168
121	65	102	408	471	75	398	168
132	67	102	385	493	76	418	170
131	66	100	327	478	75	409	169
119	66	98	291	454	75	394	167
108	65	98	273	433	73	381	166
100	64	96	266	414	73	371	164
97	63	96	324	415	72	365	164
111	64	100	401	455	74	389	163
126	66	104	420	493	77	419	164
136	67	103	389	509	77	434	167
134	67	100	328	489	76	419	167
123	66	99	291	462	75	402	165
111	65	98	275	437	74	387	164
101	63	97	277	420	73	371	163
104	63	99	368	437	74	375	162
117	64	101	412	478	76	406	162
130	66	104	421	512	77	431	165
139	67	106	425	533	79	447	166
143	68	107	425	549	80	457	170
145	69	109	421	557	81	462	172
147	69	110	419	564	82	463	173
147	69	109	420	569	82	468	173
147	70	110	419	572	82	468	174
149	70	111	420	574	82	470	176
148	70	111	420	576	82	470	177
149	71	112	420	577	83	472	178
149	71	112	421	577	84	473	179
149	72	113	420	577	84	473	181
148	73	113	422	577	84	475	181
148	72	114	423	578	84	475	181
150	72	113	422	577	85	476	183
149	72	113	422	579	85	476	182
151	73	113	423	579	85	480	182
151	72	113	423	579	86	478	183
150	72	114	423	580	85	479	182

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7 EN GN 12 DE
296	92	50	114	32	150	73	113	4
297	93	8	114	32	150	74	115	4
298	93	27	114	32	150	73	115	4
299	93	46	113	30	150	73	114	4
300	94	3	113	34	151	74	113	3
301	94	23	106	36	146	73	111	
302	94	42	100	35	136	72	108	
303	95	1	96	36	126	71	107	
304	95	19	95	36	118	72	105	
305	95	38	94	33	114	69	104	
306	95	57	92	34	112	68	103	
307	96	16	93	35	109	70	101	
308	96	34	92	33	109	67	101	
309	*	*	*	*	*	*	*	
310	*	*	*	*	*	*	*	
311	*	*	*	*	*	*	*	
312	*	*	*	*	*	*	*	
313	97	42	96	30	127	65	101	
314	98	0	90	31	123	64	99	
315	98	19	85	31	116	64	97	
316	98	38	84	30	110	63	97	
317	98	56	84	34	106	65	96	
318	99	15	84	31	107	63	96	
319	99	34	82	31	107	63	96	
320	99	53	86	33	106	63	95	
321	100	11	85	30	112	61	95	
322	100	30	78	30	108	60	92	
323	100	49	75	30	100	61	92	
324	101	7	81	31	102	63	93	
325	101	26	76	30	104	60	93	
326	101	45	73	34	97	62	91	
327	102	4	79	31	98	61	91	
328	102	22	82	30	105	61	92	
329	102	41	79	30	104	59	91	
330	103	0	74	29	98	59	90	
331	103	19	78	32	95	61	89	
332	103	37	83	30	102	61	93	
333	103	56	83	30	109	59	91	
334	104	15	77	30	107	58	90	
335	104	33	75	29	99	59	89	
336	104	52	80	30	99	60	90	
337	105	11	78	29	102	58	90	
338	105	30	76	30	97	58	89	
339	105	48	76	29	95	58	88	
340	106	7	78	28	97	57	90	
341	106	26	72	29	96	57	87	
342	106	44	68	29	92	57	87	
343	107	3	74	29	88	58	87	
344	107	22	79	29	96	59	89	
345	107	41	75	29	101	57	89	

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18 .1 OIL ER IR ET .C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
32	150	73	113	423	579	85	480	182
32	150	74	115	422	579	84	480	183
32	150	73	115	423	579	86	480	183
32	150	73	114	422	579	84	480	182
30	150	74	113	399	571	85	474	181
34	151	73	111	344	532	84	449	180
36	146	72	108	315	490	82	421	180
35	136	71	107	302	456	81	400	177
36	126	72	105	298	435	80	384	177
36	118	69	104	295	420	78	372	174
33	114	68	103	294	408	79	363	173
34	112	70	101	292	400	78	357	171
35	109	67	101	300	395	76	354	170
33	109	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
30	127	65	101	335	444	75	384	170
31	123	64	99	308	431	73	375	168
31	116	64	97	289	415	74	364	166
30	110	63	97	290	404	71	357	165
34	106	65	96	292	398	74	350	163
31	107	63	96	300	396	72	350	161
31	107	63	96	290	392	72	347	160
33	106	63	95	309	396	72	349	160
30	112	61	95	306	399	70	352	159
30	108	60	92	284	393	68	350	156
30	100	61	92	282	388	70	344	155
31	102	63	93	301	389	70	345	154
30	104	60	93	286	387	68	346	152
34	97	62	91	272	382	70	340	151
31	98	61	91	299	386	70	339	151
30	105	61	92	299	387	68	342	150
30	104	59	91	282	386	67	341	149
29	98	59	90	267	380	67	339	148
32	95	61	89	288	380	68	333	147
30	102	61	93	306	386	70	336	149
30	109	59	91	305	389	67	340	147
30	107	58	90	284	386	67	343	146
29	99	59	89	276	382	67	336	146
30	99	60	90	290	380	69	334	146
29	102	58	90	286	379	66	336	145
30	97	58	89	276	376	66	336	144
29	95	58	88	274	372	67	328	145
28	97	57	90	287	373	66	331	144
29	96	57	87	273	371	65	332	143
29	92	57	87	264	368	65	331	141
29	88	58	87	282	369	67	327	141
29	96	59	89	300	377	66	333	141
29	101	57	89	284	376	64	335	141

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7- ENG G GN T C 12. DEG
346	107	59	72	29	96	57	87	27
347	108	18	77	29	96	58	88	29
348	108	37	73	29	97	56	87	27
349	108	55	69	28	93	56	87	26
350	109	14	67	27	88	55	85	26
351	109	33	65	28	86	55	84	25
352	109	52	65	29	82	55	84	25
353	110	10	65	28	81	56	83	25
354	110	29	65	29	81	55	84	25
355	110	48	64	29	80	55	82	25
356	111	6	64	29	80	54	82	25
357	111	25	64	28	80	54	83	25
358	111	44	64	28	80	54	82	25
359	112	3	64	29	79	53	82	25
360	112	21	64	29	80	53	82	25
361	112	40	64	29	80	53	81	25
362	112	59	64	29	80	54	82	25
363	113	17	64	28	80	54	81	25
364	113	36	64	29	79	53	82	25
365	113	55	64	27	80	55	82	25
366	114	14	64	29	80	54	81	25
367	114	32	64	29	79	54	81	25
368	114	51	64	29	80	54	82	25
369	115	10	63	30	80	54	81	25
370	115	28	64	29	80	54	82	25
371	115	47	64	30	80	54	81	25
372	116	6	64	29	80	54	81	25
373	116	25	64	29	80	53	82	25
374	116	43	64	29	80	54	82	25
375	117	2	64	29	80	54	81	25
376	117	21	65	29	80	54	82	25
377	117	39	64	29	80	55	80	25
378	117	58	65	30	81	54	81	25
379	118	17	64	30	80	54	82	25
380	118	35	65	29	80	54	82	25
381	118	54	64	30	80	53	81	25
382	119	13	64	30	80	54	81	25
383	119	32	64	29	80	54	82	25
384	119	50	64	29	80	54	82	25
385	120	9	64	30	80	54	81	25
386	120	28	64	30	80	53	82	25
387	120	46	65	29	80	54	81	25
388	121	5	65	30	81	55	82	25
389	121	24	64	30	80	54	81	25
390	121	43	67	29	80	56	80	25
391	122	1	75	30	85	56	83	25
392	122	20	81	29	92	56	84	25
393	122	39	83	30	97	58	85	25
394	122	57	84	29	100	57	85	25
395	123	16	86	32	102	58	88	25

-18 G.1 OIL LER AIR LET G.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
29	96	57	87	273	374	65	331	140
29	96	58	88	291	376	65	333	141
29	97	56	87	279	375	63	336	139
28	93	56	87	267	371	64	334	138
27	88	55	85	261	364	64	332	137
28	86	55	84	258	360	63	329	136
29	82	55	84	258	357	63	328	135
28	81	56	83	257	355	61	328	133
29	81	55	84	257	351	63	326	132
29	80	55	82	258	350	62	326	132
29	80	54	82	257	350	63	324	130
28	80	54	83	257	348	62	324	130
28	80	54	82	257	348	61	324	128
29	79	53	82	256	347	62	323	129
29	80	53	82	257	346	62	323	128
29	80	53	81	257	346	60	323	127
29	80	54	82	257	346	61	322	127
28	80	54	81	258	346	61	323	126
29	79	53	82	257	345	61	323	126
27	80	55	82	258	346	63	322	126
29	80	54	81	258	346	62	322	126
29	79	54	81	257	345	61	322	126
29	80	54	82	256	348	61	322	123
30	80	54	81	257	344	61	322	124
29	80	54	82	257	345	61	322	126
30	80	54	81	258	346	61	323	123
29	80	54	81	258	345	62	323	123
29	80	53	82	258	344	62	323	124
29	80	54	82	258	347	61	323	123
29	80	54	81	259	346	61	323	122
29	80	54	82	257	345	62	322	123
29	80	55	80	259	346	60	324	123
29	81	54	81	259	345	61	324	123
30	80	54	82	258	345	62	324	122
30	80	54	82	256	346	61	323	122
29	80	53	81	257	345	62	322	122
30	80	54	81	258	345	61	324	123
30	80	54	82	258	345	62	324	123
29	80	54	82	258	345	61	323	122
29	80	54	81	258	346	61	323	123
30	80	53	82	258	346	60	323	122
30	80	54	81	259	346	61	324	122
29	80	55	82	259	346	61	325	122
30	81	54	81	258	346	62	323	121
30	80	56	80	262	349	63	319	123
29	80	56	83	280	353	64	317	123
30	85	56	84	287	358	64	318	125
29	92	58	85	291	361	65	318	127
30	97	57	85	290	364	64	319	127
29	100	58	86	290	367	67	320	128
32	102							

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C
396	123	35	87	32	103	60	88
397	123	53	86	32	104	59	88
398	124	12	87	31	104	60	88
399	124	31	87	33	105	60	90
400	124	49	88	32	105	61	88
401	125	8	87	34	104	61	91
402	125	27	87	33	105	61	90
403	125	46	86	32	105	61	91
404	126	4	86	31	105	61	90
405	126	23	86	33	105	61	90
406	126	42	87	30	105	59	90
407	127	0	86	32	105	61	90
408	127	19	85	31	104	61	91
409	127	38	86	32	105	61	91
410	127	56	84	30	103	62	90
411	128	15	85	30	102	61	91
412	128	34	83	29	103	60	91
413	128	52	84	31	102	60	90
414	129	11	87	26	105	56	93
415	129	30	94	24	116	60	96
416	129	48	100	25	128	62	98
417	130	7	103	25	135	62	99
418	130	26	105	26	140	63	102
419	130	45	107	27	142	63	102
420	131	3	107	27	144	63	104
421	131	22	108	27	145	65	105
422	131	41	107	29	146	66	104
423	131	59	101	32	143	68	103
424	132	18	98	27	136	63	102
425	132	37	102	27	134	64	102
426	132	55	105	29	137	65	105
427	133	14	105	29	141	67	103
428	133	33	98	32	136	66	101
429	133	51	92	29	124	63	98
430	134	10	89	29	113	63	96
431	134	29	88	29	108	63	96
432	134	48	87	29	106	60	96
433	135	6	82	28	103	61	94
434	135	25	80	26	98	65	92
435	135	44	72	30	94	67	90
436	136	2	64	32	86	77	89
437	136	21	58	32	76	77	87
438	136	40	53	36	69	67	84
439	136	58	51	41	64	61	83
440	137	17	49	41	61	56	83
441	137	36	49	40	59	58	83
442	137	54	49	37	56	56	82
443	*	*	*	*	*	*	*

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	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C	7-28 ENG.1 T5 HRNESS TEMP DEG.C
	103	60	88	293	368	67	320	131
	104	59	88	291	369	67	322	133
	104	60	88	294	370	67	322	133
	105	60	90	294	370	69	323	136
	105	61	88	293	371	68	324	136
	104	61	91	293	371	68	324	138
	105	61	90	294	371	69	325	138
	105	61	91	294	371	69	325	140
	105	61	90	292	371	68	325	140
	105	61	90	290	370	70	323	142
	105	59	90	292	370	67	324	143
	105	61	90	290	369	69	324	142
	104	61	91	290	370	68	323	144
	105	61	91	290	369	69	323	143
	103	62	90	288	368	68	323	143
	102	61	91	287	368	69	323	144
	103	60	91	287	366	69	321	144
	102	60	90	286	366	68	322	145
	105	56	93	348	388	67	334	144
	116	60	96	400	435	69	372	145
	128	62	98	412	477	72	404	148
	135	62	99	418	507	73	426	150
	140	63	102	419	529	75	441	154
	142	63	102	420	543	75	451	156
	144	63	104	421	552	76	458	158
	145	65	105	418	559	77	461	161
	146	66	104	400	559	78	462	162
	143	68	103	350	526	76	441	163
	136	63	102	357	500	74	423	164
	134	64	102	403	511	75	430	166
	137	65	105	419	529	78	446	169
	141	67	103	393	533	77	452	170
	136	66	101	326	502	76	428	169
	124	63	98	298	465	74	402	169
	113	63	96	291	436	72	383	167
	108	63	96	288	414	72	369	166
	106	60	95	286	401	71	358	156
	103	61	94	276	395	69	355	164
	98	65	92	276	391	72	352	162
	94	67	90	255	388	72	353	161
	86	77	89	252	384	82	350	158
	76	77	87	251	369	84	334	156
	69	67	84	249	352	85	315	153
	64	61	83	245	337	83	301	152
	61	58	83	242	324	83	290	150
	59	58	83	239	313	82	282	147
	56	56	82	235	304	80	276	145
	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
1	*	*	24	23	20	24	20
2	0	38	23	22	20	24	20
3	*	*	23	22	19	24	21
4	*	*	23	23	19	24	20
5	1	35	24	23	20	25	20
6	1	54	22	23	20	24	20
7	*	*	24	23	20	24	20
8	2	32	24	22	20	24	20
9	2	51	24	23	20	24	20
10	3	10	24	22	20	24	20
11	3	29	24	22	19	24	20
12	3	48	23	23	19	24	21
13	*	*	23	23	19	24	19
14	*	*	23	23	20	24	20
15	4	45	23	22	20	24	20
16	*	*	23	23	19	24	20
17	*	*	23	23	20	25	20
18	*	*	22	23	19	24	19
19	*	*	23	22	19	24	20
20	*	*	23	23	20	24	20
21	*	*	24	23	20	24	20
22	6	57	24	22	20	24	20
23	*	*	24	22	20	23	20
24	7	35	24	23	20	24	20
25	*	*	23	23	20	24	20
26	*	*	23	22	20	23	20
27	*	*	23	22	19	24	20
28	9	1	22	22	20	24	21
29	*	*	24	22	20	23	20
30	9	38	23	22	21	24	21
31	9	57	23	22	20	23	20
32	*	*	24	23	20	24	20
33	10	35	24	22	20	24	20
34	*	*	22	22	19	24	20
35	*	*	22	22	20	24	20
36	*	*	23	22	20	23	20
37	11	50	22	22	20	23	20
38	*	*	23	22	20	24	20
39	*	*	23	22	20	24	20
40	12	47	23	22	20	23	20
41	13	6	22	22	19	23	20
42	13	25	22	22	19	23	20
43	13	43	22	22	19	23	20
44	*	*	23	22	20	24	20
45	*	*	23	22	19	23	20

1120

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-06	8-07	8-08	8-09	8-10	8-11	8-12	8-14	8-15
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
NIT	LUBE	FUEL	SCAVAG	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
ITR	PUMP	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
UNT	INLET	CASE	OUTLET	CASE	STG.2	STG.3	STG.3	STG.4
EMP	OIL	TEMP	OIL	TEMP	4.30	3.00	6.00	3.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
23	20	24	20	20	23	21	21	21
22	20	24	20	20	21	21	21	21
22	19	24	21	20	23	21	21	21
23	19	24	20	19	22	21	21	20
23	20	25	20	20	22	21	21	21
23	20	24	20	20	23	20	21	21
23	20	24	20	20	22	22	22	21
22	20	24	20	20	22	22	21	21
23	20	24	20	20	22	22	21	21
22	20	24	20	20	22	22	22	21
22	19	24	20	19	22	21	21	20
23	19	24	21	19	22	21	21	20
23	19	24	19	20	23	21	21	21
23	20	24	20	20	22	21	21	21
22	20	24	20	20	21	22	22	21
23	19	24	20	20	22	20	21	21
23	20	25	20	21	22	21	21	21
23	19	24	19	19	22	20	20	21
22	19	24	20	19	22	21	21	20
23	20	24	20	20	22	20	22	20
23	20	24	20	21	22	22	21	21
22	20	24	20	20	22	22	22	21
22	20	23	20	19	22	21	22	20
23	20	24	20	19	21	22	21	21
23	20	24	20	20	22	21	21	21
22	20	23	20	19	22	21	21	20
22	19	24	20	20	22	20	21	21
22	20	24	21	19	22	21	22	20
22	20	23	20	19	22	22	22	21
22	21	24	21	20	22	22	22	21
22	20	23	20	20	22	22	22	20
23	20	24	20	20	22	22	20	22
22	20	24	20	21	22	22	22	21
22	19	24	20	19	22	21	21	20
22	20	24	20	20	22	21	21	21
22	20	23	20	19	22	21	21	21
22	20	23	20	19	22	21	21	20
22	20	24	20	20	21	21	20	21
22	20	24	20	21	22	22	21	21
22	20	23	20	20	22	22	21	20
22	19	23	20	20	22	21	22	20
22	19	23	20	20	22	21	21	20
22	19	23	20	19	22	21	22	21
22	20	24	20	20	21	21	21	21
22	19	23	20	19	22	21	22	21

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
46	*	*	23	22	21	24	20
47	14	59	23	22	21	23	20
48	*	*	23	22	20	24	20
49	*	*	23	22	20	24	20
50	15	55	24	22	21	24	20
51	16	14	24	22	21	23	20
52	*	*	22	23	20	24	20
53	16	52	23	22	21	24	20
54	17	11	23	23	20	24	20
55	17	29	23	22	20	24	20
56	17	48	24	22	20	23	20
57	18	7	23	22	20	23	21
58	18	26	23	22	20	23	21
59	18	45	24	21	20	24	20
60	19	4	22	22	20	24	20
61	19	22	23	22	19	24	21
62	19	41	23	22	20	24	21
63	20	0	22	23	20	24	20
64	20	19	23	22	20	24	20
65	20	38	23	22	20	24	20
66	20	56	23	22	19	24	21
67	21	15	22	23	20	24	19
68	21	34	22	22	20	24	21
69	21	53	22	22	20	24	20
70	22	12	23	22	20	24	20
71	22	30	23	22	20	24	21
72	22	49	23	23	20	24	20
73	23	8	23	22	20	24	21
74	23	27	23	23	21	24	20
75	23	46	24	22	21	24	20
76	24	5	23	21	21	24	20
77	24	23	23	22	20	24	20
78	24	42	23	22	21	24	20
79	25	1	23	22	20	24	21
80	25	20	23	22	20	24	21
81	25	39	23	23	20	24	20
82	25	57	24	22	21	24	20
83	26	16	23	23	19	25	22
84	26	35	22	23	20	25	23
85	26	54	23	22	20	24	24
86	27	13	24	23	21	25	23
87	27	31	23	23	21	25	23
88	27	50	24	22	21	24	24
89	28	9	23	23	20	25	23
90	28	28	24	22	21	25	23
91	28	47	23	23	21	25	24
92	29	5	24	24	20	26	24
93	29	24	23	23	20	25	24
94	29	43	24	23	22	24	24
95	30	2	23	23	21	25	24

-06 G.2 NIT ITR UNT EMP G.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C
22	21	24	20	20	22	22	22	21
22	21	23	20	20	22	22	22	20
22	20	24	20	20	23	22	21	21
22	20	24	20	19	23	21	21	20
22	21	24	20	20	23	22	22	22
22	21	23	20	21	22	21	22	20
23	20	24	20	20	23	21	21	20
22	21	24	20	20	21	21	22	22
23	20	24	20	20	22	22	21	21
22	20	24	20	20	21	22	22	21
22	20	23	20	20	22	23	21	20
22	20	23	21	21	22	22	22	21
22	20	23	21	20	22	22	21	21
21	20	24	20	20	21	22	21	21
22	20	24	20	20	21	21	21	21
22	19	24	21	19	22	21	21	20
22	20	24	21	19	22	21	22	21
23	20	24	20	20	23	22	21	20
22	20	24	20	20	22	22	21	21
22	20	24	20	21	21	22	21	21
22	19	24	21	20	23	21	21	21
23	20	24	19	21	23	21	21	22
22	20	24	21	20	22	22	21	22
22	20	24	20	20	22	22	22	23
22	20	24	20	20	23	21	22	21
22	20	24	21	20	22	22	22	21
23	20	24	20	20	22	23	22	21
22	20	24	21	21	22	22	22	21
23	21	24	20	20	23	22	21	21
22	21	24	20	21	22	22	22	21
21	21	24	20	21	23	22	22	22
22	20	24	20	21	23	22	22	21
22	21	24	20	22	23	22	22	22
22	20	24	21	21	22	22	22	21
22	20	24	21	20	22	21	21	21
22	20	24	21	20	23	22	22	21
22	21	24	20	20	23	22	21	22
23	19	23	22	21	24	27	22	24
23	20	23	23	22	28	30	24	28
22	20	24	24	22	29	29	26	29
23	21	23	23	22	28	29	27	29
23	21	23	23	21	27	29	28	28
22	21	23	24	22	28	28	28	28
23	20	23	23	22	28	28	28	28
22	21	24	23	21	28	28	29	27
23	21	24	24	21	27	27	28	27
24	20	24	24	22	27	28	28	27
23	20	24	24	23	28	27	29	27
23	22	24	24	22	27	28	29	28
23	21	24	24	22	27	28	28	29

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8- ENG. FU PU CA TE DEG
96	30	21	23	23	22	25	24	2
97	30	39	24	24	21	25	22	2
98	30	58	23	23	22	26	24	2
99	31	17	23	23	21	25	24	2
100	31	36	24	23	21	25	23	2
101	31	54	23	24	21	26	23	2
102	32	13	24	24	21	25	24	2
103	32	32	24	24	22	24	23	2
104	32	51	24	24	22	25	24	2
105	33	10	24	23	23	25	24	2
106	33	28	24	24	22	25	24	2
107	33	47	24	25	22	25	24	2
108	34	6	24	24	24	27	29	2
109	34	25	25	24	26	31	33	2
110	34	44	25	24	31	32	39	2
111	35	2	26	25	35	34	46	2
112	35	21	25	25	38	35	52	2
113	35	40	26	26	43	37	58	2
114	35	59	27	27	48	38	63	2
115	36	18	28	29	50	39	66	2
116	36	36	30	29	54	39	70	2
117	36	55	31	30	57	39	73	2
118	37	14	32	32	58	40	75	2
119	37	33	31	33	61	39	77	2
120	37	51	32	33	60	40	77	2
121	38	10	33	36	60	40	80	2
122	38	29	33	36	62	40	80	2
123	39	48	34	37	63	40	82	2
124	39	7	35	38	63	39	82	2
125	39	25	35	39	64	41	83	2
126	39	44	36	41	64	41	83	2
127	40	3	37	42	64	41	84	2
128	40	22	38	43	65	42	85	2
129	40	40	40	43	67	42	87	2
130	40	59	40	43	67	42	88	2
131	41	18	40	45	67	6	89	2
132	41	37	42	46	68	43	92	2
133	41	56	42	47	69	43	93	2
134	42	14	43	48	69	44	94	2
135	42	33	44	49	71	44	94	2
136	42	52	45	52	71	46	95	2
137	43	11	47	52	72	45	95	2
138	43	29	48	53	73	45	95	2
139	43	48	48	54	72	45	95	2
140	44	7	48	55	73	45	96	2
141	44	26	49	57	73	45	96	2
142	44	45	49	58	74	45	97	2
143	45	3	49	58	73	46	97	2
144	45	22	51	58	74	46	97	2
145	45	41	52	59	74	46	97	2

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-06 G.2 SNIT CITR OUNT TEMP EG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C
23	22	25	24	22	28	29	29	28
24	21	25	22	23	28	27	29	29
23	22	26	24	22	28	29	29	29
23	21	25	24	22	27	28	29	29
23	21	25	23	22	28	27	29	28
24	21	26	23	22	28	28	28	27
24	21	25	24	22	27	29	28	27
24	22	24	23	22	26	27	28	29
24	22	25	24	21	27	27	28	28
23	23	25	24	22	28	28	28	27
24	22	25	24	23	28	26	28	27
25	22	25	24	22	27	29	28	27
24	24	27	29	23	30	35	30	31
24	26	31	33	25	38	44	32	44
24	31	32	39	27	41	51	36	58
25	35	34	46	29	43	55	42	66
25	38	35	52	30	48	59	47	80
26	43	37	58	29	52	66	54	92
27	48	38	63	27	51	63	57	98
29	50	39	66	29	50	63	58	98
29	54	39	70	29	49	63	58	99
30	57	39	73	29	50	63	60	99
32	58	40	75	29	49	63	61	99
33	58	39	77	29	48	63	60	99
33	60	40	77	29	49	63	61	99
36	60	40	80	30	49	63	62	98
36	62	40	80	30	48	63	61	97
37	63	40	82	30	48	63	62	97
38	63	39	82	31	49	64	62	97
39	64	41	83	31	50	64	64	96
41	64	41	83	32	51	64	65	97
42	66	41	84	31	50	64	64	97
43	65	42	85	31	54	66	66	100
43	66	42	87	29	55	68	67	105
43	66	43	88	27	58	71	68	107
45	67	43	89	27	59	72	69	108
46	68	44	92	26	60	73	72	110
47	69	45	93	27	60	73	74	110
48	69	44	93	25	62	74	75	110
49	71	44	94	26	59	75	77	111
52	71	44	94	26	59	75	75	111
52	72	44	95	26	59	76	76	111
53	73	45	95	26	60	75	77	112
54	72	46	95	27	61	76	78	112
55	73	45	96	25	60	76	77	112
57	73	47	96	25	62	76	77	111
58	74	45	96	26	61	75	78	112
58	73	46	97	26	59	75	76	111
58	74	46	97	26	58	75	77	111
59	73	46	97	27	62	76	78	112

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8 EN F P C T DE
146	46	0	52	60	74	46	97	
147	46	18	53	61	74	46	98	
148	46	37	53	63	75	47	98	
149	46	56	54	63	75	46	98	
150	47	15	55	63	75	47	98	
151	47	34	54	64	74	46	98	
152	47	52	55	64	75	46	98	
153	48	11	55	66	75	46	99	
154	48	30	56	65	74	47	98	
155	48	49	55	67	75	47	99	
156	49	7	57	66	75	46	100	
157	49	26	57	67	75	47	99	
158	49	45	57	67	76	47	99	
159	50	4	58	63	76	47	98	
160	50	22	57	68	76	46	97	
161	50	41	57	68	76	45	97	
162	51	0	57	68	74	45	97	
163	51	19	58	68	73	45	97	
164	51	38	57	68	74	47	97	
165	51	56	58	65	74	47	98	
166	52	15	58	66	75	48	100	
167	52	34	58	65	77	49	101	
168	52	53	60	66	77	48	101	
169	53	11	60	67	77	48	103	
170	53	30	61	68	78	49	104	
171	53	49	61	68	78	49	103	
172	54	8	62	68	80	48	105	
173	54	26	62	69	79	49	105	
174	54	45	63	71	80	48	106	
175	55	4	63	72	80	48	104	
176	55	23	63	73	80	49	105	
177	55	41	64	74	80	50	106	
178	56	0	64	74	81	48	106	
179	56	19	65	75	80	50	106	
180	56	38	65	76	81	50	107	
181	56	56	64	77	81	49	108	
182	57	15	67	78	80	50	106	
183	57	34	66	77	81	49	106	
184	57	53	67	77	82	49	107	
185	58	12	67	78	82	49	107	
186	58	30	67	79	82	48	106	
187	58	49	67	79	81	50	107	
188	59	8	68	80	82	49	107	
189	59	27	68	80	82	50	106	
190	59	45	69	80	82	49	108	
191	60	4	68	80	82	50	108	
192	60	23	68	82	81	49	106	
193	*	*	69	81	80	48	105	
194	61	0	69	82	79	48	103	
195	61	19	69	83	78	47	101	

06 .2 IT ITR UNT EMP .C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C
60	74	46	97	25	63	76	79	113
61	74	46	98	26	63	76	78	111
63	75	47	98	26	62	75	77	112
63	75	46	98	26	60	76	77	112
63	75	47	98	27	63	76	77	112
64	74	46	98	27	62	76	78	113
64	75	46	98	27	60	76	78	112
66	75	46	99	25	62	75	78	112
65	74	47	98	26	63	75	78	113
67	75	47	99	26	63	76	79	112
66	75	46	100	26	58	76	77	111
67	75	47	99	25	62	76	78	112
67	76	47	99	29	58	69	78	107
68	76	47	98	29	54	68	75	103
68	76	46	97	31	54	67	73	103
68	76	45	97	31	54	68	72	104
68	74	45	97	31	53	68	72	104
68	73	45	97	30	55	70	72	103
68	74	47	97	27	58	79	72	112
65	74	47	98	25	58	81	70	115
66	75	48	100	25	59	82	73	117
65	77	49	101	24	64	83	78	119
66	77	48	101	24	64	82	78	120
67	77	48	103	24	61	82	79	121
68	78	49	104	24	62	83	79	122
68	78	49	103	24	62	83	80	120
68	80	48	105	24	63	84	80	122
69	79	49	105	23	65	84	81	122
71	80	48	106	24	64	84	83	123
72	80	48	104	24	66	78	84	117
73	80	49	105	24	64	83	84	121
74	80	50	106	24	67	84	86	122
74	81	48	106	24	66	83	85	123
75	80	50	106	25	64	83	85	124
76	81	50	107	24	65	84	87	123
77	81	49	108	24	65	83	85	122
78	80	50	106	24	65	83	85	123
77	81	49	106	25	60	84	84	123
77	82	49	107	24	64	84	85	123
78	82	49	107	25	64	84	85	122
79	82	48	108	24	66	84	85	123
79	81	50	107	24	63	83	85	123
80	82	49	107	24	62	84	84	122
80	82	50	106	24	64	83	85	122
80	82	49	108	24	67	84	86	122
80	82	50	108	25	64	82	86	123
82	81	49	106	25	61	72	83	110
81	80	48	105	28	58	72	80	108
82	79	48	103	29	58	71	78	106
83	78	47	101	29	58	70	77	103

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
196	61	38	69	81	78	47	101
197	61	57	69	81	77	47	100
198	62	15	68	80	76	47	100
199	62	34	67	80	76	47	98
200	62	53	67	79	76	47	98
201	63	12	66	78	75	47	97
202	63	30	67	77	74	46	96
203	63	49	66	77	74	46	97
204	64	8	67	76	74	47	97
205	64	26	67	76	74	48	97
206	64	45	66	76	75	48	97
207	65	4	66	77	74	47	96
208	65	23	66	75	74	46	96
209	65	41	66	76	74	47	96
210	66	0	66	76	74	47	98
211	66	19	66	75	74	48	96
212	66	38	66	76	72	46	95
213	66	56	65	76	72	45	95
214	67	15	65	75	72	45	93
215	67	34	65	75	72	46	94
216	67	53	64	74	72	47	94
217	68	11	65	75	71	46	93
218	68	30	64	73	71	45	92
219	68	49	64	73	70	46	91
220	69	8	64	73	69	45	92
221	69	26	63	71	69	44	91
222	69	45	64	71	68	45	88
223	70	4	64	70	69	46	89
224	70	23	63	70	68	45	88
225	70	41	63	70	67	45	88
226	71	0	63	69	67	45	87
227	71	19	63	69	68	44	87
228	71	38	62	68	68	44	87
229	71	56	62	68	67	45	87
230	72	15	61	67	67	45	86
231	72	34	62	67	67	44	86
232	72	53	61	67	65	44	87
233	73	11	62	66	64	44	86
234	73	30	60	66	65	43	85
235	73	49	60	65	66	44	87
236	74	7	60	66	67	45	87
237	74	26	60	65	66	43	87
238	74	45	59	64	66	44	86
239	75	4	60	64	65	44	87
240	75	22	59	64	67	45	87
241	75	41	59	65	67	45	89
242	76	0	60	64	69	47	90
243	76	19	59	65	68	45	90
244	76	37	59	64	67	45	90
245	76	56	59	65	67	44	89

06 .2 IT TR NT HP .C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C
1	78	47	101	29	59	69	75	104
1	77	47	100	29	57	70	74	104
0	76	47	100	30	59	71	75	103
0	76	47	98	29	57	69	74	103
9	76	47	98	31	59	70	72	104
8	75	47	97	31	55	64	73	94
7	74	46	96	31	57	70	72	98
7	74	46	97	30	61	74	75	105
6	74	47	97	29	63	75	76	108
6	74	48	97	29	63	75	77	111
6	75	48	97	29	59	70	77	108
7	74	47	96	29	59	71	76	104
5	74	46	96	30	56	68	74	98
6	74	47	96	30	60	73	74	106
6	74	47	98	29	62	75	77	110
5	74	48	96	30	58	68	76	103
6	72	46	95	32	53	64	72	87
6	72	45	95	32	53	66	68	87
5	72	45	93	33	54	68	68	89
5	72	46	94	32	58	71	69	99
4	72	47	94	32	56	64	70	92
5	71	46	93	33	53	65	68	87
3	71	45	92	33	53	67	66	85
3	70	46	91	34	52	67	66	83
3	69	45	92	35	49	60	63	78
1	69	44	91	36	51	61	63	76
1	68	45	88	36	50	59	62	76
0	69	46	89	37	51	59	61	74
0	68	45	88	38	50	59	61	74
0	67	45	88	38	50	60	61	74
9	67	45	87	38	49	58	60	74
9	68	44	87	38	49	58	60	73
8	68	44	87	39	48	59	60	75
8	67	45	87	38	49	59	60	74
7	67	45	86	38	49	58	61	73
7	67	44	86	38	49	59	59	74
7	65	44	87	38	49	58	59	72
6	64	44	86	38	48	59	57	72
6	65	43	85	37	50	65	59	87
5	66	44	87	36	53	65	63	95
6	67	45	87	36	52	63	64	90
5	66	43	87	36	50	62	63	80
4	66	44	86	37	50	60	62	79
4	65	44	87	36	52	64	63	87
4	67	45	87	35	53	65	65	95
5	67	45	89	34	56	67	67	98
4	69	47	90	34	54	69	68	100
5	68	45	90	34	55	66	68	93
4	67	45	90	32	55	66	68	98
5	67	44	89	33	53	65	68	95

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8- ENG FU PU CA TE DEG
246	77	15	60	65	68	44	89	
247	77	34	59	65	68	44	89	
248	77	52	60	65	70	46	90	
249	78	11	59	65	69	45	91	
250	78	30	59	67	69	44	91	
251	78	48	60	66	68	44	88	
252	79	7	59	66	69	45	90	
253	79	26	60	65	69	45	90	
254	79	45	59	66	67	45	89	
255	80	3	59	66	67	44	88	
256	80	22	59	65	67	44	88	
257	80	41	59	65	69	44	88	
258	81	0	59	65	68	44	89	
259	81	18	59	65	69	45	90	
260	81	37	59	66	69	45	89	
261	81	56	59	66	67	44	89	
262	82	14	59	66	68	44	89	
263	82	33	59	66	69	45	90	
264	82	52	59	66	70	45	91	
265	83	11	58	67	70	45	92	
266	83	30	59	66	72	45	93	
267	83	48	60	67	71	46	93	
268	84	7	60	67	70	45	92	
269	84	26	60	67	70	45	92	
270	84	44	60	67	69	44	91	
271	84	3	58	67	70	45	92	
272	85	22	59	65	71	46	92	
273	85	41	60	66	72	46	93	
274	85	59	59	67	72	47	94	
275	86	18	59	66	72	45	93	
276	86	37	60	66	70	45	91	
277	86	56	60	66	69	44	91	
278	87	14	60	66	66	44	88	
279	87	33	59	66	67	44	88	
280	87	52	60	67	67	43	88	
281	88	11	59	66	66	43	87	
282	88	29	60	66	66	44	87	
283	88	48	60	66	65	43	86	
284	89	7	59	66	66	44	87	
285	89	26	60	66	66	44	86	
286	89	44	60	66	64	44	86	
287	90	3	59	66	65	44	84	
288	90	22	59	65	65	44	85	
289	90	41	59	65	64	44	85	
290	90	59	59	64	64	45	85	
291	91	18	58	64	65	44	85	
292	91	37	59	64	65	44	84	
293	91	56	59	64	64	44	84	
294	92	14	58	62	65	43	85	
295	92	33	58	62	64	43	84	

8-06 ENG.2 AMBNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C
65	68	44	89	33	53	65	68	92
65	68	44	89	33	55	68	68	96
65	70	45	90	32	56	69	69	101
65	69	46	91	33	54	63	67	90
67	69	44	91	34	51	60	66	80
66	68	44	88	36	50	63	63	79
66	69	45	90	33	53	66	65	94
65	69	45	90	34	53	63	66	88
66	67	45	89	35	51	61	64	80
66	67	44	88	36	49	61	62	78
65	67	44	88	34	53	65	64	92
65	69	44	88	35	54	66	65	97
65	68	44	89	34	55	66	66	99
65	69	45	90	33	55	66	66	99
66	69	45	89	34	53	64	65	88
66	67	44	89	35	53	64	66	91
66	68	44	89	34	53	65	67	90
66	69	45	90	32	55	69	68	98
66	70	45	91	32	57	69	69	102
67	70	45	92	32	57	68	69	102
66	72	45	93	32	57	69	70	101
67	71	46	93	33	55	69	68	90
67	70	45	92	33	53	66	68	93
67	70	45	92	33	51	65	67	89
67	69	44	91	33	53	66	66	80
67	70	45	92	33	55	68	67	97
66	71	46	92	32	56	70	68	101
66	72	46	93	32	57	71	67	102
67	72	47	94	32	57	65	70	98
68	72	45	93	33	52	62	69	84
68	70	45	91	34	49	61	64	80
68	69	44	91	35	48	61	62	77
68	68	44	88	36	49	61	61	77
66	67	44	88	36	48	60	60	77
67	67	43	88	36	49	64	59	80
66	66	43	87	36	49	64	60	79
66	66	44	87	36	50	64	61	79
66	66	43	86	36	50	63	61	79
66	66	44	87	36	51	63	63	79
66	66	44	86	38	50	64	62	79
66	64	44	86	37	51	64	63	79
66	65	44	84	37	51	64	62	79
65	65	44	85	37	50	64	61	78
65	64	44	85	37	50	64	61	79
64	64	45	85	37	50	64	60	79
64	65	44	85	37	49	65	60	79
64	65	44	84	37	49	65	58	79
64	64	44	84	37	48	65	58	79
62	65	43	85	37	49	65	60	79
62	64	43	84	37	49	64	61	79

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	E
296	92	52	59	62	64	44	85	
297	93	11	58	63	64	44	84	
298	93	29	58	63	64	44	85	
299	93	48	58	63	64	44	84	
300	94	7	58	63	64	45	84	
301	94	25	58	63	66	46	85	
302	94	44	58	63	67	46	87	
303	95	3	58	63	68	47	88	
304	95	22	57	64	68	47	89	
305	95	40	58	64	70	46	90	
306	95	59	59	64	70	47	91	
307	96	18	59	64	71	47	92	
308	96	36	58	64	71	45	92	
309	*	*	*	*	*	*	*	
310	*	*	*	*	*	*	*	
311	*	*	*	*	*	*	*	
312	*	*	*	*	*	*	*	
313	97	44	59	65	71	45	93	
314	98	2	59	66	72	45	94	
315	98	21	60	66	72	47	95	
316	98	40	59	67	72	45	94	
317	98	59	59	68	72	48	96	
318	99	17	61	69	73	46	96	
319	99	36	59	68	72	49	96	
320	99	55	62	70	73	46	96	
321	100	13	60	70	73	45	95	
322	100	32	61	69	72	47	96	
323	100	51	61	69	73	48	96	
324	101	10	61	70	73	45	96	
325	101	28	62	71	73	46	97	
326	101	47	61	70	73	48	97	
327	102	6	62	71	74	48	95	
328	102	25	62	71	74	44	96	
329	102	43	63	71	72	47	97	
330	103	2	62	72	73	49	97	
331	103	21	63	73	74	48	96	
332	103	39	63	73	73	45	96	
333	103	58	63	73	73	44	95	
334	104	17	62	72	73	48	97	
335	104	36	63	73	73	48	96	
336	104	54	63	74	72	44	96	
337	105	13	63	73	72	45	96	
338	105	32	63	73	74	48	99	
339	105	51	63	73	74	47	97	
340	106	9	63	74	74	44	97	
341	106	28	64	73	74	46	99	
342	106	47	64	74	74	48	99	
343	107	5	64	75	74	49	98	
344	107	24	64	75	75	43	97	
345	107	43	64	75	75	46	99	

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8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C
62	64	44	85	38	50	65	61	79
63	64	44	84	37	51	64	62	79
63	64	44	85	37	51	64	63	79
63	64	44	84	37	48	65	61	
63	64	45	84	38	50	61	60	78
63	66	46	85	36	53	68	64	94
63	67	46	87	35	54	68	65	98
63	68	47	88	34	55	67	66	101
64	68	47	89	34	56	68	66	101
64	70	46	90	34	56	68	66	102
64	70	47	91	34	56	68	67	102
64	71	47	92	34	57	68	66	103
64	71	45	92	33	58	70	68	103
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*
65	71	45	93	31	53	68	72	95
66	72	45	94	28	56	79	72	110
66	72	47	95	30	55	67	70	105
67	72	45	94	29	58	76	71	107
68	72	48	96	30	58	64	74	101
69	73	46	96	29	58	75	71	103
68	72	49	96	29	57	67	74	104
70	73	46	96	31	50	61	71	86
70	73	45	95	29	55	75	71	100
69	72	47	96	26	59	80	74	114
69	73	48	96	29	57	63	73	97
70	73	45	96	30	55	69	71	94
71	73	46	97	28	60	80	75	112
70	73	48	97	28	59	68	74	104
71	74	48	95	31	52	62	71	86
71	74	44	96	31	55	76	68	96
71	72	47	97	27	62	81	73	113
71	73	49	97	26	61	75	76	114
72	73	48	96	29	55	63	73	92
73	74	45	96	31	51	60	70	82
73	73	44	95	30	54	73	69	96
73	73	48	97	26	63	80	75	115
72	73	48	95	28	55	69	72	99
73	73	44	96	32	53	68	69	90
74	72	45	96	27	60	77	72	109
73	72	48	99	25	63	80	77	118
73	74	47	97	29	55	67	74	101
73	74	44	97	29	58	76	73	104
74	74	46	99	27	62	80	78	118
73	74	48	99	25	60	80	79	119
74	74	49	98	27	56	63	75	96
75	74	43	97	29	54	68	72	93
75	75	46	99	25	61	80	75	114

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
346	108	2	64	75	74	48	99
347	108	20	64	75	74	43	95
348	108	39	64	75	74	47	98
349	108	58	65	75	74	47	100
350	109	16	65	74	75	48	102
351	109	35	66	75	77	47	102
352	109	54	66	76	77	48	103
353	110	13	66	75	77	48	104
354	110	31	67	76	78	46	105
355	110	50	67	77	78	48	105
356	111	9	68	77	79	47	106
357	111	27	67	78	79	47	106
358	111	46	69	78	79	47	105
359	112	5	68	80	80	47	106
360	112	23	69	80	80	47	107
361	112	42	70	80	80	46	107
362	113	1	70	82	80	47	107
363	113	20	70	81	80	47	106
364	113	38	70	82	81	47	107
365	113	57	71	82	80	47	107
366	114	16	71	82	80	47	108
367	114	34	70	83	80	47	107
368	114	53	71	84	81	47	107
369	115	12	71	84	81	47	108
370	115	31	73	85	81	47	108
371	115	49	72	86	81	48	108
372	116	8	72	87	80	47	108
373	116	27	72	87	82	47	109
374	116	45	73	87	81	48	109
375	117	4	73	88	81	48	108
376	117	23	73	87	82	48	110
377	117	42	73	88	81	48	108
378	118	0	73	88	82	48	110
379	118	19	74	88	82	48	108
380	118	38	74	88	82	48	109
381	118	56	74	87	82	48	110
382	119	15	75	88	82	47	109
383	119	34	74	89	82	48	109
384	119	53	75	88	82	48	109
385	120	11	74	89	82	47	109
386	120	30	75	88	82	48	110
387	120	49	75	90	82	48	109
388	121	7	75	88	82	48	110
389	121	26	75	88	82	47	110
390	121	45	75	88	81	47	106
391	122	3	74	89	81	45	105
392	122	22	74	90	79	44	102
393	122	41	73	89	78	44	102
394	122	59	73	89	77	43	100
395	123	18	72	87	77	44	99

06	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C
75	74	48	99	29	58	68	76	104
75	74	43	95	29	53	72	73	97
75	74	47	98	25	61	79	77	116
75	74	47	100	24	60	80	77	119
74	75	48	102	24	61	80	79	121
75	77	47	102	23	61	81	82	123
76	77	48	103	24	62	81	82	123
75	77	48	104	23	62	81	82	122
76	78	46	105	23	65	81	83	124
77	78	48	105	23	63	82	82	122
77	79	47	106	23	64	82	84	124
78	79	47	106	24	66	82	85	125
78	79	47	105	22	65	82	87	124
80	80	47	106	23	66	82	87	126
80	80	47	107	23	63	82	87	124
80	80	46	107	23	63	82	85	124
82	80	47	107	22	64	82	84	124
81	80	47	106	24	64	81	84	123
82	81	47	107	24	64	82	86	124
82	80	47	107	23	64	82	85	124
82	80	47	108	23	63	82	86	124
83	80	47	107	23	65	82	88	124
84	81	47	107	23	64	82	87	124
84	81	47	108	24	66	83	88	125
85	81	47	108	23	66	82	88	126
86	81	48	108	23	63	82	86	124
87	80	47	108	24	62	82	86	125
87	82	47	109	23	63	83	86	125
87	81	48	109	24	65	83	85	126
88	81	48	108	24	67	82	87	126
87	82	48	110	23	66	82	87	124
88	81	48	108	23	58	83	86	126
88	82	48	110	24	66	83	88	125
88	82	48	108	24	62	82	87	125
88	82	48	109	24	64	82	86	125
87	82	48	110	24	66	83	88	126
88	82	47	109	24	64	83	87	126
89	82	48	109	24	63	82	87	125
88	82	48	109	25	64	83	87	125
89	82	47	109	24	65	83	87	126
88	82	48	110	24	62	83	85	126
90	82	48	109	25	66	83	86	125
88	82	48	110	25	65	82	88	126
88	82	47	110	26	61	82	87	126
88	81	47	106	29	58	69	82	113
89	81	45	105	32	55	68	77	108
90	79	44	102	32	55	65	74	103
89	78	44	102	33	54	66	71	102
89	77	43	100	35	53	65	68	102
87	77	44	99	35	53	66	65	102

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
396	123	37	72	87	77	43	99
397	123	56	71	87	75	44	98
398	124	14	71	86	75	45	98
399	124	33	70	84	75	43	97
400	124	52	70	84	73	44	96
401	125	10	69	85	74	44	96
402	125	29	68	83	73	43	95
403	125	48	69	84	73	43	96
404	126	6	68	83	72	44	94
405	126	25	69	82	72	44	94
406	126	44	67	81	73	42	94
407	127	2	67	81	72	43	93
408	127	21	67	82	72	43	94
409	127	40	66	80	71	43	93
410	127	59	67	79	72	43	93
411	128	17	65	80	72	42	94
412	128	36	66	78	72	43	93
413	128	55	66	80	71	42	93
414	129	13	66	79	70	40	92
415	129	32	66	79	68	40	90
416	129	51	66	78	67	40	88
417	130	9	65	78	65	38	87
418	130	28	64	76	65	38	86
419	130	47	64	74	64	38	85
420	131	5	64	74	63	38	84
421	131	24	64	72	63	38	84
422	131	43	64	72	62	39	83
423	132	2	63	71	63	40	84
424	132	20	63	70	64	40	85
425	132	39	63	68	64	44	90
426	132	58	64	69	66	45	91
427	133	16	63	69	68	46	92
428	133	35	63	70	69	44	92
429	133	54	63	69	70	43	92
430	134	12	62	71	69	43	92
431	134	31	63	71	69	42	91
432	134	50	63	71	69	41	91
433	135	8	63	71	69	41	91
434	135	27	62	72	69	40	91
435	135	46	63	72	69	43	90
436	136	5	63	72	70	51	89
437	136	23	62	72	71	56	87
438	136	42	63	71	71	62	84
439	137	1	62	72	70	64	83
440	137	19	62	72	70	63	82
441	137	38	62	72	69	61	81
442	137	57	61	71	68	61	81
443	*	*	*	*	*	*	*

1128

8-06 ENG.2 IGNIT XCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C
87	77	43	99	36	53	66	64	100
87	75	44	98	35	53	65	64	98
86	75	45	98	37	54	65	64	99
84	75	43	97	37	53	65	61	99
84	73	44	96	37	54	65	61	99
85	74	44	95	37	53	64	63	99
83	73	43	95	37	53	65	63	100
84	73	43	96	38	53	64	64	99
83	72	44	94	38	52	64	64	98
82	72	44	94	38	52	66	64	99
81	73	42	94	38	51	64	63	98
81	72	43	93	38	52	63	64	97
82	72	43	94	38	52	64	64	98
80	71	43	93	38	51	64	62	99
79	72	43	93	39	51	64	63	98
80	72	42	94	38	51	63	63	98
78	72	43	93	39	50	63	63	98
80	71	42	93	38	51	63	63	97
79	70	40	92	38	49	58	64	82
79	68	40	90	39	47	55	63	74
78	67	40	88	40	44	54	59	70
78	65	38	87	41	46	54	58	69
76	65	38	86	40	44	55	56	69
74	64	38	85	41	45	54	54	69
74	63	38	84	42	46	54	55	69
72	63	38	84	41	45	55	54	68
72	62	39	83	42	45	54	54	68
71	63	40	84	41	47	60	55	77
70	64	40	85	36	53	73	60	99
68	64	44	90	32	51	78	65	111
69	66	45	91	32	56	80	70	117
69	68	46	92	31	58	78	72	113
70	69	44	92	32	59	67	71	105
69	70	43	92	34	57	65	69	101
71	69	43	92	35	55	64	67	100
71	69	42	91	35	51	63	65	98
71	69	41	91	36	49	63	64	98
71	69	41	91	35	51	62	63	99
72	69	40	91	35	50	64	64	96
72	69	43	90	37	49	63	64	92
72	70	51	89	39	46	60	59	86
72	71	56	87	40	47	62	55	78
71	71	62	84	41	39	60	53	65
72	70	64	83	41	38	60	51	64
72	70	63	82	42	39	61	50	65
72	69	61	81	42	38	61	49	63
71	68	61	81	41	39	61	48	63
*	*	*	*	*	*	*	*	*

MH-530 S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +193 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C
1	*	*	23	22	23	22	21
2	0	38	22	23	22	22	21
3	*	*	23	22	23	22	22
4	*	*	23	23	23	21	21
5	1	35	23	22	23	22	21
6	1	54	23	23	22	22	21
7	*	*	22	23	22	22	20
8	2	32	22	24	22	22	20
9	2	51	22	23	23	22	22
10	3	10	22	23	23	21	20
11	3	29	22	23	23	21	22
12	3	48	22	23	23	21	21
13	*	*	22	22	22	22	21
14	*	*	21	23	22	22	20
15	4	45	22	23	22	22	20
16	*	*	23	23	23	22	21
17	*	*	22	24	22	21	20
18	*	*	21	22	22	22	21
19	*	*	22	22	23	21	21
20	*	*	22	23	24	22	21
21	*	*	22	23	22	22	20
22	6	57	22	22	22	22	20
23	*	*	22	23	23	22	20
24	7	35	22	23	22	22	20
25	*	*	23	22	23	22	20
26	*	*	22	23	24	21	20
27	*	*	23	22	22	22	21
28	9	1	22	23	23	22	20
29	*	*	23	24	23	21	21
30	9	38	22	23	22	21	20
31	9	57	22	23	23	21	20
32	*	*	22	23	22	22	21
33	10	35	22	23	22	22	20
34	*	*	22	22	22	21	20
35	*	*	22	22	22	21	21
36	*	*	22	23	22	22	20
37	11	50	22	23	22	22	20
38	*	*	21	22	22	21	21
39	*	*	22	22	22	21	20
40	12	47	22	22	22	22	20
41	13	6	22	22	23	21	20
42	13	25	22	22	22	21	21
43	13	47	22	22	22	22	21
44	*	*	21	23	22	22	21
45	*	*	22	23	22	22	20

1129

HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

8-17 6.2 PRS CSE G.4 .00 G.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C
22	23	22	20	19	29	25	25	20
23	22	22	21	19	29	25	25	20
22	23	22	22	19	29	26	25	20
23	23	21	21	19	29	26	24	21
22	23	22	21	19	29	25	25	20
23	22	22	21	19	29	26	25	21
23	22	22	20	19	29	25	25	20
24	22	22	20	19	29	25	25	19
23	23	22	20	20	29	26	25	20
23	23	21	20	19	29	25	25	20
23	23	21	20	19	29	26	24	20
23	23	21	21	19	29	26	25	20
22	22	22	21	19	29	25	25	20
23	22	22	20	19	29	25	25	20
23	22	22	20	19	29	25	25	20
23	23	22	21	19	29	25	25	20
24	22	21	20	19	29	25	25	20
22	22	22	21	19	29	26	25	20
22	23	22	21	19	29	26	25	21
23	24	22	21	19	29	26	25	21
23	22	22	20	20	29	26	25	20
22	22	22	20	20	28	26	25	20
23	23	22	20	19	29	26	25	20
23	22	22	20	20	28	25	25	20
22	23	22	20	19	29	25	25	20
23	24	21	20	19	28	26	24	20
22	22	22	21	19	29	26	25	20
23	23	22	20	20	29	25	25	21
24	23	21	21	20	29	26	26	20
23	22	21	20	20	29	25	25	21
23	23	21	20	20	29	25	25	20
23	22	22	21	19	28	24	25	21
23	22	22	20	20	28	25	25	21
22	23	21	20	19	28	25	24	20
22	22	21	21	19	28	25	24	20
23	22	22	20	19	28	24	25	20
23	22	22	20	19	28	25	25	21
22	22	21	21	19	28	25	25	20
22	22	21	20	20	28	25	25	21
22	22	22	20	20	28	24	25	21
22	23	21	20	19	28	25	24	20
22	22	21	21	19	28	25	24	21
23	22	22	21	19	28	25	25	20
23	22	22	21	19	28	25	25	21
23	22	22	20	19	28	25	25	20

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C
46	*	*	22	23	22	23	21
47	14	59	22	22	22	21	21
48	*	*	24	23	23	22	22
49	*	*	22	22	23	21	22
50	15	55	22	23	22	22	21
51	16	14	22	23	22	22	21
52	*	*	23	23	23	21	20
53	16	52	23	23	23	22	21
54	17	11	23	22	22	22	22
55	17	29	22	23	22	22	20
56	17	48	22	22	22	22	20
57	18	7	22	22	22	21	21
58	18	26	22	23	22	22	20
59	18	45	21	23	22	21	21
60	19	4	22	22	22	21	20
61	19	22	22	22	23	21	21
62	19	41	22	23	22	22	21
63	20	0	23	22	24	21	22
64	20	19	22	23	23	21	21
65	20	38	21	23	22	22	21
66	20	56	23	24	22	22	21
67	21	15	23	22	23	21	21
68	21	34	22	22	23	22	21
69	21	53	22	23	23	23	20
70	22	12	23	22	23	21	22
71	22	30	22	23	22	21	21
72	22	49	22	23	23	23	21
73	23	8	23	23	22	22	22
74	23	27	23	23	23	21	21
75	23	46	23	24	22	22	22
76	24	5	22	23	23	22	22
77	24	23	22	23	23	22	21
78	24	42	24	22	23	21	21
79	25	1	22	24	22	22	21
80	25	20	23	22	23	22	20
81	25	39	22	22	23	22	22
82	25	57	23	23	22	23	22
83	26	16	24	26	23	22	22
84	26	35	30	29	25	24	25
85	26	54	29	29	27	26	27
86	27	13	29	29	29	27	28
87	27	31	28	29	28	29	29
88	27	50	28	28	29	28	29
89	28	9	28	28	29	28	29
90	28	28	28	28	28	28	29
91	28	47	28	28	29	28	28
92	29	5	27	29	28	28	28
93	29	24	28	27	28	30	28
94	29	43	27	27	27	28	29
95	30	2	27	27	27	28	28

8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C
23	22	23	21	20	28	26	25	21
22	22	21	21	19	28	25	25	21
23	23	22	22	20	28	26	25	21
22	23	21	22	20	28	26	25	20
23	22	22	21	20	27	26	25	21
23	22	22	21	19	29	25	25	21
23	23	21	20	20	29	25	25	21
23	23	22	21	19	28	26	25	22
22	22	22	22	19	28	26	25	22
23	22	22	20	19	28	25	24	21
22	22	22	20	20	28	25	25	20
22	22	21	21	19	28	25	25	20
23	22	22	20	19	28	25	25	21
23	22	21	21	19	28	25	25	22
22	22	21	20	20	27	25	25	21
22	23	21	21	20	28	25	25	21
23	22	22	21	19	29	25	25	21
22	24	21	22	19	27	25	25	21
23	23	21	21	19	28	26	24	21
23	22	22	21	20	28	26	25	20
24	22	22	21	20	29	25	25	21
22	23	21	21	21	28	25	25	21
22	23	22	21	19	28	26	25	21
23	23	23	20	20	28	25	25	20
22	23	21	22	20	28	26	25	21
23	22	21	21	19	27	26	25	21
23	23	23	21	20	28	25	26	21
23	22	22	22	19	29	26	25	21
23	23	21	21	21	29	26	26	21
24	22	22	22	20	29	25	25	21
23	23	22	22	20	29	26	25	22
23	23	22	21	20	29	26	24	21
22	23	21	21	20	29	26	25	21
24	22	22	21	19	29	26	25	22
22	23	22	20	21	29	25	25	21
22	23	22	22	20	29	25	25	21
23	22	23	22	19	29	26	24	21
26	23	22	22	20	29	27	21	22
29	25	24	25	23	29	25	24	22
29	27	26	27	24	29	26	24	23
29	29	27	28	24	29	27	24	23
29	28	29	29	24	29	27	24	24
28	29	28	29	24	29	26	24	24
28	29	28	29	24	29	27	24	25
28	28	28	29	24	29	26	24	25
28	29	28	28	25	29	26	24	25
29	28	28	28	25	29	27	24	25
27	28	30	28	25	29	27	24	26
27	27	28	29	26	29	27	24	26
27	27	28	28	25	28	29	24	25

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C
96	30	21	28	27	28	27	29
97	30	39	29	27	29	29	29
98	30	58	27	27	28	29	29
99	31	17	27	27	27	28	29
100	31	36	28	27	28	28	29
101	31	54	27	26	27	29	27
102	32	13	28	27	28	29	27
103	32	32	28	27	29	27	29
104	32	51	28	28	29	28	29
105	33	10	28	28	27	29	29
106	33	28	27	28	27	28	29
107	33	47	29	28	28	28	28
108	34	6	33	33	30	30	29
109	34	25	45	47	33	32	36
110	34	44	58	61	42	40	46
111	35	2	64	67	54	50	59
112	35	21	74	79	64	61	72
113	35	40	88	94	81	75	96
114	35	59	86	90	95	87	112
115	36	18	84	87	99	92	114
116	36	36	82	85	100	93	114
117	36	55	82	85	99	94	113
118	37	14	82	87	99	95	111
119	37	33	82	85	99	95	111
120	37	51	82	85	100	94	112
121	38	10	82	86	99	94	111
122	38	29	80	85	97	93	109
123	38	48	80	84	97	94	108
124	39	7	82	84	97	93	108
125	39	25	81	84	97	94	107
126	39	44	82	85	96	94	107
127	40	3	81	86	97	94	108
128	40	22	92	95	101	99	111
129	40	40	100	102	108	103	121
130	40	59	103	106	116	111	129
131	41	18	105	106	122	116	133
132	41	37	104	107	124	117	136
133	41	56	103	108	127	119	137
134	42	14	105	108	128	123	137
135	42	33	104	108	128	122	139
136	42	52	105	109	128	122	138
137	43	11	105	108	128	122	140
138	43	29	105	108	128	123	139
139	43	48	105	109	129	125	140
140	44	7	107	110	129	125	140
141	44	26	105	109	130	124	140
142	44	45	105	110	130	124	140
143	45	3	106	109	128	122	139
144	45	22	106	109	128	121	139
145	45	41	106	109	130	124	139

17	8-19	8-20	8-21	8-22	8-23	8-24	8-25	8-26
.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
RS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL	POWER
CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER	TURB
G.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL	CASE
.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET	8.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
27	28	27	29	25	26	28	24	26
27	29	29	29	25	26	29	24	26
27	28	29	29	25	26	29	25	26
27	27	28	29	26	26	30	25	25
27	28	28	29	26	25	28	24	26
26	27	29	27	25	29	27	25	26
27	28	29	27	27	31	27	26	26
27	29	27	29	25	30	28	26	26
28	29	28	29	26	31	29	24	26
28	27	29	29	27	31	29	25	26
28	27	28	29	27	31	29	25	26
28	28	28	28	27	31	29	24	25
33	30	30	29	35	31	29	28	29
47	33	32	36	86	31	31	33	48
61	42	40	46	164	31	32	39	84
67	54	50	59	213	32	34	46	125
79	64	61	72	257	29	35	53	165
94	81	75	96	306	31	36	59	203
90	95	87	112	311	30	40	63	236
87	99	92	114	306	30	44	68	259
85	100	93	114	303	30	46	70	276
85	99	94	113	301	30	50	72	289
87	99	95	111	302	31	51	76	296
85	99	95	111	302	31	53	77	303
85	100	94	112	301	31	53	79	307
86	99	94	111	301	32	53	80	312
85	97	93	109	297	30	54	80	315
84	97	94	108	296	31	54	81	317
84	97	93	108	296	31	56	82	318
84	97	94	107	296	33	57	83	320
85	96	94	107	297	32	58	83	320
86	97	94	108	297	31	56	84	321
95	101	99	111	316	30	56	86	324
02	108	103	121	344	31	57	87	337
06	116	111	129	355	31	57	88	353
16	122	116	133	360	31	58	90	367
17	124	117	136	361	31	58	90	375
18	127	119	137	363	31	59	92	384
18	126	123	137	361	31	59	93	386
18	128	122	139	362	30	60	94	391
19	128	122	138	363	31	62	94	393
18	128	122	140	363	30	61	95	394
18	128	123	139	361	31	61	94	397
19	129	125	140	364	32	61	96	397
19	129	125	140	363	32	60	97	398
19	130	124	140	363	32	63	96	398
19	130	124	140	364	32	63	97	396
19	128	122	139	363	32	62	97	395
19	128	121	139	363	32	63	96	397

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C
146	46	0	106	110	129	123	139
147	46	18	107	110	131	124	139
148	46	37	106	110	129	123	139
149	46	56	106	109	130	122	140
150	47	15	106	109	129	122	140
151	47	34	106	108	130	123	140
152	47	52	106	109	129	124	140
153	48	11	106	110	131	123	140
154	48	30	107	109	131	124	140
155	48	49	108	110	131	126	140
156	49	7	105	109	128	122	140
157	49	26	108	110	130	124	138
158	49	45	95	97	127	121	136
159	50	4	88	91	117	113	126
160	50	22	88	91	112	107	120
161	50	41	87	92	108	103	116
162	51	0	89	92	109	103	118
163	51	19	95	98	109	103	119
164	51	38	107	111	115	108	130
165	51	56	111	116	122	113	139
166	52	15	112	116	131	122	145
167	52	34	115	119	137	129	146
168	52	53	115	118	139	131	148
169	53	11	115	119	139	132	150
170	53	30	115	117	139	132	151
171	53	49	115	118	139	132	150
172	54	8	115	119	141	132	151
173	54	26	117	121	144	134	150
174	54	45	117	121	140	136	152
175	55	4	111	115	143	136	150
176	55	23	116	120	143	136	150
177	55	41	117	121	145	137	150
178	56	0	118	121	147	139	153
179	56	19	118	121	145	138	154
180	56	38	116	120	145	138	153
181	56	56	116	121	145	139	153
182	57	15	117	120	145	138	153
183	57	34	116	120	142	135	153
184	57	53	116	121	144	136	153
185	58	12	116	120	143	136	153
186	58	30	116	120	144	137	152
187	58	49	116	120	143	136	153
188	59	8	116	120	143	134	153
189	59	27	115	119	143	135	152
190	59	45	117	121	144	137	153
191	60	4	114	119	144	137	154
192	60	23	101	103	138	132	146
193	*	*	97	99	126	124	139
194	61	0	96	98	122	117	134
195	61	19	96	97	118	113	132

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8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C
110	129	123	139	360	32	63	98	396
110	131	124	139	359	32	63	98	396
110	129	123	139	362	32	63	98	394
109	130	122	140	361	31	63	99	394
109	129	122	140	360	31	63	98	394
108	130	123	140	361	32	63	99	395
109	129	124	140	362	32	64	99	394
110	131	123	140	361	32	63	99	395
109	131	124	140	360	32	63	99	394
110	131	126	140	360	32	63	99	395
109	128	122	140	363	32	64	98	393
110	130	124	138	361	32	64	100	393
97	127	121	136	340	32	66	98	389
91	117	113	126	321	33	67	98	379
91	112	107	120	313	34	65	98	365
92	108	103	118	313	33	63	97	353
92	109	103	118	316	32	63	97	347
98	109	103	119	330	32	61	96	342
111	115	108	130	383	32	62	98	359
116	122	113	139	404	32	63	99	383
116	131	122	145	412	32	63	101	405
119	137	129	146	414	32	64	102	422
118	139	131	148	414	33	64	101	434
119	139	132	150	415	32	64	104	441
117	139	132	151	415	33	65	103	446
118	139	132	150	415	33	65	103	448
119	141	132	151	417	33	66	104	451
121	144	134	150	416	33	65	106	453
121	144	136	152	415	33	67	105	455
115	143	136	150	390	34	66	105	450
120	143	136	150	408	33	66	105	444
121	145	137	150	415	32	66	106	445
121	147	139	153	419	33	66	106	447
121	145	138	154	418	33	67	106	451
120	145	138	153	417	32	67	107	452
121	145	139	153	417	33	67	108	454
120	145	138	153	418	32	67	107	455
120	142	135	153	417	33	68	107	455
121	144	136	153	417	32	67	107	456
120	143	136	153	418	33	67	108	455
120	144	137	152	417	32	66	107	455
120	143	136	153	417	32	67	109	456
120	143	134	153	418	32	68	108	456
119	143	135	152	415	32	68	108	456
121	144	137	153	417	32	67	108	456
119	144	137	154	409	32	68	109	456
103	138	132	146	361	32	66	107	441
99	128	124	139	339	32	65	105	418
98	122	117	134	32[illegible]	32	65	103	399
97	118	113	132	327	32	64	102	383

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C
196	61	38	96	97	115	111	130
197	61	57	96	97	115	108	129
198	62	15	96	97	115	108	129
199	62	34	93	96	113	108	128
200	62	53	94	95	112	106	126
201	63	12	85	86	109	104	121
202	63	30	93	95	105	101	112
203	63	49	101	104	112	106	121
204	64	8	103	106	120	113	128
205	64	26	106	109	125	120	133
206	64	45	97	100	126	120	134
207	65	4	96	99	121	116	130
208	65	23	91	93	116	112	127
209	65	41	103	105	118	113	126
210	66	0	104	107	123	118	131
211	66	19	93	95	123	118	130
212	66	38	80	81	110	108	114
213	66	56	81	82	99	97	101
214	67	15	84	87	97	95	98
215	67	34	93	96	104	97	110
216	67	53	84	85	107	102	115
217	68	11	81	82	98	97	104
218	68	30	80	82	94	92	97
219	68	49	80	82	92	89	95
220	69	8	76	75	89	87	90
221	69	26	75	74	85	83	96
222	69	45	76	74	83	82	82
223	70	4	76	74	83	79	81
224	70	23	76	74	82	78	80
225	70	41	76	74	80	77	79
226	71	0	75	73	80	75	79
227	71	19	74	73	79	75	79
228	71	38	74	74	79	75	79
229	71	56	75	74	80	75	79
230	72	15	75	73	80	75	80
231	72	34	74	73	79	76	79
232	72	53	73	73	79	75	78
233	73	11	73	72	77	73	79
234	73	30	81	84	81	74	83
235	73	49	82	87	89	82	97
236	74	7	79	91	93	88	101
237	74	26	76	76	89	87	93
238	74	45	76	75	86	82	89
239	75	4	80	82	86	82	89
240	75	22	83	88	90	85	97
241	75	41	88	92	97	92	107
242	76	0	91	93	102	95	116
243	76	19	89	87	104	99	112
244	76	37	88	91	103	98	113
245	76	56	84	86	102	97	111

EEII

8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C
115	111	130	324	33	64	101	371
115	108	129	326	33	64	100	363
115	108	129	324	33	63	100	358
113	108	128	321	33	63	99	354
112	106	126	318	33	64	98	352
109	104	121	302	32	63	97	346
105	101	112	313	33	63	97	344
112	106	21	339	33	63	97	350
120	113	128	349	32	63	98	356
125	120	133	356	33	63	98	364
126	120	134	340	32	62	98	368
121	116	130	330	32	63	97	365
116	112	127	320	32	63	97	360
118	113	126	345	33	62	96	362
123	118	131	354	32	63	97	367
123	118	130	330	32	61	97	367
110	108	114	299	32	62	95	360
99	97	101	289	31	60	93	352
97	95	98	295	35	63	93	344
104	97	110	320	33	63	93	343
107	102	115	307	32	60	95	343
98	97	104	290	32	60	93	339
94	92	97	284	31	58	93	336
92	89	95	279	32	58	92	330
89	87	90	271	32	58	91	326
85	83	86	264	32	58	90	326
83	82	82	263	34	60	90	326
83	79	81	264	32	59	89	324
82	78	80	263	33	59	89	326
80	77	79	263	34	60	88	326
80	75	79	263	32	58	87	326
79	75	79	263	33	58	87	327
79	75	79	262	32	57	88	326
80	75	79	262	32	58	87	328
80	75	80	263	32	57	87	326
78	76	79	262	32	57	87	327
79	75	78	260	31	54	87	325
77	73	79	261	32	57	85	325
81	74	83	283	32	59	86	325
89	82	97	297	31	58	87	326
93	88	101	291	30	58	87	327
89	87	93	276	31	55	88	325
86	82	89	272	31	55	87	324
86	82	89	283	32	58	87	324
90	85	97	297	32	60	88	326
97	92	107	310	32	59	89	329
102	95	116	320	32	61	89	332
104	99	112	304	32	58	90	333
103	98	113	308	31	58	90	334
102	97	111	299	30	57	89	332

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C
246	77	15	81	84	98	96	106
247	77	34	89	92	99	95	106
248	77	52	92	96	105	99	117
249	78	11	83	83	107	104	116
250	79	30	78	77	98	96	101
251	78	48	76	77	90	88	92
252	79	7	86	89	92	88	98
253	79	26	80	82	96	92	105
254	79	45	78	77	93	93	96
255	80	3	76	76	87	85	90
256	80	22	83	86	90	86	93
257	80	41	84	87	93	88	102
258	81	0	86	88	96	92	106
259	81	18	87	89	100	96	112
260	81	37	81	81	97	96	103
261	81	56	83	84	95	94	100
262	82	14	84	85	96	93	99
263	82	33	90	95	101	95	110
264	82	52	93	96	106	99	119
265	83	11	93	96	110	103	124
266	83	30	92	96	111	105	127
267	83	48	83	83	107	106	116
268	84	7	83	85	101	100	109
269	84	26	82	84	96	95	102
270	84	44	83	84	95	92	99
271	85	3	91	95	100	95	108
272	85	22	93	96	107	100	119
273	85	41	94	96	111	104	124
274	85	59	88	91	113	108	126
275	86	18	79	79	105	104	110
276	86	37	76	75	95	92	96
277	86	56	75	74	88	87	89
278	87	14	74	75	85	83	86
279	87	33	73	74	81	80	83
280	87	52	77	79	82	80	85
281	88	11	75	78	83	80	86
282	88	29	75	77	84	83	87
283	88	48	77	77	85	85	87
284	89	7	76	78	84	85	87
285	89	26	76	77	84	84	87
286	89	44	77	77	86	86	87
287	90	3	75	77	85	85	86
288	90	22	76	77	84	83	86
289	90	41	76	77	84	84	85
290	90	59	76	77	83	83	87
291	91	18	75	77	82	83	86
292	91	37	76	78	81	81	85
293	91	56	75	78	83	80	86
294	92	14	75	78	82	83	86
295	92	33	75	78	82	82	86

17	8-19	8-20	8-21	8-22	8-23	8-24	8-25	8-26
.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
RS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL	POWER
SE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER	TURB
.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL	CASE
00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET	8.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
4	98	96	106	291	33	59	89	329
2	99	95	106	310	32	61	90	330
6	105	99	117	324	31	61	91	336
3	107	104	116	308	31	58	91	337
7	99	96	101	285	31	57	90	334
7	99	88	92	279	32	60	90	332
9	92	88	98	302	32	60	89	333
2	96	92	105	294	31	58	89	332
7	93	93	95	278	32	57	89	330
6	87	85	90	276	32	59	89	328
6	90	86	93	291	32	61	88	327
7	93	88	102	300	31	61	90	329
8	96	92	106	306	32	61	90	329
9	100	96	112	308	32	61	92	333
1	97	96	103	291	31	57	91	329
4	95	94	100	290	32	58	89	326
5	96	93	99	296	33	60	88	326
5	101	95	110	317	33	62	90	332
6	105	99	119	324	32	63	92	336
6	110	107	124	328	32	63	93	341
6	111	105	127	329	32	63	92	344
3	107	106	116	305	30	58	94	342
5	101	100	109	296	32	59	92	338
4	96	95	102	290	31	58	92	334
4	95	92	99	294	32	61	91	331
5	100	95	108	316	32	63	91	334
6	107	100	119	325	33	64	92	338
6	111	104	124	330	32	64	94	342
1	113	108	126	323	32	64	94	346
9	105	104	110	293	30	59	93	342
5	95	92	96	279	30	58	91	339
4	88	87	89	269	30	57	91	335
5	85	83	86	267	31	56	89	329
4	81	80	83	265	31	57	89	326
9	82	80	85	271	30	57	87	324
8	83	81	86	270	32	56	87	321
7	84	83	87	270	32	56	87	319
7	85	85	87	269	31	55	87	318
8	84	85	87	269	32	56	85	316
7	84	84	87	269	30	54	87	315
7	86	86	87	267	31	55	87	315
7	85	85	86	268	32	55	87	315
7	84	83	86	269	32	54	86	313
7	84	84	85	268	30	54	86	312
7	83	83	87	270	32	54	85	311
7	82	83	86	269	32	55	85	311
8	81	81	85	271	31	54	85	309
8	83	80	86	270	32	56	84	310
8	82	83	86	269	31	56	86	310
8	82	82	86	270	32	55	85	310

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C
296	92	52	76	78	84	82	87
297	93	11	77	78	84	84	86
298	93	29	75	78	85	86	87
299	93	48	75	78	84	83	87
300	94	7	75	77	84	84	85
301	94	25	84	89	89	84	95
302	94	44	87	92	96	90	105
303	95	3	87	91	101	94	112
304	95	22	88	92	103	97	112
305	95	40	88	92	104	99	113
306	95	59	88	92	105	99	114
307	96	18	88	92	105	99	116
308	96	36	92	96	105	100	115
309	*	*	*	*	*	*	*
310	*	*	*	*	*	*	*
311	*	*	*	*	*	*	*
312	*	*	*	*	*	*	*
313	97	44	86	88	114	109	119
314	98	2	106	110	114	107	124
315	98	21	90	95	117	112	129
316	98	40	101	105	115	111	123
317	98	59	94	95	121	117	130
318	99	17	102	104	115	113	121
319	99	36	95	96	122	115	130
320	99	55	82	80	111	109	116
321	100	13	100	103	107	101	110
322	100	32	112	116	119	110	130
323	100	51	92	90	123	118	132
324	101	10	93	92	114	111	116
325	101	28	112	116	121	114	129
326	101	47	95	97	127	121	135
327	102	6	82	80	116	114	119
328	102	25	93	95	108	103	110
329	102	43	112	116	119	113	128
330	103	2	106	111	130	123	141
331	103	21	87	84	124	123	129
332	103	39	80	78	110	111	108
333	103	58	96	99	103	100	103
334	104	17	113	117	118	113	128
335	104	36	90	92	123	117	133
336	104	54	82	83	112	112	116
337	105	13	108	111	116	111	120
338	105	32	114	118	128	123	138
339	105	51	88	90	125	123	136
340	106	9	100	103	118	117	123
341	106	28	114	118	129	122	137
342	106	47	113	117	136	128	148
343	107	5	90	87	131	129	136
344	107	24	92	94	116	116	115
345	107	43	112	117	122	114	130

8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C
84	82	87	269	31	56	85	310
84	84	86	269	32	54	85	311
85	86	87	269	32	55	84	311
84	83	87	270	31	55	85	311
84	84	85	272	33	58	86	312
89	84	95	293	33	59	86	316
96	90	105	305	33	61	87	321
101	94	112	310	33	61	88	324
103	97	112	309	35	62	89	328
104	99	113	310	33	63	89	331
105	99	114	315	32	63	91	333
105	99	116	309	33	63	91	334
105	100	115	319	30	62	93	335
*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*
114	109	119	325	31	61	94	370
114	107	124	381	32	61	95	377
117	112	129	347	30	64	94	380
115	111	123	364	30	61	95	376
121	117	130	364	31	64	94	385
115	113	121	369	31	60	97	384
122	115	130	365	31	63	96	391
111	109	116	322	32	63	96	386
107	101	110	360	31	61	95	383
119	110	130	408	30	60	97	399
123	118	132	371	33	64	96	404
114	111	116	342	31	60	96	397
121	114	129	401	30	61	97	405
127	121	135	373	31	64	96	410
116	114	119	326	32	64	96	400
108	103	110	330	30	60	96	388
119	113	128	404	30	62	98	395
130	123	141	407	31	63	97	414
124	123	129	352	32	64	96	411
110	110	108	311	32	64	96	400
103	100	103	344	29	59	96	388
118	113	128	409	29	61	98	401
123	117	133	367	31	63	96	408
112	112	116	325	29	63	97	397
116	111	120	383	29	59	97	395
128	123	138	416	31	62	98	412
126	123	136	362	30	63	96	413
118	117	123	365	30	60	96	402
129	122	137	414	29	61	99	412
136	128	148	423	29	63	101	427
131	129	136	368	31	64	97	425
116	116	115	344	29	59	97	411
122	114	130	409	28	62	99	418

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C
346	108	2	93	96	127	122	136
347	108	20	95	95	118	115	121
348	108	39	113	117	124	118	134
349	108	58	116	120	134	126	145
350	109	16	116	121	142	132	151
351	109	35	117	121	145	138	155
352	109	54	118	121	145	137	156
353	110	13	117	121	146	136	156
354	110	31	117	122	146	140	156
355	110	50	118	122	149	140	157
356	111	9	119	123	150	142	157
357	111	27	119	122	150	145	157
358	111	46	119	123	151	145	158
359	112	5	119	123	152	145	160
360	112	23	118	121	147	142	157
361	112	42	118	121	148	139	158
362	113	1	120	122	148	140	157
363	113	20	119	122	148	140	157
364	113	38	119	123	150	143	157
365	113	57	119	122	150	145	158
366	114	16	119	122	150	143	158
367	114	34	119	122	150	145	158
368	114	53	120	123	151	144	158
369	115	12	120	123	150	145	158
370	115	31	119	123	151	146	159
371	115	49	121	124	151	145	160
372	116	8	119	122	149	144	159
373	116	27	119	123	149	143	159
374	116	45	121	124	150	141	158
375	117	4	121	124	152	145	158
376	117	23	121	123	152	146	159
377	117	42	120	123	149	142	160
378	118	0	120	124	150	144	158
379	118	19	121	122	150	142	158
380	118	38	119	123	149	140	158
381	118	56	121	124	152	145	159
382	119	15	121	123	150	142	158
383	119	34	120	123	150	142	160
384	119	53	121	123	150	142	160
385	120	11	121	123	150	142	159
386	120	30	120	123	148	140	159
387	120	49	120	125	150	142	157
388	121	7	121	124	151	145	159
389	121	26	120	122	150	144	159
390	121	45	99	99	144	136	150
391	122	3	91	92	129	123	135
392	122	22	88	92	116	113	124
393	122	41	88	90	111	106	119
394	122	59	86	88	108	103	116
395	123	18	87	90	104	99	115

8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C
127	122	136	380	31	64	98	420
118	115	121	356	29	59	98	407
124	118	134	414	29	60	99	415
134	126	145	432	28	61	102	430
142	132	151	437	29	63	102	442
145	138	155	439	28	63	102	453
145	137	156	437	28	63	104	458
146	136	156	436	29	63	105	464
146	140	156	436	29	64	104	466
149	140	157	436	30	64	111	468
150	142	157	436	29	64	107	468
150	143	157	435	28	64	108	470
151	145	158	436	29	64	109	472
152	145	160	435	29	64	106	473
147	142	157	436	29	66	107	471
148	139	158	436	29	64	106	472
148	140	157	437	28	65	109	470
148	140	157	436	29	65	108	472
150	143	157	436	29	64	107	471
150	145	158	436	29	66	110	472
150	143	158	436	29	64	108	472
150	145	158	434	28	64	111	473
151	144	158	436	29	65	107	475
150	145	158	436	30	66	112	474
151	146	159	436	30	66	108	475
151	145	160	437	31	66	109	475
149	144	159	437	29	66	110	474
149	143	159	436	30	66	113	475
150	141	158	437	29	66	117	475
152	145	158	436	30	66	110	475
152	146	159	437	31	66	110	476
149	142	160	439	30	66	109	476
150	144	158	436	29	66	111	477
150	143	158	438	29	66	111	475
149	140	158	439	30	66	110	477
152	145	159	437	29	67	115	477
150	142	158	438	30	66	113	478
150	142	160	438	31	67	110	478
150	142	160	438	30	66	110	478
150	142	159	440	30	67	111	479
148	140	159	440	29	66	110	479
150	142	157	438	30	66	116	479
151	145	159	438	29	67	111	481
150	144	159	437	29	67	110	480
144	136	150	379	31	68	107	465
129	123	135	339	29	68	105	436
116	113	124	320	29	67	103	409
111	106	119	315	31	68	102	386
108	103	116	310	31	65	101	371
104	99	115	309	30	66	100	358

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C
396	123	37	86	90	103	98	115
397	123	56	86	90	103	96	113
398	124	14	86	90	102	96	113
399	124	33	85	88	102	96	113
400	124	52	85	89	102	96	112
401	125	10	84	89	102	96	112
402	125	29	85	88	102	96	112
403	125	48	85	89	103	97	111
404	126	6	84	88	102	98	111
405	126	25	84	88	101	96	111
406	126	44	83	88	101	96	111
407	127	2	83	88	101	97	111
408	127	21	83	87	102	96	111
409	127	40	85	88	102	96	112
410	127	59	85	87	101	96	111
411	128	17	83	87	100	96	113
412	128	36	83	87	101	96	112
413	128	55	83	87	100	97	111
414	129	13	74	75	97	96	103
415	129	32	72	71	90	93	91
416	129	51	70	69	81	81	82
417	130	9	69	69	79	77	78
418	130	28	68	69	77	74	76
419	130	47	69	69	76	73	76
420	131	5	68	68	75	72	75
421	131	24	68	68	73	70	74
422	131	43	70	69	74	71	73
423	132	2	75	77	77	71	76
424	132	20	97	101	87	82	95
425	132	39	109	113	106	97	123
426	132	58	112	117	123	113	140
427	133	16	101	106	133	124	145
428	133	35	90	93	126	118	137
429	133	54	87	90	118	110	129
430	134	12	85	87	111	107	122
431	134	31	83	87	105	102	115
432	134	50	81	85	100	97	112
433	135	8	84	87	101	96	114
434	135	27	85	88	101	96	115
435	135	46	73	74	101	97	111
436	136	5	60	59	91	96	94
437	136	23	54	53	80	80	80
438	136	42	52	50	70	69	70
439	137	1	51	50	65	64	65
440	137	19	50	51	63	60	63
441	137	38	50	50	61	58	61
442	137	57	49	50	59	57	60
443	*	*	*	*	*	*	*

8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C
103	98	115	307	29	65	99	350
103	98	113	306	29	66	98	344
102	96	113	305	31	64	96	340
102	96	113	305	29	64	97	338
102	96	112	304	31	63	96	336
102	96	112	303	31	62	96	336
102	96	112	304	29	61	96	335
103	97	111	303	30	63	96	333
102	98	111	304	32	63	96	332
101	96	111	304	30	62	95	330
101	96	111	302	30	62	96	331
101	97	111	302	29	62	95	330
102	96	111	304	29	61	94	331
102	96	112	304	30	62	94	332
101	96	111	304	30	62	93	332
100	96	113	302	29	61	95	332
101	96	112	303	31	60	95	331
100	97	111	302	30	61	92	332
97	96	103	281	29	54	93	328
90	93	91	266	27	54	92	324
81	81	82	260	25	53	89	321
79	77	78	256	26	54	87	318
77	74	76	253	26	54	85	316
76	73	76	253	25	52	85	315
75	72	75	253	25	51	86	312
73	70	74	251	25	50	84	311
74	71	73	255	30	55	83	313
77	71	76	268	29	55	83	314
87	82	95	346	28	52	87	323
106	97	123	408	28	54	89	356
123	113	140	426	29	57	93	396
133	124	145	399	30	60	93	421
126	118	137	351	29	62	93	414
118	110	129	328	28	60	92	397
111	107	122	315	27	61	92	379
105	102	115	307	27	61	92	365
100	97	112	304	29	59	92	351
101	96	114	310	27	59	92	344
101	96	115	310	28	60	92	340
101	97	111	300	32	66	91	339
91	96	94	295	34	77	89	339
80	80	80	294	34	77	87	330
70	69	70	291	35	72	85	317
65	64	65	286	37	63	84	306
63	60	63	280	35	61	84	295
61	59	61	275	35	59	84	286
59	57	60	269	34	59	82	278
*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
2 JULY 1970
RUN NO. 23 +103 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
1	*	*	25	23
2	0	38	25	23
3	*	*	25	23
4	*	*	25	22
5	1	35	25	23
6	1	54	25	23
7	*	*	25	23
8	2	32	25	23
9	2	51	25	22
10	3	10	25	23
11	3	29	24	22
12	3	48	25	22
13	*	*	25	23
14	*	*	25	23
15	4	45	25	23
16	*	*	24	22
17	*	*	25	23
18	*	*	25	22
19	*	*	26	23
20	*	*	25	23
21	*	*	25	24
22	6	57	25	23
23	*	*	25	22
24	7	35	25	23
25	*	*	25	23
26	*	*	25	22
27	*	*	25	22
28	9	1	25	23
29	*	*	25	23
30	9	38	25	23
31	9	57	26	23
32	*	*	25	23
33	10	35	25	23
34	*	*	25	22
35	*	*	25	22
36	*	*	25	23
37	11	50	24	23
38	*	*	25	23
39	*	*	24	22
40	12	47	25	23
41	13	6	26	22
42	13	25	25	22
43	13	43	25	22
44	*	*	25	22
45	*	*	25	22

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	9-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
46	*	*	25	23
47	14	59	25	23
48	*	*	26	22
49	*	*	26	23
50	15	55	25	22
51	16	14	25	23
52	*	*	25	22
53	16	52	24	22
54	17	11	25	22
55	17	29	25	23
56	17	48	25	22
57	18	7	25	23
58	18	26	25	22
59	18	45	24	22
60	19	4	25	22
61	19	22	26	23
62	19	41	25	23
63	20	0	26	22
64	20	19	25	23
65	20	38	25	23
66	20	56	25	23
67	21	15	25	23
68	21	34	25	22
69	21	53	25	23
70	22	12	25	23
71	22	30	25	23
72	22	49	25	23
73	23	8	25	22
74	23	27	26	23
75	23	46	26	23
76	24	5	26	23
77	24	23	26	23
78	24	42	25	22
79	25	1	24	23
80	25	20	25	23
81	25	39	25	22
82	25	57	25	23
83	26	16	23	22
84	26	35	24	23
85	26	54	24	23
86	27	13	24	23
87	27	31	24	23
88	27	50	24	23
89	28	9	24	24
90	28	28	24	24
91	28	47	24	24
92	29	5	25	24
93	29	24	24	24
94	29	43	24	24
95	30	2	24	24

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
96	30	21	24	23
97	30	39	26	25
98	30	58	24	24
99	31	17	25	24
100	31	36	25	24
101	31	54	25	24
102	32	13	25	24
103	32	32	26	24
104	32	51	25	24
105	33	10	25	25
106	33	28	24	25
107	33	47	24	25
108	34	6	29	25
109	34	25	32	25
110	34	44	37	28
111	35	2	42	32
112	35	21	46	35
113	35	40	49	42
114	35	59	54	48
115	36	18	57	56
116	36	36	59	63
117	36	55	59	68
118	37	14	59	75
119	37	33	61	81
120	37	51	61	87
121	38	10	63	92
122	38	29	63	96
123	38	48	64	99
124	39	7	64	103
125	39	25	65	106
126	39	44	65	110
127	40	3	65	113
128	40	22	66	114
129	40	40	66	116
130	40	59	68	118
131	41	18	69	122
132	41	37	71	126
133	41	56	71	129
134	42	14	71	131
135	42	33	73	134
136	42	52	73	136
137	43	11	73	138
138	43	29	72	141
139	43	48	74	144
140	44	7	73	146
141	44	26	75	146
142	44	45	74	148
143	45	3	74	150
144	45	22	75	150
145	45	41	75	152

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
146	46	0	75	153
147	46	18	76	155
148	46	37	76	155
149	46	56	76	155
150	47	15	76	156
151	47	34	76	158
152	47	52	76	158
153	48	11	76	159
154	48	30	76	160
155	48	49	76	160
156	49	7	76	160
157	49	26	75	160
158	49	45	77	162
159	50	4	77	162
160	50	22	76	161
161	50	41	75	160
162	51	0	75	158
163	51	19	75	156
164	51	38	75	155
165	51	56	77	156
166	52	15	78	159
167	52	34	78	161
168	52	53	80	164
169	53	11	79	165
170	53	30	78	168
171	53	49	79	171
172	54	8	80	172
173	54	26	80	174
174	54	45	81	176
175	55	4	80	177
176	55	23	80	177
177	55	41	80	178
178	56	0	82	179
179	56	19	82	179
180	56	38	82	180
181	56	56	82	180
182	57	15	83	183
183	57	34	83	183
184	57	53	84	184
185	58	12	82	184
186	58	30	82	185
187	58	49	82	186
188	59	8	82	186
189	59	27	83	188
190	59	45	83	188
191	60	4	82	189
192	60	23	80	188
193	*	*	80	184
194	61	0	78	183
195	61	19	78	180

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
196	61	38	77	179
197	61	57	77	175
198	62	15	77	173
199	62	34	75	170
200	62	53	77	169
201	63	12	74	166
202	63	30	74	163
203	63	49	75	161
204	64	8	75	160
205	64	26	75	159
206	64	45	74	159
207	65	4	74	157
208	65	23	74	156
209	65	41	75	155
210	66	0	75	155
211	66	19	74	154
212	66	38	72	154
213	66	56	72	151
214	67	15	73	150
215	67	34	74	150
216	67	53	71	150
217	68	11	71	147
218	68	30	71	146
219	68	49	70	145
220	69	8	70	144
221	69	26	69	142
222	69	45	70	141
223	70	4	69	140
224	70	23	69	138
225	70	41	68	137
226	71	0	67	136
227	71	19	68	134
228	71	38	67	133
229	71	56	63	132
230	72	15	67	131
231	72	34	66	130
232	72	53	64	129
233	73	11	65	128
234	73	30	67	127
235	73	49	67	128
236	74	7	66	128
237	74	26	66	127
238	74	45	65	129
239	75	4	67	129
240	75	22	68	129
241	75	41	69	129
242	76	0	70	130
243	76	19	68	131
244	76	37	68	132
245	76	56	68	132

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
246	77	15	69	131
247	77	34	70	133
248	77	52	71	134
249	78	11	70	135
250	78	30	68	134
251	78	48	70	134
252	79	7	69	135
253	79	25	68	136
254	79	45	67	134
255	80	3	69	135
256	80	22	69	135
257	80	41	70	135
258	81	0	70	135
259	81	18	70	136
260	81	37	69	136
261	81	56	68	135
262	82	14	70	135
263	82	33	71	136
264	82	52	73	137
265	83	11	71	139
266	83	30	72	139
267	83	48	70	140
268	84	7	70	140
269	84	26	69	139
270	84	44	71	139
271	85	3	71	143
272	85	22	73	140
273	85	41	73	142
274	85	59	73	143
275	86	18	70	143
276	86	37	68	142
277	86	56	68	141
278	87	14	68	140
279	87	33	66	139
280	87	52	67	137
281	88	11	66	136
282	88	29	65	135
283	88	48	66	134
284	89	7	67	133
285	89	26	65	131
286	89	44	66	130
287	90	3	65	130
288	90	22	65	129
289	90	41	65	129
290	90	59	65	128
291	91	18	65	127
292	91	37	65	127
293	91	56	65	126
294	92	14	65	126
295	92	33	65	124

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
296	92	52	66	125
297	93	11	65	124
298	93	29	65	122
299	93	48	65	122
300	94	7	66	123
301	94	25	68	123
302	94	44	69	126
303	95	3	70	127
304	95	22	71	129
305	95	40	71	131
306	95	59	72	131
307	96	18	73	134
308	96	36	71	134
309	*	*	*	*
310	*	*	*	*
311	*	*	*	*
312	*	*	*	*
313	97	44	72	140
314	98	2	73	142
315	98	21	74	145
316	98	40	74	145
317	98	59	73	147
318	99	17	73	147
319	99	36	73	151
320	99	55	73	151
321	100	13	72	150
322	100	32	74	151
323	100	51	75	155
324	101	10	73	155
325	101	28	75	155
326	101	47	74	158
327	102	6	75	158
328	102	25	73	158
329	102	43	74	158
330	103	2	75	161
331	103	21	74	162
332	103	39	72	162
333	103	58	73	160
334	104	17	74	161
335	104	36	74	162
336	104	54	73	162
337	105	13	74	161
338	105	32	74	163
339	105	51	74	164
340	106	9	74	163
341	106	28	75	164
342	106	47	76	166
343	107	5	75	170
344	107	24	74	167
345	107	43	74	167

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
346	108	2	74	169
347	108	20	75	168
348	108	39	75	168
349	108	58	76	168
350	109	16	77	171
351	109	35	79	173
352	109	54	79	175
353	110	13	79	177
354	110	31	79	178
355	110	50	79	180
356	111	9	79	182
357	111	27	80	184
358	111	46	80	186
359	112	5	80	187
360	112	23	80	189
361	112	42	80	190
362	113	1	80	191
363	113	20	81	192
364	113	38	80	194
365	113	57	80	194
366	114	16	80	196
367	114	34	82	196
368	114	53	81	197
369	115	12	80	198
370	115	31	82	199
371	115	49	82	200
372	116	8	82	201
373	116	27	82	203
374	116	45	82	202
375	117	4	82	203
376	117	23	82	203
377	117	42	82	203
378	118	0	83	204
379	118	19	82	204
380	118	38	82	205
381	118	56	83	205
382	119	15	83	206
383	119	34	83	205
384	119	53	83	206
385	120	11	83	205
386	120	30	82	206
387	120	49	83	205
388	121	7	83	205
389	121	26	83	205
390	121	45	81	205
391	122	3	80	202
392	122	22	79	198
393	122	41	79	195
394	122	59	77	191
395	123	18	77	188

5 of 11

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
396	123	37	77	186
397	123	56	76	181
398	124	14	75	176
399	124	33	75	173
400	124	52	75	169
401	125	10	74	166
402	125	29	7[illegible]	164
403	125	49	73	162
404	126	6	74	160
405	126	25	72	159
406	126	44	73	156
407	127	2	72	155
408	127	21	72	151
409	127	40	73	150
410	127	59	73	148
411	128	17	72	149
412	128	36	71	147
413	128	55	72	145
414	129	13	68	147
415	129	32	66	145
416	129	51	65	143
417	130	9	64	141
418	130	28	64	140
419	130	47	64	136
420	131	5	63	136
421	131	24	63	133
422	131	43	65	132
423	132	2	64	132
424	132	20	64	131
425	132	39	67	132
426	132	58	70	136
427	133	16	71	140
428	133	35	71	143
429	133	54	70	145
430	134	12	71	145
431	134	31	70	146
432	134	50	69	146
433	135	8	69	147
434	135	27	70	145
435	135	46	75	147
436	136	5	82	147
437	136	23	86	146
438	136	42	82	146
439	137	1	83	146
440	137	19	82	145
441	137	38	81	145
442	137	57	78	144
443	*	*	*	*

RUN 24, 103°F Engine Oil Test, 7 July 1970
Engine No. 1 Pump (S/N 597) at Nominal Setting of 6.05 gpm (low)
Engine No. 2 Pump (S/N 595) at Nominal Setting of 6.60 gpm (high)
Soak time N/A

RUN 24 +103°F 7JULY 70

Test Synopsis:

This was a continuation of run 23, a 103°F engine oil test. Engine No. 2 oil pump was placed at a high flow setting of 6.60 gpm from the previous low setting of 6.00 fpm for run 23. Engine No. 1 oil pump remained at the low setting of 6.05 gpm.

Pertinent information.

Engine No. 1 had -13 fuel control and no EAPS.

Engine No. 2 had -12 fuel control, EAPS, and armor plating install

Both engines had calibrated engine oil pumps installed.

Test parameters not connected or not presented.

1-4-Free air temperature (not connected).

2-18-Main wheel brake return hydraulic pressure (not connected).

2-19 through 2-26-Heater output airflow differential pressure (not presented).

Defective test parameters not presented (unless indicated otherwis

3-22-Cargo area forward waist level air temperature (erratic, but average temperature shown is good; data is presented).

4-13-Second stage hydraulic system pump outlet temperature.

7-12-Engine No. 1 compressor case temperature, 3rd stage, 3 o'clo position.

7-19-Engine No. 1 compressor case temperature, 5th stage, 3 o'clo position.

8-18-Engine No. 2 compressor case temperature, 5th stage, 9 o'clo position.

Event Sheet:

CTR	Event
19	APP - start
21	Vent fan - ON
22	Comm/nav equipment - checked
40	Guns - checked
43	Cargo hook and rescue hoist - checked
45	Vent fan - OFF
52	All doors and ramp - closed
54	AFCS servos - checked
55	Stick trim - checked
55	EAPS (No. 2) - open
60	Rotor brake - OFF
60-66	Engine starters - check operation

CTR	Event
67	Engine speed trim - checked
68	AFCS - checked
70	Second stage interlock - checked
75	Engine No. 1 - start
80	Flight control and first stage interlock - checked
83	Engine No. 1 throttle - forward
86	APP - OFF
88	Engine No. 2 - start
93	Flat pitch and engine overspeed protection system - checked
95	Minimum governing microswitches - checked
102	Engine No. 1 anti-ice - ON, then OFF
103	Crossfeed - checked
108-126	Engine No. 2 to ground idle
127-157	Operate both engines at flight idle
136-157	Operate engines at matched N_g
161-162	Operate both engines at 100-percent torque
163-164	Operate engines at matched N_g and nominal 100-percent torque
166-179	Operate engine No. 2 at 100-percent torque and allow all temperatures to stabilize
183-213	Operate engine No. 1 at 100-percent torque and allow temperatures to stabilize
216-226	Operate engine No. 1 at 80-percent torque and allow all temperatures to stabilize
229-269	Operate engine No. 2 at same N_g previously set on engine No. 1 (at 80-percent torque) and allow temperatures to stabilize.
273-275	Operate engine No. 2 at 80-percent torque
277-280	Operate both engines at 50-percent torque
286-297	Operate engines at matched N_g and nominal 50-percent torque and allow temperatures to stabilize
301	APP - start
302	Throttles - ground idle
306	Throttles - shut off
308	APP - shutdown
313	End test

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-0 ENG. TUR INLE TEM (T-5 DEG.
1	0	3	0	2	*	0	38
2	0	21	0	2	*	0	35
3	0	40	0	2	*	0	34
4	0	58	0	1	*	0	36
5	1	17	0	2	*	0	34
6	1	36	0	1	*	0	36
7	1	54	0	2	*	0	34
8	2	13	0	1	*	0	35
9	2	31	0	2	*	0	36
10	2	50	0	2	*	0	35
11	3	8	0	2	*	0	35
12	3	27	0	2	*	0	34
13	3	46	0	2	*	0	35
14	4	4	0	2	*	0	35
15	4	23	0	2	*	0	35
16	4	41	0	2	*	0	35
17	5	0	0	2	*	0	35
18	5	18	0	2	*	0	35
19	5	37	0	2	*	0	34
20	5	56	0	2	*	0	34
21	6	14	0	2	*	0	35
22	6	33	0	2	*	0	36
23	6	51	0	2	*	0	36
24	7	10	0	2	*	0	34
25	7	29	0	2	*	0	34
26	7	47	0	1	*	0	34
27	8	6	0	2	*	0	36
28	8	25	0	2	*	0	34
29	8	43	0	2	*	0	34
30	9	2	0	1	*	0	35
31	9	20	0	2	*	0	35
32	9	39	0	2	*	0	34
33	9	57	0	2	*	0	35
34	10	16	0	1	*	0	35
35	10	35	0	1	*	0	36
36	10	53	0	2	*	0	34
37	11	12	0	2	*	0	36
38	11	30	0	1	*	0	36
39	11	49	0	1	*	0	36
40	12	8	0	2	*	0	35
41	12	26	0	2	*	0	36
42	12	45	0	2	*	0	35
43	13	3	0	2	*	0	35
44	13	22	0	2	*	0	34
45	13	41	0	2	*	0	34

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

1-06 G.1 UEL LOW /HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
2	*	0	38	0	*	*	1	34
2	*	0	35	0	*	*	1	32
2	*	0	34	0	*	*	1	32
1	*	0	36	0	*	*	1	32
2	*	0	34	0	*	*	1	33
1	*	0	36	0	*	*	1	32
2	*	0	34	0	*	*	1	32
1	*	0	35	0	*	*	1	32
2	*	0	36	0	*	*	1	32
2	*	0	35	0	*	*	1	32
2	*	0	35	0	*	*	1	32
2	*	0	34	0	*	*	1	33
2	*	0	35	0	*	*	1	32
2	*	0	35	0	*	*	1	33
2	*	0	35	0	*	*	1	33
2	*	0	35	0	*	*	1	33
2	*	0	35	0	*	*	1	33
2	*	0	35	0	*	*	1	32
2	*	0	34	0	*	*	1	32
2	*	0	34	0	*	*	1	33
2	*	0	35	0	*	*	1	34
2	*	0	36	0	*	*	0	33
2	*	0	36	0	*	*	1	32
2	*	0	34	0	*	*	0	33
2	*	0	34	0	*	*	1	33
1	*	0	34	0	*	*	1	33
2	*	0	36	0	*	*	1	32
2	*	0	34	0	*	*	1	33
2	*	0	34	0	*	*	1	34
1	*	0	35	0	*	*	1	33
2	*	0	35	0	*	*	0	33
2	*	0	34	0	*	*	1	33
2	*	0	35	0	*	*	1	33
1	*	0	35	0	*	*	1	33
1	*	0	36	0	*	*	1	33
2	*	0	34	0	*	*	0	33
2	*	0	36	0	*	*	1	33
1	*	0	36	0	*	*	0	32
1	*	0	36	0	*	*	1	34
2	*	0	35	0	*	*	0	34
2	*	0	36	0	*	*	1	33
2	*	0	35	0	*	*	1	33
2	*	0	35	0	*	*	1	33
2	*	0	34	0	*	*	1	32
2	*	0	34	0	*	*	1	33

2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
46	13	59	0	1	*	0	36
47	14	18	0	2	*	0	36
48	14	36	0	2	*	0	35
49	14	55	0	2	*	0	34
50	15	14	0	2	*	1	35
51	15	32	0	2	*	0	36
52	15	51	0	2	*	0	36
53	16	9	0	2	*	0	36
54	16	28	0	2	*	1	36
55	16	47	0	1	*	0	36
56	17	5	0	2	*	0	36
57	17	24	0	1	*	0	36
58	17	42	0	2	*	0	36
59	18	1	0	1	*	0	36
60	18	20	0	1	*	0	35
61	18	38	10	2	*	0	35
62	18	57	29	2	*	1	36
63	19	15	19	2	69	5	44
64	19	34	5	2	*	0	47
65	19	53	0	2	*	0	44
66	20	11	0	2	*	0	45
67	20	30	0	2	*	0	45
68	20	49	0	2	*	0	47
69	21	7	0	2	*	0	47
70	21	26	0	2	*	0	45
71	21	44	0	2	*	0	44
72	22	3	0	1	*	0	44
73	22	21	0	1	*	0	44
74	22	40	0	1	*	0	45
75	22	59	0	2	*	0	44
76	23	17	5	3	*	0	44
77	23	36	51	34	68	9	181
78	23	54	61	42	7	19	480
79	24	13	60	42	5	29	505
80	24	32	60	41	5	32	521
81	24	50	61	41	4	34	528
82	25	9	62	41	4	35	530
83	25	27	65	53	8	57	550
84	25	46	80	115	27	88	509
85	26	5	83	96	21	90	485
86	26	23	86	122	29	102	522
87	26	42	87	132	39	103	526
88	27	0	91	120	29	103	517
89	27	19	86	118	28	98	509
90	27	38	86	122	29	103	512
91	27	56	86	118	28	102	508
92	28	15	86	118	28	103	509
93	28	33	85	116	27	103	508
94	28	52	77	60	2	100	451
95	29	10	91	86	14	100	*

-06 G.1 UEL LOW /HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
1	*	0	36	0	*	*	1	32
2	*	0	36	0	*	*	1	33
2	*	0	35	0	*	*	0	33
2	*	0	34	0	*	*	0	33
2	*	1	35	0	*	*	1	34
2	*	0	36	0	*	*	1	34
2	*	0	36	9	*	*	0	33
2	*	0	36	0	*	*	1	33
2	*	1	36	1	*	*	1	33
1	*	0	36	0	*	*	1	33
2	*	0	36	0	*	*	1	34
1	*	0	36	0	*	*	1	33
2	*	0	36	0	*	*	1	33
1	*	0	36	0	*	*	1	32
1	*	0	35	0	*	*	1	33
2	*	0	35	0	*	*	0	34
2	*	1	36	0	*	*	0	34
2	69	5	44	0	*	*	1	33
2	*	0	47	0	*	*	1	32
2	*	0	44	28	*	*	1	35
2	*	0	45	22	*	64	10	40
2	*	0	45	6	*	*	1	42
2	*	0	47	0	*	*	1	42
2	*	0	47	0	*	*	1	42
2	*	0	45	0	*	*	1	42
2	*	0	44	0	*	*	1	43
1	*	0	44	0	*	*	0	40
1	*	0	44	0	*	*	1	40
1	*	0	45	0	*	*	1	42
2	*	0	44	0	*	*	1	42
3	*	0	44	0	*	*	1	42
34	68	9	181	0	*	*	0	42
42	7	19	480	0	*	*	1	42
42	5	29	505	0	*	*	1	42
41	5	32	521	0	*	*	1	42
41	4	34	528	0	*	*	1	40
41	4	35	530	0	*	*	1	40
53	8	57	550	0	*	*	1	40
15	27	88	509	0	*	*	1	39
96	21	90	485	0	*	*	0	40
22	29	102	522	0	*	*	0	39
32	39	103	526	0	*	*	0	42
20	29	103	517	0	*	*	1	39
18	28	98	509	0	*	*	0	38
22	29	103	512	39	28	0	18	78
18	28	102	508	64	44	0	61	451
18	28	103	509	68	57	0	69	519
16	27	103	508	79	64	0	102	438
60	2	100	451	87	118	27	104	490
86	14	100	[illegible]	83	92	13	102	475

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
96	29	29	83	89	14	101	456
97	29	48	84	89	14	101	463
98	30	6	83	90	14	101	463
99	30	25	80	68	7	93	438
100	30	43	81	74	8	97	441
101	31	2	83	89	15	100	452
102	31	21	83	87	14	102	457
103	31	39	84	88	14	100	463
104	31	58	83	89	14	100	462
105	32	16	84	92	18	102	460
106	32	35	85	89	15	99	457
107	32	54	83	89	15	100	456
108	33	12	84	89	15	100	458
109	33	31	83	90	15	100	461
110	33	49	85	100	24	99	470
111	34	8	86	112	26	100	498
112	34	27	86	112	26	100	499
113	34	45	86	112	26	102	505
114	35	4	86	112	27	100	504
115	35	22	85	112	26	100	503
116	35	41	85	112	27	100	502
117	35	59	86	112	27	100	502
118	36	18	86	113	27	100	500
119	36	37	86	112	27	100	500
120	36	55	87	113	27	100	502
121	37	14	87	112	27	*	500
122	37	32	86	112	27	100	502
123	37	51	91	112	27	99	499
124	38	10	86	112	27	100	500
125	38	28	86	113	25	*	503
126	38	47	86	112	27	100	502
127	39	5	83	87	14	100	463
128	39	24	83	87	13	100	459
129	39	43	83	85	13	100	457
130	40	1	83	85	13	100	456
131	40	20	84	86	13	100	458
132	40	38	83	86	13	*	455
133	40	57	83	86	13	*	455
134	41	16	84	86	13	100	457
135	41	34	84	88	13	100	463
136	41	53	84	92	17	100	465
137	42	12	83	91	16	99	465
138	42	30	83	92	16	99	465
139	42	49	83	92	16	*	463
140	43	7	83	92	16	*	463
141	43	26	83	91	16	100	463
142	43	45	84	91	17	100	465
143	44	3	83	86	14	99	460
144	44	22	84	90	15	99	462
145	44	40	83	91	16	98	465

1-06 ENG.1 [illegible]	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
8[illegible]	14	101	456	84	88	13	101	461
8[illegible]	14	101	463	84	89	13	*	460
9[illegible]	14	101	463	86	88	13	102	484
68	7	93	438	83	81	13	93	451
[illegible]	8	97	441	85	98	19	98	471
89	[illegible]	100	452	81	88	13	101	461
37	14	102	457	84	87	13	101	455
88	14	100	463	84	87	12	101	456
89	14	100	462	84	88	13	102	457
92	18	102	460	85	91	16	101	458
89	15	99	457	85	86	12	101	455
89	15	100	456	87	85	13	102	451
89	15	100	458	84	86	12	101	451
90	15	100	461	83	86	12	102	455
100	24	99	470	79	60	*	98	433
112	26	100	498	77	55	0	91	442
112	26	100	499	77	55	0	91	448
112	26	102	505	73	48	*	79	456
112	27	100	504	73	48	*	79	484
112	26	100	503	72	49	0	78	470
112	27	100	502	72	49	*	78	471
112	27	100	502	79	49	0	78	470
113	27	100	500	73	49	0	78	471
112	27	100	500	74	50	*	79	473
113	27	100	502	72	50	0	79	473
112	27	*	500	74	50	*	79	473
112	27	100	502	75	50	0	79	476
11[illegible]	27	99	499	74	50	*	79	475
112	27	100	500	74	51	0	80	484
113	26	*	503	74	50	0	79	484
11[illegible]	27	100	502	74	50	*	79	477
87	14	100	463	84	91	14	101	468
87	13	100	465	81	89	13	101	465
8[illegible]	13	100	457	85	89	[illegible]	101	458
8[illegible]	13	100	456	85	89	13	101	458
8[illegible]	13	100	453	85	88	13	101	458
8[illegible]	13	*	455	85	89	13	101	458
86	13	*	455	91	88	14	101	460
86	13	100	457	86	89	14	101	458
8[illegible]	13	100	453	85	88	13	101	458
92	17	100	465	84	81	10	101	447
91	16	99	465	83	82	10	101	446
92	16	99	465	84	82	10	100	448
92	16	*	463	84	82	10	101	447
92	16	*	463	84	82	10	101	451
91	16	100	463	84	82	10	101	450
91	17	100	465	84	83	12	101	450
[illegible]	14	99	460	85	88	13	101	452
90	15	99	462	83	82	10	100	448
91	16	98	465	83	82	11	101	447

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
146	44	59	83	91	16	99	463
147	45	18	84	91	16	99	465
148	45	36	84	91	16	99	465
149	45	55	84	92	16	100	466
150	46	13	84	93	17	100	465
151	46	32	85	91	17	99	466
152	46	51	83	91	16	100	465
153	47	9	84	92	17	100	467
154	47	28	84	92	16	99	465
155	47	47	84	92	16	99	465
156	48	5	84	92	16	100	465
157	48	24	85	92	17	100	463
158	48	42	85	97	19	100	465
159	49	1	84	98	19	100	467
160	49	20	92	184	72	100	577
161	49	38	97	249	99	99	701
162	49	57	96	246	97	100	705
163	50	16	96	246	98	99	708
164	50	34	94	225	73	100	690
165	50	53	81	81	12	100	460
166	51	11	84	97	16	100	463
167	51	30	79	59	2	98	425
168	51	49	78	59	2	98	420
169	52	7	78	59	2	98	419
170	52	26	78	59	2	97	420
171	52	45	78	59	2	98	418
172	53	3	78	59	1	98	416
173	53	22	78	59	2	99	420
174	53	40	78	59	2	98	419
175	53	59	78	60	2	98	418
176	54	18	77	60	2	97	419
177	54	36	78	61	2	97	419
178	54	55	78	60	2	97	419
179	55	14	78	60	3	98	419
180	55	32	77	60	2	97	418
181	55	51	86	119	34	*	472
182	56	9	91	182	61	104	602
183	56	28	96	251	98	102	710
184	56	47	96	249	100	102	706
185	57	5	96	249	100	99	705
186	57	24	96	250	101	99	706
187	57	43	96	248	99	100	705
188	58	1	95	248	99	99	702
189	58	20	95	247	99	99	702
190	58	38	92	250	100	99	705
191	58	57	96	247	100	100	708
192	59	16	95	248	100	99	701
193	59	34	96	247	99	99	701
194	59	53	96	247	100	100	705
195	60	12	92	247	99	99	7

-06	1-07	1-08	1-09	1-10	1-11	1-12	1-13	1-14
G.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
UEL		POWER	TURB		FUEL		POWER	TURB
LOW		TURB	INLET	RPM	FLOW		TURB	INLET
	TORQUE	SPEED	TEMP	(NG)		TORQUE	SPEED	TEMP
		RPM	(T-5)				RPM	(T-5)
/HR	PERCNT	PERCNT	DEG.C	PERCNT	GAL/HR	PERCNT	PERCNT	DEG.C
91	16	99	463	85	82	10	100	450
91	16	99	465	91	82	10	100	445
91	16	99	465	86	81	10	101	447
92	16	100	466	91	82	10	101	451
93	17	100	465	84	82	10	101	450
91	17	99	466	85	82	11	101	446
91	16	100	465	85	82	10	101	448
92	17	100	467	84	82	10	101	447
92	16	99	465	84	82	10	101	447
92	16	99	465	84	81	10	100	445
92	16	100	465	83	82	10	100	442
92	17	100	463	83	81	10	104	445
97	19	100	466	86	91	14	102	456
98	19	100	467	85	91	14	102	457
64	72	100	577	93	177	68	101	564
49	99	99	701	98	250	99	101	693
46	97	100	705	98	247	97	101	699
6	98	99	708	96	226	87	100	674
25	73	100	690	96	191	54	101	635
01	12	100	460	86	109	30	101	485
97	16	100	483	98	248	101	101	686
59	2	98	425	99	249	99	101	707
59	2	98	420	98	251	100	102	709
59	2	98	419	*	249	100	102	701
59	2	97	420	98	248	100	101	698
59	2	98	418	98	250	100	101	709
59	1	98	416	98	251	101	101	702
59	2	99	420	99	250	100	102	699
59	2	98	419	99	251	101	102	699
60	2	98	418	98	250	100	102	699
60	2	97	419	98	249	100	102	699
61	2	97	419	98	250	100	103	735
60	2	97	419	99	249	99	102	699
60	3	98	419	98	248	99	102	696
60	2	97	418	98	247	95	102	697
13	34	*	479	80	63	*	103	455
82	61	104	602	79	59	*	102	430
51	98	102	710	80	61	1	102	426
49	100	102	706	80	65	2	100	418
49	100	99	705	81	65	2	101	418
50	101	99	706	81	66	3	101	418
48	99	100	705	80	65	2	101	422
249	99	99	702	80	66	2	104	419
247	99	99	702	80	66	2	100	419
250	100	99	705	80	66	2	100	421
247	100	100	700	80	65	2	101	421
248	100	99	701	80	66	2	101	421
247	99	99	701	80	65	2	100	426
247	100	100	705	80	65	2	101	423
247	99	99	7	75	65	2	101	426

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
196	60	30	96	247	100	100	702
197	60	49	96	247	99	99	701
198	61	7	96	245	99	99	697
199	61	26	95	244	97	99	699
200	61	45	97	250	101	99	705
201	62	3	97	244	100	99	700
202	62	22	95	246	99	99	701
203	62	41	95	247	100	100	702
204	62	59	96	246	99	99	702
205	63	18	96	247	99	100	704
206	63	36	96	247	99	99	702
207	63	55	96	248	100	99	704
208	64	14	96	247	99	100	705
209	64	32	96	247	100	99	704
210	64	51	96	248	100	99	704
211	65	10	96	247	99	99	701
212	65	28	96	248	100	100	705
213	65	47	97	248	100	99	704
214	66	5	88	140	27	102	578
215	66	24	93	193	75	100	601
216	66	43	94	208	79	*	643
217	67	1	93	208	79	100	644
218	67	20	92	207	79	98	645
219	67	38	94	209	79	100	644
220	67	57	93	210	80	100	645
221	68	16	94	209	80	100	645
222	68	34	*	208	79	100	647
223	68	53	94	209	79	100	647
224	69	12	93	210	80	99	648
225	69	30	93	209	79	102	645
226	69	49	93	209	79	*	648
227	70	7	85	116	24	102	547
228	70	26	77	58	2	97	451
229	70	45	78	59	2	99	422
230	71	3	78	59	2	99	416
231	71	22	78	60	2	100	414
232	71	41	78	60	2	97	414
233	71	59	78	60	2	99	413
234	72	18	78	60	2	99	414
235	72	36	78	60	2	*	415
236	72	55	78	60	2	99	414
237	73	14	77	60	2	100	414
238	73	32	78	60	2	99	413
239	73	51	77	61	2	99	414
240	74	10	78	61	2	99	413
241	74	28	75	60	2	99	415
242	74	47	78	60	2	100	415
243	75	5	78	60	2	99	413
244	75	24	77	61	2	99	414
245	75	43	78	60	2	99	414

1-06 ENG.1 FUEL FLOW /HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
47	100	100	702	85	66	2	101	425
47	99	99	701	80	66	2	*	422
45	99	99	697	80	65	2	100	423
44	97	99	699	79	65	1	100	421
50	101	99	705	80	66	2	101	425
44	100	99	700	81	65	2	100	423
46	99	99	701	80	65	2	101	423
47	100	100	702	80	65	2	100	426
46	99	99	702	80	65	1	100	422
47	99	100	704	80	65	2	100	425
47	99	99	702	*	65	2	100	422
48	100	99	704	80	65	2	100	423
47	99	100	705	80	65	2	104	426
47	100	99	704	82	65	2	100	422
49	100	99	704	81	65	2	104	422
47	99	99	701	85	65	2	101	423
48	100	100	705	81	66	2	100	425
48	100	99	704	82	65	2	101	426
40	27	102	578	78	58	*	98	423
43	75	100	601	80	61	*	101	436
38	79	*	643	79	60	*	101	433
38	79	100	644	79	61	*	100	427
37	79	98	645	79	60	*	100	428
39	79	100	644	80	60	*	100	426
40	80	100	645	80	60	*	100	425
39	80	100	645	79	60	*	100	426
3	79	100	647	79	60	*	101	425
5	79	100	647	79	61	*	100	425
40	80	99	648	80	60	*	101	426
39	79	102	645	79	61	*	100	426
39	79	*	648	82	60	*	100	425
36	24	102	547	78	59	*	97	428
8	2	97	451	87	116	30	101	480
9	2	99	422	94	189	67	101	604
9	2	99	416	97	187	66	101	609
10	2	100	414	94	187	66	100	609
10	2	97	414	94	186	66	100	612
9	2	99	413	*	186	66	100	612
9	2	99	414	94	186	66	104	610
9	2	*	415	93	186	66	101	609
9	2	99	414	94	187	67	100	619
10	2	100	414	94	186	66	100	609
10	2	99	413	94	186	67	101	610
11	2	99	414	94	186	66	100	609
11	2	99	413	75	186	66	100	609
9	2	99	415	94	184	65	100	608
9	2	100	415	93	184	65	100	606
9	2	99	413	94	184	66	100	606
11	2	99	414	93	184	65	101	609
9	2	99	414	95	186	66	101	609

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
246	76	1	78	60	2	99	414
247	76	20	79	60	2	99	414
248	76	39	78	60	2	99	415
249	76	57	79	60	2	99	415
250	77	16	78	60	2	98	415
251	77	35	77	61	2	99	415
252	77	53	77	61	2	100	414
253	78	12	78	61	2	98	415
254	78	30	78	61	2	*	415
255	78	49	78	61	2	99	415
256	79	8	77	60	2	99	415
257	79	26	78	61	2	98	415
258	79	45	77	60	2	97	415
259	80	4	78	60	2	99	416
260	80	22	78	60	2	99	414
261	80	41	77	61	2	98	415
262	81	0	78	61	2	100	416
263	81	18	78	61	2	99	415
264	81	37	78	60	2	99	415
265	81	55	77	61	2	98	416
266	82	14	78	60	2	99	415
267	82	33	78	61	2	99	414
268	82	51	78	60	2	97	415
269	83	10	77	61	2	98	416
270	83	29	85	88	14	100	442
271	83	47	82	89	15	101	451
272	84	6	90	160	59	103	532
273	84	25	94	212	81	100	641
274	84	43	94	212	80	100	652
275	85	2	94	211	80	97	654
276	85	20	89	153	50	98	561
277	85	39	90	156	51	*	565
278	85	58	89	157	51	99	568
279	86	16	89	156	51	100	568
280	86	35	89	156	51	100	565
281	86	54	89	160	53	100	569
282	87	12	90	162	54	99	570
283	87	31	92	165	56	99	579
284	87	50	90	165	55	99	578
285	88	8	90	165	56	99	578
286	88	27	90	167	58	100	582
287	88	46	91	166	56	100	580
288	89	4	88	150	49	99	552
289	89	23	90	166	57	99	575
290	89	42	90	165	56	99	578
291	90	0	90	166	57	99	579
292	90	19	*	165	57	99	579
293	90	38	90	166	57	97	580
294	90	56	90	166	57	99	580
295	91	15	90	167	57	99	[illegible]

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1-06 ENG.1 FUEL FLOW LB/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
60	2	99	414	75	184	66	101	604
60	2	99	414	94	185	66	100	605
60	2	99	415	93	185	66	100	605
60	2	99	415	93	183	66	101	606
60	2	98	415	93	184	65	100	605
61	2	99	415	94	186	66	100	612
61	2	100	414	94	185	66	100	605
61	2	98	415	94	187	67	100	612
61	2	*	415	94	186	67	100	605
61	2	99	415	93	185	66	101	619
60	2	99	415	94	186	67	100	609
61	2	98	415	94	186	66	100	609
60	2	97	415	94	185	66	99	608
60	2	99	416	94	187	67	101	606
60	2	99	414	93	187	67	100	609
61	2	98	415	94	186	67	100	609
61	2	100	416	94	186	67	100	609
61	2	99	415	94	185	66	101	609
60	2	99	415	94	186	67	100	606
61	2	98	416	92	186	67	100	609
60	2	99	415	94	186	66	100	609
61	2	99	414	96	183	65	101	604
60	2	97	415	96	184	66	100	605
61	2	98	416	93	184	66	100	609
88	14	100	442	84	86	12	101	466
89	15	101	451	84	85	12	101	446
160	59	103	532	90	144	48	103	510
2.2	81	100	641	95	208	79	100	624
212	80	100	652	95	209	78	101	637
211	80	97	654	95	210	80	101	647
153	50	98	561	92	162	55	100	571
156	51	*	565	91	153	48	102	609
157	51	99	568	90	152	48	100	556
156	51	100	568	90	152	48	101	563
156	51	100	565	90	153	48	101	555
160	53	100	569	90	149	46	101	550
162	54	99	570	89	146	44	101	551
165	56	99	579	90	142	43	101	537
165	55	99	578	89	142	42	100	537
165	56	99	578	89	141	42	101	536
167	58	100	582	90	142	42	100	535
166	56	100	580	91	141	42	101	536
150	49	99	552	90	125	34	100	505
166	57	99	575	89	138	40	100	526
165	56	99	578	91	138	40	101	527
166	57	99	579	89	138	40	101	529
165	57	99	579	89	138	41	99	531
166	57	97	580	88	139	41	100	531
166	57	99	580	89	139	40	100	531
167	57	99	[illegible]	89	140	42	100	534

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-0 ENG. TUR INLE TEM (T-5 DEG.
296	91	34	90	167	57	99	582
297	91	52	91	167	56	99	582
298	92	11	84	101	11	100	514
299	92	30	83	90	17	99	463
300	92	48	83	85	14	99	456
301	93	7	83	83	13	98	446
302	93	25	83	99	25	98	458
303	93	44	62	39	2	59	476
304	94	3	63	40	3	51	494
305	94	21	62	40	3	49	498
306	94	40	24	2	0	23	418
307	94	59	9	1	14	7	286
308	95	17	3	1	*	0	231
309	95	36	0	1	*	0	217
310	95	55	0	2	*	0	223
311	96	13	0	1	*	0	237
312	96	32	0	1	*	0	249
313	96	51	0	1	*	0	251
314	*	*	*	*	*	*	

1155

06	1-07	1-08	1-09	1-10	1-11	1-12	1-13	1-14
.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
EL		POWER	TURB		FUEL		POWER	TURB
OW		TURB	INLET	RPM	FLOW		TURB	INLET
	TORQUE	SPEED	TEMP	(NG)		TORQUE	SPEED	TEMP
		RPM	(T-5)				RPM	(T-5)
HR	PERCNT	PERCNT	DEG.C	PERCNT	GAL/HR	PERCNT	PERCNT	DEG.C
7	57	99	582	89	139	41	100	534
7	58	99	582	90	139	41	100	534
1	11	100	514	83	83	5	101	478
0	17	99	463	83	78	9	100	446
5	14	99	456	91	87	13	100	453
3	13	98	446	87	87	12	101	448
9	25	98	458	76	47	*	92	428
9	2	59	476	66	42	0	61	472
0	3	51	494	67	42	2	51	492
0	3	49	498	66	43	2	49	496
2	0	23	418	27	*	*	26	411
1	14	7	286	9	*	21	9	274
1	*	0	231	3	*	*	1	222
1	*	0	217	0	*	*	1	211
2	*	0	223	0	*	*	1	214
1	*	0	237	0	*	*	1	227
1	*	0	249	0	*	*	1	239
1	*	0	258	0	*	*	1	249
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
1	0	3	0	*	*	4	1
2	0	21	0	*	*	4	1
3	0	40	0	*	*	3	1
4	0	58	0	*	*	3	1
5	1	17	0	*	*	3	1
6	1	36	0	*	*	4	0
7	1	54	0	*	*	3	1
8	2	13	0	*	*	3	1
9	2	31	0	*	*	2	1
10	2	50	0	*	*	5	1
11	3	8	0	*	*	3	0
12	3	27	0	*	*	3	1
13	3	46	0	*	*	3	1
14	4	4	0	*	*	4	0
15	4	23	0	*	*	3	1
16	4	41	0	*	*	3	1
17	5	0	0	*	*	4	0
18	5	18	0	*	*	3	1
19	5	37	0	*	*	5	1
20	5	56	0	*	*	4	1
21	6	14	0	*	*	4	1
22	6	33	1	*	*	3	1
23	6	51	0	*	*	3	1
24	7	10	0	*	*	4	1
25	7	29	0	*	*	4	1
26	7	47	0	*	*	4	1
27	8	6	0	*	*	3	0
28	8	25	0	*	*	3	0
29	8	43	0	*	*	3	1
30	9	2	0	*	*	3	0
31	9	20	0	*	*	4	0
32	9	39	0	*	*	4	1
33	9	57	0	*	*	4	1
34	10	16	0	*	*	3	0
35	10	35	0	*	*	3	1
36	10	53	0	*	*	3	1
37	11	12	0	*	*	3	1
38	11	30	0	*	*	3	1
39	11	49	0	*	*	3	1
40	12	8	0	*	*	3	1
41	12	26	0	*	*	4	0
42	12	45	0	*	*	4	1
43	13	3	0	*	*	4	1
44	13	22	0	*	*	4	1
45	13	41	0	*	*	4	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

1-17 L.H. ROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
*	*	4	1	1	4	4	6	3
*	*	4	1	1	3	3	7	3
*	*	3	1	1	3	4	9	4
*	*	3	1	1	3	3	9	3
*	*	3	1	1	2	2	9	2
*	*	4	0	1	3	3	3	3
*	*	3	1	1	2	3	4	2
*	*	3	1	1	3	4	9	3
*	*	2	1	1	3	4	6	3
*	*	5	1	1	2	3	7	3
*	*	3	0	1	2	3	9	2
*	*	3	1	1	3	3	7	3
*	*	3	1	1	3	4	5	3
*	*	4	0	1	3	3	9	2
*	*	3	1	1	3	3	7	2
*	*	3	1	1	3	3	4	2
*	*	4	0	1	2	3	9	3
*	*	3	1	1	2	3	4	3
*	*	5	1	1	3	3	7	2
*	*	4	1	1	4	35	4	3
*	*	4	1	1	2	25	4	3
*	*	3	1	1	3	32	5	3
*	*	3	1	1	3	31	4	3
*	*	4	1	1	3	33	4	2
*	*	4	1	0	3	31	8	2
*	*	4	1	0	4	34	6	2
*	*	3	0	1	2	31	9	3
*	*	3	0	1	2	33	9	3
*	*	3	1	1	3	34	4	2
*	*	3	0	1	3	33	9	3
*	*	4	0	1	2	31	4	2
*	*	4	1	1	3	33	3	3
*	*	4	1	1	2	33	8	2
*	*	3	0	1	2	31	3	2
*	*	3	1	1	3	32	9	3
*	*	3	1	1	2	32	3	2
*	*	3	1	0	3	31	4	3
*	*	3	1	1	3	32	8	3
*	*	3	1	1	3	32	9	3
*	*	3	1	1	3	32	9	3
*	*	4	0	1	2	32	9	2
*	*	4	1	1	3	32	3	3
*	*	4	1	1	2	32	3	2
*	*	4		1	2	32	4	2
*	*	4		1	4	32	4	2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
46	13	59	0	*	*	3	0
47	14	18	0	*	*	4	1
48	14	36	0	*	*	4	0
49	14	55	0	*	*	3	1
50	15	14	0	*	0	3	1
51	15	32	0	*	*	3	1
52	15	51	0	*	*	4	1
53	16	9	0	*	*	4	1
54	16	28	0	*	*	4	1
55	16	47	0	*	*	3	1
56	17	5	0	*	*	4	1
57	17	24	0	23	23	3	1
58	17	42	0	97	94	4	0
59	18	1	0	*	*	3	0
60	18	20	0	*	*	3	1
61	18	38	0	*	*	9	3
62	18	57	2	*	*	14	7
63	19	15	3	*	*	4	4
64	19	34	5	*	*	0	2
65	19	53	5	*	*	0	2
66	20	11	3	*	*	1	2
67	20	30	3	*	*	2	1
68	20	49	1	*	*	3	1
69	21	7	0	*	*	3	1
70	21	26	0	*	*	3	1
71	21	44	0	*	0	3	1
72	22	3	0	*	*	3	1
73	22	21	0	*	*	4	1
74	22	40	0	*	*	3	1
75	22	59	0	*	0	4	1
76	23	17	0	*	0	5	4
77	23	36	4	21	*	27	12
78	23	54	21	21	*	38	17
79	24	13	29	21	0	39	14
80	24	32	33	21	*	35	15
81	24	50	34	21	*	33	15
82	25	9	34	21	0	34	14
83	25	27	35	42	*	44	16
84	25	46	90	42	*	57	20
85	26	5	90	62	*	55	19
86	26	23	104	97	*	55	23
87	26	42	103	97	*	60	22
88	27	0	*	97	*	57	23
89	27	19	104	97	*	55	22
90	27	38	104	97	20	57	25
91	27	56	104	97	20	54	21
92	28	15	104	97	39	57	25
93	28	33	104	97	78	57	22
94	28	52	103	77	94	45	19
95	29	10	102	88	84	51	20

1-17	1-18	1-19	1-20	1-21	1-22	1-23	1-24	1-25
.H.	R.H.	ENG.1	ENG.1	ENG.1	ENG.1	ACCESS	MAIN	ENG.1
TT	THROTT	OIL	SCAV	FUEL	NOSE	GEAR	GEAR	BLEED
OS	POS	PUMP	PUMP	BOOST	GEAR	BOX	BOX	AIR
		OUTLET	OUTLET	PUMP	BOX	OIL	OIL	
NT	PERCNT	PRESS	PRESS	OUTLET	OIL	PRESS	PRESS	PRESS
EL	TRAVEL	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG
*	*	3	0	1	2	31	3	3
*	*	4	1	1	3	32	3	3
*	*	4	0	1	3	31	9	3
*	*	3	1	1	2	32	3	2
*	0	3	1	1	2	32	3	2
*	*	3	1	1	3	32	3	3
*	*	4	1	1	3	32	9	2
*	*	4	1	1	4	31	4	3
*	*	4	1	1	2	30	7	3
*	*	3	1	1	3	32	3	3
*	*	4	1	1	3	32	6	3
23	23	3	1	1	3	30	3	3
97	94	4	0	1	3	30	3	2
*	*	3	0	1	2	32	6	3
*	*	3	1	1	3	32	3	3
*	*	9	3	0	2	30	5	3
*	*	14	7	*	3	30	9	4
*	*	4	4	0	2	29	4	3
*	*	0	2	1	3	29	3	3
*	*	0	2	0	3	30	3	2
*	*	1	2	1	3	30	2	4
*	*	2	1	1	3	30	6	3
*	*	3	1	1	2	31	6	3
*	*	3	1	1	2	30	3	3
*	*	3	1	1	3	30	4	3
*	0	3	1	1	2	30	4	3
*	*	3	1	1	3	30	5	3
*	*	4	1	1	3	30	3	2
*	*	3	1	1	3	29	3	3
*	0	4	1	1	3	29	2	4
*	0	5	4	2	2	29	3	3
1	*	27	12	5	2	30	7	12
1	*	38	17	20	9	30	9	20
1	0	39	14	18	16	30	16	21
1	*	35	15	16	20	30	24	20
1	*	33	15	1	21	31	21	21
1	0	34	14	20	22	30	22	21
2	*	44	16	16	24	29	23	37
2	*	57	20	21	72	27	65	79
2	*	55	19	22	69	29	64	74
7	*	55	23	21	70	30	57	90
7	*	60	22	23	71	30	57	103
7	*	57	23	22	74	30	58	90
7	*	55	22	24	72	27	57	89
7	20	57	25	18	69	27	58	91
7	20	54	21	22	71	29	58	90
7	39	57	25	22	71	30	57	90
7	78	57	22	22	71	30	57	89
7	94	45	19	18	71	27	57	47
8	84	51	20	21	72	30	58	72

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
96	29	29	102	88	84	51	23
97	29	48	102	88	84	51	21
98	30	6	101	86	84	50	20
99	30	25	92	60	61	47	20
100	30	43	98	80	80	48	21
101	31	2	101	86	82	50	22
102	31	21	101	85	81	49	20
103	31	39	101	84	82	50	19
104	31	58	102	84	81	50	21
105	32	16	102	83	82	53	20
106	32	35	101	84	82	51	22
107	32	54	101	84	81	52	23
108	33	12	102	84	82	51	20
109	33	31	101	84	81	50	21
110	33	49	100	84	56	54	19
111	34	8	101	88	31	51	24
112	34	27	101	88	32	52	19
113	34	45	100	88	28	54	20
114	35	4	101	88	28	53	21
115	35	22	100	89	28	54	21
116	35	41	101	88	28	51	20
117	35	59	101	89	28	51	22
118	36	18	101	88	30	52	21
119	36	37	102	88	30	54	19
120	36	55	101	89	29	52	20
121	37	14	101	88	30	51	22
122	37	32	100	88	29	53	21
123	37	51	101	88	29	51	24
124	38	10	101	89	30	52	18
125	38	28	100	88	30	52	19
126	38	47	100	88	29	51	22
127	39	5	100	85	82	48	21
128	39	24	101	85	81	48	21
129	39	43	100	83	82	50	20
130	40	1	100	83	82	48	20
131	40	20	101	83	81	49	18
132	40	38	101	83	82	51	20
133	40	57	100	83	82	49	20
134	41	16	100	83	82	48	23
135	41	34	100	83	82	48	18
136	41	53	100	84	80	51	20
137	42	12	100	84	80	49	2
138	42	30	99	84	80	48	2
139	42	49	100	84	80	50	1
140	43	7	100	84	80	51	1
141	43	26	100	84	80	50	1
142	43	45	100	84	82	49	1
143	44	3	100	84	82	49	2
144	44	22	100	84	79	48	2
145	44	40	100	84	79	49	

-17	1-18	1-19	1-20	1-21	1-22	1-23	1-24	1-25
.H.	R.H.	ENG.1	ENG.1	ENG.1	ENG.1	ACCESS	MAIN	ENG.1
OTT	THROTT	OIL	SCAV	FUEL	NOSE	GEAR	GEAR	BLEED
POS	POS	PUMP	PUMP	BOOST	GEAR	BOX	BOX	AIR
		OUTLET	OUTLET	PUMP	BOX	OIL	OIL	
CNT	PERCNT	PRESS	PRESS	OUTLET	OIL	PRESS	PRESS	PRESS
VEL	TRAVEL	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG
88	84	51	23	21	69	26	64	72
88	84	51	21	22	68	30	60	72
86	84	50	20	22	70	28	55	71
60	61	47	20	19	71	26	62	55
80	80	48	21	18	67	27	63	61
86	82	50	22	22	68	28	60	71
85	81	49	20	21	68	30	62	71
84	82	50	19	20	67	29	64	71
84	81	50	21	17	66	27	62	71
83	82	53	20	21	75	26	60	72
84	82	51	22	20	71	29	62	71
84	81	52	23	20	70	30	61	71
84	82	51	20	23	72	29	62	72
84	81	50	21	21	70	31	60	72
84	56	54	19	22	66	29	62	85
88	31	51	24	22	71	28	61	87
88	32	52	19	22	77	27	63	85
88	28	54	20	21	74	29	62	86
88	28	53	21	21	80	29	63	86
89	28	54	21	22	70	27	64	87
88	28	51	20	21	62	29	65	85
89	28	51	22	23	74	29	62	87
88	30	52	21	22	62	26	64	87
88	30	54	19	21	72	29	64	87
89	29	52	20	24	66	29	63	87
88	30	51	22	22	63	31	64	87
88	29	53	21	21	77	30	65	86
88	29	51	24	22	75	29	64	87
89	30	52	18	25	74	29	63	87
88	30	52	19	21	72	27	66	85
86	29	51	22	23	74	26	63	86
85	82	48	21	22	69	24	68	70
85	81	48	21	18	66	28	63	69
83	82	50	20	23	64	25	66	69
83	82	48	20	22	64	26	66	68
83	81	49	18	22	66	26	67	71
83	82	51	20	21	71	28	64	70
83	82	49	20	21	71	30	65	69
83	82	48	22	21	80	27	66	69
83	82	48	18	20	68	32	63	69
84	80	51	20	22	61	29	65	72
84	80	49	21	22	67	29	65	72
84	80	48	21	21	71	29	66	72
84	80	50	18	22	71	27	65	74
84	80	51	19	20	64	29	63	73
84	80	50	18	22	64	29	64	72
84	82	49	19	21	70	27	64	71
84	82	49	22	22	73	25	64	69
84	79	48	21	21	70	27	66	72
84	79	49		21	72	27	66	72

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
146	44	59	100	84	79	50	21
147	45	18	100	84	79	51	20
148	45	36	100	85	79	51	20
149	45	55	100	85	78	50	21
150	46	13	100	85	79	50	21
151	46	32	100	85	79	50	19
152	46	51	100	85	79	49	19
153	47	9	102	84	79	50	20
154	47	28	100	85	78	49	19
155	47	47	100	84	79	51	20
156	48	5	100	85	79	51	20
157	48	24	100	85	79	54	20
158	48	42	101	86	82	51	20
159	49	1	101	84	82	51	20
160	49	20	100	84	84	61	21
161	49	38	100	84	84	64	23
162	49	57	100	84	84	62	24
163	50	16	100	84	80	63	24
164	50	34	102	84	80	54	23
165	50	53	101	77	80	48	20
166	51	11	100	71	91	47	18
167	51	30	102	64	91	44	18
168	51	49	101	64	91	44	25
169	52	7	102	64	91	44	18
170	52	26	102	64	91	45	19
171	52	45	101	64	91	45	20
172	53	3	101	64	91	45	21
173	53	22	100	64	91	45	21
174	53	40	102	64	91	45	21
175	53	59	98	63	91	46	19
176	54	18	101	64	91	45	19
177	54	36	102	64	91	46	19
178	54	55	101	64	91	45	19
179	55	14	102	64	90	44	20
180	55	32	101	64	90	45	20
181	55	51	104	95	74	53	20
182	56	9	105	95	70	67	20
183	56	28	100	88	66	64	20
184	56	47	*	88	66	64	20
185	57	5	100	88	66	61	20
186	57	24	100	88	66	63	20
187	57	43	99	88	66	63	20
188	58	1	100	88	66	62	20
189	58	20	100	88	66	63	20
190	58	38	100	88	66	61	20
191	58	57	99	88	65	64	20
192	59	16	100	88	66	64	20
193	59	34	99	88	66	63	20
194	59	53	100	88	66	63	20
195	60	12	100	88	65	62	20

1-17	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
84	79	50	21	21	65	29	67	74
84	79	51	20	22	67	24	63	74
85	79	51	20	24	66	30	66	72
85	78	50	21	22	70	27	65	74
85	79	50	21	21	71	29	66	73
85	79	50	19	21	69	27	65	74
85	79	49	19	21	70	30	65	72
84	79	50	20	21	74	30	66	73
85	78	49	19	22	75	27	65	74
84	79	51	20	22	68	25	65	74
85	79	51	20	21	61	29	64	73
85	79	54	20	20	66	30	65	78
86	82	51	20	22	74	29	66	78
84	82	51	20	21	66	27	66	78
84	84	61	21	22	74	28	65	134
84	84	64	25	25	67	26	65	151
84	84	62	24	27	65	28	66	151
84	84	63	24	24	69	29	64	153
84	80	54	23	22	68	27	66	100
84	80	48	20	21	71	26	65	81
77	80	47	18	20	65	26	65	70
71	91	44	18	22	66	27	66	47
64	91	44	20	22	71	27	66	47
64	91	44	18	20	64	26	63	47
64	91	45	19	20	71	28	65	47
64	91	45	20	19	65	29	69	47
64	91	45	20	19	75	25	65	47
64	91	45	20	17	67	25	66	46
64	91	45	17	20	70	26	66	47
64	91	45	18	18	69	29	67	47
63	91	46	18	21	69	27	69	47
64	91	45	19	20	67	29	66	47
64	91	46	18	20	70	29	66	48
64	91	45	22	17	66	26	66	48
64	90	44	20	18	66	29	66	45
64	90	45	20	21	64	28	61	95
95	74	53	26	23	72	31	63	129
95	70	67	25	23	74	27	66	151
88	66	64	24	21	68	28	66	152
88	66	64	24	23	67	29	65	153
88	66	61	24	22	50	26	36	154
88	66	63	23	23	62	30	65	152
88	66	63	27	22	68	29	67	153
88	66	62	22	20	71	28	65	154
88	66	63	25	21	67	29	66	154
88	66	64	23	22	65	26	65	154
88	66	64	23	23	74	24	66	154
88	66	63	26	28	70	27	66	152
88	66	63	24	24	67	29	66	154
88	65	62	23	24	66	27	68	154

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
196	60	30	100	88	66	61	22
197	60	49	100	88	66	63	26
198	61	7	100	88	66	62	25
199	61	26	100	88	66	64	24
200	61	45	100	88	66	63	26
201	62	3	97	88	66	61	22
202	62	22	99	88	66	61	24
203	62	41	100	88	66	61	23
204	62	59	99	88	66	63	26
205	63	18	99	88	66	62	23
206	63	36	100	89	66	64	23
207	63	55	99	88	66	62	28
208	64	14	100	89	66	63	26
209	64	32	100	88	66	63	22
210	64	51	99	88	66	63	24
211	65	10	100	89	66	61	24
212	65	28	100	88	66	61	23
213	65	47	100	88	66	63	24
214	66	5	103	88	66	46	21
215	66	24	101	88	66	59	23
216	66	43	102	88	66	55	22
217	67	1	100	87	66	60	23
218	67	20	102	87	66	64	23
219	67	38	101	87	65	61	23
220	67	57	100	87	65	61	23
221	68	16	100	87	66	61	22
222	68	34	102	87	65	60	23
223	68	53	101	87	65	61	26
224	69	12	101	87	66	61	23
225	69	30	100	88	66	59	24
226	69	49	100	87	65	59	22
227	70	7	*	87	65	51	21
228	70	26	100	70	85	45	18
229	70	45	100	70	85	43	19
230	71	3	100	70	85	43	19
231	71	22	100	70	85	44	17
232	71	41	100	70	85	45	18
233	71	59	100	70	85	45	18
234	72	18	100	70	85	43	17
235	72	36	100	70	85	45	17
236	72	55	100	69	85	44	17
237	73	14	*	69	84	45	20
238	73	32	100	70	84	45	20
239	73	51	100	69	85	47	21
240	74	10	99	69	84	46	19
241	74	28	100	70	85	45	20
242	74	47	100	70	84	45	18
243	75	5	99	69	84	47	24
244	75	24	100	69	84	45	17
245	75	43	100	69	85	45	

1-17	1-18	1-19	1-20	1-21	1-22	1-23	1-24	1-25
L.H.	R.H.	ENG.1	ENG.1	ENG.1	ENG.1	ACCESS	MAIN	ENG.1
THROTT	THROTT	OIL	SCAV	FUEL	NOSE	GEAR	GEAR	BLEED
POS	POS	PUMP	PUMP	BOOST	GEAR	BOX	BOX	AIR
		OUTLET	OUTLET	PUMP	BOX	OIL	OIL	
PERCNT	PERCNT	PRESS	PRESS	OUTLET	OIL	PRESS	PRESS	PRESS
TRAVEL	TRAVEL	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG
88	66	61	22	22	68	29	66	154
88	66	63	26	22	73	27	66	154
88	66	62	25	24	74	25	67	153
88	66	64	24	24	71	29	66	151
88	66	63	26	22	71	27	66	153
88	66	61	22	24	69	29	66	154
88	66	61	24	21	62	26	67	151
88	66	61	23	22	65	28	66	153
88	66	63	26	26	64	27	67	155
88	66	62	23	23	69	28	64	152
89	66	64	23	24	66	24	66	153
88	66	62	28	22	63	29	68	153
89	66	63	26	23	70	28	67	154
88	66	63	22	23	69	27	66	153
88	66	63	24	24	59	30	66	153
89	66	61	24	22	70	26	67	154
88	66	61	23	24	72	26	67	153
88	66	63	24	23	70	28	68	153
88	66	46	21	21	67	29	66	81
88	66	59	23	22	68	29	67	136
88	66	55	22	24	61	26	66	136
87	66	60	23	23	72	26	66	138
87	66	64	23	26	69	26	67	136
87	65	61	23	24	68	29	68	136
87	65	61	23	23	68	26	66	137
87	66	61	22	22	72	27	66	136
87	65	60	23	24	75	30	66	137
87	65	61	26	24	69	26	67	136
87	66	61	23	26	74	26	66	137
88	66	59	24	22	68	29	66	137
87	65	59	22	24	65	27	68	137
87	65	51	21	24	69	29	66	87
70	85	45	18	20	63	29	66	46
70	85	43	19	20	66	26	65	49
70	85	43	19	18	66	26	66	49
70	85	44	17	20	65	29	66	49
70	85	45	18	18	63	25	66	49
70	85	45	18	19	64	26	66	49
70	85	43	17	20	63	29	66	49
70	85	45	17	18	70	28	65	48
69	85	44	17	17	67	29	66	48
69	84	45	20	20	71	29	67	49
70	84	45	20	19	72	29	65	49
69	85	47	21	20	80	29	66	49
69	84	46	19	19	62	27	66	48
70	85	45	20	19	74	30	65	48
70	84	45	18	19	78	29	65	47
69	84	47	24	18	64	25	66	48
69	84	45	17	18	64	26	66	49
69	85	45		20	74	29	65	49

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-2 ENG. SCA PUM OUTLE PRES PSI
246	76	1	100	69	84	46	20
247	76	20	*	70	84	46	19
248	76	39	100	69	84	45	19
249	76	57	100	70	85	45	20
250	77	16	*	70	84	46	20
251	77	35	100	69	84	45	23
252	77	53	100	69	84	45	18
253	78	12	99	70	84	45	19
254	78	30	100	69	84	46	18
255	78	49	100	69	85	47	22
256	79	8	100	69	84	46	17
257	79	26	100	69	84	46	19
258	79	45	99	69	84	46	18
259	80	4	99	69	85	46	18
260	80	22	99	70	84	45	22
261	80	41	100	69	84	46	19
262	81	0	100	70	85	47	20
263	81	18	99	69	84	46	19
264	81	37	99	69	84	47	18
265	81	55	100	69	85	48	21
266	82	14	100	69	84	46	23
267	82	33	100	69	84	45	20
268	82	51	100	70	84	48	18
269	83	10	100	69	84	48	20
270	83	29	101	86	80	52	20
271	83	47	101	86	81	51	20
272	84	6	102	87	83	63	21
273	84	25	100	82	82	64	20
274	84	43	*	82	82	63	21
275	85	2	*	82	82	62	23
276	85	20	102	81	79	57	23
277	85	39	100	83	79	57	23
278	85	58	101	83	79	57	20
279	86	16	100	83	79	58	22
280	86	35	100	83	79	58	20
281	86	54	100	83	78	57	20
282	87	12	100	83	77	60	22
283	87	31	100	83	77	58	20
284	87	50	100	83	77	60	21
285	88	8	100	83	77	60	23
286	88	27	100	83	77	57	20
287	88	46	100	83	77	58	21
288	89	4	100	83	76	60	20
289	89	23	100	83	77	58	21
290	89	42	100	83	77	60	21
291	90	0	100	83	77	58	21
292	90	19	99	83	77	57	21
293	90	38	100	83	77	58	20
294	90	56	100	83	77	60	21
295	91	15	100	83	77	57	20

1-17 R.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
69	84	46	20	20	72	29	66	49
70	84	46	19	18	70	28	66	49
69	84	45	19	20	78	30	65	49
70	85	45	20	16	74	26	65	48
70	84	46	20	20	66	28	66	48
69	84	45	23	17	68	27	65	48
69	84	45	18	18	73	26	64	48
70	84	45	19	16	74	28	67	49
69	84	46	18	20	75	29	66	48
69	85	47	22	16	71	27	65	49
69	84	46	17	22	71	29	66	49
69	84	46	19	18	66	26	66	48
69	84	46	18	19	60	27	66	48
69	85	46	18	22	74	29	64	48
70	84	45	22	17	62	29	67	48
69	84	46	19	18	77	29	64	48
70	85	47	20	19	63	26	66	48
69	84	46	19	18	63	31	66	48
69	84	47	18	16	69	26	66	48
69	85	48	21	17	83	27	65	49
69	84	46	23	17	65	28	66	48
69	84	45	20	19	70	26	67	48
70	84	48	18	20	64	29	66	48
69	84	48	20	17	75	27	66	47
86	80	52	20	22	66	28	65	72
86	81	51	20	18	75	29	66	72
87	83	63	21	20	74	29	66	120
82	82	64	24	24	69	27	67	138
82	82	63	21	24	69	30	67	137
82	82	62	23	23	68	30	68	138
81	79	57	23	21	66	25	66	113
83	79	57	23	24	72	30	67	113
83	79	57	24	24	63	27	66	113
83	79	58	22	21	70	27	65	112
83	79	58	24	24	74	29	66	112
83	78	57	26	21	71	28	66	114
83	77	60	22	24	83	29	66	116
83	77	58	24	22	74	29	66	116
83	77	60	21	21	71	27	66	117
83	77	60	23	24	72	29	64	117
83	77	57	20	21	63	29	66	116
83	77	58	22	23	63	29	67	116
83	76	60	20	21	74	29	66	109
83	77	58	22	22	63	27	66	117
83	77	60	22	22	64	28	66	117
83	77	58	21	26	67	29	66	117
83	77	57	21	22	73	24	66	117
83	77	58	24	22	67	29	65	118
83	77	60	22	24	63	27	66	117
83	77	57	20	24	66	29	64	117

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
296	91	34	100	83	77	59	20
297	91	52	99	83	77	57	24
298	92	11	100	83	77	48	19
299	92	30	102	83	77	50	21
300	92	48	100	83	80	50	18
301	93	7	99	83	80	49	22
302	93	25	99	79	23	54	20
303	93	44	61	25	23	30	15
304	94	3	51	24	23	30	14
305	94	21	48	25	23	29	16
306	94	40	41	*	*	3	4
307	94	59	29	*	*	1	2
308	95	17	23	*	*	0	2
309	95	36	18	*	*	1	2
310	95	55	13	*	*	2	1
311	96	13	9	*	*	3	1
312	96	32	5	*	*	5	1
313	96	51	3	*	*	5	1
314	*	*	*	*	*	*	*

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1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
83	77	59	20	22	75	28	66	119
83	77	57	24	22	71	28	66	119
83	77	48	19	21	61	29	66	73
83	77	50	21	21	67	29	68	73
83	80	50	18	17	63	29	66	69
83	80	49	22	20	68	28	68	69
79	23	54	20	22	64	29	69	56
25	23	30	15	11	53	30	51	23
24	23	30	14	4	30	29	40	22
25	23	29	16	3	37	29	38	23
*	*	3	4	2	9	29	27	4
*	*	1	2	3	4	30	18	4
*	*	0	2	4	4	30	11	3
*	*	1	2	5	5	29	6	3
*	*	2	1	6	5	29	6	4
*	*	3	1	6	5	2	4	3
*	*	5	1	8	4	2	3	4
*	*	5	1	9	4	3	3	5
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
1	0	3	1
2	0	21	1
3	0	40	1
4	0	58	1
5	1	17	1
6	1	36	1
7	1	54	1
8	2	13	1
9	2	31	1
10	2	50	1
11	3	8	1
12	3	27	1
13	3	46	1
14	4	4	1
15	4	23	1
16	4	41	1
17	5	0	1
18	5	18	1
19	5	37	1
20	5	56	0
21	6	14	1
22	6	33	0
23	6	51	1
24	7	10	1
25	7	29	1
26	7	47	1
27	8	6	1
28	8	25	1
29	8	43	1
30	9	2	1
31	9	20	1
32	9	39	0
33	9	57	1
34	10	16	1
35	10	35	0
36	10	53	1
37	11	12	1
38	11	30	1
39	11	49	1
40	12	8	1
41	12	26	1
42	12	45	1
43	13	3	0
44	13	22	1
45	13	41	1

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-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
46	13	59	1
47	14	18	1
48	14	36	1
49	14	55	0
50	15	14	1
51	15	32	0
52	15	51	1
53	16	9	0
54	16	28	1
55	16	47	1
56	17	5	1
97	17	24	1
58	17	42	1
59	18	1	1
60	18	20	1
61	18	38	0
62	18	57	1
63	19	15	0
64	19	34	0
65	19	53	1
66	20	11	1
67	20	30	1
68	20	49	1
69	21	7	1
70	21	26	1
71	21	44	1
72	22	3	1
73	22	21	1
74	22	40	1
75	22	59	1
76	23	17	2
77	23	36	8
78	23	54	12
79	24	13	12
80	24	32	13
81	24	50	13
82	25	9	12
83	25	27	16
84	25	46	21
85	26	5	18
86	26	23	22
87	26	42	22
88	27	0	21
89	27	19	21
90	27	38	24
1	27	56	24
92	28	15	23
93	28	33	21
94	28	52	20
95	29	10	21

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
96	29	29	21
97	29	48	22
98	30	6	18
99	30	25	16
100	30	43	15
101	31	2	22
102	31	21	21
103	31	39	21
104	31	58	20
105	32	16	21
106	32	35	22
107	32	54	21
108	33	12	21
109	33	31	21
110	33	49	21
111	34	8	22
112	34	27	22
113	34	45	25
114	35	4	21
115	35	22	21
116	35	41	21
117	35	59	21
118	36	18	22
119	36	37	21
120	36	55	21
121	37	14	24
122	37	32	21
123	37	51	21
124	38	10	18
125	38	28	21
126	38	47	22
127	39	5	21
128	39	24	21
129	39	43	20
130	40	1	21
131	40	20	18
132	40	38	24
133	40	57	17
134	41	16	23
135	41	34	22
136	41	53	21
137	42	12	21
138	42	30	20
139	42	49	22
140	43	7	24
141	43	26	21
142	43	45	21
143	44	3	18
144	44	22	21
145	44	40	21

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
146	44	59	21
147	45	18	21
148	45	36	24
149	45	55	21
150	46	13	21
151	46	32	21
152	46	51	21
153	47	9	22
154	47	28	21
155	47	47	22
156	48	5	18
157	48	24	20
158	48	42	21
159	49	1	21
160	49	20	23
161	49	38	23
162	49	57	23
163	50	16	24
164	50	34	22
165	50	53	21
166	51	11	21
167	51	30	20
168	51	49	17
169	52	7	18
170	52	26	18
171	52	45	18
172	53	3	19
173	53	22	16
174	53	40	17
175	53	59	20
176	54	18	19
177	54	36	20
178	54	55	20
179	55	14	19
180	55	32	20
181	55	51	21
182	56	0	23
183	56	28	22
184	56	47	23
185	57	5	23
186	57	24	24
187	57	43	23
188	58	1	23
189	58	20	23
190	58	38	22
191	58	57	23
192	59	16	23
193	59	34	23
194	59	53	23
195	60	12	23

2211

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
196	60	30	23
197	60	49	23
198	61	7	23
199	61	26	24
200	61	45	23
201	62	3	23
202	62	22	23
203	62	41	25
204	62	59	22
205	63	18	24
206	63	36	23
207	63	55	24
208	64	14	23
209	64	32	23
210	64	51	24
211	65	10	24
212	65	28	22
213	65	47	23
214	66	5	22
215	66	24	23
216	66	43	22
217	67	1	22
218	67	20	23
219	67	38	24
220	67	57	23
221	68	16	24
222	68	34	23
223	68	53	23
224	69	12	25
225	69	30	24
226	69	49	23
227	70	7	21
228	70	26	18
229	70	45	21
230	71	3	20
231	71	22	20
232	71	41	20
233	71	59	18
234	72	18	17
235	72	36	20
236	72	55	18
237	73	14	18
238	73	32	17
239	73	51	17
240	74	10	19
241	74	28	20
242	74	47	18
243	75	5	17
244	75	24	19
245	75	43	17

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
246	76	1	19
247	76	20	20
248	76	39	18
249	76	57	18
250	77	16	18
251	77	35	18
252	77	53	18
253	78	12	20
254	78	30	19
255	78	49	20
256	79	8	17
257	79	26	18
258	79	45	18
259	80	4	17
260	80	22	17
261	80	41	18
262	81	0	19
263	81	18	19
264	81	37	17
265	81	55	10
266	82	14	18
267	82	33	19
268	82	51	18
269	83	10	19
270	83	29	18
271	83	47	18
272	84	6	22
273	84	25	21
274	84	43	22
275	85	2	23
276	85	20	22
277	85	39	22
278	85	58	23
279	86	16	23
280	86	35	21
281	86	54	23
282	87	12	22
283	87	31	21
284	87	50	22
285	88	8	23
286	88	27	23
287	88	46	22
288	89	4	21
289	89	23	22
290	89	42	21
291	90	0	22
292	90	19	22
293	90	38	23
294	90	56	22
295	91	15	21

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
296	91	34	22
297	91	52	24
298	92	11	22
299	92	30	24
300	92	48	21
301	93	7	21
302	93	25	20
303	93	44	13
304	94	3	14
305	94	21	12
306	94	40	3
307	94	59	3
308	95	17	4
309	95	36	5
310	95	55	6
311	96	13	7
312	96	32	8
313	96	51	9
314	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
1	0	5	1	80	90	1	60
2	0	23	1	75	60	0	45
3	0	42	1	75	50	1	45
4	1	1	1	65	70	0	50
5	1	19	1	55	60	0	50
6	1	38	1	60	60	0	50
7	1	56	1	75	55	0	35
8	2	15	1	55	65	0	55
9	2	34	1	65	70	0	50
10	2	52	1	70	75	0	60
11	3	11	0	80	55	0	55
12	3	29	1	70	60	0	50
13	3	48	1	60	70	0	50
14	4	6	1	65	65	0	60
15	4	25	1	65	70	0	30
16	4	44	1	80	55	0	50
17	5	2	1	70	65	0	60
18	5	21	1	60	60	0	40
19	5	39	1	80	65	0	50
20	5	58	1	75	55	26	3065
21	6	17	0	60	65	26	3075
22	6	35	0	65	50	32	3100
23	6	54	0	65	65	34	3100
24	7	12	0	60	50	33	3055
25	7	31	0	65	55	32	2920
26	7	50	0	70	60	22	3000
27	8	8	0	60	60	20	3100
28	8	27	0	60	70	27	2920
29	8	45	0	70	65	36	2920
30	9	4	0	60	70	40	3100
31	9	23	0	60	70	40	3050
32	9	41	0	60	50	33	3070
33	10	0	0	60	55	44	3025
34	10	18	0	75	65	33	3025
35	10	37	0	70	55	32	2920
36	10	56	0	60	55	44	3025
37	11	14	0	65	65	40	3070
38	11	33	0	75	55	33	3050
39	11	51	0	65	55	25	3100
40	12	10	0	55	65	27	3100
41	12	29	0	70	65	33	2880
42	12	47	0	70	50	40	3005
43	13	6	*	70	60	32	3050
44	13	24	0	65	60	32	2[illegible]
45	13	43	0	80	55	36	2[illegible]

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

2-06 TAGE YD. UMP LET ESS SIG	2-07 1STAGE HYD. PUMP (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (ROLL /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
80	90	1	60	54	24	20	16	1
75	60	0	45	69	14	20	16	1
75	50	1	45	89	14	20	18	0
65	70	0	50	69	20	16	12	1
55	60	0	50	69	14	16	14	0
60	60	0	50	64	20	20	14	0
75	55	0	35	59	20	16	14	0
55	65	0	55	59	20	14	16	0
65	70	0	50	54	18	16	6	0
70	75	0	60	64	20	14	16	0
80	55	0	55	49	20	14	16	0
70	60	0	50	59	16	16	14	1
60	70	0	50	59	20	20	14	0
65	65	0	60	64	20	14	16	0
65	70	0	30	69	14	16	16	0
80	55	0	50	54	20	12	16	0
70	65	0	60	59	20	12	12	0
60	60	0	40	79	18	16	10	0
80	65	0	50	54	24	14	16	1
75	55	26	3065	3081	50	46	48	27
60	65	26	3075	*	44	44	966	28
65	50	32	3100	3031	48	40	1013	27
65	65	34	3100	3016	1061	1061	44	30
60	50	33	3055	3001	1065	1059	46	30
65	55	32	2920	2991	1065	1053	50	28
70	60	22	3000	3011	1061	1061	40	31
60	60	20	3100	2996	1055	1055	46	31
60	70	27	2920	2996	1061	1053	44	30
70	65	36	2920	2986	1057	1053	42	28
60	70	40	3100	3011	1049	1055	44	31
60	70	40	3050	3001	1061	1053	42	31
60	50	33	3070	2996	1057	1049	48	31
60	55	44	3025	2996	1061	1053	42	30
75	65	33	3025	2996	1049	1053	42	31
70	55	32	2920	2981	1059	1049	48	31
60	55	44	3025	2986	1055	1051	42	31
65	65	40	3070	2986	1049	1049	44	32
75	55	33	3050	2981	1051	1041	40	32
65	55	25	3100	2996	1049	1047	48	32
55	65	27	3100	2837	1061	1053	40	29
70	65	33	2880	2996	1043	1051	66	27
70	50	40	3005	3021	50	36	42	28
70	50	32	3050	2981	1045	1041	40	32
65	60	32	27	2966	1045	1041	52	27
80	55	36	25	2986	1041	1047	54	23

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
46	14	2	0	60	65	33	3055
47	14	20	0	65	60	*	1075
48	14	39	0	80	65	40	3025
49	14	57	0	80	55	22	3040
50	15	16	0	70	70	40	3025
51	15	35	0	55	50	27	3040
52	15	53	0	65	60	24	3005
53	16	12	0	65	60	40	3100
54	16	30	0	65	65	40	3080
55	16	49	0	90	65	40	3100
56	17	8	0	80	50	22	3210
57	17	26	0	70	55	33	3020
58	17	45	0	75	50	32	3050
59	18	3	0	60	60	36	2870
60	18	22	0	75	60	44	2565
61	18	41	0	70	55	33	3005
62	18	59	3	609	557	27	3070
63	19	18	6	573	577	40	3025
64	19	36	6	594	592	40	2875
65	19	55	5	584	567	34	3005
66	20	14	6	694	677	40	3100
67	20	32	4	563	547	36	2920
68	20	51	5	458	456	36	3050
69	21	9	0	100	85	23	3100
70	21	28	0	70	85	23	3100
71	21	47	0	80	65	27	3040
72	22	5	0	65	55	33	3025
73	22	24	0	85	55	44	3025
74	22	42	1	75	70	33	3055
75	23	1	1	80	55	22	3015
76	23	20	0	65	70	25	3010
77	23	38	8	755	758	40	3070
78	23	57	32	2859	2871	44	3000
79	24	15	16	2920	2916	27	2920
80	24	34	42	2960	2921	36	2920
81	24	53	25	3005	100	23	3100
82	25	11	*	2960	2911	22	3055
83	25	30	*	2995	2916	27	3020
84	25	48	33	3036	3042	32	3025
85	26	7	34	3071	3062	24	3100
86	26	25	40	3081	3052	27	3055
87	26	44	25	3031	3037	26	3010
88	27	3	29	3046	3062	24	2965
89	27	21	42	3046	3022	33	3100
90	27	40	42	3071	3032	33	3050
91	27	58	42	3081	3037	40	3010
92	28	17	41	3046	3062	23	3005
93	28	36	32	3071	3052	24	3100
94	28	54	25	3071	3022	40	2970
95	29	13	34	3081	3052	33	2885

2-06 TAGE HYD. PUMP LET RESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
60	65	33	3055	2907	1037	1037	54	23
65	60	*	1075	998	962	963	54	23
80	65	40	3025	2991	1037	1041	54	40
80	55	22	3040	2986	1041	1041	56	23
70	70	40	3025	2986	1041	1051	50	24
55	50	27	3040	2986	1035	1047	60	29
65	60	24	3005	2967	1045	1033	52	23
65	60	40	3100	2991	1035	1043	54	33
65	65	40	3000	3001	1041	1043	56	23
90	65	40	3100	2986	1037	1043	52	40
80	50	22	3210	2981	1041	1039	60	29
70	55	33	3020	2991	1039	1039	52	33
75	50	32	3050	2981	1041	1029	60	31
60	60	36	2870	2986	1041	1039	46	31
75	60	44	2565	2981	1045	1039	60	29
70	55	33	3005	2986	1041	1037	52	25
609	557	27	3070	2981	1041	1039	52	23
573	577	40	3025	2986	1037	1039	52	28
594	592	40	2875	2986	1027	1037	50	32
584	567	34	3005	2981	1033	1029	54	24
694	677	40	3100	2981	1035	1033	60	31
563	547	36	2920	2981	1033	1035	56	31
458	456	36	3050	2996	1041	1035	54	33
100	85	23	3100	2981	1031	1035	52	30
70	85	23	3100	2981	1037	1035	56	27
80	65	27	3040	2991	1031	1031	60	26
65	55	33	3025	2986	1031	1033	60	40
85	55	44	3025	2991	1027	1029	60	32
75	70	33	3055	2981	1029	1027	62	25
80	55	22	3015	2981	1031	1029	56	27
65	70	25	3010	2981	1029	1035	52	29
755	758	40	3070	2981	1025	1033	48	31
859	2871	44	3000	2996	1035	1031	56	31
920	2916	27	2920	2981	1029	1031	58	32
960	2921	36	2920	2972	1033	1029	52	32
005	100	23	3100	3016	1023	1027	52	31
960	2911	22	3055	2981	1045	26	56	32
995	2916	27	3020	2981	1035	1029	52	30
036	3042	32	3025	2981	1035	1027	52	24
071	3062	24	3100	2981	1027	1035	46	30
081	3052	27	3055	3011	1041	1031	50	24
031	3037	26	3010	2967	1021	1033	52	23
046	3062	24	2965	2972	1033	1029	50	31
046	3022	33	3100	2967	1033	1029	56	22
071	3032	33	3050	2962	1037	1029	48	21
081	3037	40	3010	2967	1033	1027	54	40
046	3062	23	3005	2967	1031	1031	52	24
071	3052	24	3100	2967	1029	1027	52	23
071	3022	40	2970	2972	1027	1031	52	31
081	3052	33	2885	2977	1027	1035	50	29

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2
96	29	31	32	3081	3027	40	3015	
97	29	50	31	3066	2991	18	2885	
98	30	9	20	3061	3032	24	3005	
99	30	27	40	3031	3022	29	3025	
100	30	46	31	3020	3012	21	3005	
101	31	4	34	3000	2991	36	3005	
102	31	23	22	3000	3012	22	3000	
103	31	42	33	3066	3017	26	2880	
104	32	0	29	3000	3032	26	3050	
105	32	19	32	3066	3012	33	2990	
106	32	37	31	3041	3032	44	3025	
107	32	56	0	3061	3017	48	2965	
108	33	14	31	3041	3017	40	3020	
109	33	33	26	3000	2991	20	3100	
110	33	52	37	3015	3032	21	3100	
111	34	10	40	2980	2991	23	2975	
112	34	29	29	3080	2991	31	2955	
113	34	47	36	2935	3052	23	2990	
114	35	6	32	3066	3012	22	2990	
115	35	25	34	3066	3017	27	2920	
116	35	43	32	2935	3017	27	3010	
117	36	2	21	3000	3032	40	3020	
118	36	20	32	3066	3022	40	3020	
119	36	39	32	2935	3032	33	3005	
120	36	57	33	3061	3022	40	3025	
121	37	16	29	2980	2991	31	2955	
122	37	35	32	2980	2976	40	3020	
123	37	53	30	2935	3012	33	3005	
124	38	12	34	2885	3012	26	2920	
125	38	30	21	2990	2991	22	2960	
126	38	49	32	2885	3012	33	3005	
127	39	8	32	2935	3032	40	3100	
128	39	26	41	2980	2976	32	3050	
129	39	45	33	3041	3032	40	3100	
130	40	4	41	2980	3012	32	2920	
131	40	22	36	2935	3022	22	3050	
132	40	41	40	3000	2976	21	3055	
133	40	59	34	3066	3032	40	3005	
134	41	18	34	3000	2991	40	3000	
135	41	37	27	2885	3032	32	3000	
136	41	55	36	3020	2976	33	3100	
137	42	14	34	3066	3032	32	3025	
138	42	32	32	3061	3032	40	3055	
139	42	51	30	3000	3012	25	3005	
140	43	10	32	3041	2976	27	3005	
141	43	28	27	3061	3032	40	3050	
142	43	47	27	3026	3017	33	3050	
143	44	5	32	2885	3032	22	3050	
144	44	24	25	3061	3022	33	3020	
145	44	43	41	2985	3012	27	29	

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2-06 2STAGE HYD. PUMP INLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
3081	3027	40	3015	2972	1029	1037	46	32
3066	2991	18	2885	2972	1035	1029	48	32
3061	3032	24	3005	2981	1023	1027	54	31
3031	3022	29	3025	2961	40	32	44	32
3020	3012	21	3005	2967	1029	1027	52	31
3000	2991	36	3005	2962	1029	1029	42	26
3000	3012	22	3000	2981	1031	1033	48	27
3066	3017	26	2880	2967	1035	1027	48	31
3000	3032	26	3050	2977	1021	1035	50	23
3066	3012	33	2990	2981	1023	1031	50	27
3041	3032	44	3025	2981	1031	1029	48	26
3061	3017	40	2965	2982	1029	1033	56	32
3041	3017	40	3020	2967	1029	1035	56	23
3000	2991	20	3100	2972	1029	1025	46	31
3015	3032	21	3100	2981	1023	1029	46	24
2988	2991	23	2975	2981	1023	1031	46	27
3000	2991	31	2955	2981	1023	1027	46	31
2935	3052	23	2990	2991	1031	1029	46	32
3066	3012	22	2990	2962	1027	1035	48	23
3066	3017	27	2920	2981	1033	1029	52	24
2935	3017	27	3010	2991	1025	1027	50	23
3000	3032	40	3020	2981	1029	1029	44	23
3066	3022	40	3020	2981	1023	1027	42	27
2935	3032	33	3005	2972	1029	1027	52	32
3061	3022	40	3025	2972	1029	1027	52	33
2980	2991	31	2955	2981	1023	1027	54	23
2980	2976	40	3020	2952	1031	1025	52	26
2935	3012	33	3005	2957	1023	1025	60	31
2885	3012	26	2920	2947	1025	1029	48	27
2990	2991	22	2960	2981	1027	1027	46	31
2885	3012	33	3005	2967	1023	1027	50	23
2935	3032	40	3100	2947	1023	1027	52	30
2980	2976	32	3050	2967	1023	1031	48	23
3041	3032	40	3100	2981	1027	1027	46	24
2930	3012	32	2920	2996	1029	1029	42	32
2935	3022	22	3050	2981	1021	1033	46	31
3000	2976	21	3055	2972	1029	1029	48	25
3066	3032	40	3005	2986	1023	1031	46	23
3000	2991	40	3000	2972	1021	1029	44	26
2885	3032	32	3000	2977	1037	1029	48	31
3020	2976	33	3100	2981	1025	1031	42	23
3066	3032	32	3025	2947	1025	1031	42	31
3061	3032	40	3055	2991	1031	1027	52	26
3000	3012	25	3005	2972	1025	1031	44	27
3041	2976	27	3005	2981	1033	1029	48	31
3061	3032	40	3050	2981	1023	1027	52	30
3026	3017	33	3050	2967	1029	1033	42	26
2885	3032	22	3050	2952	1027	1029	46	26
3061	3022	33	3020	2967	1021	1025	46	26
2985	3012	27	2[illegible]	2981	1027	1029	50	31

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
146	45	1	31	3066	3012	32	3025
147	45	20	40	3015	3012	32	2990
148	45	38	32	3041	2976	26	3000
149	45	57	32	2980	3017	40	3050
150	46	16	26	2935	2976	41	3010
151	46	34	26	2885	2991	40	3005
152	46	53	26	3061	3032	41	3060
153	47	12	41	3066	3012	32	3020
154	47	30	41	3066	3012	32	3020
155	47	49	21	3061	3012	21	2920
156	48	7	38	2985	3017	24	3050
157	48	26	34	3041	3012	22	3050
158	48	45	21	3066	2991	24	3055
159	49	3	29	3041	3017	23	3010
160	49	22	32	3000	3006	32	3025
161	49	41	33	2935	3022	21	2880
162	49	59	30	2980	3017	22	2875
163	50	18	22	2935	2976	40	3020
164	50	36	42	2990	3032	19	2960
165	50	55	32	2985	3012	22	3040
166	51	14	36	2985	3052	38	3020
167	51	32	29	2980	3032	32	2955
168	51	51	33	3066	3027	32	2995
169	52	10	21	2935	3017	40	2885
170	52	28	29	3000	3012	26	3055
171	52	47	40	2990	3017	33	3005
172	53	5	40	2980	3032	33	3100
173	53	24	32	2980	3032	24	3010
174	53	43	34	2980	3032	40	3020
175	54	1	21	2935	3027	33	2995
176	54	20	32	3041	3052	26	3005
177	54	39	41	3041	3057	23	3100
178	54	57	32	2980	3032	40	3055
179	55	16	34	3061	2991	27	3050
180	55	34	26	3031	3017	23	3050
181	55	53	33	3046	3062	31	3010
182	56	12	29	2925	3037	14	3010
183	56	30	26	3020	3012	26	3050
184	56	49	35	2980	3052	33	3005
185	57	8	36	2980	3017	22	3020
186	57	26	30	3066	3032	32	3120
187	57	45	25	2945	2976	26	3040
188	58	3	32	2980	3006	41	2920
189	58	22	29	3041	3032	44	3050
190	58	41	32	2980	2971	32	3100
191	58	59	36	3031	2976	33	3020
192	59	18	25	3041	3022	34	3045
193	59	37	23	3000	3057	44	3060
194	59	55	32	2935	2976	26	3000
195	60	14	32	3000	3052	44	3005

2-06	2-07	2-08	2-09	2-10	2-11	2-12	2-13	2-14
AGE	1STAGE	2STAGE	2STAGE	2STAGE	2STAGE	2STAGE	UTIL.	UTIL.
YD.	HYD.	HYD.	HYD.	HYD.	AFCS 1	AFCS 1	HYD.	HYD.
UMP	(AFT	PUMP	PUMP	(AFT	(PITCH	(COLL.	AFCS 2	PUMP
LET	SERVO	INLET	OUTLET	SERVO	/ROLL	/YAW	(P/R	INLET
ESS	CYL.)	PRESS	PRESS	CYL.)	CHAN)	CHAN)	CHAN)	PRESS
SIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG
66	3012	32	3025	2967	1023	1027	44	30
15	3012	32	2990	2981	1029	1029	44	26
41	2976	26	3000	2962	1027	1029	48	32
80	3017	40	3050	2972	1029	1021	40	30
35	2976	41	3010	2981	1025	1033	48	23
85	2991	40	3005	2967	1021	1027	48	31
61	3032	41	3060	2981	1025	1027	44	31
66	3012	32	3020	2986	1029	1031	46	27
66	3012	32	3020	2947	1021	1027	46	27
61	3012	21	2920	2967	1021	1031	42	24
85	3017	24	3050	2972	1029	1027	46	26
41	3012	22	3050	2981	1029	1021	56	32
66	2991	24	3055	3011	1023	1035	50	32
41	3017	23	3010	2972	1029	1027	50	31
00	3006	32	3025	2991	1023	1027	46	23
35	3022	21	2880	3001	1015	1027	50	26
80	3017	22	2875	2986	1021	1029	48	26
35	2976	40	3020	2972	1027	1019	46	34
90	3032	19	2960	2981	1033	1031	48	23
85	3012	22	3040	2981	1029	1023	48	31
85	3052	38	3020	2991	1027	1027	46	27
80	3032	32	2955	2991	1021	1021	50	31
66	3027	32	2995	2981	1025	1023	46	26
35	3017	40	2885	2962	1025	1027	40	24
00	3012	26	3055	2967	1021	1021	42	23
90	3017	33	3005	2967	1021	1021	44	26
80	3032	33	3100	2991	1023	1027	50	23
80	3032	24	3010	2972	1025	1027	44	27
80	3032	40	3020	2967	1023	1033	76	34
35	3027	33	2995	2981	1023	1021	48	25
41	3052	26	3005	2981	1029	1027	46	29
41	3057	23	3100	3001	1033	1021	60	33
60	3032	40	3055	2991	1027	1035	46	32
61	2991	27	3050	2967	1021	1029	56	30
31	3017	23	3050	2947	1037	1033	48	26
46	3062	31	3010	2957	1023	1027	48	24
25	3037	14	3010	2967	1023	1017	52	40
20	3012	26	3050	2991	1027	1021	60	27
80	3052	33	3005	3001	1023	1019	48	23
80	3017	22	3020	2986	1025	1029	48	26
66	3032	32	3120	3011	1021	1029	56	23
45	2976	26	3040	2967	1023	1027	56	24
80	3006	41	2920	2981	1027	1023	42	31
41	3032	44	3050	2991	1019	1023	42	23
80	2971	32	3100	2981	1029	1017	44	23
31	2976	33	3020	2947	1021	1029	50	32
41	3022	34	3045	2981	1023	1027	46	31
80	3057	44	3060	2991	1021	1029	46	31
35	2976	26	3000	2981	1027	1031	48	32
80	3052	44	3005	2981	1023	1021	58	24

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
196	60	32	26	2985	3032	41	3100
197	60	51	24	2980	3052	25	2995
198	61	10	32	3066	3032	34	2955
199	61	28	35	3000	3022	44	2980
200	61	47	21	3066	3032	23	3020
201	62	6	22	3066	3032	27	3060
202	62	24	29	3026	3032	40	2970
203	62	43	32	3061	3052	26	3040
204	63	1	21	3066	3032	21	3020
205	63	20	29	3041	3062	26	3005
206	63	39	26	2945	2976	27	3005
207	63	57	34	2935	2976	40	3010
208	64	16	30	3041	3012	21	3025
209	64	35	32	3000	3017	32	3020
210	64	53	32	3066	3032	26	2995
211	65	12	26	3041	3062	40	3060
212	65	30	32	3031	3017	40	3010
213	65	49	29	3026	3052	34	3005
214	66	8	40	2935	3022	40	2955
215	66	26	40	2980	2976	33	3050
216	66	45	21	2980	3062	40	3005
217	67	4	27	3031	3022	40	2955
218	67	22	27	3061	3052	38	3050
219	67	41	34	2935	3032	20	3015
220	67	59	32	3066	3057	26	2920
221	68	18	29	3066	3052	32	2970
222	68	37	26	3026	3017	33	3060
223	68	55	22	2980	3012	27	3025
224	69	14	21	2980	3032	38	3050
225	69	32	30	3026	3052	32	3020
226	69	51	32	3020	3052	21	3055
227	70	10	41	2895	3022	40	3005
228	70	28	34	3066	3052	33	3005
229	70	47	32	3041	3012	44	3030
230	71	6	25	3020	3057	33	2980
231	71	24	39	2985	3057	40	3060
232	71	43	38	3066	3052	22	3100
233	72	1	25	3026	3032	38	3005
234	72	20	30	3000	3017	36	3005
235	72	39	31	3015	3012	22	3020
236	72	57	32	3026	3017	27	3015
237	73	16	48	3000	3068	34	3055
238	73	35	32	3066	3057	17	3100
239	73	53	21	3066	3032	26	3060
240	74	12	44	2935	3062	34	3005
241	74	30	22	3066	3032	27	3045
242	74	49	36	3000	3062	32	3100
243	75	8	32	3041	3062	21	3100
244	75	26	29	3041	3022	24	2975
245	75	45	28	3026	3017	32	30

2-06 STAGE HYD. PUMP TLET RESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
985	3032	41	3100	2986	1027	1027	48	27
980	3052	25	2995	2991	1031	1031	48	31
966	3032	34	2955	2986	1027	1021	42	31
900	3022	44	2980	2981	1027	1021	50	31
966	3032	23	3020	2996	1023	1027	50	26
966	3032	27	3060	2991	1035	1035	48	23
926	3032	40	2970	2981	1027	1025	42	26
961	3052	26	3040	2967	1027	1025	56	30
966	3032	21	3020	2981	1029	1035	52	27
941	3062	26	3005	2981	1027	1029	56	31
945	2976	27	3005	2981	1031	1035	44	29
935	2976	40	3010	2981	1029	1021	46	31
941	3012	21	3025	2981	1035	1027	48	23
900	3017	32	3020	2972	1027	1021	52	27
966	3032	26	2995	2981	1025	1027	42	24
941	3062	40	3060	2981	1033	1027	42	31
931	3017	40	3010	3021	1033	1035	50	30
926	3052	34	3005	2991	1027	1029	50	31
935	3022	40	2955	2991	1027	1027	52	30
980	2976	33	3050	2996	1027	1031	48	23
980	3062	40	3005	2981	1027	1021	50	27
931	3022	40	2955	2991	1029	1025	56	32
961	3052	38	3050	2991	1027	1027	56	23
935	3032	20	3015	2972	1021	1031	42	24
966	3057	26	2920	2981	1027	1027	44	26
966	3052	32	2870	2981	1031	1027	48	24
926	3017	33	3060	2991	1021	1029	44	24
900	3012	27	3025	2981	1033	1027	60	23
980	3032	38	3050	2981	1025	1025	48	31
926	3052	32	3020	2991	1023	1027	56	27
920	3052	21	3055	2986	1027	1031	50	40
995	3022	40	3005	2991	1027	1027	46	24
966	3052	33	3005	2981	1031	1027	50	33
941	3012	44	3030	2986	1031	1029	46	38
920	3057	33	2980	2991	1033	1035	48	30
985	3057	40	3060	2991	1041	1027	52	27
966	3052	22	3100	2981	1035	1027	48	27
926	3032	32	3005	2981	1033	1027	56	34
900	3017	36	3005	2986	1027	1031	52	38
915	3012	22	3020	2991	1027	1027	50	28
926	3017	27	3015	2981	1029	1029	44	31
900	3062	34	3055	2981	1029	1033	56	27
966	3057	17	3100	2991	1031	1037	48	27
966	3032	25	3060	3001	1029	1025	68	27
935	3062	34	3005	2991	1035	1029	56	31
966	3032	27	3045	2991	1029	1029	50	31
900	3062	32	3100	2986	1027	1027	44	23
941	3062	21	3100	2986	1027	1027	42	32
941	3022	24	2675	2973	1029	1025	56	31
926	3017	32	3[illegible]	2986	1027	1027	60	23

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
246	76	4	21	3066	3032	29	3010
247	76	22	32	3000	3062	21	3025
248	76	41	29	3041	2911	33	2880
249	77	0	27	2985	3022	24	2920
250	77	18	21	3041	3012	32	3005
251	77	37	21	3041	2996	44	3010
252	77	55	34	3041	3022	26	3005
253	78	14	41	3031	3012	33	2920
254	78	33	32	3000	2976	40	2875
255	78	51	25	3061	3032	40	3010
256	79	10	43	3020	3017	24	3025
257	79	29	30	2935	3012	40	2920
258	79	47	27	3000	3057	40	3020
259	80	6	25	3041	3032	33	3040
260	80	25	26	2980	3052	32	3005
261	80	43	40	3041	3017	22	3020
262	81	2	30	3041	3022	32	3005
263	81	20	40	3041	3062	33	3060
264	81	39	30	3066	3032	27	3005
265	81	58	21	3015	2996	33	3005
266	82	16	32	2945	3017	25	3020
267	82	35	31	3031	3062	21	3020
268	82	54	29	3066	3032	40	2920
269	83	12	33	3041	3062	32	2995
270	83	31	36	2935	3027	24	2990
271	83	50	40	3020	3052	22	3100
272	84	8	32	3046	3042	23	3015
273	84	27	27	3081	3072	24	3050
274	84	45	42	3061	3037	40	3010
275	85	4	49	2980	2916	27	2955
276	85	23	30	3041	2996	41	2875
277	85	41	21	2980	3062	32	3025
278	86	0	32	3031	3012	44	3025
279	86	19	26	2935	3032	34	3000
280	86	37	33	3041	3022	27	3000
281	86	56	29	3066	3032	24	3060
282	87	15	31	2985	3052	40	3060
283	87	33	40	3061	3032	36	3005
284	87	52	32	3066	3017	26	3000
285	88	11	32	3066	3032	27	3005
286	88	29	29	2985	3057	44	3055
287	88	48	33	3066	3032	41	3010
288	89	7	34	2980	3057	40	3060
289	89	25	32	3081	3057	40	3000
290	89	44	34	3026	3032	21	3000
291	90	3	32	3000	3012	40	3010
292	90	21	37	2985	3022	22	3025
293	90	40	21	3066	3052	22	3025
294	90	59	40	3066	3057	41	3020
295	91	17	32	3066	3057	21	3000

2-06 2STAGE HYD. PUMP INLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
3066	3032	29	3010	2981	1035	1027	56	23
3000	3062	21	3025	2986	1023	1029	48	31
2941	2911	33	2880	2932	1037	1025	48	26
2985	3022	24	2920	2981	1025	1035	48	31
3041	3012	32	3005	2981	1033	1027	52	28
3041	2996	44	3010	2996	1029	1033	50	27
3041	3022	26	3005	3001	1027	1031	54	27
3031	3012	33	2920	3001	1029	1031	46	24
3000	2976	40	2875	2972	1029	1029	52	32
3061	3032	40	3010	2991	1027	1027	52	24
3020	3017	24	3025	2977	1025	1027	42	27
2935	3012	40	2920	3001	1025	1037	48	31
3030	3057	40	3020	2972	1037	1027	56	26
3041	3032	33	3040	2996	1031	1031	42	24
3080	3052	32	3005	2991	1029	1027	46	31
3041	3017	22	3020	2981	1029	1027	50	28
3041	3022	32	3005	2986	1027	1029	60	31
3041	3062	33	3060	2981	1025	1033	52	23
3066	3032	27	3005	2981	1023	1027	48	40
3015	2996	33	3005	2967	1027	1029	56	25
3045	3017	25	3020	2996	1041	1021	48	31
3031	3062	21	3020	2986	1029	1031	50	30
3066	3032	40	2920	3001	1027	1031	46	26
3041	3062	32	2995	2967	1025	1027	58	31
2935	3027	24	2990	2981	1025	1031	48	26
3020	3052	22	3100	2986	1035	1027	50	32
3046	3042	23	3015	2991	1027	1029	58	40
3031	3072	24	3050	3041	1027	1035	52	27
3061	3037	40	3010	2991	1037	1033	60	23
2980	2916	27	2955	3036	1043	1041	64	25
3041	2996	41	2875	2977	1029	1029	46	27
2980	3062	32	3025	2981	1033	1029	58	33
3031	3012	46	3025	2986	1027	1025	46	27
2935	3032	34	3000	2986	1025	1027	46	23
3041	3022	27	3000	2995	1027	1027	48	31
3066	3032	24	3060	2981	1027	1035	46	23
2985	3062	40	3060	2972	1027	1027	56	31
3061	3032	36	3005	3001	1029	1027	52	27
3066	3017	26	3000	2991	1029	1029	50	26
3066	3032	27	3005	3011	1029	1021	56	23
2985	3057	44	3055	2996	1023	1029	48	30
3066	3032	41	3010	2991	1023	1029	56	31
2980	3057	40	3060	2990	1029	1039	58	30
3081	3057	40	3080	2981	1027	1029	60	32
3026	3032	21	3000	2981	1029	1033	56	31
3000	3012	40	3010	2986	1041	1035	52	27
2985	3022	22	3025	2981	1035	1027	50	31
3066	3052	22	3025	2981	1031	1029	48	27
3066	3057	41	3020	2991	1027	1031	64	27
3066	3057	21	3000	2991	1033	1029	60	31

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2- 2STA HY PU OUTL PRE PS
296	91	36	34	2985	3017	21	302
297	91	54	30	3026	3012	22	302
298	92	13	35	3066	3012	32	302
299	92	32	29	2965	3012	22	297
300	92	50	32	3041	3062	44	305
301	93	9	42	3066	3057	25	300
302	93	28	31	3121	3006	33	305
303	93	46	29	3020	3001	22	305
304	94	5	20	2945	2926	44	302
305	94	24	26	2970	2971	44	310
306	94	42	31	2905	2936	36	301
307	95	1	48	2864	2861	27	310
308	95	20	39	2839	2861	40	306
309	95	38	31	2769	2781	32	302
310	95	57	24	2295	2309	40	300
311	96	16	15	1168	1184	4	169
312	96	34	8	619	652	4	74
313	96	53	6	458	456	5	44
314	*	*	*	*	*	*	

2-06 TAGE HYD. PUMP LET RESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
985	3017	21	3020	2981	1025	1029	56	32
026	3012	22	3020	2981	1035	1029	60	23
066	3012	32	3020	2991	1023	1033	56	31
965	3012	22	2970	2972	1033	1031	60	27
041	3062	44	3050	2981	1033	1029	56	32
066	3057	25	3005	2981	1033	1035	46	32
121	3006	33	3050	2986	1029	1039	46	27
020	3001	22	3055	3001	1027	1027	52	30
945	2926	44	3025	3011	1033	1027	56	24
970	2971	44	3100	3001	1027	1035	46	27
905	2936	36	3010	3001	1027	1031	50	27
864	2861	27	3100	2981	1035	1033	60	31
839	2861	40	3060	3016	40	34	48	23
769	2781	32	3020	2991	34	40	52	23
295	2309	40	3005	3006	44	36	52	23
168	1184	4	1690	1694	22	20	22	6
619	652	4	740	750	14	8	20	6
458	456	5	445	402	16	6	14	3
*	*	*	*	*	*	*	*	*

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-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
1	0	5	60	30
2	0	23	65	30
3	0	42	65	26
4	1	1	50	26
5	1	19	65	30
6	1	38	35	32
7	1	56	50	22
8	2	15	50	26
9	2	34	55	26
10	2	52	45	24
11	3	11	45	22
12	3	29	55	28
13	3	48	65	28
14	4	6	45	26
15	4	25	55	28
16	4	44	45	22
17	5	2	60	30
18	5	21	60	32
19	5	39	55	24
20	5	58	3050	1464
21	6	17	3080	1464
22	6	35	3050	1468
23	6	54	2954	1466
24	7	12	2984	1466
25	7	31	2999	1466
26	7	50	3110	1470
27	8	8	3055	1470
28	8	27	2984	1466
29	8	45	3030	1472
30	9	4	3030	1468
31	9	23	3004	1472
32	9	41	3242	1466
33	10	0	3131	1470
34	10	18	3024	1466
35	10	37	3161	1464
36	10	56	3030	1466
37	11	14	2994	1472
38	11	33	3141	1462
39	11	51	2964	1464
40	12	10	3030	1460
41	12	29	2802	1484
42	12	47	2792	1460
43	13	6	2944	1470
44	13	24	3030	1472
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
46	14	2	2923	1476
47	14	20	3434	1476
48	14	39	2853	1474
49	14	57	2833	1474
50	15	16	2954	1474
51	15	35	2954	1474
52	15	53	2939	1474
53	16	12	2929	1476
54	16	30	2883	1480
55	16	49	3030	1474
56	17	8	2878	1480
57	17	26	3131	1476
58	17	45	2883	1480
59	18	3	3030	1476
60	18	22	2868	1480
61	18	41	2873	1474
62	18	59	2868	1480
63	19	18	2903	1478
64	19	36	3030	1478
65	19	55	2934	1480
66	20	14	2878	1478
67	20	32	2929	1474
68	20	51	2848	1484
69	21	9	2868	1476
70	21	28	2954	1478
71	21	47	2929	1474
72	22	5	2929	1482
73	22	24	2929	1474
74	22	42	2898	1480
75	23	1	2903	1480
76	23	20	2878	1480
77	23	38	2863	1480
78	23	57	2903	1476
79	24	15	2838	1484
80	24	34	2873	1476
81	24	53	2883	1476
82	25	11	2868	1482
83	25	30	2923	1480
84	25	48	2848	1480
85	26	7	2868	1476
86	26	25	2843	1476
87	26	44	2878	1484
88	27	3	2969	1480
89	27	21	2908	1474
90	27	40	2913	1474
91	27	58	2878	1476
92	28	17	2843	1476
93	28	36	2843	1480
94	28	54	2969	1484
95	29	13	2898	1480

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-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
96	29	31	2878	1474
97	29	50	2868	1476
98	30	9	2878	1476
99	30	27	2984	1472
100	30	46	2903	1474
101	31	4	2828	1476
102	31	23	2949	1474
103	31	42	2853	1480
104	32	0	2934	1476
105	32	19	2878	1476
106	32	37	2878	1474
107	32	56	2878	1474
108	33	14	2903	1480
109	33	33	2878	1474
110	33	52	2883	1484
111	34	10	2929	1480
112	34	29	2878	1478
113	34	47	2853	1480
114	35	6	2807	1476
115	35	25	2878	1472
116	35	43	2888	1478
117	36	2	2888	1474
118	36	20	2949	1472
119	36	39	2828	1476
120	36	57	2949	1474
121	37	16	2883	1480
122	37	35	2969	1476
123	37	53	2878	1474
124	38	12	2873	1474
125	38	30	2883	1476
126	38	49	2908	1476
127	39	8	2934	1476
128	39	26	2888	1476
129	39	45	2883	1480
130	40	4	2949	1474
131	40	22	3030	1474
132	40	41	2969	1480
133	40	59	2843	1480
134	41	18	2812	1474
135	41	37	2848	1474
136	41	55	2883	1482
137	42	14	2883	1474
138	42	32	2848	1476
139	42	51	2883	1482
140	43	10	2883	1480
141	43	28	2929	1474
142	43	47	2929	1478
143	44	5	2934	1474
144	44	24	2843	1474
145	44	43	2843	1478

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
146	45	1	2828	1474
147	45	20	2929	1476
148	45	38	2833	1480
149	45	57	2828	1482
150	46	16	2853	1482
151	46	34	2828	1480
152	46	53	2853	1478
153	47	12	2888	1480
154	47	30	2843	1474
155	47	49	2898	1474
156	48	7	2838	1480
157	48	26	2853	1482
158	48	45	3035	1474
159	49	3	2878	1476
160	49	22	2883	1480
161	49	41	2949	1476
162	49	59	2949	1474
163	50	18	2873	1470
164	50	36	2878	1474
165	50	55	2833	1472
166	51	14	2898	1476
167	51	32	2949	1484
168	51	51	2828	1474
169	52	10	2878	1480
170	52	28	2883	1478
171	52	47	2828	1474
172	53	5	2873	1480
173	53	24	2878	1480
174	53	43	3035	1482
175	54	1	2883	1484
176	54	20	2883	1480
177	54	39	2878	1480
178	54	57	2878	1476
179	55	16	2848	1480
180	55	34	2918	1472
181	55	53	2843	1484
182	56	12	2969	1474
183	56	30	2888	1474
184	56	49	2873	1480
185	57	8	2929	1474
186	57	26	2833	1484
187	57	45	2838	1480
188	58	3	2969	1480
189	58	22	2878	1476
190	58	41	2969	1474
191	58	59	2848	1484
192	59	18	2979	1476
193	59	37	2868	1474
194	59	55	2929	1442
195	60	14	2858	1510

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-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
196	60	32	2898	1508
197	60	51	3030	1508
198	61	10	2878	1494
199	61	28	2878	1502
200	61	47	2893	1508
201	62	6	2848	1506
202	62	24	2888	1506
203	62	43	3080	1502
204	63	1	2843	1506
205	63	20	2878	1516
206	63	39	2949	1508
207	63	57	2848	1506
208	64	16	2954	1504
209	64	35	2868	1502
210	64	53	2893	1512
211	65	12	3080	1504
212	65	30	2873	1514
213	65	49	2883	1508
214	66	8	2929	1510
215	66	26	2848	1506
216	66	45	2843	1504
217	67	4	2898	1506
218	67	22	2954	1512
219	67	41	2908	1512
220	67	59	2929	1500
221	68	18	2954	1512
222	68	37	2979	1510
223	68	55	2918	1506
224	69	14	2868	1500
225	69	32	2878	1508
226	69	51	2949	1502
227	70	10	2853	1508
228	70	28	2878	1504
229	70	47	2883	1510
230	71	6	2893	1510
231	71	24	2883	1506
232	71	43	2903	1506
233	72	1	2929	1512
234	72	20	2868	1508
235	72	39	2929	1504
236	72	57	3030	1510
237	73	16	3030	1508
238	73	35	2883	1512
239	73	53	2878	1502
240	74	12	2903	1502
241	74	30	2843	1506
242	74	49	2883	1508
243	75	8	2883	1508
244	75	26	2878	1510
245	75	45	2833	1510

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
246	76	4	2979	1502
247	76	22	2929	1506
248	76	41	2883	1500
249	77	0	2954	1514
250	77	18	2812	1506
251	77	37	2923	1508
252	77	55	2903	1512
253	78	14	2888	1512
254	78	33	2929	1502
255	78	51	2954	1508
256	79	10	2883	1508
257	79	29	2843	1510
258	79	47	2923	1514
259	80	6	2843	1516
260	80	25	2918	1510
261	80	43	2838	1508
262	81	2	2873	1512
263	81	20	3030	1514
264	81	39	2883	1506
265	81	58	2949	1510
266	82	16	2868	1508
267	82	35	2888	1504
268	82	54	2843	1510
269	83	12	2929	1516
270	83	31	2969	1506
271	83	50	3031	1502
272	84	8	2812	1516
273	84	27	2883	1520
274	84	45	2979	1510
275	85	4	2888	1494
276	85	23	2923	1518
277	85	41	2878	1510
278	86	0	2888	1492
279	86	19	2843	1498
280	86	37	2853	1540
281	86	56	2883	1548
282	87	15	2878	1540
283	87	33	3035	1536
284	87	52	2843	1542
285	88	11	2923	1542
286	88	29	2934	1536
287	88	48	3080	1542
288	89	7	2883	1538
289	89	25	2868	1538
290	89	44	2918	1534
291	90	3	2838	1544
292	90	21	2949	1542
293	90	40	2944	1538
294	90	59	2903	1540
295	91	17	2949	1540

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-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
296	91	36	3080	1530
297	91	54	2878	1538
298	92	13	2929	1534
299	92	32	2883	1534
300	92	50	2908	1530
301	93	9	2898	1536
302	93	28	2848	1532
303	93	46	2883	1528
304	94	5	2903	1536
305	94	24	2954	1536
306	94	42	2929	1532
307	95	1	2878	1534
308	95	20	3030	1540
309	95	38	2848	1536
310	95	57	2848	1536
311	96	16	984	956
312	96	34	353	364
313	96	53	116	160
314	*	*	*	*

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-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
1	0	7	39	37	36	35	34
2	0	26	39	37	35	35	34
3	0	44	39	37	36	35	33
4	1	3	39	37	36	35	34
5	1	22	39	37	35	35	34
6	1	40	39	37	35	35	34
7	1	59	39	36	35	35	34
8	2	17	39	37	35	35	33
9	2	36	39	37	35	35	33
10	2	54	39	37	35	35	34
11	3	13	39	36	35	35	34
12	3	32	39	37	35	35	34
13	3	50	39	37	35	35	34
14	4	9	39	37	35	35	34
15	4	27	39	37	35	35	34
16	4	46	39	37	35	35	34
17	5	4	39	37	35	35	34
18	5	23	39	37	35	35	33
19	5	42	39	37	35	35	34
20	6	0	39	36	35	35	34
21	6	19	37	37	35	35	36
22	6	37	40	40	39	39	41
23	6	56	38	41	41	42	42
24	7	15	40	42	42	42	42
25	7	33	40	42	42	42	43
26	7	52	37	44	43	42	42
27	8	10	38	42	42	44	42
28	8	29	38	44	42	43	42
29	8	48	40	43	44	43	42
30	9	6	38	44	43	43	42
31	9	25	40	43	42	43	42
32	9	43	38	43	44	43	42
33	10	2	38	43	43	43	42
34	10	21	38	43	43	44	43
35	10	39	39	43	44	43	42
36	10	58	38	43	43	43	43
37	11	16	36	44	43	43	43
38	11	35	39	44	43	42	41
39	11	54	39	43	43	42	38
40	12	12	40	44	43	42	36
41	12	31	41	42	41	42	36
42	12	49	42	43	42	41	35
43	13	8	42	43	42	41	34
44	13	27	42	42	41	41	
45	13	45	43	42	41	41	

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3-06 ATER ENUM MBER TEMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
37	36	35	34	34	44	38	34	34
37	35	35	34	34	44	38	34	34
37	36	35	33	34	44	38	34	34
37	36	35	34	34	44	38	34	34
37	35	35	34	34	44	38	34	34
37	35	35	34	34	44	38	34	34
36	35	35	34	34	44	38	34	34
37	35	35	33	34	44	38	34	34
37	35	35	33	34	44	38	34	34
37	35	35	34	34	44	38	34	34
36	35	35	34	34	44	38	35	34
37	35	35	34	34	44	38	34	34
37	35	35	34	35	44	38	35	35
37	35	35	34	34	44	38	35	34
37	35	35	34	34	44	38	34	34
37	35	35	34	34	44	38	34	34
37	35	35	34	35	44	38	34	34
37	35	35	33	34	44	38	34	34
37	35	35	34	34	44	38	34	34
36	35	35	34	34	44	38	34	34
37	35	35	36	35	44	38	35	34
40	39	39	41	34	44	37	34	34
41	41	42	42	35	43	38	35	34
42	42	42	42	35	44	38	34	35
42	42	42	43	36	44	38	36	36
44	43	42	42	36	44	39	34	36
42	42	44	42	36	44	39	35	36
44	42	43	42	36	45	39	36	36
43	44	43	42	36	45	39	36	36
44	43	43	42	37	45	39	36	36
43	42	43	42	37	45	39	36	36
43	44	43	42	36	45	40	35	36
43	43	43	42	37	45	39	35	37
43	43	44	43	37	45	40	36	36
43	44	43	42	37	45	40	35	36
43	43	43	43	37	45	40	35	37
44	43	43	43	37	45	41	36	37
44	43	42	41	37	45	40	35	37
43	43	42	38	37	45	40	36	36
44	43	42	36	36	45	40	35	36
42	41	42	36	36	45	40	36	36
43	42	41	35	36	45	40	35	35
43	42	41	34	36	45	39	34	35
42	41	41		36	45	39	35	35
42	41	41		36	46	39	36	35

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
46	14	4	44	42	41	40	35
47	14	22	44	42	41	41	35
48	14	41	45	42	42	40	34
49	15	0	45	41	41	40	35
50	15	18	46	42	41	39	35
51	15	37	46	40	40	39	35
52	15	55	47	41	40	39	35
53	16	14	48	41	39	39	35
54	16	33	48	40	39	39	35
55	16	51	49	41	39	39	35
56	17	10	50	41	39	38	35
57	17	28	49	39	38	39	35
58	17	47	50	40	38	38	34
59	18	6	50	40	37	38	34
60	18	24	51	40	38	37	34
61	18	43	51	39	38	38	34
62	19	1	51	39	37	38	34
63	19	20	51	40	37	37	34
64	19	39	52	39	37	37	35
65	19	57	52	39	36	37	34
66	20	16	52	39	36	37	34
67	20	34	52	40	36	37	34
68	20	53	53	39	36	38	34
69	21	12	52	39	37	38	35
70	21	30	52	39	37	37	34
71	21	49	53	40	36	37	34
72	22	7	52	39	36	37	34
73	22	26	53	39	36	36	34
74	22	45	52	39	37	36	34
75	23	3	53	40	37	36	34
76	23	22	52	39	37	37	35
77	23	40	53	40	37	36	34
78	23	59	53	39	36	36	35
79	24	18	53	39	36	37	35
80	24	36	53	39	36	36	35
81	24	55	53	39	36	36	34
82	25	13	53	39	37	36	35
83	25	32	53	40	36	36	35
84	25	51	51	39	36	37	35
85	26	9	50	40	37	36	34
86	26	28	50	40	37	37	35
87	26	46	50	40	37	37	35
88	27	5	50	41	36	37	35
89	27	24	48	41	38	38	36
90	27	42	47	43	39	40	37
91	28	1	46	43	40	40	37
92	28	19	46	44	41	40	36
93	28	38	45	44	41	41	36
94	28	56	44	45	41	41	36
95	29	15	44	45	41	42	35

3-06 ATER ENUM MBER TEMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
42	41	40	35	36	45	39	35	35
42	41	41	35	36	45	40	35	35
42	42	40	34	36	46	40	34	35
41	41	40	35	36	46	39	36	35
42	41	39	35	36	45	39	36	35
40	40	39	35	36	45	39	34	34
41	40	39	35	36	45	39	36	35
41	39	39	35	36	44	39	37	35
40	39	39	35	36	45	39	35	36
41	39	39	35	36	44	40	36	35
41	39	38	35	36	45	40	36	36
39	38	39	35	35	45	39	34	35
40	38	38	34	36	45	40	34	35
40	37	38	34	35	44	39	34	35
40	38	37	34	36	44	39	35	35
39	38	38	34	36	44	39	36	36
39	37	38	34	36	45	39	36	35
40	37	37	34	36	44	39	36	36
39	37	37	35	36	45	39	36	35
39	36	37	34	35	45	39	34	35
39	36	37	34	36	45	39	34	35
40	36	37	34	36	44	39	36	36
39	36	38	34	35	45	39	36	36
39	37	38	35	35	45	39	36	36
39	37	37	34	35	44	39	34	35
40	36	37	34	36	44	39	36	36
39	36	37	34	36	45	40	34	35
39	36	36	34	36	45	39	34	35
39	37	36	34	35	44	39	36	35
40	37	36	34	36	45	39	35	35
39	37	37	35	36	45	39	36	35
40	37	36	34	36	45	40	35	35
39	36	36	35	35	44	39	35	35
39	36	37	35	34	44	40	36	35
39	36	36	35	35	45	39	36	35
39	36	36	34	36	44	40	35	35
39	37	36	35	35	44	39	37	35
40	36	36	35	36	45	39	36	35
39	36	37	35	35	45	39	36	35
40	37	36	34	36	44	39	36	35
40	37	37	35	36	44	39	36	35
40	37	37	35	35	44	39	36	35
41	36	37	35	36	45	39	34	35
41	38	38	35	35	44	39	36	36
43	39	40	37	36	44	39	37	35
43	40	40	37	36	45	40	35	36
44	41	40	36	36	45	40	35	36
44	41	41	36	36	45	40	38	35
45	41	41	36	36	45	40	35	36
45	41	42	35	36	45	40	38	36

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-0 DIST DUC OUTLE (CKPI L.S. DEG.
96	29	34	45	43	41	41	35
97	29	52	46	42	40	39	36
98	30	11	46	43	40	39	35
99	30	29	46	42	38	39	35
100	30	48	48	41	39	38	35
101	31	7	48	42	38	38	35
102	31	25	48	41	37	38	34
103	31	44	49	39	37	38	35
104	32	2	48	41	38	38	35
105	32	21	46	41	39	40	38
106	32	40	46	44	40	40	37
107	32	58	49	45	40	40	36
108	33	17	49	43	39	41	36
109	33	35	49	44	41	41	35
110	33	54	48	44	39	41	36
111	34	13	49	42	39	40	35
112	34	31	46	41	39	39	35
113	34	50	47	43	39	38	35
114	35	8	46	42	39	38	35
115	35	27	46	43	39	38	35
116	35	45	45	41	39	39	35
117	36	4	45	41	40	40	36
118	36	23	44	42	40	40	36
119	36	41	45	43	39	40	35
120	37	0	44	44	40	39	35
121	37	18	44	44	40	40	36
122	37	37	43	43	40	41	36
123	37	56	44	44	40	41	35
124	38	14	44	44	40	40	36
125	38	33	44	44	41	40	36
126	38	51	44	44	40	39	35
127	39	10	43	42	40	40	36
128	39	29	44	44	41	40	36
129	39	47	44	44	40	39	36
130	40	6	44	41	39	39	35
131	40	24	45	41	39	39	35
132	40	43	44	42	39	38	36
133	41	2	45	42	38	38	36
134	41	20	45	41	38	38	35
135	41	39	45	40	38	38	36
136	41	58	45	40	38	37	35
137	42	16	45	41	38	37	35
138	42	35	46	41	38	37	35
139	42	53	45	39	37	38	35
140	43	12	45	39	37	37	36
141	43	31	46	41	38	37	35
142	43	49	46	40	38	37	35
143	44	8	45	39	37	38	35
144	44	26	45	40	37	36	35
145	44	45	45	39	37	37	

3-06 ATER ENUM MBER EMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
43	41	41	35	35	45	40	37	35
42	40	39	36	36	45	40	36	36
43	40	39	35	36	45	40	37	36
42	38	39	35	36	45	41	36	36
41	39	38	35	36	45	40	35	36
42	38	38	35	36	45	41	36	36
41	37	38	34	36	45	41	35	36
39	37	38	35	36	46	41	35	36
41	38	38	35	36	45	41	35	36
41	39	40	38	36	46	40	38	36
44	40	40	37	36	45	41	38	35
45	40	40	36	36	46	41	38	36
43	39	41	36	36	46	41	38	36
44	41	41	35	36	45	41	36	36
44	39	41	36	36	46	41	37	36
42	39	40	35	36	45	42	35	36
41	39	39	35	36	46	41	35	36
43	39	38	35	36	47	42	38	36
42	39	38	35	36	46	41	38	36
43	39	38	35	36	46	41	38	36
41	39	39	35	36	47	42	37	36
41	40	40	36	36	47	42	39	36
42	40	40	36	36	46	42	38	36
43	39	40	35	36	46	42	36	36
44	40	39	35	36	46	42	36	36
44	40	40	36	36	47	42	36	36
43	40	41	36	36	46	42	36	36
44	40	41	35	37	47	42	36	36
44	40	40	36	36	47	42	36	36
44	41	40	36	36	46	42	38	36
44	40	39	35	36	48	42	36	36
42	40	40	36	37	48	42	39	36
44	41	40	36	36	48	42	36	36
44	40	39	36	36	47	42	36	36
41	39	39	35	36	47	42	38	36
41	39	39	35	37	48	43	38	37
42	39	38	36	35	48	43	36	36
42	38	38	36	36	48	[illegible]	36	36
41	38	38	35	36	48	44	37	36
40	38	38	36	36	48	42	38	36
40	38	37	35	36	48	43	39	36
41	38	37	35	37	48	43	36	36
41	38	37	35	36	48	43	36	36
39	37	38	35	36	48	43	37	36
39	37	37	36	36	48	43	38	36
41	38	37	35	36	48	43	36	36
40	38	37	35	36	48	43	37	36
39	37	38	35	37	48	43	39	36
40	37	36	35	36	48	43	38	36
39	37	37	)	36	49	43	39	36

3-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3 DI D OUT (CK L. DE
146	45	4	45	40	38	37	
147	45	22	45	39	37	37	
148	45	41	45	40	38	38	
149	45	59	45	41	38	38	
150	46	18	45	39	38	37	
151	46	37	46	41	38	38	
152	46	55	45	39	38	37	
153	47	14	45	39	38	37	
154	47	33	45	40	37	37	
155	47	51	44	41	37	37	
156	48	10	45	40	39	38	
157	48	28	45	40	38	38	
158	48	47	44	41	38	38	
159	49	6	43	39	39	39	
160	49	24	42	40	39	39	
161	49	43	41	41	40	39	
162	50	2	41	40	40	40	
163	50	20	41	42	40	39	
164	50	39	41	40	40	40	
165	50	57	41	40	41	39	
166	51	16	40	40	41	40	
167	51	35	41	41	41	41	
168	51	53	40	40	40	41	
169	52	12	40	42	40	41	
170	52	31	40	41	41	40	
171	52	49	39	42	40	40	
172	53	8	40	42	40	40	
173	53	26	40	42	40	40	
174	53	45	40	41	39	40	
175	54	4	40	42	39	40	
176	54	22	41	39	40	39	
177	54	41	40	42	40	39	
178	55	0	40	39	40	39	
179	55	18	39	41	39	39	
180	55	37	39	39	39	39	
181	55	55	40	39	39	39	
182	56	14	39	40	40	39	
183	56	33	39	40	39	39	
184	56	51	39	40	40	40	
185	57	10	39	41	40	39	
186	57	29	39	41	40	40	
187	57	47	39	39	39	39	
188	58	6	39	41	40	39	
189	58	24	39	41	39	39	
190	58	43	38	39	39	39	
191	59	2	39	39	38	39	
192	59	20	39	41	40	38	
193	59	39	39	41	39	39	
194	59	58	39	41	38	39	
195	60	16	39	41	39	39	

3-06 ATER ENUM MBER TEMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
40	38	37	35	36	48	43	36	36
39	37	37	35	36	49	43	39	36
40	38	38	36	36	48	43	36	36
41	38	38	36	37	48	44	36	36
39	38	37	35	36	49	43	39	36
41	38	38	36	37	49	44	36	36
39	38	37	36	37	49	44	38	36
39	38	37	36	36	48	44	36	36
40	37	37	36	37	48	43	36	37
41	37	37	35	36	49	43	36	36
40	39	38	36	37	48	44	36	37
40	38	38	36	37	48	44	36	36
41	38	38	36	38	49	44	37	36
39	39	39	35	36	49	44	36	36
40	39	39	36	36	48	42	38	36
41	40	39	38	37	49	42	38	36
40	40	40	39	37	48	43	36	37
42	40	39	39	37	48	42	39	37
40	40	40	37	37	48	42	36	37
40	41	39	38	37	48	43	36	37
40	41	40	38	36	49	42	38	37
41	41	41	39	38	48	43	36	37
40	40	41	38	36	48	43	36	38
42	40	41	39	37	48	43	36	38
41	41	40	37	37	48	43	39	38
42	40	40	37	38	48	43	38	38
42	40	40	37	37	48	42	39	37
42	40	40	38	37	49	44	39	38
41	39	40	38	37	48	42	37	38
42	39	40	37	38	48	43	37	38
39	40	39	37	38	48	43	38	38
42	40	39	37	37	49	43	39	38
39	40	39	37	38	49	43	39	38
41	39	39	37	37	48	42	36	38
39	39	39	36	38	48	42	38	38
39	39	39	36	37	49	42	36	38
40	40	39	37	37	48	42	39	37
40	39	39	38	38	48	42	36	37
40	40	40	38	38	48	42	36	38
41	40	39	37	37	48	42	36	38
41	40	40	36	37	48	42	39	38
39	39	39	37	38	47	42	36	37
41	40	39	37	36	48	42	39	37
41	39	39	37	37	48	42	39	38
39	39	39	38	37	48	42	36	38
39	38	39	37	37	48	42	37	37
41	40	38	37	37	48	42	38	37
41	39	39	36	37	48	42	38	38
41	38	39	36	36	49	42	39	38
41	39	39	36	37	48	42	39	38

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3- DIS DU OUTL (CKP L.S DEG
196	60	35	39	39	39	38	3
197	60	53	39	39	39	39	3
198	61	12	39	38	38	39	3
199	61	31	39	40	39	38	3
200	61	49	39	38	38	38	3
201	62	8	39	40	38	39	3
202	62	27	39	38	38	38	3
203	62	45	39	41	39	39	3
204	63	4	39	40	39	39	3
205	63	22	39	39	39	39	3
206	63	41	38	39	38	38	3
207	64	0	39	38	38	39	3
208	64	18	39	41	38	39	3
209	64	37	39	38	38	38	3
210	64	56	39	39	39	39	3
211	65	14	39	41	39	38	3
212	65	33	39	40	38	39	3
213	65	51	38	38	38	39	3
214	66	10	39	38	38	38	3
215	66	29	39	39	38	38	3
216	66	47	39	40	39	38	3
217	67	6	38	39	39	38	3
218	67	24	38	39	38	38	3
219	67	43	38	38	38	38	3
220	68	2	38	38	39	38	3
221	68	20	38	40	38	38	3
222	68	39	38	38	38	38	3
223	68	58	38	40	38	38	3
224	69	16	38	38	38	38	3
225	69	35	38	39	38	38	3
226	69	53	38	38	38	38	3
227	70	12	38	39	37	38	3
228	70	31	38	39	37	38	3
229	70	49	38	39	39	38	3
230	71	8	38	38	38	39	3
231	71	27	38	39	39	39	3
232	71	45	37	38	38	39	3
233	72	4	37	39	38	38	3
234	72	22	37	38	37	38	3
235	72	41	38	37	38	39	3
236	73	0	38	39	39	39	3
237	73	18	38	40	38	38	3
238	73	37	38	38	38	38	3
239	73	56	38	37	38	38	3
240	74	14	37	39	38	38	3
241	74	33	38	39	39	38	3
242	74	51	38	37	38	38	3
243	75	10	38	40	38	38	3
244	75	29	38	39	37	38	3
245	75	47	38	38	38	38	3

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3-06 ATER ENUM MBER TEMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
39	39	38	38	38	48	42	36	38
39	39	39	37	36	49	42	39	38
38	38	39	37	38	48	42	36	38
40	39	38	36	36	48	42	39	37
38	38	38	37	37	48	42	39	37
40	38	39	36	37	48	42	38	37
38	38	38	38	38	47	42	36	37
41	39	39	36	37	48	42	39	37
40	39	39	36	37	48	42	39	38
39	39	39	37	38	48	42	39	38
39	38	38	36	37	48	42	38	37
38	38	39	37	37	48	42	38	37
41	38	39	36	36	48	42	39	37
38	38	38	37	38	48	42	36	38
39	39	39	36	36	48	42	39	37
41	39	38	37	37	48	42	36	37
40	38	39	36	37	48	42	38	38
38	38	39	37	38	48	42	36	38
38	38	38	36	37	49	42	36	38
39	38	38	36	37	48	42	39	37
40	39	38	36	36	48	42	36	37
39	39	38	36	37	48	42	38	37
39	38	38	36	37	47	42	38	37
38	38	38	36	37	48	42	38	37
38	39	38	37	37	48	42	38	37
40	38	38	36	37	48	42	36	37
38	38	38	36	38	48	42	39	37
40	38	38	36	37	48	42	39	37
38	38	38	36	37	48	42	37	37
39	38	38	36	36	48	42	38	37
38	38	38	35	37	48	42	39	37
39	37	38	37	37	48	42	36	37
39	37	38	36	37	48	42	36	37
39	39	38	36	37	48	42	39	37
38	38	39	36	38	49	42	37	37
39	39	39	36	36	48	42	39	37
38	38	39	36	37	48	42	39	37
39	38	38	36	37	48	42	39	37
38	37	38	37	38	48	42	36	37
37	38	39	37	37	48	42	39	37
39	39	39	36	37	48	42	39	37
40	38	38	36	37	48	42	36	38
38	38	38	36	37	48	42	38	37
37	38	38	37	38	48	42	39	37
39	38	38	36	37	48	42	38	37
39	39	38	36	37	48	42	39	37
37	38	38	36	37	48	42	38	37
40	38	38	36	36	48	42	38	37
39	37	38	36	37	48	42	38	37
38	38	38		38	48	42	36	37

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3- DIST DUC OUTLE (CKP L.S. DEG.
246	76	6	38	39	38	38	3
247	76	25	37	40	38	38	3
248	76	43	37	38	38	38	3
249	77	2	37	39	37	38	3
250	77	20	38	38	38	37	3
251	77	39	37	38	36	38	3
252	77	58	38	39	38	38	3
253	78	16	38	39	37	38	3
254	78	35	38	38	38	38	3
255	78	54	38	39	38	38	3
256	79	12	37	37	38	38	3
257	79	31	38	39	38	37	3
258	79	50	37	38	37	38	3
259	80	8	37	37	37	37	3
260	80	27	37	37	37	38	3
261	80	45	37	37	37	38	3
262	81	4	37	38	37	37	3
263	81	23	37	38	38	38	3
264	81	41	37	36	37	37	3
265	82	0	37	39	38	38	3
266	82	19	37	37	37	38	3
267	82	37	37	38	38	37	3
268	82	56	37	38	38	38	3
269	83	15	37	36	38	37	3
270	83	33	37	37	37	38	3
271	83	52	38	38	37	38	3
272	84	10	38	38	38	38	3
273	84	29	38	39	38	37	3
274	84	48	37	38	38	38	3
275	85	6	38	39	37	38	3
276	85	25	38	37	38	38	3
277	85	44	38	37	37	38	3
278	86	2	38	39	38	39	3
279	86	21	38	37	37	38	3
280	86	40	38	37	38	37	3
281	86	58	38	38	37	38	3
282	87	17	38	37	38	38	3
283	87	36	38	37	37	38	3
284	87	54	38	37	37	38	3
285	88	13	38	39	38	38	3
286	88	32	38	39	38	38	3
287	88	50	38	39	37	38	3
288	89	9	38	37	37	38	3
289	89	28	38	37	38	38	3
290	89	46	38	37	37	38	3
291	90	5	38	37	38	38	3
292	90	24	38	39	38	38	3
293	90	42	38	39	37	38	3
294	91	1	38	37	38	38	3

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3-06 ATER ENUM NBER TEMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
39	38	38	36	37	48	41	38	37
40	38	38	36	37	48	42	36	38
38	38	38	37	37	48	42	37	37
39	37	38	37	37	48	42	38	37
38	38	37	37	37	48	42	36	37
38	36	38	37	38	47	42	36	37
39	38	38	36	36	48	42	37	37
39	37	38	36	38	48	42	36	37
38	38	38	36	37	48	42	38	37
39	38	38	36	36	48	42	37	37
37	38	38	36	37	48	42	39	37
39	38	37	36	36	48	41	38	37
38	37	38	36	37	47	42	37	37
37	37	37	36	36	48	41	38	36
37	37	38	36	37	48	42	38	37
37	37	38	36	37	48	41	38	37
38	37	37	36	37	48	41	36	37
38	38	38	36	38	47	41	38	37
36	37	37	37	37	48	41	38	37
39	38	38	36	37	47	42	36	38
37	37	38	36	37	47	41	38	37
38	38	37	36	36	48	42	38	37
38	38	38	36	36	48	42	38	37
36	38	37	37	37	47	41	36	37
37	37	38	37	37	47	42	36	37
38	37	38	36	37	48	42	39	36
38	38	38	37	36	48	42	36	37
39	38	37	37	37	48	42	38	37
38	38	38	37	38	48	42	36	38
39	37	38	38	37	47	41	39	38
37	38	38	36	37	47	41	36	38
37	37	38	36	37	48	41	36	38
39	38	39	37	37	48	41	36	38
37	37	38	36	38	48	41	38	38
37	38	37	37	36	47	41	36	37
38	37	38	36	37	48	42	36	37
37	38	38	37	37	48	41	37	37
37	37	38	38	38	48	41	36	38
37	37	38	37	37	47	41	36	38
39	38	38	36	37	48	41	38	37
39	38	38	36	36	48	41	38	37
39	37	38	36	37	48	41	36	37
37	37	38	36	37	47	41	38	38
37	38	38	37	37	48	41	39	37
37	37	38	36	37	47	41	39	37
37	38	38	37	37	48	41	39	38
39	38	38	36	37	47	41	36	38
39	37	38	37	37	47	41	36	38
37	38	38	37	37	48	41	38	37
39	38	38	37	37	48	42	36	38

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3- DIS DU OUTL (CKP L.S DEG
296	91	38	38	38	38	38	3
297	91	57	38	39	38	38	3
298	92	15	38	38	38	38	3
299	92	34	38	38	37	38	3
300	92	53	38	38	38	38	3
301	93	11	39	38	38	38	3
302	93	30	38	38	37	38	3
303	93	49	39	38	38	38	3
304	94	7	39	37	38	38	3
305	94	26	40	38	37	38	3
306	94	45	41	38	37	37	3
307	95	3	41	38	37	38	3
308	95	22	41	38	38	37	3
309	95	41	42	38	37	37	3
310	95	59	43	38	38	37	3
311	96	18	44	38	37	37	3
312	96	37	44	38	37	37	3
313	96	55	45	38	37	37	3
314	*	*	*	*	*	*	

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3-06 ATER ENUM MBER TEMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
38	38	38	37	37	47	41	36	38
39	38	38	37	38	48	41	37	38
38	38	38	37	38	48	41	38	38
38	37	38	36	38	48	42	36	38
38	38	38	36	37	48	41	39	36
38	38	38	37	37	48	42	38	37
38	37	38	36	37	48	42	36	37
38	38	38	36	37	47	42	39	37
37	38	38	36	36	48	42	38	36
38	37	38	36	36	48	42	38	36
38	37	37	36	37	48	42	38	36
38	37	38	35	36	48	42	36	36
38	38	37	35	37	48	42	35	36
38	37	37	35	37	48	42	36	36
38	38	37	35	36	48	42	36	36
38	37	37	35	36	48	42	37	36
38	37	37	36	36	48	42	36	36
38	37	37	35	36	48	42	37	36
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3- CO-P FO LEV A TE DEG
1	0	7	35	43	35	33	3
2	0	26	35	43	34	34	3
3	0	44	35	42	34	34	3
4	1	3	35	42	34	34	3
5	1	22	35	42	34	34	3
6	1	40	35	42	34	34	3
7	1	59	35	42	34	34	3
8	2	17	35	42	34	34	3
9	2	36	35	42	34	34	3
10	2	54	35	42	34	34	3
11	3	13	35	42	35	34	3
12	3	32	35	42	34	34	3
13	3	50	35	43	34	34	3
14	4	9	36	42	34	34	3
15	4	27	35	42	35	34	3
16	4	46	36	42	35	34	3
17	5	4	35	42	34	34	3
18	5	23	35	42	35	34	3
19	5	42	35	42	35	34	3
20	6	0	35	42	35	33	3
21	6	19	36	42	34	33	3
22	6	37	35	44	35	33	3
23	6	56	37	42	36	38	3
24	7	15	36	41	36	36	3
25	7	33	36	44	36	36	3
26	7	52	36	45	36	36	3
27	8	10	37	42	36	36	3
28	8	29	36	45	36	36	3
29	8	48	36	45	36	38	3
30	9	6	36	45	36	37	3
31	9	25	36	44	36	38	3
32	9	43	37	45	37	35	3
33	10	2	37	44	36	37	3
34	10	21	37	42	36	36	3
35	10	39	36	44	37	36	3
36	10	58	37	42	37	37	3
37	11	16	36	45	37	38	3
38	11	35	36	44	37	37	3
39	11	54	36	43	36	36	3
40	12	12	36	42	36	36	3
41	12	31	36	42	36	36	3
42	12	49	36	44	36	35	3
43	13	8	35	45	36	35	3
44	13	27	36	42	36	35	3
45	13	45	36	45	36	35	3

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

3-16 COTS COOR MASS AIR EMP G.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
43	35	33	34	42	34	33	34	41
43	34	34	33	42	34	33	33	41
42	34	34	33	41	34	33	33	41
42	34	34	33	41	34	33	34	41
42	34	34	33	41	34	34	34	41
42	34	34	33	42	34	33	33	41
42	34	34	34	42	34	33	34	41
42	34	34	34	41	34	33	33	41
42	34	34	33	41	34	34	33	41
42	34	34	34	41	34	33	34	41
42	35	34	34	41	34	33	34	41
42	34	34	34	42	34	33	34	41
43	34	34	34	42	34	34	34	41
42	34	34	34	42	34	34	34	41
42	35	34	34	42	34	33	34	41
42	35	34	34	41	34	33	34	41
42	34	34	33	41	34	34	34	41
42	35	34	34	42	34	34	34	41
42	35	34	34	41	34	33	34	41
42	35	33	34	41	34	33	34	40
42	34	33	34	42	36	44	34	41
44	35	33	35	43	34	36	34	41
42	36	38	33	41	38	31	34	41
41	36	36	35	42	39	36	35	41
44	36	36	34	43	38	44	35	41
45	36	36	36	41	36	29	35	41
42	36	36	36	42	39	36	34	41
45	36	36	34	42	36	47	35	41
45	36	38	36	41	36	24	34	41
45	36	37	36	42	36	22	35	40
44	36	38	36	41	39	31	34	41
45	37	35	38	42	36	44	35	41
44	36	37	36	42	36	46	35	41
42	36	36	37	43	39	36	35	42
44	37	36	35	42	37	46	35	42
42	37	37	36	42	37	38	35	41
45	37	38	36	42	36	31	35	42
44	37	37	36	44	38	36	35	42
45	36	36	35	44	36	35	35	42
42	36	36	36	43	36	35	34	41
42	36	36	35	43	36	35	35	42
44	36	35	36	42	36	35	35	42
45	36	35	35	42	36	35	35	41
42	36	35	35	43	36	35	34	41
[illegible]	36	36	34	43	36	35	35	41

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
46	14	4	35	44	36	35	35
47	14	22	35	45	36	36	34
48	14	41	36	43	36	35	35
49	15	0	36	43	36	36	34
50	15	18	36	45	36	36	33
51	15	37	37	42	36	35	35
52	15	55	36	45	36	36	34
53	16	14	35	45	36	36	34
54	16	33	36	44	36	35	35
55	16	51	36	45	36	36	33
56	17	10	36	45	36	35	34
57	17	28	36	43	36	35	35
58	17	47	36	44	36	35	35
59	18	6	36	42	36	35	35
60	18	24	36	45	36	34	34
61	18	43	35	44	36	35	35
62	19	1	35	44	35	35	35
63	19	20	35	45	36	35	35
64	19	39	35	42	36	36	35
65	19	57	36	44	36	35	35
66	20	16	36	45	36	35	35
67	20	34	35	45	36	35	34
68	20	53	36	44	35	36	33
69	21	12	36	45	36	36	34
70	21	30	36	44	35	35	35
71	21	49	36	45	36	36	33
72	22	7	36	44	36	35	35
73	22	26	36	44	36	34	35
74	22	45	35	46	36	35	34
75	23	3	35	45	36	35	34
76	23	22	35	44	36	36	35
77	23	40	36	45	36	36	34
78	23	59	36	44	36	36	35
79	24	18	36	42	36	36	34
80	24	36	36	45	36	36	34
81	24	55	36	44	36	35	35
82	25	13	36	45	36	36	34
83	25	32	35	45	36	36	33
84	25	51	36	45	36	35	34
85	26	9	35	45	36	35	34
86	26	28	35	45	36	35	35
87	26	46	36	45	36	35	35
88	27	5	36	43	36	35	35
89	27	24	36	43	37	36	34
90	27	42	35	46	36	35	35
91	28	1	36	45	36	35	35
92	28	19	36	44	37	36	35
93	28	38	35	45	36	35	36
94	28	56	37	44	36	35	36
95	29	15	35	45	38	35	

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3-16 LOTS FLOOR MASS AIR TEMP EG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
44	36	35	35	42	36	35	35	41
45	36	36	34	44	36	34	34	42
43	36	35	35	42	36	35	34	41
43	36	36	34	42	36	35	33	42
45	36	36	33	43	36	35	35	42
42	36	35	35	42	35	34	35	41
45	36	36	34	44	36	34	34	42
45	36	36	34	43	35	34	34	42
44	36	35	35	43	35	34	35	41
45	36	36	33	42	35	34	35	41
45	36	35	34	43	35	34	34	41
43	36	35	35	42	35	34	34	41
44	36	35	35	42	35	34	34	41
42	36	35	35	43	35	34	34	42
45	36	34	34	42	35	34	35	41
44	36	35	35	44	35	34	34	41
44	35	35	35	42	34	34	34	41
45	36	35	35	42	35	34	34	41
42	36	36	35	42	35	34	34	41
44	36	35	35	42	35	34	34	41
45	36	35	35	42	35	35	34	42
45	36	35	34	42	35	34	34	41
44	35	36	33	44	35	34	34	42
45	36	36	34	44	36	34	35	42
44	35	35	35	42	35	35	35	41
45	36	36	33	43	35	35	34	42
44	36	35	35	42	35	34	35	41
44	36	34	35	42	35	34	35	42
46	36	35	34	42	35	33	35	42
45	36	35	34	43	35	34	35	41
44	36	36	35	43	35	34	35	41
45	36	36	34	42	35	34	34	41
44	36	36	35	42	35	35	35	41
42	36	36	34	43	35	34	35	42
45	36	36	34	43	35	34	35	42
44	36	35	35	41	35	35	35	41
45	36	36	34	43	35	35	35	42
45	36	36	33	42	35	34	35	42
45	36	35	34	43	35	35	35	41
45	36	35	34	42	35	34	35	41
45	36	35	35	41	35	35	35	41
45	36	35	35	42	35	35	35	42
43	36	35	35	42	35	35	35	41
43	37	36	34	42	36	35	36	41
46	36	35	35	42	36	35	35	41
45	36	35	35	42	36	35	35	41
44	37	36	35	43	36	35	36	42
45	36	35	36	42	36	35	35	42
44	36	35	36	42	36	35	36	42
45	38	35		43	36	35	35	42

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
96	29	34	36	46	36	36	36
97	29	52	35	44	37	35	34
98	30	11	36	43	36	34	34
99	30	29	36	44	36	36	35
100	30	48	36	45	35	34	35
101	31	7	35	46	36	36	35
102	31	25	36	47	35	36	36
103	31	44	37	45	36	35	36
104	32	2	36	46	36	35	36
105	32	21	35	47	36	35	36
106	32	40	36	46	35	35	36
107	32	58	36	45	36	35	36
108	33	17	36	44	35	36	36
109	33	35	36	45	36	35	36
110	33	54	36	44	36	36	36
111	34	13	36	46	36	36	35
112	34	31	37	44	37	35	34
113	34	50	37	46	35	36	36
114	35	9	36	46	36	35	36
115	35	27	36	47	36	36	35
116	35	46	36	45	36	36	34
117	36	4	36	46	35	35	37
118	36	23	36	46	36	35	36
119	36	41	37	44	36	36	36
120	37	0	37	44	37	36	35
121	37	18	37	44	38	36	35
122	37	37	36	46	36	36	35
123	37	56	36	44	36	37	36
124	38	14	36	44	37	36	35
125	38	33	36	46	36	36	35
126	38	51	37	47	36	36	37
127	39	10	36	48	37	37	35
128	39	29	37	45	35	35	36
129	39	47	37	45	35	35	37
130	40	6	37	44	36	35	38
131	40	24	38	44	36	36	38
132	40	43	37	45	34	36	36
133	41	2	36	46	36	36	35
134	41	20	37	44	36	35	38
135	41	39	37	46	38	35	35
136	41	58	37	45	35	36	34
137	42	16	36	46	37	37	37
138	42	35	36	47	37	35	37
139	42	53	36	44	36	35	36
140	43	12	36	47	37	36	37
141	43	31	36	44	36	35	35
142	43	49	37	45	36	35	37
143	44	8	36	45	37	35	37
144	44	26	37	45	36	36	36
145	44	45	37	46	36	37	37

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3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
46	36	36	36	42	36	35	36	42
44	37	35	34	42	36	35	35	42
43	36	34	34	42	36	34	36	41
44	36	36	35	42	35	35	36	42
45	35	34	35	42	36	34	35	43
46	36	36	35	42	36	35	36	42
47	39	36	36	41	36	35	36	42
45	36	35	36	42	36	35	36	42
46	36	35	36	43	36	35	35	42
47	36	35	36	42	36	35	36	42
46	36	35	36	42	36	35	36	43
45	36	35	36	41	36	36	36	42
44	39	36	36	41	36	36	36	42
45	36	35	36	43	36	35	36	42
44	35	36	36	43	36	35	36	43
46	36	36	35	43	36	36	35	43
44	37	36	34	44	36	35	35	43
46	35	36	36	42	37	36	35	43
46	36	35	36	42	37	36	36	43
47	36	36	35	44	36	35	36	42
45	36	36	34	44	36	36	36	43
46	35	35	37	42	38	36	36	43
46	36	35	36	42	38	36	36	43
44	36	36	36	44	38	36	36	43
44	37	36	35	44	37	36	36	43
44	38	36	35	44	38	36	36	44
46	36	36	35	44	37	36	36	43
44	36	37	36	43	37	36	36	44
44	37	36	35	44	36	36	36	43
46	36	36	35	43	36	36	36	44
47	36	36	37	43	37	36	36	43
48	37	37	35	43	37	36	36	44
45	35	35	36	44	37	36	36	43
45	35	35	37	44	37	36	36	44
44	36	35	38	42	36	35	36	44
44	36	36	38	44	37	36	36	44
45	34	35	36	44	37	35	36	44
46	36	36	35	44	37	36	36	44
44	36	35	33	44	36	36	36	44
46	38	35	35	44	36	35	36	44
45	35	36	34	43	37	36	36	44
46	37	37	37	43	36	36	36	44
47	37	35	37	44	37	36	36	43
44	36	35	36	44	38	37	36	44
47	37	36	37	43	37	36	36	44
44	36	35	35	44	37	36	35	44
45	36	35	37	44	37	36	36	44
45	37	35	37	43	37	35	36	44
45	36	36	36	43	37	36	36	44
46	36	37	37	44	37	36	36	44

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
146	45	4	36	45	36	35	36
147	45	22	36	46	36	37	36
148	45	41	36	44	35	35	35
149	45	59	36	45	36	35	36
150	46	18	38	46	36	36	36
151	46	37	36	45	36	35	37
152	46	55	36	45	35	36	35
153	47	14	36	47	38	36	37
154	47	33	36	46	37	36	37
155	47	51	36	45	36	35	37
156	48	10	36	45	37	35	37
157	48	28	37	44	38	37	35
158	48	47	36	48	36	37	38
159	49	6	37	47	35	36	35
160	49	24	37	44	35	35	35
161	49	43	38	46	36	36	35
162	50	2	36	46	36	36	35
163	50	20	37	46	37	36	36
164	50	39	37	44	36	36	36
165	50	57	38	47	37	36	38
166	51	16	37	48	39	36	38
167	51	35	37	48	36	36	38
168	51	53	36	46	36	37	36
169	52	12	38	46	38	37	38
170	52	31	38	45	38	36	39
171	52	49	36	48	36	37	36
172	53	8	38	47	37	38	36
173	53	26	38	45	38	38	39
174	53	45	38	48	36	37	38
175	54	4	38	49	36	36	38
176	54	22	38	48	36	37	36
177	54	41	38	45	38	37	39
178	55	0	38	46	38	38	37
179	55	18	38	46	37	37	39
180	55	37	38	48	36	37	38
181	55	55	37	45	36	36	36
182	56	14	38	48	37	36	36
183	56	33	37	48	38	37	38
184	56	51	37	45	36	37	37
185	57	10	37	45	36	37	36
186	57	29	38	47	39	37	38
187	57	47	38	46	36	38	38
188	58	6	38	48	38	38	39
189	58	24	38	48	37	38	39
190	58	43	37	46	36	36	36
191	59	2	37	48	38	37	38
192	59	20	37	48	38	37	38
193	59	39	37	48	38	36	37
194	59	58	37	46	36	36	36
195	60	16	37	48	37	36	

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3-16 FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
45	36	35	36	44	37	36	36	44
46	36	37	36	44	37	36	36	44
44	35	35	35	43	36	35	36	44
45	36	35	36	45	37	36	36	44
46	36	36	36	44	37	36	36	44
45	36	35	37	45	37	36	36	44
45	35	36	35	45	37	36	36	45
47	38	36	37	45	38	36	36	44
46	37	36	37	44	37	37	36	44
45	36	35	37	45	38	37	36	44
45	37	35	37	45	38	36	37	45
44	36	37	35	45	37	36	37	44
48	36	37	38	44	37	36	37	44
47	35	36	35	44	38	36	36	45
44	35	36	35	44	37	36	37	44
46	36	36	35	45	38	36	37	44
46	36	36	35	44	38	37	37	44
46	37	36	35	44	38	37	37	44
44	36	38	36	44	38	37	36	44
47	37	36	38	44	39	36	38	44
48	39	36	38	46	38	37	37	44
48	36	36	36	44	38	37	37	44
46	36	37	38	45	38	36	37	45
46	38	37	39	44	38	37	37	44
45	38	36	36	44	38	37	37	44
48	36	37	36	45	37	36	37	44
47	37	38	39	45	37	36	37	44
45	38	38	38	45	38	37	38	45
48	36	37	38	45	38	36	37	44
49	36	36	38	45	38	37	37	45
48	36	37	36	45	38	37	37	45
45	38	37	39	45	38	37	37	45
46	38	38	37	44	38	37	37	45
46	37	37	39	44	37	37	37	44
48	36	37	38	44	37	37	36	44
45	36	36	36	45	37	36	36	44
48	37	36	36	45	37	36	37	45
48	38	37	38	45	38	37	37	45
45	36	37	37	45	38	36	37	45
45	36	37	36	45	37	37	37	44
47	39	37	38	46	37	37	37	45
46	36	38	39	44	38	37	37	45
48	38	38	39	45	37	36	37	45
48	37	38	36	45	37	36	37	45
46	36	36	38	46	38	36	37	44
48	38	37	38	46	38	36	37	45
48	38	36	37	45	38	37	37	44
48	38	36	36	45	37	37	37	44
46	36	36	37	46	38	37	38	45
48	37	36	36	46	38	37	37	44
				45	37	37	37	45
				45	38	37	37	44

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	CO F D
196	60	35	38	46	36	37	38	
197	60	53	38	47	37	38	38	
198	61	12	37	46	36	38	38	
199	61	31	38	46	36	38	38	
200	61	49	38	49	38	38	38	
201	62	8	38	48	38	37	37	
202	62	27	37	46	37	36	36	
203	62	45	38	48	39	37	38	
204	63	4	38	48	39	38	39	
205	63	22	39	48	39	38	39	
206	63	41	38	48	38	38	39	
207	64	0	38	48	38	38	39	
208	64	18	38	48	38	37	39	
209	64	37	37	46	36	38	39	
210	64	56	38	48	38	38	39	
211	65	14	38	45	36	38	38	
212	65	33	37	48	38	36	37	
213	65	51	37	48	38	37	37	
214	66	10	37	48	38	39	39	
215	66	29	38	46	38	38	37	
216	66	47	38	46	36	37	39	
217	67	6	37	49	36	36	39	
218	67	24	37	46	38	38	37	
219	67	43	37	49	38	39	37	
220	68	2	38	48	38	37	37	
221	68	20	38	48	36	36	38	
222	68	39	38	46	37	37	39	
223	68	58	38	47	38	38	36	
224	69	16	37	48	36	36	38	
225	69	35	37	48	38	38	36	
226	69	53	38	46	38	38	38	
227	70	12	37	48	36	37	36	
228	70	31	38	47	38	38	36	
229	70	49	37	48	37	37	36	
230	71	8	38	48	37	38	39	
231	71	27	38	49	38	36	37	
232	71	45	38	48	38	36	37	
233	72	4	38	48	38	36	36	
234	72	22	37	46	36	37	36	
235	72	41	38	48	39	36	37	
236	73	0	38	49	38	37	37	
237	73	18	37	46	36	38	37	
238	73	37	38	48	38	36	37	
239	73	56	38	48	38	36	37	
240	74	14	38	48	38	37	38	
241	74	33	38	48	38	37	39	
242	74	51	38	48	37	37	39	
243	75	10	38	48	38	36	38	
244	75	29	37	48	38	37	38	
245	75	47	38	46	36	37	38	

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3-16 LOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
46	36	37	38	45	37	37	37	44
47	37	38	38	45	37	36	37	45
46	36	38	38	45	37	37	37	44
46	36	38	38	44	37	36	37	45
49	38	38	38	46	37	36	37	44
48	38	37	37	46	38	36	36	44
46	37	36	36	45	37	37	37	44
48	39	37	38	45	38	37	36	44
48	39	38	39	46	38	37	37	45
48	39	38	39	46	38	36	37	45
48	38	38	39	45	37	37	36	45
48	38	38	39	45	38	36	37	45
48	38	37	39	46	37	36	37	44
46	36	38	39	46	37	36	36	45
48	38	38	39	45	37	36	37	44
45	36	38	38	45	37	37	37	45
48	38	36	37	46	37	36	37	44
48	38	37	37	46	38	36	36	44
48	38	39	39	44	38	36	37	44
46	38	38	37	45	37	36	36	44
46	36	37	39	45	37	36	37	44
49	36	36	39	45	37	36	36	45
46	38	38	37	45	37	37	37	44
49	38	39	37	45	37	37	36	44
48	38	37	37	46	37	36	37	45
48	36	36	38	45	37	36	37	45
46	37	37	39	46	37	37	37	44
47	38	38	36	46	37	37	36	44
48	36	36	38	46	37	36	37	45
48	38	38	36	46	37	36	36	44
46	38	38	38	45	37	36	37	45
48	36	37	36	46	37	36	37	45
47	38	38	36	46	36	36	36	44
48	37	37	36	46	37	37	36	44
48	37	38	39	46	37	36	37	45
49	38	36	37	45	37	36	37	44
48	38	36	37	45	38	36	37	44
48	38	36	36	44	37	37	37	44
46	36	37	36	46	38	36	37	45
48	39	36	37	47	38	37	37	44
49	38	37	37	45	37	37	37	44
46	36	38	37	45	38	36	37	45
48	38	36	37	46	37	35	37	44
48	38	36	37	47	37	37	36	44
48	38	37	38	47	37	37	36	44
48	38	37	39	46	38	36	37	44
48	37	37	39	46	37	37	37	44
48	38	36	38	45	37	37	36	44
48	38	37	38	45	37	36	37	44
46	36	37	38	45	37	36	37	44

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	CO F D
246	76	6	37	47	36	36	36	
247	76	25	38	46	36	38	38	
248	76	43	37	47	38	38	39	
249	77	2	37	48	36	36	36	
250	77	20	38	46	36	37	38	
251	77	39	38	48	37	38	38	
252	77	58	37	46	36	36	37	
253	78	16	38	48	36	38	38	
254	78	35	38	48	38	36	38	
255	78	54	37	45	36	37	37	
256	79	12	37	48	36	36	36	
257	79	31	37	46	37	36	36	
258	79	50	38	48	38	36	38	
259	80	8	38	48	38	36	36	
260	80	27	38	48	38	36	36	
261	80	45	38	48	38	36	35	
262	81	4	38	48	38	36	38	
263	81	23	38	48	38	36	36	
264	81	41	38	48	37	37	38	
265	82	0	37	47	38	37	38	
266	82	19	38	48	38	36	38	
267	82	37	38	49	38	36	36	
268	82	56	38	48	38	36	38	
269	83	15	37	48	38	37	38	
270	83	33	38	47	37	37	36	
271	83	52	38	48	38	36	39	
272	84	10	39	46	38	36	38	
273	84	29	38	48	39	36	37	
274	84	48	38	48	36	38	38	
275	85	6	38	49	36	37	38	
276	85	25	38	48	36	37	36	
277	85	44	39	47	36	36	38	
278	86	2	38	48	38	38	37	
279	86	21	38	47	36	37	37	
280	86	40	38	49	37	38	36	
281	86	58	37	48	39	38	38	
282	87	17	39	[illegible]	36	38	37	
283	87	36	38	46	37	37	36	
284	87	54	37	46	37	37	37	
285	88	13	38	48	38	38	38	
286	88	32	38	48	38	38	39	
287	88	50	37	47	37	37	37	
288	89	9	38	49	38	38	38	
289	89	28	38	48	37	37	36	
290	89	46	38	49	39	38	38	
291	90	5	38	46	36	39	39	
292	90	24	38	46	36	38	38	
293	90	42	38	47	38	39	39	
294	91	1	38	49	39	38	39	
295	91	20	38	46	37	37		

3-16 LOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
47	36	36	36	45	37	36	37	44
46	36	38	38	45	37	37	36	44
47	38	38	39	45	37	36	37	43
48	36	36	36	45	37	37	36	44
46	36	37	38	45	37	36	37	44
48	37	38	38	46	37	37	36	44
46	36	36	37	45	37	37	37	45
48	36	38	38	46	37	37	37	44
48	38	36	38	46	37	36	36	44
45	36	37	37	44	37	36	37	44
48	36	36	36	44	37	36	36	44
46	37	36	36	45	37	36	37	44
48	38	36	38	46	37	35	36	44
48	39	36	36	45	37	36	36	44
48	38	36	36	45	37	36	36	45
48	38	36	35	45	37	36	37	44
48	38	36	38	46	37	36	36	44
48	38	36	36	45	37	36	35	44
48	37	37	38	47	37	36	37	44
47	38	37	38	45	37	36	36	44
48	38	36	38	46	37	36	36	44
49	38	36	36	46	37	36	37	44
48	38	36	38	46	36	37	36	44
48	38	37	38	45	37	36	37	44
47	37	37	36	45	36	36	36	44
48	39	36	39	45	37	36	36	44
46	38	36	38	46	38	36	37	44
48	39	36	37	45	38	37	37	44
48	36	38	38	45	37	37	37	44
49	36	37	38	46	38	37	37	45
48	36	37	36	47	38	37	37	44
47	36	36	38	45	37	37	37	45
48	38	38	37	46	38	37	36	44
47	36	37	37	46	37	37	36	44
49	37	38	36	45	37	36	38	44
48	39	38	38	45	37	36	37	44
46	36	38	37	46	38	36	37	44
46	37	37	36	46	37	36	37	44
46	37	37	37	46	37	35	36	44
48	38	38	38	46	37	37	37	44
48	38	38	39	46	37	37	36	44
47	37	37	37	46	37	36	36	44
49	38	38	38	46	37	36	37	45
48	37	37	36	45	37	36	36	45
49	39	36	38	47	37	36	37	44
46	36	39	39	46	38	36	37	44
46	36	38	38	45	37	37	36	44
47	38	39	39	47	37	36	37	44
49	39	36	39	46	38	36	37	45
46	37	37	37	45	37	36	37	44

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-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
296	91	38	37	46	37	37	36
297	91	57	39	48	38	39	39
298	92	15	38	47	38	38	37
299	92	34	38	47	37	37	39
300	92	53	38	48	38	37	39
301	93	11	37	46	36	36	37
302	93	30	37	49	37	36	39
303	93	49	38	48	36	38	37
304	94	7	38	45	36	37	37
305	94	26	38	46	36	36	37
306	94	45	37	48	36	36	37
307	95	3	38	46	36	36	38
308	95	22	38	46	36	36	39
309	95	41	37	49	36	36	37
310	95	59	38	46	36	36	38
311	96	18	38	47	36	36	38
312	96	37	37	46	36	36	37
313	96	55	38	46	36	36	37
314	*	*	*	*	*	*	*

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3-16 LOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
46	37	37	36	45	37	36	36	44
48	38	39	39	46	38	37	37	44
47	38	38	37	45	37	37	37	44
47	37	37	39	46	36	37	36	44
48	38	37	39	46	37	36	36	44
46	36	36	37	45	37	36	37	45
49	37	36	39	46	36	36	36	44
48	36	38	37	46	36	36	36	45
45	36	37	37	46	36	36	36	44
46	36	36	37	46	36	36	36	44
48	36	36	37	46	36	36	36	44
46	36	36	38	45	36	36	36	44
46	36	36	39	46	36	36	36	44
49	36	36	37	45	36	35	36	44
46	36	36	38	45	36	36	36	44
47	36	36	38	45	36	36	36	44
46	36	36	37	45	36	36	36	44
46	36	36	37	45	36	36	36	43
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
1	0	7	37	36	35	43
2	0	26	37	35	35	43
3	0	44	36	36	35	43
4	1	3	36	36	36	43
5	1	22	36	35	35	43
6	1	40	36	36	35	43
7	1	59	37	36	35	43
8	2	17	36	35	35	43
9	2	36	37	36	35	43
10	2	54	37	36	36	43
11	3	13	37	36	35	44
12	3	32	37	35	35	43
13	3	50	37	36	36	43
14	4	9	37	36	36	43
15	4	27	37	36	35	43
16	4	46	37	36	35	43
17	5	4	36	36	35	43
18	5	23	37	36	36	43
19	5	42	37	36	36	43
20	6	0	37	36	36	43
21	6	19	37	36	36	42
22	6	37	38	36	36	44
23	6	56	37	38	37	43
24	7	15	38	38	37	43
25	7	33	39	38	38	43
26	7	52	39	38	38	44
27	8	10	39	39	38	42
28	8	29	39	39	38	43
29	8	48	39	39	39	43
30	9	6	39	39	39	44
31	9	25	39	39	39	43
32	9	43	41	39	39	44
33	10	2	41	40	39	43
34	10	21	40	39	38	44
35	10	39	40	39	39	44
36	10	58	40	39	39	44
37	11	16	40	39	39	43
38	11	35	40	39	39	43
39	11	54	40	39	39	43
40	12	12	40	39	39	44
41	12	31	39	38	39	43
42	12	49	40	37	37	43
43	13	8	39	37	36	43
44	13	27	39	37	36	42

886

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
46	14	4	39	37	35	44
47	14	22	38	37	36	43
48	14	41	38	37	35	44
49	15	0	38	37	37	44
50	15	18	38	37	36	44
51	15	37	38	36	37	44
52	15	55	38	37	35	44
53	16	14	38	36	37	44
54	16	33	38	37	36	44
55	16	51	38	37	36	44
56	17	10	38	37	37	44
57	17	28	38	36	36	44
58	17	47	38	36	36	44
59	18	6	38	35	36	44
60	18	24	38	36	36	45
61	18	43	37	36	36	43
62	19	1	37	37	36	44
63	19	20	37	37	36	[illegible]
64	19	[illegible]	38	36	36	44
65	19	[illegible]	38	36	36	44
66	20	16	38	36	36	43
67	20	34	37	36	36	44
68	20	53	37	36	36	44
69	21	12	38	36	36	45
70	21	30	38	36	36	44
71	21	49	38	37	36	44
72	22	7	38	36	37	45
73	22	26	37	36	36	44
74	22	45	38	36	36	44
75	23	3	38	37	36	44
76	23	22	38	36	36	43
77	23	40	38	36	36	44
78	23	59	38	36	35	44
79	24	18	37	36	36	43
80	24	36	38	36	36	44
81	24	55	37	36	36	44
82	25	13	38	36	36	44
83	25	32	38	36	36	44
84	25	51	38	36	36	44
85	26	9	37	36	36	44
86	26	28	38	36	36	44
87	26	46	38	36	36	44
88	27	5	38	36	36	44
89	27	24	38	36	36	44
90	27	42	38	37	36	44
91	28	1	38	37	36	44
92	28	19	39	37	37	44
93	28	38	38	37	36	44
94	28	56	38	37	36	44
[illegible]	[illegible]	[illegible]	[illegible]	38	36	44

B11

3-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
96	29	34	39	37	36	44
97	29	52	38	37	37	45
98	30	11	39	37	37	44
99	30	29	38	37	36	44
100	30	48	39	37	36	44
101	31	7	38	38	36	45
102	31	25	39	38	36	44
103	31	44	39	37	36	44
104	32	2	39	37	37	44
105	32	21	39	38	37	45
106	32	40	39	38	37	45
107	32	58	39	38	37	44
108	33	17	39	38	37	45
109	33	35	39	38	37	44
110	33	54	39	38	37	45
111	34	13	39	37	37	45
112	34	31	39	38	37	45
113	34	50	39	38	37	45
114	35	8	39	38	38	45
115	35	27	39	38	38	45
116	35	45	39	38	37	45
117	36	4	41	38	37	45
118	36	23	40	38	37	46
119	36	41	40	38	37	45
120	37	0	40	37	38	45
121	37	18	39	38	37	46
122	37	37	39	38	37	45
123	37	55	39	39	37	45
124	38	14	39	39	37	45
125	38	33	41	38	37	46
126	38	51	40	38	38	46
127	39	10	40	38	37	45
128	39	31	40	39	37	46
129	39	47	41	38	38	45
130	40	6	40	38	38	46
131	40	24	40	38	38	47
132	40	43	41	39	38	46
133	41	2	41	39	38	46
134	41	20	41	39	38	46
135	41	39	40	39	37	46
136	41	58	40	39	38	46
137	42	16	40	39	37	46
138	42	35	40	39	38	47
139	42	53	40	38	38	46
140	43	12	40	39	37	47
141	43	31	40	39	38	47
142	43	49	40	38	38	46
143	44	8	40	38	38	47
144	44	26	40	39	38	47
145	44	45	40	39	38	44

1200

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
146	45	4	40	39	38	47
147	45	22	40	39	38	47
148	45	41	40	39	38	46
149	45	59	41	39	38	47
150	46	18	41	39	38	48
151	46	37	41	39	38	47
152	46	55	41	40	38	47
153	47	14	40	39	38	46
154	47	33	40	39	38	47
155	47	51	40	39	38	46
156	48	10	41	39	38	48
157	48	28	40	39	38	46
158	48	47	40	39	38	48
159	49	6	40	39	38	47
160	49	24	40	39	38	46
161	49	43	41	39	39	47
162	50	2	41	39	38	47
163	50	20	41	39	38	47
164	50	39	41	39	38	48
165	50	57	41	39	38	47
166	51	16	41	39	38	47
167	51	35	41	39	38	47
168	51	53	41	39	38	47
169	52	12	41	40	39	47
170	52	31	41	39	38	46
171	52	49	41	39	38	46
172	53	8	40	39	39	46
173	53	26	41	39	39	48
174	53	45	41	39	39	48
175	54	4	41	39	39	47
176	54	22	41	39	39	47
177	54	41	41	39	39	47
178	55	0	41	39	39	48
179	55	18	40	39	38	47
180	55	37	40	39	38	47
181	55	55	40	39	39	47
182	56	14	40	39	38	46
183	56	33	41	39	38	47
184	56	51	41	39	39	47
185	57	10	41	39	38	45
186	57	29	40	39	39	48
187	57	47	41	39	38	47
188	58	6	41	39	39	47
189	58	24	41	39	38	47
190	58	43	40	39	39	46
191	59	2	41	39	38	46
192	59	20	40	39	39	46
193	59	39	40	39	38	48
194	59	58	40	39	38	46
195	60	16	40	39	39	47

120

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
196	60	35	40	39	38	47
197	60	53	40	39	38	48
198	61	12	40	39	38	46
199	61	31	40	39	38	47
200	61	49	40	39	39	46
201	62	8	40	39	38	47
202	62	27	40	39	39	46
203	62	45	41	39	39	46
204	63	4	40	39	38	47
205	63	22	41	39	39	47
206	63	41	40	39	38	46
207	64	0	40	39	38	46
208	64	18	40	39	38	46
209	64	37	40	39	38	47
210	64	56	40	39	38	46
211	65	14	40	39	39	47
212	65	33	40	39	39	47
213	65	51	40	39	38	47
214	66	10	40	39	39	46
215	66	29	40	39	39	47
216	66	47	40	39	39	46
217	67	6	40	39	38	47
218	67	24	40	39	38	47
219	67	43	40	39	38	46
220	68	2	41	39	38	47
221	68	20	40	39	38	48
222	68	39	40	39	39	46
223	68	58	40	39	39	46
224	69	16	40	38	39	46
225	69	35	39	39	38	46
226	69	53	40	39	39	46
227	70	12	40	39	38	46
228	70	31	40	39	39	46
229	70	49	40	38	39	46
230	71	8	40	39	39	46
231	71	27	40	39	39	46
232	71	45	41	39	38	47
233	72	4	41	39	38	46
234	72	22	40	39	38	46
235	72	41	41	38	39	47
236	73	0	40	39	39	46
237	73	18	40	39	38	47
238	73	37	40	39	38	47
239	73	56	41	39	39	47
240	74	14	40	39	38	46
241	74	33	40	39	39	47
242	74	51	41	38	39	46
243	75	10	40	39	38	46
244	75	29	40	39	38	46
245	75	47	40	39	38	47

1202

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
246	76	6	40	39	38	47
247	76	25	40	39	39	47
248	76	43	40	39	38	46
249	77	2	40	39	38	46
250	77	20	41	38	39	46
251	77	39	40	39	38	46
252	77	58	40	39	38	47
253	78	16	40	39	39	47
254	78	35	40	38	39	46
255	78	54	39	38	38	46
256	79	12	39	39	38	46
257	79	31	40	38	38	45
258	79	50	40	38	38	46
259	80	8	40	38	38	46
260	80	27	39	39	38	46
261	80	45	40	38	38	46
262	81	4	39	39	38	46
263	81	23	40	38	38	46
264	81	41	40	38	39	46
265	82	0	39	39	38	45
266	82	19	40	38	38	46
267	82	37	40	38	38	46
268	82	56	39	39	38	45
269	83	15	40	39	38	45
270	83	33	40	38	38	46
271	83	52	40	39	38	46
272	84	10	41	39	39	47
273	84	29	41	39	39	46
274	84	48	40	39	39	46
275	85	6	41	39	39	47
276	85	25	40	38	38	46
277	85	44	40	39	39	46
278	86	2	40	39	39	46
279	86	21	40	39	38	46
280	86	40	40	39	38	46
281	86	58	40	39	39	46
282	87	17	40	39	39	47
283	87	36	40	39	38	47
284	87	54	40	39	38	46
285	88	13	40	39	38	45
286	88	32	41	39	38	46
287	88	50	40	39	38	46
288	89	9	40	39	38	46
289	89	28	40	39	38	46
290	89	46	40	39	38	45
291	90	5	40	39	38	47
292	90	24	40	39	38	46
293	90	42	40	38	38	46
294	91	1	40	39	38	46
295	91	20	40	38	39	46

1203

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
296	91	38	40	38	39	46
297	91	57	40	39	39	46
298	92	15	40	39	38	47
299	92	34	41	39	39	46
300	92	53	40	38	39	46
301	93	11	41	39	39	47
302	93	30	40	39	38	46
303	93	49	40	38	38	46
304	94	7	39	39	39	46
305	94	26	39	39	38	46
306	94	45	40	38	39	47
307	95	3	40	39	38	46
308	95	22	40	38	38	46
309	95	41	39	39	38	46
310	95	59	40	38	38	46
311	96	18	40	39	38	46
312	96	37	40	39	38	46
313	96	55	40	38	38	46
314	*	*	*	*	*	*

11021

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
1	0	9	36	36	36	34	46
2	0	28	36	36	36	34	46
3	0	47	36	36	36	34	46
4	1	5	36	36	36	34	46
5	1	24	36	35	36	34	46
6	1	42	36	35	36	34	46
7	2	1	36	36	36	34	46
8	2	20	36	35	36	34	45
9	2	38	36	35	36	34	46
10	2	57	36	36	36	34	46
11	3	15	36	36	36	34	46
12	3	34	36	35	36	34	46
13	3	52	36	35	37	34	46
14	4	11	36	36	36	35	46
15	4	30	36	35	36	34	46
16	4	48	36	36	36	34	46
17	5	7	36	36	36	34	46
18	5	25	36	36	36	34	45
19	5	44	36	36	36	34	46
20	6	3	37	35	36	34	46
21	6	21	37	34	35	34	46
22	6	40	36	35	35	34	45
23	6	58	36	36	38	36	46
24	7	17	35	37	39	35	46
25	7	36	36	36	38	36	46
26	7	54	36	35	35	34	46
27	8	13	36	36	38	35	46
28	8	31	37	34	35	35	45
29	8	50	37	36	36	35	46
30	9	9	36	36	38	36	46
31	9	27	36	37	38	36	46
32	9	46	38	36	35	36	46
33	10	4	37	36	35	36	46
34	10	23	36	36	36	35	46
35	10	42	37	36	36	36	46
36	11	0	37	36	35	36	46
37	11	19	37	36	37	36	47
38	11	37	37	36	36	36	47
39	11	56	36	35	35	35	46
40	12	15	37	36	37	36	47
41	12	33	35	38	39	35	46
42	12	52	37	36	35	34	46
43	13	10	36	38	39	36	46
44	13	29	36	37	38	35	47
45	13	48	35	38	38	36	48

1205

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

4-06 R-PLT WNDSHD SIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
36	36	34	46	46	46	46	46	46
36	36	34	46	46	47	46	46	45
36	35	34	46	46	47	46	46	45
36	36	34	46	46	46	45	46	46
35	36	34	46	45	46	46	46	45
35	36	34	46	45	46	45	46	45
36	36	34	46	46	47	45	46	45
35	36	34	45	46	46	46	46	45
35	36	34	46	46	46	46	46	45
36	36	34	46	46	47	46	46	46
36	36	34	46	46	47	46	46	46
35	36	34	46	46	46	46	46	45
35	37	34	46	46	47	46	46	45
36	36	35	46	46	46	46	46	46
35	36	34	46	46	47	46	46	45
36	36	34	46	46	46	46	46	45
36	36	34	46	46	46	46	46	45
36	36	34	45	46	47	46	46	45
36	36	34	46	46	46	46	46	45
35	36	34	46	46	46	45	48	45
34	35	34	46	46	47	49	55	45
35	35	34	45	46	46	53	56	46
36	38	36	46	46	47	55	61	48
37	39	35	46	47	47	56	62	51
36	38	36	46	45	47	59	64	54
35	35	34	46	46	47	59	65	56
36	38	35	46	45	46	62	68	59
34	35	35	45	46	47	63	70	61
36	36	35	46	45	47	65	71	64
36	38	35	46	46	48	66	73	66
37	38	36	46	45	46	68	74	68
36	35	36	46	46	48	69	76	70
36	35	36	46	46	47	69	76	72
36	36	35	46	46	47	71	78	74
36	36	36	46	46	48	72	79	75
36	35	36	46	47	47	73	80	76
36	37	36	47	46	48	74	82	78
36	36	36	47	47	48	75	83	79
35	35	35	46	46	47	76	85	81
36	37	36	47	46	48	76	82	81
38	39	35	46	47	48	77	85	82
36	35	34	46	46	48	79	86	83
38	39	36	46	46	48	80	85	83
37	38	35	47	46	48	81	87	85
38	38	36	48	48	48	81	88	86

2

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
46	14	6	37	36	37	36	48
47	14	25	36	36	36	35	48
48	14	43	37	36	36	34	47
49	15	2	36	38	38	35	48
50	15	21	37	36	38	36	48
51	15	39	38	35	36	35	48
52	15	58	37	36	39	36	48
53	16	16	36	37	38	35	48
54	16	35	37	36	36	34	48
55	16	54	38	36	38	36	49
56	17	12	38	36	38	36	49
57	17	31	36	36	37	35	48
58	17	49	37	35	35	34	48
59	18	8	36	36	37	34	48
60	18	27	38	36	36	35	49
61	18	45	37	36	38	34	49
62	19	4	38	37	36	35	49
63	19	22	36	37	38	35	49
64	19	41	36	35	38	34	49
65	20	0	37	36	36	35	48
66	20	18	37	36	38	36	49
67	20	37	37	36	36	34	49
68	20	55	38	36	36	35	49
69	21	14	37	36	39	36	50
70	21	33	36	36	37	34	49
71	21	51	38	36	36	35	50
72	22	10	37	36	35	34	50
73	22	28	37	35	35	34	50
74	22	47	37	36	36	35	51
75	23	6	38	36	36	35	51
76	23	24	36	36	39	35	51
77	23	43	36	36	37	35	51
78	24	1	36	38	38	35	51
79	24	20	35	38	39	35	54
80	23	19	36	36	38	35	57
81	24	57	37	36	36	34	58
82	25	16	36	36	36	34	62
83	25	34	36	36	38	36	64
84	25	53	37	38	39	35	65
85	26	11	37	36	37	36	66
86	26	30	38	36	36	36	68
87	26	49	36	37	37	34	69
88	27	7	36	38	36	35	71
89	27	26	36	37	36	34	71
90	27	44	36	36	36	34	73
91	28	3	37	37	39	36	74
92	28	22	37	38	38	37	76
93	28	40	38	36	36	37	76
94	28	59	37	36	39	36	78
95	29	17	36	36	37	36	

4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
36	37	36	48	46	48	81	89	88
36	36	35	48	46	48	83	89	89
36	36	34	47	47	48	86	88	88
38	38	35	48	48	49	86	92	90
36	38	36	48	47	49	86	92	91
35	36	35	48	48	49	87	93	92
36	39	36	48	48	49	88	95	93
37	38	35	48	49	49	89	95	93
36	36	34	48	48	48	89	96	96
36	38	36	49	49	49	91	96	96
36	38	36	49	48	49	91	97	96
36	37	35	48	49	49	91	97	97
35	35	34	48	49	50	91	98	98
36	37	34	48	49	49	93	99	99
36	36	35	49	49	50	93	101	100
36	38	34	49	48	51	94	100	101
37	36	35	49	48	50	95	102	101
37	38	35	49	50	50	96	102	102
35	38	34	49	49	50	95	103	102
36	36	35	48	49	51	97	104	103
36	38	36	49	49	51	98	103	105
36	36	34	49	51	51	98	105	105
36	36	35	49	50	52	99	106	106
36	39	36	50	50	51	99	106	106
36	37	34	49	51	51	99	106	107
36	36	35	50	50	52	100	108	107
36	35	34	50	51	52	101	108	108
35	35	34	50	51	52	101	107	109
36	36	35	51	51	52	102	108	109
36	36	35	51	51	52	103	109	109
36	39	35	51	52	53	104	110	111
36	37	35	51	51	52	103	110	111
38	38	35	51	54	53	105	111	112
38	39	35	54	57	54	105	112	112
36	38	35	57	60	53	104	112	112
36	36	34	58	63	53	105	110	113
36	36	34	62	65	53	105	112	112
36	38	36	64	68	53	104	112	112
38	39	35	65	72	52	105	110	112
36	37	36	66	73	53	103	109	111
36	36	36	68	76	53	103	109	110
37	37	34	69	80	54	102	108	110
38	36	35	71	81	56	102	107	109
37	36	34	71	83	56	102	107	109
36	36	34	73	84	58	102	106	109
37	39	36	74	87	59	102	106	109
38	38	37	76	87	61	101	105	109
36	36	37	76	89	62	101	105	108
36	39	36	78	90	63	101	106	108
36	37	36		91	63	101	105	108

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1 0
96	29	36	37	37	39	34	81	
97	29	55	37	38	39	35	81	
98	30	13	38	38	39	36	84	
99	30	32	37	37	38	35	82	
100	30	50	36	37	39	36	86	
101	31	9	37	38	36	35	86	
102	31	28	37	37	37	35	87	
103	31	46	37	37	38	36	88	
104	32	5	38	37	36	36	89	
105	32	23	38	36	39	34	87	
106	32	42	38	36	39	34	86	
107	33	0	38	37	36	35	88	
108	33	19	36	38	39	35	89	
109	33	38	37	37	36	35	88	
110	33	56	38	37	35	35	88	
111	34	15	36	38	35	36	90	
112	34	33	36	38	35	36	90	
113	34	52	36	38	36	37	92	
114	35	11	38	35	38	34	91	
115	35	29	36	36	36	34	93	
116	35	48	36	37	38	36	93	
117	36	6	36	38	35	36	94	
118	36	25	37	36	39	35	95	
119	36	43	36	38	34	35	96	
120	37	2	36	37	38	36	93	
121	37	21	38	36	36	34	94	
122	37	39	36	36	34	36	94	
123	37	58	37	37	38	36	94	
124	38	16	37	38	35	38	96	
125	38	35	36	38	35	36	95	
126	38	54	37	37	38	34	95	
127	39	12	37	36	38	36	95	
128	39	31	36	37	38	36	96	
129	39	50	36	38	34	35	95	
130	40	8	36	38	34	35	95	
131	40	27	37	36	38	35	96	
132	40	45	38	36	38	36	96	
133	41	4	38	38	38	38	96	
134	41	23	36	37	36	35	96	
135	41	41	37	37	36	35	98	
136	42	0	38	38	35	34	96	
137	42	18	36	37	34	34	96	
138	42	37	37	38	34	34	97	
139	42	56	36	36	38	36	97	
140	43	14	36	36	38	36	97	
141	43	33	36	36	37	36	99	
142	43	51	36	38	34	35	99	
143	44	10	36	38	34	35	97	
144	44	29	36	36	39	36	97	
145	44	47	36	36	38	36	98	

1207

4-06 0-PLT NDSHD NSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
37	39	34	81	91	65	102	106	108
38	39	35	81	93	65	101	105	106
38	39	36	84	93	66	102	106	108
37	38	35	82	94	67	102	106	107
37	39	36	86	95	68	103	106	108
38	36	35	86	96	68	103	106	108
37	37	35	87	97	70	102	106	109
37	38	36	88	98	71	103	107	109
37	36	36	89	99	71	102	107	108
36	39	34	87	99	71	103	108	108
36	39	34	86	98	71	103	106	109
37	36	35	88	99	72	103	108	109
38	39	35	89	100	71	104	107	109
37	36	35	88	99	72	103	107	108
37	35	35	88	100	72	103	108	109
38	35	36	90	101	73	103	107	110
38	35	36	90	102	74	105	108	110
38	36	37	92	102	74	104	109	110
35	38	34	91	103	74	104	109	111
36	36	34	93	104	75	104	109	111
37	38	36	93	104	75	105	109	111
38	35	36	94	105	75	105	109	111
36	39	35	95	105	75	106	110	111
38	34	35	96	105	75	106	110	113
37	38	36	93	106	76	106	110	112
36	36	34	94	106	76	108	110	112
36	34	36	94	106	76	107	110	113
37	38	36	94	106	76	108	112	113
38	35	38	96	107	77	107	111	114
38	35	36	95	107	77	108	112	114
37	38	34	95	107	77	107	112	114
36	38	36	95	107	78	108	111	114
37	38	36	96	108	77	108	112	114
38	34	35	95	107	77	108	111	114
38	34	35	95	108	77	108	111	114
36	38	35	96	108	78	108	112	114
36	38	36	96	108	78	108	113	115
38	38	38	96	108	79	110	112	116
37	36	35	96	109	77	108	112	114
37	36	35	98	108	78	109	113	115
38	35	34	96	109	78	109	112	115
37	34	34	96	109	78	109	112	115
38	34	34	97	108	78	109	112	115
36	38	36	97	108	79	109	113	115
36	38	36	97	109	77	110	112	115
36	37	36	99	109	77	109	113	116
38	34	35	99	109	78	110	113	116
38	34	35	97	109	78	110	113	117
36	39	36	97	109	78	110	114	117
36	38	36	98	109	78	111	115	116

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-1 1STAG PUM OUTLE HYD TEM DEG.
146	45	6	38	38	35	34	97	10
147	45	24	36	36	38	36	98	10
148	45	43	36	36	37	36	98	10
149	46	2	38	38	35	34	98	11
150	46	20	36	37	39	36	99	11
151	46	39	37	36	37	37	99	11
152	46	58	38	38	36	36	100	11
153	47	16	38	38	34	34	101	11
154	47	35	37	36	38	38	100	11
155	47	53	36	36	39	36	101	11
156	48	12	38	37	36	36	101	11
157	48	31	37	37	39	36	101	11
158	48	49	36	37	39	35	99	11
159	49	8	37	37	36	37	98	11
160	49	27	38	38	35	35	99	11
161	49	45	38	37	37	38	97	11
162	50	4	36	36	38	36	96	10
163	50	22	38	37	38	37	96	10
164	50	41	38	36	36	38	94	10
165	51	0	38	36	35	35	94	10
166	51	18	37	39	35	36	93	10
167	51	37	37	39	38	37	92	10
168	51	56	37	38	38	37	92	10
169	52	14	38	37	36	37	92	10
170	52	33	38	38	37	38	91	10
171	52	51	36	38	37	38	91	10
172	53	10	38	36	36	38	91	10
173	53	29	38	37	36	37	91	10
174	53	47	38	37	36	38	91	10
175	54	6	38	38	36	38	89	10
176	54	25	38	39	40	36	90	10
177	54	43	38	37	35	39	89	10
178	55	2	38	37	39	36	89	10
179	55	20	39	36	37	36	89	10
180	55	39	37	37	39	38	88	10
181	55	58	38	37	37	36	88	10
182	56	16	37	36	36	36	88	10
183	56	35	38	36	38	37	88	10
184	56	54	38	37	36	35	88	10
185	57	12	37	37	39	37	88	10
186	57	31	37	37	39	39	88	10
187	57	49	37	39	36	36	88	9
188	58	8	37	37	39	38	88	10
189	58	27	37	38	36	37	88	10
190	58	45	36	36	39	38	88	9
191	59	4	36	37	39	37	87	9
192	59	23	38	39	36	35	87	10
193	59	41	38	38	36	36	88	10
194	60	0	36	36	40	38	88	10
195	60	18	38	37	36	36		10

1208

4-06 O-PLT NDSHD NSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
38	35	34	97	109	78	111	114	116
36	38	36	98	109	78	111	114	117
36	37	36	98	109	78	111	114	117
38	35	34	98	110	79	111	115	117
37	39	36	99	110	79	111	115	118
36	37	37	99	110	79	111	115	117
38	36	36	100	110	79	112	115	118
38	34	34	101	110	79	112	114	116
36	38	38	100	111	79	111	115	118
36	39	36	101	110	79	112	115	118
37	36	36	101	111	80	112	115	118
37	39	36	101	112	79	112	115	118
37	39	35	99	111	80	112	115	118
37	36	37	98	110	81	112	115	117
38	35	35	99	110	79	111	115	118
37	37	38	97	110	78	111	114	116
36	38	36	96	108	77	110	113	116
37	38	37	96	107	76	110	113	116
36	36	38	94	106	74	110	113	116
36	35	35	94	106	74	109	113	116
39	35	36	93	105	75	110	113	115
39	38	37	92	106	74	110	111	116
38	38	37	92	106	73	109	111	116
37	36	37	92	104	73	110	112	116
38	37	38	91	105	72	110	112	115
38	37	38	91	105	72	110	112	116
36	36	38	91	104	72	110	111	117
37	36	37	91	104	71	110	112	116
37	36	38	91	103	71	110	111	115
38	36	38	89	103	71	110	112	116
39	40	36	90	103	71	110	111	116
37	35	39	89	102	70	110	112	115
37	39	36	89	101	70	110	112	116
36	37	36	89	101	70	109	110	115
37	39	38	88	100	70	109	112	115
37	37	36	88	102	71	108	113	115
36	36	36	88	101	69	108	111	115
36	38	37	88	101	70	108	111	114
37	36	35	88	101	69	109	111	115
37	39	37	88	100	69	109	110	115
37	39	39	88	100	70	109	110	115
39	36	36	88	99	69	110	110	114
37	39	38	88	100	68	109	110	115
38	36	37	88	100	68	109	110	115
36	39	38	88	99	68	109	111	115
37	39	37	87	99	68	109	110	115
39	36	35	87	100	69	109	110	114
38	36	36	88	100	68	108	110	114
36	40	38	88	100	68	109	110	115
37	36	36		100	68	109	110	114

2

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4 1ST F OUT H T DE
196	60	37	38	38	36	35	87	
197	60	56	37	38	37	37	87	
198	61	14	37	36	38	36	87	
199	61	33	39	38	35	35	87	
200	61	52	37	37	39	37	88	
201	62	10	38	36	38	37	88	
202	62	29	38	37	36	36	87	
203	62	47	37	37	39	38	88	
204	63	6	38	37	36	35	87	
205	63	25	37	37	40	38	87	
206	63	43	38	38	35	35	87	
207	64	2	38	38	35	36	87	
208	64	21	36	36	40	38	87	
209	64	39	38	37	36	35	87	
210	64	58	38	38	36	36	86	
211	65	16	38	38	36	35	88	
212	65	35	38	38	37	37	87	
213	65	54	38	37	38	36	86	
214	66	12	37	38	39	36	87	
215	66	31	37	37	36	35	87	
216	66	49	38	37	38	38	87	
217	67	8	38	37	37	35	86	
218	67	27	36	38	36	36	87	
219	67	45	38	37	39	37	87	
220	68	4	37	38	35	35	88	
221	68	23	36	38	36	36	87	
222	68	41	38	36	38	36	87	
223	69	0	37	37	39	38	88	
224	69	18	38	36	39	36	87	
225	69	37	37	38	36	37	87	
226	69	56	38	38	39	37	88	
227	70	14	38	37	39	36	88	
228	70	33	36	37	38	36	87	
229	70	52	36	37	39	36	87	
230	71	10	38	38	36	35	88	
231	71	29	38	38	37	37	88	
232	71	47	37	36	39	37	88	
233	72	6	35	36	38	35	87	
234	72	25	37	36	39	37	88	
235	72	43	39	38	36	36	88	
236	73	2	37	38	36	36	88	
237	73	21	38	37	35	35	88	
238	73	39	37	37	35	34	87	
239	73	58	38	36	35	35	87	
240	74	16	36	36	39	37	89	
241	74	35	38	37	35	35	86	
242	74	54	38	37	35	35	87	
243	75	12	36	36	38	36	87	
244	75	31	36	38	36	36	86	
245	75	50	38	37	35	36	86	

1209

4-06 -PLT DSHD SIDE PER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
38	36	35	87	99	68	109	110	115
38	37	37	87	99	68	108	111	114
36	38	36	87	99	68	108	110	113
38	35	35	87	99	66	109	111	114
37	39	37	88	98	67	109	110	115
36	38	37	88	99	67	108	110	113
37	36	36	87	100	67	108	110	113
37	39	38	88	99	67	108	110	114
37	36	35	87	99	67	109	111	113
37	40	38	87	100	68	108	111	113
38	35	35	87	99	67	109	111	113
38	35	36	87	99	67	108	110	113
36	40	38	87	99	68	108	110	113
37	36	35	87	99	68	108	110	113
38	36	36	86	99	67	108	110	113
38	36	35	88	99	67	108	110	114
38	37	37	87	99	68	108	110	114
37	38	36	86	99	68	109	110	113
38	39	36	87	99	67	108	111	113
37	36	35	87	99	68	107	110	113
37	38	38	87	99	68	108	110	113
37	37	35	86	99	68	108	109	113
38	36	36	87	100	67	107	110	114
37	39	37	87	99	68	108	110	113
38	35	35	88	101	67	108	110	113
38	36	36	87	99	68	108	110	114
36	38	36	87	100	67	107	109	113
37	39	38	88	99	68	108	110	113
36	39	36	87	99	68	108	110	114
38	36	37	87	100	67	107	110	114
38	39	37	88	99	68	108	110	113
37	39	36	88	99	68	106	110	113
37	38	36	87	99	68	107	111	112
37	39	36	87	99	69	107	109	113
38	36	35	88	99	68	106	109	113
38	37	37	88	100	68	106	108	112
36	39	37	88	100	69	107	109	112
36	38	35	87	99	68	107	109	112
36	39	37	88	100	70	107	108	112
38	36	36	88	100	69	107	109	113
38	36	36	88	100	68	106	109	113
37	35	35	88	100	68	107	109	113
37	35	34	87	100	68	106	109	113
36	35	35	87	99	68	107	109	113
36	39	37	89	100	69	107	109	112
37	35	35	86	100	69	107	108	113
37	35	35	87	99	68	107	108	113
36	38	36	87	99	68	107	108	112
38	36	36	86	99	68	106	108	112
37	35	36	86	99	67	107	108	113

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C
246	76	8	36	36	38	37	85	99
247	76	27	37	37	38	37	86	99
248	76	45	37	38	35	35	86	99
249	77	4	36	35	38	35	86	98
250	77	23	38	38	36	37	87	98
251	77	41	36	38	36	36	88	99
252	78	0	37	37	35	35	87	98
253	78	19	37	37	35	35	86	98
254	78	37	36	36	38	36	86	99
255	78	56	37	36	38	38	88	99
256	79	15	37	37	34	36	87	99
257	79	33	36	36	37	37	86	99
258	79	52	37	36	38	38	86	99
259	80	10	38	37	36	36	86	99
260	80	29	38	38	36	36	86	99
261	80	48	37	37	38	38	86	99
262	81	6	37	36	35	35	86	99
263	81	25	38	37	35	36	87	99
264	81	44	36	36	38	35	86	98
265	82	2	38	37	35	34	86	98
266	82	21	36	36	38	38	87	98
267	82	40	36	36	38	36	86	98
268	82	58	36	37	37	37	86	99
269	83	17	36	36	34	36	87	99
270	83	35	37	36	34	36	86	98
271	83	54	38	37	36	36	88	99
272	84	13	38	36	36	35	88	100
273	84	31	38	38	36	36	86	100
274	84	50	38	37	35	36	86	99
275	85	9	38	37	36	36	87	99
276	85	27	36	36	36	35	88	99
277	85	46	38	37	38	38	86	99
278	86	5	37	36	39	37	86	99
279	86	23	36	38	35	35	85	99
280	86	42	36	38	36	35	85	99
281	87	1	38	36	39	38	86	99
282	87	19	37	36	39	38	86	99
283	87	38	38	37	36	36	86	99
284	87	57	36	36	38	36	86	98
285	88	15	36	37	39	37	86	99
286	88	34	38	38	35	35	86	99
287	88	53	36	36	39	37	86	99
288	89	11	37	38	37	37	86	98
289	89	30	38	38	35	36	86	98
290	89	49	37	37	39	38	86	99
291	90	7	38	37	36	35	85	98
292	90	25	37	36	38	37	86	98
293	90	44	37	36	38	36	86	98
294	91	3	37	37	38	37	86	98
295	91	22	38	37	35	35		98

1210

4-06 -PLT SHD SIDE PPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
36	38	37	88	99	68	107	109	113
37	38	37	86	99	68	106	108	112
38	35	35	86	99	68	107	109	112
35	38	35	86	98	67	105	109	112
38	36	37	87	98	67	106	109	112
38	36	36	88	99	67	106	108	112
37	35	35	87	98	67	106	108	112
37	35	35	86	98	69	107	109	113
36	38	36	86	99	68	107	108	113
36	38	38	88	99	68	107	108	112
37	34	36	87	99	67	106	108	112
36	37	37	86	99	67	107	109	112
36	38	38	86	99	68	106	108	112
37	36	36	86	99	67	106	108	112
38	36	36	86	99	68	107	108	113
37	38	38	86	99	67	107	109	113
36	35	35	86	99	67	106	108	112
37	35	36	87	99	67	106	108	112
36	38	35	86	98	67	108	108	113
37	35	34	86	98	66	107	109	113
36	38	38	87	98	68	106	108	113
36	38	36	86	98	68	106	108	112
37	37	37	86	99	68	106	108	112
36	34	36	87	99	67	106	108	112
36	34	36	86	98	68	105	108	112
37	36	36	88	99	68	105	109	112
36	36	35	88	100	69	106	109	112
38	36	36	86	100	69	105	109	113
37	35	36	86	99	68	106	109	112
37	36	36	87	99	68	106	109	112
38	36	35	88	99	67	104	107	111
37	38	38	86	99	67	106	107	111
36	39	37	86	99	68	105	107	112
38	35	35	85	99	67	105	107	111
38	36	35	85	99	68	106	107	111
36	39	38	86	99	67	106	108	111
36	39	38	86	99	68	106	108	112
37	36	36	86	99	68	106	107	111
36	38	36	86	98	68	106	108	112
37	39	37	86	99	68	105	108	112
38	35	35	86	99	67	106	107	111
36	39	37	86	99	68	106	108	112
38	37	37	86	98	67	104	107	112
38	35	36	86	98	67	104	107	111
37	39	38	86	99	67	106	108	111
37	36	35	85	98	66	106	108	112
36	38	37	86	98	66	106	108	112
36	38	36	86	98	66	106	108	112
37	38	37	86	98	66	106	108	110
37	35	35		98	66	106	108	111

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1S OU DI
296	91	40	38	38	36	36	87	
297	91	59	37	38	39	38	87	
298	92	18	38	36	38	35	86	
299	92	36	38	38	37	38	87	
300	92	55	38	38	35	35	87	
301	93	14	37	38	36	36	87	
302	93	32	36	38	38	36	87	
303	93	51	37	37	38	37	88	
304	94	10	35	38	39	36	88	
305	94	28	36	37	38	36	89	
306	94	47	37	36	37	36	89	
307	95	6	36	36	37	35	89	
308	95	24	36	37	38	35	90	
309	95	43	37	36	36	36	90	
310	96	2	37	36	37	36	90	
311	96	20	36	36	36	35	90	
312	96	39	36	36	37	36	89	
313	96	58	37	36	36	36	89	
314	*	*	*	*	*	*	*	

4-06 -PLT DSHD SIDE PPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
38	36	36	87	98	67	106	108	112
38	39	38	87	99	67	106	108	111
36	38	35	86	99	66	106	108	112
38	37	38	87	98	68	105	110	111
38	35	35	87	97	68	104	108	112
38	36	36	87	99	69	105	108	110
38	38	36	87	100	69	106	108	111
37	38	37	88	98	71	105	109	111
38	39	36	88	97	71	106	110	112
37	38	36	89	96	70	108	111	113
36	37	36	89	96	71	108	112	113
36	37	35	89	97	71	108	113	116
37	38	35	90	97	71	109	114	113
36	36	36	90	96	72	110	117	111
36	37	36	90	97	72	111	118	111
36	36	35	90	95	73	113	117	111
36	37	36	89	94	73	114	115	110
36	36	36	89	93	72	113	113	109
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	RC RU U J C
1	0	9	46	46	45	45	48	
2	0	28	46	46	45	45	48	
3	0	47	46	46	46	45	48	
4	1	5	46	46	45	45	48	
5	1	24	46	46	45	45	48	
6	1	42	46	46	45	45	48	
7	2	1	46	46	45	45	48	
8	2	20	46	46	45	45	47	
9	2	38	46	46	45	45	48	
10	2	57	46	46	45	45	48	
11	3	15	46	46	45	45	48	
12	3	34	46	46	45	45	48	
13	3	52	46	46	45	45	48	
14	4	11	46	46	46	46	48	
15	4	30	46	46	45	45	48	
16	4	48	46	46	45	45	48	
17	5	7	46	46	45	45	48	
18	5	25	46	46	45	45	48	
19	5	44	46	46	45	45	48	
20	6	3	46	45	49	46	48	
21	6	21	46	46	51	49	48	
22	6	40	46	46	51	49	48	
23	6	58	51	46	51	48	48	
24	7	17	53	48	52	49	48	
25	7	36	56	48	54	48	48	
26	7	54	58	49	55	48	48	
27	8	13	59	49	55	48	48	
28	8	31	61	50	56	48	48	
29	8	50	64	50	57	48	48	
30	9	9	66	50	58	49	48	
31	9	27	68	51	58	49	48	
32	9	46	70	52	59	48	46	
33	10	4	72	53	60	50	48	
34	10	23	73	53	61	49	48	
35	10	42	75	54	61	49	47	
36	11	0	76	55	62	49	48	
37	11	19	77	55	63	50	48	
38	11	37	78	56	63	49	48	
39	11	56	80	56	64	50	48	
40	12	15	78	55	66	50	48	
41	12	33	80	55	62	51	48	
42	12	52	82	56	63	51	48	
43	13	10	82	57	64	51	48	
44	13	29	83	57	65	51		
45	13	48	85	60	64	52		

1212

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
46	45	45	48	48	46	46	45	45
46	45	45	48	48	45	45	45	45
46	46	45	48	48	45	45	45	45
46	45	45	48	48	45	45	45	45
46	45	45	48	48	45	45	45	45
46	45	45	48	48	45	45	45	45
46	45	45	48	47	46	45	45	45
46	45	45	47	48	45	45	45	45
46	45	45	48	48	45	45	45	45
46	45	45	48	48	46	45	45	45
46	45	45	48	48	46	45	45	45
46	45	45	48	48	45	45	45	45
46	45	45	48	48	46	45	45	45
46	45	45	48	48	46	45	45	45
46	46	46	48	48	45	46	45	45
46	45	45	48	48	46	45	45	45
46	45	45	48	48	45	45	45	45
46	45	45	48	48	46	45	45	45
46	45	45	48	48	45	45	45	45
46	45	45	48	48	45	45	48	45
45	49	46	48	48	45	46	54	46
46	51	49	48	48	45	45	58	48
46	51	49	48	48	46	46	61	49
46	51	48	48	48	46	45	64	49
48	52	49	48	48	46	47	66	51
48	54	48	48	48	46	45	67	51
49	55	48	48	48	46	46	70	51
49	55	48	48	48	46	48	71	53
50	56	48	48	48	46	48	72	53
50	57	48	48	49	46	48	74	54
50	58	49	48	49	46	48	75	54
51	58	49	48	49	46	48	75	54
52	59	48	46	50	46	48	76	55
53	60	50	48	50	48	49	77	55
53	61	49	48	51	48	49	77	55
54	61	49	47	51	47	50	78	56
55	62	49	48	50	48	51	78	56
55	63	50	48	51	49	51	79	56
58	63	49	48	51	49	51	79	56
56	64	50	48	52	49	52	75	58
55	65	50	48	55	49	53	64	59
55	62	51	48	54	50	54	72	59
56	63	51	48	55	49	54	77	59
57	64	51	48	56	50	58	75	62
57	65	51		54	53	56	71	63
	64	62		56	57			

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	RC RU U I D
46	14	6	86	61	65	52	48	
47	14	25	87	63	67	52	48	
48	14	43	85	63	67	52	49	
49	15	2	87	64	68	53	48	
50	15	21	90	65	69	52	49	
51	15	39	90	66	70	52	49	
52	15	58	91	67	71	53	49	
53	16	16	92	68	72	53	48	
54	16	35	93	70	74	54	49	
55	16	54	94	71	75	55	50	
56	17	12	93	71	76	55	50	
57	17	31	94	72	76	55	49	
58	17	49	95	73	76	54	49	
59	18	8	97	73	78	54	49	
60	18	27	97	73	78	55	49	
61	18	45	98	75	78	55	49	
62	19	4	98	75	79	55	50	
63	19	22	100	77	81	56	49	
64	19	41	99	78	82	56	49	
65	20	0	101	79	84	57	50	
66	20	18	101	81	85	57	49	
67	20	37	102	82	85	57	49	
68	20	55	102	82	86	57	49	
69	21	14	103	82	87	59	50	
70	21	33	103	82	87	59	50	
71	21	51	105	82	87	58	49	
72	22	10	105	82	86	59	49	
73	22	28	106	83	88	59	50	
74	22	47	106	83	88	59	49	
75	23	6	107	83	88	60	50	
76	23	24	108	84	88	60	49	
77	23	43	108	85	89	61	50	
78	24	1	109	86	90	62	49	
79	24	20	108	85	89	62	49	
80	23	19	108	85	89	62	49	
81	24	57	108	84	88	62	49	
82	25	16	105	85	88	64	49	
83	25	34	109	82	88	65	50	
84	25	53	106	82	87	64	48	
85	26	11	106	82	87	64	49	
86	26	30	106	82	86	65	49	
87	26	49	105	82	86	65	49	
88	27	7	105	81	86	65	48	
89	27	26	104	80	86	65	49	
90	27	44	104	82	86	66	49	
91	28	3	105	84	87	66	51	
92	28	22	104	85	88	66	50	
93	28	40	104	84	88	66	49	
94	28	59	104	83	88	66	50	
95	29	17	104	83	88	66	50	

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
61	65	52	48	55	59	55	73	64
63	67	52	48	58	61	57	70	63
63	67	52	49	58	62	56	73	64
64	68	53	48	57	63	56	76	66
65	69	52	49	57	63	56	78	68
66	70	52	49	58	64	56	78	68
67	71	53	49	57	65	57	80	69
68	72	53	48	56	67	56	81	70
70	74	54	49	58	68	56	81	71
71	75	55	50	58	69	57	83	72
71	76	55	50	57	70	58	84	72
72	76	55	49	56	71	58	85	73
73	76	54	49	56	72	59	85	74
73	78	54	49	56	72	58	85	75
73	78	55	49	56	73	59	86	75
75	78	55	49	58	73	64	90	76
75	79	55	50	56	74	63	96	80
77	81	56	49	56	75	62	92	80
78	82	56	49	56	76	66	97	79
79	84	57	50	57	76	65	102	84
81	85	57	49	58	78	64	97	85
82	85	57	49	57	80	65	95	81
82	86	57	49	58	81	66	95	82
82	87	59	50	59	81	66	96	82
82	87	59	50	59	82	66	96	82
82	87	58	49	59	82	67	95	83
82	86	59	49	59	82	66	96	83
83	88	59	50	59	82	67	96	83
83	88	59	49	59	84	68	96	84
83	88	60	50	59	83	68	96	84
84	88	60	49	60	84	72	105	86
85	89	61	50	59	85	70	107	90
86	90	62	49	60	86	71	100	87
85	89	62	49	59	85	71	99	86
85	89	62	49	59	85	70	98	85
84	88	62	49	58	86	70	98	85
85	88	64	49	59	85	71	98	85
82	88	65	50	58	85	71	98	85
82	87	64	48	58	85	70	97	83
82	87	64	49	56	83	71	96	82
82	86	65	49	57	84	71	96	83
82	86	65	49	56	83	71	96	82
81	86	65	48	56	83	71	95	82
80	86	65	49	55	82	74	103	82
82	86	66	49	55	82	73	109	88
84	87	66	51	55	82	72	100	86
85	88	66	50	56	83	72	98	85
84	88	66	49	55	84	72	97	85
83	88	66	50	55	84	72	97	85
83	88	66	50	54	83	72	97	84

2

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
96	29	36	103	83	88	67	50
97	29	55	104	85	88	67	50
98	30	13	105	83	88	67	50
99	30	32	102	84	88	67	51
100	30	50	103	84	89	68	51
101	31	9	105	85	89	68	51
102	31	28	106	86	90	68	51
103	31	46	105	86	90	69	51
104	32	5	106	86	90	70	52
105	32	23	105	86	91	69	52
106	32	42	105	87	90	70	52
107	33	0	105	88	92	70	52
108	33	19	105	88	92	70	54
109	33	38	105	88	92	71	51
110	33	56	106	88	92	71	52
111	34	15	106	88	92	71	51
112	34	33	107	88	93	70	52
113	34	52	107	89	94	71	53
114	35	11	107	89	93	71	52
115	35	29	108	89	93	72	53
116	35	48	108	90	94	72	53
117	36	6	109	90	94	72	54
118	36	25	109	90	94	73	54
119	36	43	109	91	95	73	54
120	37	2	110	90	95	73	54
121	37	21	110	91	95	73	54
122	37	39	110	91	95	74	53
123	37	58	111	91	95	74	54
124	38	16	111	92	96	73	54
125	38	35	111	92	96	75	55
126	38	54	111	91	96	74	55
127	39	12	112	92	96	75	56
128	39	31	112	91	96	76	55
129	39	50	112	92	96	75	56
130	40	8	112	92	96	75	56
131	40	27	113	92	96	76	55
132	40	45	112	92	96	76	56
133	41	4	112	92	96	76	56
134	41	23	113	92	96	77	55
135	41	41	111	92	96	77	56
136	42	0	112	92	96	77	56
137	42	18	112	92	96	77	55
138	42	37	112	92	96	78	55
139	42	56	113	93	96	77	56
140	43	14	113	92	96	78	56
141	43	33	113	92	97	78	56
142	43	51	114	92	97	79	56
143	44	10	114	92	97	78	57
144	44	29	114	92	97	79	56
145	44	47	113	93	97	79	

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
83	88	67	50	54	83	72	96	83
85	88	67	50	55	83	73	97	85
83	88	67	50	55	84	73	96	85
84	88	67	51	54	81	72	96	84
84	89	68	51	55	84	73	97	85
85	89	68	51	55	84	73	97	86
86	90	68	51	55	85	74	97	86
86	90	69	51	55	85	75	98	87
86	90	70	52	55	86	74	98	87
86	91	69	52	56	86	74	99	87
87	90	70	52	55	86	74	99	86
88	92	70	52	56	87	75	99	87
88	92	70	54	56	86	75	100	87
88	92	71	51	56	87	75	100	88
88	92	71	52	55	88	75	99	88
88	92	71	51	55	89	75	100	88
88	93	70	52	56	88	76	99	89
89	94	71	53	56	89	76	101	89
89	93	71	52	56	89	76	102	89
89	93	72	53	56	89	76	101	89
90	94	72	53	57	89	76	101	90
90	94	72	54	55	89	77	102	90
90	94	73	54	57	90	77	101	90
91	95	73	54	57	91	78	102	91
90	95	73	54	58	91	77	102	91
91	95	73	54	57	90	78	102	92
91	95	74	53	57	91	78	102	91
91	95	74	54	58	91	78	102	92
92	96	73	54	58	92	79	102	92
92	96	75	55	58	92	79	103	91
91	96	74	55	58	92	79	104	91
92	96	75	56	58	91	79	104	92
91	96	76	55	59	92	79	103	91
92	96	75	56	59	91	79	104	91
92	96	75	56	59	92	79	103	92
92	96	76	55	59	93	80	103	93
92	96	76	56	58	92	80	103	92
92	96	76	56	59	92	80	105	92
92	96	77	55	59	93	80	103	93
92	96	77	56	58	92	80	104	92
92	96	77	56	59	92	81	104	93
92	96	77	55	58	92	80	104	92
92	96	78	55	59	92	80	104	92
93	96	77	56	59	93	81	104	92
92	96	78	56	59	92	81	104	92
92	97	78	56	59	93	81	105	92
92	97	79	56	59	93	81	104	92
92	97	78	57	59	93	82	105	92
92	97	79	56	59	93	82	104	93
93	97	79		59	93	82	104	92

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	RO RU U I D
146	45	6	115	93	98	79	56	
147	45	24	114	93	97	80	55	
148	45	43	114	93	97	80	55	
149	46	2	115	92	98	81	57	
150	46	20	115	96	98	81	55	
151	46	39	115	94	97	81	56	
152	46	58	115	93	98	81	56	
153	47	16	114	93	98	82	57	
154	47	35	115	94	99	81	56	
155	47	53	114	93	98	81	55	
156	48	12	115	94	99	82	57	
157	48	31	116	94	99	82	56	
158	48	49	115	93	98	81	56	
159	49	8	115	93	98	81	56	
160	49	27	114	93	97	81	57	
161	49	45	113	93	97	82	57	
162	50	4	113	92	96	81	56	
163	50	22	113	92	96	82	56	
164	50	41	112	91	96	81	56	
165	51	0	113	90	96	81	55	
166	51	18	114	90	96	81	56	
167	51	37	114	90	96	81	55	
168	51	56	114	90	95	81	55	
169	52	14	114	89	95	80	55	
170	52	33	115	89	94	81	55	
171	52	51	115	88	94	81	55	
172	53	10	113	88	93	81	55	
173	53	29	114	89	93	81	55	
174	53	47	114	89	93	80	55	
175	54	6	113	88	92	80	55	
176	54	25	112	86	92	81	55	
177	54	43	112	88	92	80	55	
178	55	2	112	86	92	79	55	
179	55	20	113	86	92	79	55	
180	55	39	112	85	91	79	54	
181	55	58	112	86	91	79	55	
182	56	16	112	86	92	79	54	
183	56	35	112	86	91	78	54	
184	56	54	111	87	91	79	55	
185	57	12	111	87	91	79	54	
186	57	31	112	87	91	78	55	
187	57	49	112	85	91	78	54	
188	58	8	112	86	91	78	55	
189	58	27	112	86	90	78	54	
190	58	45	112	86	90	78	54	
191	59	4	112	86	91	78	54	
192	59	23	112	86	90	78	54	
193	59	41	112	86	90	78	54	
194	60	0	112	86	91	78	54	
195	60	18	112	86	90	78	54	

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4-17 TIL. PUMP NLET HYD. TEMP EG.C	4-18 UTIL. PUMP OUTLET HYD. TENP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
93	98	79	56	59	93	82	105	93
93	97	80	55	59	93	81	105	92
93	97	80	55	59	93	81	105	93
92	98	81	57	60	94	83	105	93
96	98	81	55	59	93	81	105	93
94	97	81	56	59	94	82	105	93
93	98	81	56	59	94	82	106	93
93	98	82	57	60	94	82	106	94
94	99	81	56	59	94	82	105	93
93	98	81	55	60	94	83	105	93
94	99	82	57	60	95	83	106	94
94	99	82	56	60	94	83	105	93
93	98	81	56	59	93	83	106	93
93	98	81	56	59	95	82	105	94
93	97	81	57	59	94	82	105	92
93	97	82	57	59	94	82	105	91
92	96	81	56	58	93	82	105	92
92	96	82	56	59	93	81	104	91
91	96	81	56	59	92	82	104	90
90	96	81	55	58	92	81	103	91
90	96	81	56	58	92	81	103	90
90	96	81	55	58	92	81	103	90
90	95	81	55	58	92	80	103	89
89	95	80	55	57	92	80	102	89
89	94	81	55	57	91	80	102	88
88	94	81	55	56	91	79	102	88
88	93	81	55	56	90	79	102	87
89	93	81	55	57	91	79	102	89
89	93	80	55	57	89	78	101	88
88	92	80	55	58	89	79	101	88
86	92	81	55	57	89	78	101	88
88	92	80	55	56	88	79	100	86
86	92	79	55	56	89	78	100	87
86	92	79	55	56	88	77	100	85
85	91	79	54	56	88	77	99	86
86	91	79	55	56	88	77	100	87
86	92	79	54	56	88	77	100	87
86	91	78	54	57	88	77	99	86
87	91	79	55	56	88	77	99	85
87	91	79	54	56	88	76	99	86
87	91	78	55	56	87	77	98	86
85	91	78	54	56	87	75	98	86
86	91	78	55	56	87	76	98	85
86	90	78	54	56	88	76	98	85
86	90	78	54	56	87	75	99	86
86	91	78	54	56	86	75	99	85
86	90	78	54	56	87	76	98	85
86	90	78	54	56	87	75	98	86
86	91	78	54	57	86	75	98	85
			54	56	86	75	98	86

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
196	60	37	112	86	91	78	54
197	60	56	112	85	91	77	54
198	61	14	110	86	90	77	54
199	61	33	110	85	90	78	55
200	61	52	110	85	90	77	54
201	62	10	110	85	90	76	54
202	62	29	110	85	89	76	54
203	62	47	110	85	89	76	54
204	63	6	111	85	89	76	54
205	63	25	110	86	90	76	53
206	63	43	110	85	89	76	54
207	64	2	110	88	90	76	54
208	64	21	110	85	90	76	54
209	64	39	109	85	90	76	54
210	64	58	111	85	89	76	53
211	65	16	110	85	89	76	54
212	65	35	110	85	90	76	54
213	65	54	110	85	90	76	54
214	66	12	110	84	90	76	54
215	66	31	110	85	90	76	54
216	66	49	109	35	90	75	54
217	67	8	110	84	89	75	54
218	67	27	110	86	89	76	54
219	67	45	110	86	90	75	55
220	68	4	111	85	90	76	55
221	68	23	110	85	89	75	54
222	68	41	110	85	90	76	54
223	69	0	111	85	89	75	54
224	69	18	112	85	89	75	54
225	69	37	110	85	89	75	54
226	69	56	110	85	90	75	54
227	70	14	110	83	89	75	54
228	70	33	109	84	89	75	54
229	70	52	108	85	90	76	53
230	71	10	109	85	89	75	54
231	71	29	110	85	90	76	54
232	71	47	109	35	89	75	53
233	72	6	110	85	89	75	53
234	72	25	109	85	89	75	54
235	72	43	110	85	89	76	53
236	73	2	110	85	89	75	54
237	73	21	110	85	38	75	54
238	73	39	109	84	89	75	53
239	73	58	110	85	89	75	53
240	74	16	110	85	89	75	54
241	74	35	109	85	89	75	54
242	74	54	109	84	89	75	54
243	75	12	110	83	89	76	53
244	75	31	110	84	89	75	53
245	75	50	110	85	89	76	

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
86	91	78	54	55	86	75	98	85
85	91	77	54	55	86	74	98	85
86	90	77	54	55	87	73	98	85
85	90	78	55	56	86	75	98	85
85	90	77	54	56	86	74	98	84
85	90	76	54	55	85	73	99	85
85	89	76	54	56	85	74	97	85
85	89	76	54	56	86	73	97	85
85	89	76	54	56	86	74	97	85
85	89	76	53	56	86	73	98	85
86	90	76	54	56	85	73	98	85
85	89	76	54	55	85	73	98	85
88	90	76	54	55	86	73	97	85
85	90	76	54	56	85	73	97	85
85	90	76	53	55	85	73	97	84
85	89	76	54	56	86	74	97	85
85	90	76	54	55	85	73	98	84
85	90	76	54	56	86	73	97	84
84	90	75	54	56	85	73	98	86
85	90	76	54	56	85	73	97	85
85	90	75	54	55	85	74	97	84
84	89	75	54	56	85	72	98	85
86	89	76	54	56	86	73	97	85
86	90	75	55	56	86	73	98	85
85	90	76	55	55	85	73	98	85
85	89	75	54	56	86	73	97	84
85	90	76	54	55	85	73	98	85
85	89	75	54	55	85	73	97	85
85	89	75	54	56	85	73	97	85
85	89	75	54	55	85	73	96	84
85	90	75	54	55	85	73	96	85
83	89	75	54	55	85	74	97	85
84	89	75	54	55	86	73	97	85
85	90	76	53	55	85	73	97	85
85	89	75	54	55	85	73	99	85
85	90	76	54	55	85	73	97	85
85	89	75	53	55	85	73	97	84
85	89	75	53	54	85	73	97	83
85	89	75	54	55	86	73	97	85
85	89	76	53	55	85	72	96	84
85	89	75	54	54	86	73	97	85
85	88	75	54	55	85	73	98	84
84	89	75	53	54	85	73	97	85
85	89	75	53	55	85	72	97	85
85	89	75	54	54	85	72	97	85
85	89	75	54	54	85	72	97	83
84	89	75	54	54	85	72	97	85
83	89	76	53	55	85	72	97	85
84	89	75	53	54	85	72	97	84
85	89	76		54	85	72	97	84

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
246	76	8	110	85	89	75	53
247	76	27	109	84	90	75	52
248	76	45	109	85	89	76	52
249	77	4	109	85	89	75	52
250	77	23	108	85	89	75	53
251	77	41	109	83	89	75	52
252	78	0	109	85	89	75	52
253	78	19	108	85	88	74	53
254	78	37	109	84	89	75	52
255	78	56	109	85	88	75	53
256	79	15	109	85	89	75	52
257	79	33	109	85	88	75	52
258	79	52	108	85	89	75	54
259	80	10	108	85	89	74	53
260	80	29	109	84	89	74	53
261	80	48	109	85	89	74	53
262	81	6	109	84	88	75	53
263	81	25	109	85	89	75	54
264	81	44	109	85	88	75	52
265	82	2	109	84	89	74	52
266	82	21	108	85	88	75	53
267	82	40	108	84	89	75	53
268	82	58	109	85	89	74	54
269	83	17	108	84	89	75	54
270	83	35	108	84	88	75	53
271	83	54	109	85	89	75	53
272	84	13	108	85	89	75	54
273	84	31	108	85	90	75	54
274	84	50	109	85	89	75	54
275	85	9	109	85	89	75	54
276	85	27	109	83	88	75	52
277	85	46	109	85	89	75	52
278	86	5	108	85	88	75	52
279	86	23	109	84	89	74	52
280	86	42	109	85	88	75	53
281	87	1	109	85	89	73	53
282	87	19	109	85	89	74	53
283	87	38	110	85	89	74	53
284	87	57	109	85	88	74	53
285	88	15	109	85	89	74	52
286	88	34	109	85	88	73	52
287	88	53	110	85	89	73	53
288	89	11	108	84	89	73	54
289	89	30	108	84	89	73	52
290	89	49	109	85	89	74	54
291	90	7	109	85	88	74	54
292	90	26	108	85	88	74	54
293	90	44	108	85	89	73	54
294	91	3	109	84	89	74	53
295	91	22	109	85	89	74	54

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4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
85	89	75	53	54	85	71	98	84
84	90	75	52	54	85	72	96	84
85	89	76	52	54	85	71	97	85
85	89	75	52	54	85	71	97	84
85	89	75	53	54	85	71	97	83
83	89	75	52	54	85	72	97	84
85	89	75	52	54	85	71	97	85
85	88	74	53	54	85	72	97	84
84	89	75	52	54	85	71	97	84
85	88	75	53	54	85	71	97	84
85	89	75	52	54	84	71	96	84
85	88	75	52	54	85	71	97	83
85	89	75	54	53	85	72	96	85
85	89	74	53	53	85	71	96	84
84	89	74	53	54	85	72	96	85
85	89	74	53	54	85	72	97	85
84	88	75	53	53	85	71	96	85
85	89	75	54	52	85	71	97	84
85	88	75	52	53	84	72	97	83
84	89	74	52	54	85	72	96	83
85	88	75	53	54	85	72	96	83
84	89	75	53	54	84	71	96	83
85	89	74	54	53	85	72	96	84
84	89	75	54	54	84	71	97	83
84	88	75	53	54	85	72	96	85
85	89	75	53	53	85	72	97	85
85	89	75	54	54	85	73	98	85
85	90	75	54	54	86	72	98	85
85	89	75	54	54	86	72	98	84
85	89	75	54	54	85	72	97	85
83	88	75	52	54	85	72	97	85
85	89	75	52	54	85	72	97	85
85	88	75	52	54	85	71	98	84
84	89	74	52	53	85	72	97	85
85	88	75	53	54	85	72	97	85
85	89	73	53	53	85	71	96	84
85	89	74	53	53	85	72	97	85
85	89	74	53	54	85	72	98	85
85	88	74	53	54	85	72	96	84
85	89	74	52	53	85	72	97	85
85	88	73	52	54	85	72	97	84
85	89	73	53	54	85	72	97	83
84	89	73	54	54	84	72	96	85
84	89	73	52	53	84	72	96	84
85	89	74	54	54	85	71	96	84
85	88	74	54	53	85	71	96	84
85	88	74	54	54	85	72	97	84
85	89	73	54	53	84	72	96	85
84	89	74	53	53	85	72	97	84
85	89	74	54	53	84	72	96	83

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
296	91	40	109	85	88	73	54
297	91	59	108	85	89	73	54
298	92	18	109	85	89	73	54
299	92	36	109	85	89	75	54
300	92	55	108	85	89	73	54
301	93	14	108	85	89	73	54
302	93	32	107	82	86	73	53
303	93	51	108	84	87	73	53
304	94	10	109	85	88	74	54
305	94	28	110	85	89	74	54
306	94	47	111	86	90	75	55
307	95	6	112	86	91	76	54
308	95	24	107	87	91	75	54
309	95	43	104	88	92	75	55
310	96	2	102	88	92	76	56
311	96	20	100	88	91	76	56
312	96	39	99	88	90	76	57
313	96	58	98	87	89	76	57
314	*	*	*	*	*	*	*

8121

4-17 UTIL. PUMP INLET HYD. TEMP EG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
85	88	73	54	53	85	72	97	84
85	89	73	54	53	85	72	98	83
85	89	73	54	54	85	72	97	86
85	89	75	54	52	85	72	96	85
85	89	73	54	54	85	72	97	86
85	89	73	54	54	86	72	98	86
82	86	73	53	54	84	73	96	86
84	87	73	53	54	84	73	95	86
85	88	74	54	55	84	73	96	85
85	89	74	54	55	85	74	97	85
86	90	75	55	56	86	73	98	86
86	91	76	54	56	86	73	98	87
87	91	75	54	57	86	73	99	88
88	92	75	55	57	86	73	99	88
88	92	76	56	58	85	73	100	89
88	91	76	56	59	82	73	95	86
88	90	76	57	59	83	74	93	86
87	89	76	57	59	83	74	92	88
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
1	0	12	46	46	46	46	45
2	0	30	46	46	46	46	45
3	0	49	46	45	46	46	45
4	1	7	*	45	46	45	45
5	1	26	46	45	45	45	46
6	1	45	46	46	46	45	45
7	2	3	46	46	46	45	45
8	2	22	46	46	46	45	45
9	2	40	46	45	46	45	45
10	2	59	46	46	46	46	46
11	3	17	46	46	46	45	45
12	3	36	46	45	46	46	45
13	3	55	47	46	46	46	46
14	4	13	47	46	46	46	45
15	4	32	46	46	46	46	46
16	4	50	46	46	46	46	45
17	5	9	46	46	46	45	45
18	5	27	46	45	46	45	46
19	5	46	46	46	46	45	46
20	6	5	45	46	46	46	45
21	6	23	46	46	46	45	46
22	6	42	46	46	46	45	45
23	7	0	47	46	46	47	46
24	7	19	46	46	46	45	46
25	7	38	47	46	46	46	47
26	7	56	46	45	46	45	46
27	8	15	46	45	46	45	46
28	8	34	47	45	46	45	45
29	8	52	46	46	45	46	46
30	9	11	46	45	45	46	45
31	9	29	46	46	45	45	46
32	9	48	46	46	46	46	45
33	10	7	46	47	46	46	45
34	10	25	46	46	46	46	46
35	10	44	46	46	45	46	46
36	11	2	46	45	46	46	46
37	11	21	46	46	46	45	46
38	11	40	46	46	46	46	46
39	11	58	46	46	46	45	46
40	12	17	46	46	46	45	46
41	12	35	47	46	46	45	46
42	12	54	46	46	46	46	46
43	13	9	46	45	46	45	46
44	13	31	46	45	46	46	46
45	13	50	46	45	46	45	46

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

5-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
LER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
LET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
46	46	46	45	46	46	46	46	46
46	46	46	45	45	46	46	45	46
45	46	46	45	46	46	46	45	46
45	46	45	45	45	46	46	45	46
45	45	45	46	45	46	46	46	46
46	46	45	45	45	46	46	45	46
46	46	45	45	45	45	46	46	46
46	46	45	45	45	46	45	45	46
45	46	45	45	45	46	46	45	46
46	46	46	46	45	46	46	46	46
46	46	45	45	45	45	46	45	46
45	46	46	45	46	46	46	45	46
46	46	46	46	46	46	46	46	46
46	46	46	45	46	46	46	46	46
46	46	46	46	45	46	46	46	46
46	46	46	45	46	46	46	46	46
46	46	45	45	46	45	46	45	46
45	46	45	46	46	46	46	45	46
46	46	45	46	45	45	45	45	46
46	46	46	45	45	46	46	46	46
46	46	45	46	45	46	46	46	46
46	46	45	45	45	46	46	45	46
46	46	47	46	46	45	47	45	46
46	46	45	46	46	46	46	46	46
46	46	46	47	45	46	46	46	46
45	46	45	46	45	45	47	45	46
45	46	45	46	46	45	46	46	46
45	46	45	45	46	46	46	45	46
46	45	46	46	46	45	46	46	46
45	45	46	45	45	46	45	45	46
46	45	45	46	45	46	45	45	46
46	46	46	45	46	46	46	46	46
47	46	46	45	45	46	46	46	47
46	46	46	46	45	45	45	46	46
46	45	46	46	46	46	46	46	45
45	46	46	46	46	45	45	45	45
46	46	45	46	46	46	45	46	46
46	46	46	46	46	45	46	46	46
46	46	45	46	46	45	46	46	46
46	46	45	46	46	45	45	45	46
46	46	45	46	46	46	46	45	46
46	46	46	46	45	46	46	46	46
45	46	45	46	45	46	45	45	46
45	46	46	46	46	45	46	45	46
45	46	45	46	45	46	46	45	46

2

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
46	14	8	46	45	46	46	46
47	14	27	46	45	46	45	46
48	14	45	46	45	46	46	46
49	15	4	47	46	47	45	46
50	15	23	48	46	46	45	46
51	15	41	46	46	47	45	46
52	16	0	46	46	47	45	47
53	16	18	47	46	46	45	46
54	16	37	46	46	46	46	46
55	16	56	47	46	46	46	46
56	17	14	47	46	46	46	47
57	17	33	46	46	47	45	46
58	17	52	46	46	46	46	46
59	18	10	46	46	46	46	46
60	18	29	46	46	46	46	46
61	18	47	46	47	46	45	46
62	19	6	46	49	47	45	47
63	19	24	47	49	48	46	46
64	19	43	46	49	49	46	46
65	20	2	47	49	49	46	46
66	20	20	48	49	49	45	47
67	20	39	47	48	48	46	47
68	20	58	48	49	49	45	48
69	21	16	47	49	49	46	46
70	21	35	48	48	49	46	48
71	21	53	48	49	48	46	47
72	22	12	48	48	49	45	47
73	22	30	48	48	48	46	47
74	22	49	48	48	48	46	47
75	23	8	47	49	48	46	47
76	23	26	48	49	48	47	47
77	23	45	49	51	50	46	47
78	24	4	50	56	54	46	47
79	24	22	52	60	56	46	48
80	24	41	54	63	59	47	48
81	24	59	55	65	60	46	49
82	25	18	57	68	62	46	49
83	25	36	59	72	64	45	51
84	25	55	62	78	65	45	55
85	26	14	64	82	67	44	59
86	26	32	65	87	70	44	64
87	26	51	68	91	71	45	68
88	27	9	70	93	73	45	70
89	27	28	71	95	75	45	72
90	27	47	73	96	76	45	73
91	28	5	76	99	78	45	76
92	28	24	77	100	79	45	77
93	28	42	78	101	79	45	78
94	29	1	79	102	80	45	79
95	29	19	80	102	81	46	

1220

-06 G.1 OIL LER LET OIL G.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
45	46	46	46	46	46	45	45	45
45	46	45	46	46	45	46	45	46
45	46	46	46	45	46	46	45	46
46	47	45	46	46	46	47	45	46
46	46	45	46	46	46	46	46	46
46	47	45	46	46	46	45	46	46
46	47	45	47	46	46	46	45	46
46	46	45	46	46	45	46	46	46
46	46	46	46	47	45	45	46	46
46	46	46	46	47	46	46	46	46
46	46	46	47	46	46	45	46	46
46	47	45	46	46	46	46	45	45
46	46	46	46	46	46	46	45	45
46	46	46	46	46	45	46	45	46
46	46	46	46	47	45	46	46	46
47	46	45	46	46	46	45	45	46
49	47	45	47	46	46	46	45	46
49	48	46	46	46	45	46	45	46
49	49	46	46	46	46	45	46	46
49	49	46	46	46	46	46	48	47
49	49	45	47	46	46	46	50	48
48	48	46	47	47	46	46	50	48
49	49	45	48	46	45	46	49	50
49	49	46	46	46	46	46	50	49
48	49	46	48	47	46	47	49	49
49	48	46	47	47	45	46	49	49
48	49	45	47	47	45	45	48	48
48	48	46	47	47	45	46	49	48
48	48	46	47	47	46	46	49	48
49	48	46	47	47	46	46	49	48
49	48	47	47	46	46	46	49	48
51	50	46	47	47	46	46	48	49
56	54	46	48	46	45	45	49	48
60	56	46	48	48	46	46	48	48
63	59	47	49	48	46	45	48	48
65	60	46	49	49	46	46	48	48
68	62	46	51	51	46	45	48	47
72	64	45	55	59	46	47	48	48
78	65	45	59	65	46	46	48	48
82	67	44	64	72	46	45	48	48
87	70	44	68	78	46	46	48	48
91	71	45	70	82	46	45	48	47
93	73	45	72	87	46	45	48	47
95	75	45	73	89	46	45	48	50
96	76	45	76	93	49	49	52	54
99	78	45	77	95	53	53	57	56
100	79	45	78	97	61	63	63	61
101	79	45	79	98	68	73	68	66
102	80	45		98	74	81	75	70
102	81	46					81	

2

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	E N. CO I O
96	29	38	80	101	82	46	81	
97	29	57	81	102	83	46	82	
98	30	15	82	103	82	45	82	
99	30	34	82	103	83	46	81	
100	30	52	83	103	82	46	82	
101	31	11	83	104	83	46	82	
102	31	30	83	105	84	47	82	
103	31	48	84	106	84	48	82	
104	32	7	84	107	84	48	82	
105	32	25	84	107	84	48	83	
106	32	44	84	107	83	48	82	
107	33	3	83	107	85	48	83	
108	33	21	84	107	84	47	83	
109	33	40	83	106	85	46	83	
110	33	58	84	107	85	46	84	
111	34	17	85	108	85	46	85	
112	34	36	85	109	88	46	87	
113	34	54	86	110	88	47	87	
114	35	13	87	111	88	46	87	
115	35	31	87	112	89	46	87	
116	35	50	88	112	88	46	88	
117	36	8	89	112	88	46	87	
118	36	27	88	112	88	46	87	
119	36	46	89	112	89	46	88	
120	37	4	89	112	88	46	87	
121	37	23	90	113	89	45	87	
122	37	41	89	113	88	46	87	
123	38	0	88	113	89	46	88	
124	38	19	89	113	90	46	88	
125	38	37	91	113	90	47	88	
126	38	56	89	114	90	46	88	
127	39	14	90	114	89	46	88	
128	39	33	89	113	89	47	88	
129	39	52	89	112	88	46	88	
130	40	10	88	111	88	47	87	
131	40	29	88	112	89	47	88	
132	40	47	88	110	88	48	88	
133	41	6	88	111	89	48	89	
134	41	25	89	111	88	48	87	
135	41	43	88	111	88	47	86	
136	42	2	88	111	88	48	87	
137	42	21	88	110	89	48	88	
138	42	39	88	110	88	48	87	
139	42	58	89	111	88	48	87	
140	43	16	88	110	88	48	87	
141	43	35	88	111	89	48	88	
142	43	54	88	111	89	47	88	
143	44	12	88	110	89	47	88	
144	44	31	89	111	90	47	88	
145	44	49	90	112	89	48	88	

-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
OLER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
LET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
01	82	46	81	99	77	85	84	72
02	83	46	82	99	79	90	88	75
03	82	45	82	101	80	94	91	78
03	83	46	81	101	80	95	93	79
03	82	46	82	101	81	98	97	79
04	83	46	82	101	81	99	98	80
05	84	47	82	102	83	102	99	81
06	84	48	82	103	85	104	100	82
07	84	48	82	103	86	104	102	82
07	84	48	83	103	86	106	102	82
07	83	48	82	103	86	106	103	84
07	85	48	83	105	87	108	103	85
07	84	47	83	105	88	108	105	85
06	85	46	83	104	88	109	105	85
07	85	46	84	105	90	109	104	87
08	85	46	85	105	88	107	104	86
09	88	46	87	106	88	105	105	88
10	88	47	87	108	88	103	105	87
11	88	46	87	108	87	101	104	87
12	89	46	87	108	85	99	104	86
12	88	46	88	109	83	98	104	85
12	88	46	87	108	83	97	103	85
12	88	46	87	109	82	96	103	84
12	89	46	88	109	82	95	102	85
12	88	46	87	110	82	95	102	84
13	89	45	87	111	80	94	102	84
13	88	46	87	110	80	93	101	84
13	89	46	88	110	81	93	101	84
13	90	46	88	111	79	92	101	83
13	90	47	88	111	79	92	101	83
14	90	46	88	111	78	93	102	81
14	89	46	88	110	79	96	102	82
13	89	47	88	110	82	99	103	83
12	88	46	88	110	83	101	104	84
11	88	47	87	109	84	102	105	84
12	89	47	88	109	86	104	105	86
10	88	48	88	108	87	105	106	86
11	89	48	89	109	87	107	107	87
11	88	48	87	109	88	107	108	86
11	88	47	86	108	89	108	108	87
11	88	48	87	108	89	109	108	87
10	89	48	88	108	89	109	108	88
10	88	48	87	108	89	110	108	88
11	88	48	87	109	90	109	108	89
10	88	48	87	108	91	110	108	88
11	89	48	88	108	91	110	109	89
11	89	47	88	109	91	112	109	89
10	89	47	88	109	91	112	109	90
11	90	47	88	109	92	113	110	89
12	89	48	88	110	91	112	110	89

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5 EN N.G COO IN DE
146	45	8	89	112	89	48	88	
147	45	27	89	112	89	46	88	
148	45	45	89	112	90	47	89	
149	46	4	89	113	90	48	89	
150	46	22	89	112	89	47	88	
151	46	41	89	112	89	47	88	
152	47	0	90	112	89	47	88	
153	47	18	89	111	89	48	88	
154	47	37	89	112	88	47	86	
155	47	56	89	112	88	48	87	
156	48	14	89	111	88	47	86	
157	48	33	88	110	87	48	86	
158	48	51	88	111	86	46	85	
159	49	10	86	110	85	46	86	
160	49	29	86	112	86	45	84	
161	49	47	86	115	88	45	85	
162	50	6	88	117	91	44	86	
163	50	25	89	119	92	44	88	
164	50	43	90	120	92	44	89	
165	51	2	92	117	91	45	88	
166	51	20	91	116	88	46	88	
167	51	39	90	114	87	46	86	
168	51	58	89	112	85	47	85	
169	52	16	88	110	85	47	85	
170	52	35	85	109	83	48	83	
171	52	54	85	108	82	47	82	
172	53	12	83	106	82	48	82	
173	53	31	84	105	81	48	82	
174	53	49	82	104	81	48	81	
175	54	8	82	104	80	48	80	
176	54	27	81	103	80	48	81	
177	54	45	80	103	79	48	80	
178	55	4	79	102	79	47	79	
179	55	23	79	101	78	47	79	
180	55	41	79	101	80	48	80	
181	56	0	80	102	80	48	79	
182	56	18	79	105	82	45	81	
183	56	37	82	110	85	44	81	
184	56	56	84	113	88	44	83	
185	57	14	85	116	89	44	85	
186	57	33	88	118	91	43	86	
187	57	52	89	119	92	44	86	
188	58	10	90	121	93	44	87	
189	58	29	92	123	94	43	88	
190	58	47	93	123	95	44	88	
191	59	6	94	124	96	44	89	
192	59	25	94	125	95	44	90	
193	59	43	95	125	96	44	91	
194	60	2	96	126	96	44	91	
195	60	21	96	127	97	44		

1222

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
112	89	48	88	110	92	112	110	91
112	89	46	88	109	92	111	110	89
112	90	47	89	109	92	113	111	90
113	90	48	89	110	92	113	111	91
112	89	47	88	110	92	113	110	90
112	89	47	88	110	92	113	110	90
112	89	47	88	110	92	112	110	91
111	89	48	88	109	92	113	110	89
112	88	47	86	109	91	113	110	89
112	88	48	87	108	91	113	110	88
111	88	47	86	109	92	113	110	88
110	87	48	86	108	91	112	110	88
111	86	46	85	108	91	112	109	88
110	85	46	86	109	91	113	110	88
112	86	45	84	108	91	114	110	88
115	88	45	85	109	91	115	113	90
117	91	44	86	112	93	117	115	92
119	92	44	88	113	93	118	117	92
120	92	44	89	115	94	119	118	93
117	91	45	88	113	95	118	116	92
116	88	46	88	113	95	119	119	94
114	87	46	86	111	93	120	120	94
112	85	47	85	108	96	121	121	96
110	85	47	85	107	96	123	121	96
109	83	48	83	106	96	123	122	97
108	82	47	82	104	97	123	124	97
106	82	48	82	103	98	124	124	99
105	81	48	82	103	98	124	125	98
104	81	48	81	102	99	124	126	99
104	80	48	80	102	98	125	126	99
103	80	48	81	102	98	125	126	99
103	79	48	80	100	98	126	126	100
102	79	47	79	100	98	126	127	99
101	78	47	79	100	98	125	126	99
101	80	48	80	99	99	126	126	100
102	80	48	79	100	98	125	125	95
105	82	45	81	102	95	120	120	92
110	85	44	81	106	93	118	116	91
113	88	44	83	107	90	116	115	89
116	89	44	85	109	90	112	113	88
118	91	43	86	111	88	111	112	87
119	92	44	86	112	86	109	110	85
121	93	44	87	114	86	108	109	85
123	94	43	88	115	85	107	108	83
123	95	44	88	115	85	106	107	83
124	96	44	89	116	83	105	106	83
125	95	44	90	117	84	104	106	83
125	96	44	91	118	83	103	104	82
126	96	44	91	119	83	103	104	82
127	97	44		119	83	103	103	81

2

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5- ENG N.G. COO IN DE
196	60	39	96	127	97	44	93	1
197	60	58	97	128	97	44	91	1
198	61	16	97	129	98	44	92	1
199	61	35	97	129	98	44	91	1
200	61	54	97	128	98	44	92	1
201	62	12	98	129	99	45	92	1
202	62	31	98	129	98	44	92	1
203	62	50	98	129	98	44	92	1
204	63	8	98	130	99	44	93	1
205	63	27	98	130	99	45	93	1
206	63	45	98	130	99	44	93	1
207	64	4	98	131	99	44	92	1
208	64	23	99	130	99	45	93	1
209	64	41	99	130	99	44	93	1
210	65	0	99	130	99	45	92	1
211	65	19	99	131	99	44	93	1
212	65	37	99	131	99	44	93	1
213	65	56	99	131	99	44	93	1
214	66	14	100	129	98	45	94	1
215	66	33	99	127	96	45	92	1
216	66	52	98	127	96	46	92	1
217	67	10	97	126	96	45	92	1
218	67	29	97	126	96	44	91	1
219	67	47	96	125	96	45	92	1
220	68	6	96	125	96	45	92	1
221	68	25	96	125	95	45	91	1
222	68	43	95	125	95	45	91	1
223	69	2	96	125	95	45	91	1
224	69	21	95	124	95	45	91	1
225	69	39	94	125	95	45	91	1
226	69	58	95	124	95	45	91	1
227	70	16	94	123	95	44	93	1
228	70	35	96	121	92	46	91	1
229	70	54	93	118	88	46	88	1
230	71	12	91	115	87	46	86	1
231	71	31	90	113	85	47	86	1
232	71	50	88	111	85	47	85	1
233	72	8	86	109	83	46	82	1
234	72	27	85	108	83	46	82	1
235	72	45	83	106	82	48	82	1
236	73	4	83	105	81	48	82	1
237	73	23	82	105	80	47	80	1
238	73	41	81	104	80	48	80	1
239	74	0	81	103	80	48	80	1
240	74	19	81	103	79	47	80	1
241	74	37	80	102	78	47	79	1
242	74	56	79	101	78	48	79	1
243	75	14	78	101	78	47	79	1
244	75	33	79	101	78	47	78	1
245	75	52	79	100	78	46	79	1

1223

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
127	97	44	93	120	83	102	103	80
128	97	44	91	120	82	102	102	80
129	98	44	92	121	81	102	103	81
129	98	44	91	121	82	101	102	81
128	98	44	92	121	81	101	102	80
129	99	45	92	120	81	101	102	80
129	98	44	92	122	81	101	101	80
129	98	44	92	122	81	101	101	80
130	99	44	93	122	81	101	101	80
130	99	45	93	121	81	100	100	79
130	99	44	93	121	81	100	101	79
131	99	44	92	122	80	101	101	79
130	99	45	93	122	82	100	100	79
130	99	44	93	121	81	100	100	79
130	99	45	92	122	80	99	100	79
131	99	44	93	122	81	99	100	79
131	99	44	93	122	81	99	100	78
131	99	44	93	122	81	99	100	79
129	98	45	94	122	82	99	100	81
127	96	45	92	120	81	99	100	78
127	96	46	92	121	81	99	100	79
126	96	45	92	120	80	99	99	79
126	96	44	91	120	80	99	99	79
125	96	45	92	120	81	99	99	79
125	96	45	92	120	80	98	99	78
125	95	45	91	120	79	99	99	78
125	95	45	91	119	80	98	99	78
125	95	45	91	119	80	98	99	78
124	95	45	91	119	79	98	98	78
125	95	45	91	120	79	98	98	77
124	95	45	91	120	79	98	99	78
123	95	44	93	120	82	98	98	81
121	92	46	91	118	82	100	100	79
118	89	46	88	115	83	103	103	82
115	87	46	86	112	84	106	106	83
113	85	47	86	110	86	108	108	85
111	85	47	85	109	87	110	108	87
109	83	46	82	106	87	110	110	88
108	83	46	82	106	89	111	111	88
106	82	48	82	104	89	112	111	89
105	81	48	82	104	90	114	113	89
105	80	47	80	103	91	115	113	90
104	80	48	80	102	92	115	114	91
103	80	48	80	101	92	116	114	91
103	79	47	80	101	91	116	115	91
102	78	47	79	100	92	117	115	92
101	78	48	79	100	93	117	115	91
101	78	47	79	100	93	117	116	91
101	78	47	78	99	93	117	116	92
100	78	46	79	99	93	118	117	92

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-1 ENG. N.G.B COOLE INLE OI DEG.
246	76	10	78	100	77	46	79	9
247	76	29	78	100	78	47	78	9
248	76	48	77	100	78	48	78	9
249	77	6	78	99	77	47	78	9
250	77	25	78	99	77	47	77	9
251	77	44	78	99	78	47	78	9
252	78	2	77	99	78	47	78	9
253	78	21	77	99	76	48	78	9
254	78	39	77	99	76	49	77	9
255	78	58	77	98	76	49	77	9
256	79	17	76	98	76	49	77	9
257	79	35	77	98	76	48	78	9
258	79	54	76	98	77	48	76	9
259	80	13	77	98	76	47	77	9
260	80	31	76	98	76	48	77	9
261	80	50	77	98	76	48	78	9
262	81	9	76	98	76	47	78	9
263	81	27	76	97	76	47	77	9
264	81	46	76	98	76	47	77	9
265	82	4	76	98	76	47	77	9
266	82	23	76	98	76	47	78	9
267	82	42	76	97	76	47	78	9
268	83	0	76	98	76	47	77	9
269	83	19	76	97	76	47	77	9
270	83	38	76	99	78	48	78	9
271	83	56	77	100	79	47	80	9
272	84	15	78	101	80	47	79	1
273	84	34	79	105	82	46	80	1
274	84	52	81	108	84	44	82	1
275	85	11	82	110	85	45	83	1
276	85	29	84	110	85	45	83	1
277	85	48	85	110	85	45	82	1
278	86	7	85	112	86	45	85	1
279	86	25	85	112	87	44	85	1
280	86	44	86	113	87	45	85	1
281	87	3	88	113	87	45	85	1
282	87	21	87	114	88	45	85	1
283	87	40	88	114	88	45	85	1
284	87	59	88	115	88	45	85	1
285	88	17	88	114	88	46	86	1
286	88	36	88	116	88	45	86	1
287	88	55	89	116	89	46	85	1
288	89	13	89	116	89	45	86	1
289	89	32	88	115	89	46	86	1
290	89	51	89	117	89	46	86	1
291	90	9	89	116	89	46	86	1
292	90	28	89	117	89	46	87	1
293	90	47	89	116	89	46	86	1
294	91	5	89	116	89	45	86	1
295	91	24	89	116	89	45		

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
100	77	46	79	99	93	118	117	92
100	78	47	78	98	93	119	117	93
100	78	48	78	99	93	119	117	93
99	77	47	78	98	94	119	118	93
99	77	47	77	99	93	119	118	93
99	78	47	78	98	93	119	118	93
99	78	47	78	98	93	119	118	93
99	76	48	78	97	94	119	118	93
99	76	49	77	98	93	120	118	93
98	76	49	77	97	93	119	118	92
98	76	49	77	98	94	119	118	92
98	76	48	78	97	93	119	119	93
98	77	48	76	98	93	119	119	93
98	76	47	77	97	93	119	119	93
98	76	48	77	97	93	119	119	93
98	76	48	78	97	94	120	119	93
98	76	47	78	97	95	119	119	93
97	76	47	77	97	95	119	119	93
98	76	47	77	97	93	120	119	94
98	76	47	77	97	94	119	119	93
98	76	47	78	98	94	119	119	93
97	76	47	78	97	95	119	119	93
98	76	47	77	97	95	119	120	94
97	76	47	77	96	94	119	118	93
99	78	48	78	98	94	119	118	93
100	79	47	80	99	94	118	116	92
101	80	47	79	100	93	119	116	91
105	82	46	80	102	93	118	118	92
108	84	44	82	103	93	119	118	93
110	85	45	83	106	94	119	118	93
110	85	45	83	107	93	119	118	92
110	85	45	82	108	94	118	117	92
112	86	45	85	108	93	119	117	91
112	87	44	85	109	93	118	116	92
113	87	45	85	109	93	119	117	92
113	87	45	85	109	93	118	116	92
114	88	45	85	110	93	118	116	92
114	88	45	85	110	93	119	116	91
115	88	45	85	110	93	118	115	91
114	88	46	86	111	93	118	115	91
116	88	45	86	112	92	118	116	91
116	89	46	85	111	93	117	115	91
116	89	45	86	111	93	119	115	91
115	89	46	86	112	92	117	115	90
117	89	46	86	112	92	117	114	90
116	89	46	86	112	92	117	115	89
117	89	46	87	112	92	117	114	90
116	89	46	86	113	92	117	113	90
116	89	45	86	112	92	116	114	89
116	89	45		113	92	117	114	91

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	E N. CO I D
296	91	43	89	116	90	45	87	
297	92	1	90	117	89	46	88	
298	92	20	89	117	91	45	89	
299	92	39	91	115	89	46	88	
300	92	57	89	114	88	47	87	
301	93	16	88	112	88	47	86	
302	93	35	88	112	89	46	88	
303	93	53	88	110	93	48	89	
304	94	12	91	109	93	47	87	
305	94	30	92	109	93	48	86	
306	94	49	93	107	97	47	88	
307	95	8	93	105	100	48	91	
308	95	26	94	105	101	48	92	
309	95	45	94	105	102	49	92	
310	96	4	94	104	101	49	92	
311	96	22	94	103	102	50	92	
312	96	41	94	102	102	51	92	
313	97	0	93	102	102	51	91	
314	*	*	*	*	*	*	*	

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5-06 NG.1 OIL LER LET OIL G.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
116	90	45	87	113	92	117	114	91
117	89	46	88	113	92	117	115	90
117	91	45	89	113	93	117	114	91
115	89	46	88	113	92	116	113	90
114	88	47	87	111	92	115	113	89
112	88	47	86	110	91	114	111	89
112	89	46	88	108	93	113	110	92
110	93	48	89	106	92	109	110	95
109	93	47	87	103	89	106	108	94
109	93	48	86	101	88	103	109	95
107	97	47	88	100	88	101	109	98
105	100	48	91	99	90	100	108	102
105	101	48	92	99	91	100	106	103
105	102	49	92	98	92	100	105	102
104	101	49	92	98	91	100	104	102
103	102	50	92	98	92	99	103	101
102	102	51	92	97	91	99	103	100
102	102	51	91	97	91	98	101	100
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-2 GEN. MAS TEM DEG.
1	0	12	46	44	46	41	41	46
2	0	30	46	44	46	41	41	46
3	0	49	46	44	46	41	41	46
4	1	7	47	44	46	40	41	46
5	1	26	46	43	45	40	41	46
6	1	45	46	44	46	41	40	46
7	2	3	46	44	46	41	40	46
8	2	22	46	44	45	41	41	46
9	2	40	46	44	46	41	41	46
10	2	59	46	44	46	41	41	46
11	3	17	46	44	46	41	41	46
12	3	36	46	44	46	41	41	46
13	3	55	46	44	46	41	41	46
14	4	13	46	44	46	41	40	46
15	4	32	46	44	46	41	41	46
16	4	50	46	*	46	41	40	46
17	5	9	46	44	46	41	41	46
18	5	27	46	44	46	41	41	46
19	5	46	46	44	45	41	42	46
20	6	5	46	44	46	41	42	46
21	6	23	47	44	46	41	42	46
22	6	42	49	44	45	41	42	46
23	7	0	51	44	46	41	42	46
24	7	19	52	44	45	41	42	46
25	7	38	54	44	46	41	42	46
26	7	56	54	44	45	41	42	46
27	8	15	56	44	46	41	42	46
28	8	34	58	44	46	41	42	46
29	8	52	59	44	46	41	42	46
30	9	11	60	43	46	41	42	46
31	9	29	61	44	46	41	42	46
32	9	48	62	44	46	41	42	46
33	10	7	64	44	46	42	42	46
34	10	25	65	44	46	41	43	46
35	10	44	66	44	46	41	42	46
36	11	2	67	44	46	41	42	46
37	11	21	67	44	46	41	42	46
38	11	40	69	44	45	41	42	46
39	11	58	70	44	45	40	42	46
40	12	17	70	44	46	41	42	46
41	12	35	71	44	46	41	42	46
42	12	54	72	44	46	41	42	46
43	13	9	73	44	45	41	42	46
44	13	31	75	44	47	41	42	46
45	13	50	75	44	46	40	42	46

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
44	46	41	41	46	45	36	36	36
44	46	41	41	46	45	36	36	36
44	46	41	41	46	45	36	36	36
44	46	40	41	46	45	36	36	36
43	45	40	41	46	45	36	36	36
44	46	41	40	46	45	36	36	36
44	46	41	40	46	45	36	35	36
44	45	41	41	46	45	36	36	36
44	46	41	41	46	45	36	36	37
44	46	41	41	46	45	36	36	37
44	46	41	41	46	45	36	36	36
44	46	41	41	46	45	36	36	36
44	46	41	41	45	45	36	36	36
44	46	41	41	45	45	36	36	36
44	46	41	40	46	45	36	36	36
44	46	41	41	46	45	36	36	36
*	46	41	40	45	45	36	36	36
44	46	41	41	46	46	36	36	36
44	46	41	41	45	45	36	36	36
44	45	41	42	46	45	36	36	36
44	46	41	42	45	43	36	36	36
44	46	41	42	46	46	36	36	36
44	45	41	42	45	42	36	36	37
44	46	41	42	46	48	36	36	36
44	45	41	42	47	44	36	36	37
44	46	41	42	48	46	36	36	37
44	45	41	42	48	46	36	36	37
44	46	41	42	49	47	36	36	37
44	46	41	42	49	45	36	36	37
44	46	41	42	49	48	36	36	38
43	46	41	42	49	51	36	36	38
44	46	41	42	51	45	36	36	38
44	46	42	42	52	48	36	37	38
44	46	41	43	51	51	36	37	38
44	46	41	42	52	52	36	37	38
44	46	41	42	53	46	37	37	38
44	46	41	42	53	48	36	37	38
44	45	41	42	54	48	37	37	39
44	45	40	42	55	48	36	37	39
44	46	41	42	55	49	36	37	39
44	46	41	42	56	48	36	37	38
44	46	41	42	57	48	37	38	39
44	45	41	42	57	48	37	37	40
44	47	41		57	48	37	37	40
44	46	40		59	48	37	38	40

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	GE
46	14	8	76	43	46	41	42	
47	14	27	77	44	46	41	42	
48	14	45	77	44	46	41	42	
49	15	4	78	44	46	41	42	
50	15	23	79	44	46	41	42	
51	15	41	80	44	46	41	42	
52	16	0	81	44	45	41	42	
53	16	18	81	44	46	41	42	
54	16	37	83	44	46	41	42	
55	16	56	83	44	46	42	42	
56	17	14	85	44	46	41	43	
57	17	33	84	44	46	41	42	
58	17	52	85	44	46	41	42	
59	18	10	86	44	46	42	42	
60	18	29	86	44	46	41	42	
61	18	47	87	44	45	40	42	
62	19	6	88	43	46	41	43	
63	19	24	88	43	45	40	42	
64	19	43	89	43	46	41	42	
65	20	2	89	43	45	41	42	
66	20	20	91	43	45	41	42	
67	20	39	92	42	45	41	42	
68	20	58	92	43	45	42	42	
69	21	16	93	42	45	41	43	
70	21	35	93	43	45	42	42	
71	21	53	95	42	45	41	43	
72	22	12	95	43	45	41	42	
73	22	30	96	42	45	41	42	
74	22	49	97	43	45	41	43	
75	23	8	97	43	45	41	42	
76	23	26	98	43	45	42	43	
77	23	45	99	43	45	41	43	
78	24	4	99	43	45	42	42	
79	24	22	99	42	46	42	43	
80	24	41	99	44	46	41	43	
81	24	59	100	44	45	41	43	
82	25	18	100	44	46	41	44	
83	25	36	101	45	47	41	44	
84	25	55	100	45	48	42	44	
85	26	14	100	46	48	42	46	
86	26	32	101	48	51	42	46	
87	26	51	101	49	52	43	48	
88	27	9	101	51	54	44	49	
89	27	28	101	53	54	44	50	
90	27	47	101	55	55	45	51	
91	28	5	101	57	58	46	52	
92	28	24	102	58	59	48	52	
93	28	42	101	60	60	48	53	
94	29	1	101	61	60	49	53	
95	29	19	102	62	61	50	54	

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5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
43	46	41	42	59	49	37	38	39
44	46	41	42	60	49	37	38	41
44	46	41	42	60	48	37	38	41
44	46	41	42	61	48	37	38	41
44	46	41	42	62	49	37	38	41
44	46	41	42	62	48	38	38	41
44	45	41	42	63	48	37	38	41
44	46	41	42	63	49	38	39	41
44	46	41	42	64	49	37	38	41
44	46	42	42	64	50	38	39	42
44	46	41	43	66	49	38	39	42
44	46	41	42	66	50	37	39	41
44	46	41	42	66	50	38	38	41
44	46	42	42	67	50	37	39	41
44	46	41	42	68	50	37	39	42
44	45	40	42	68	50	37	38	42
43	46	41	43	69	49	37	39	42
43	45	40	42	69	51	37	39	43
43	46	41	42	70	51	38	39	43
43	45	41	42	71	51	38	39	42
43	45	41	42	71	51	38	39	42
42	45	41	42	72	50	38	39	42
43	45	42	42	73	52	38	39	43
42	45	41	43	73	51	38	39	43
43	45	42	42	73	51	38	39	43
42	45	41	43	74	51	38	39	43
43	45	41	42	74	52	38	38	43
42	45	41	42	75	52	38	39	43
43	45	41	43	76	51	38	39	43
43	45	41	42	76	52	38	39	44
43	45	42	43	77	52	38	39	44
43	45	41	43	78	52	38	39	44
43	45	42	42	77	53	38	39	44
42	46	42	43	76	52	38	40	44
44	46	41	43	76	52	38	40	43
44	45	41	43	76	51	38	39	44
44	46	41	44	76	52	38	39	44
45	47	41	44	76	52	38	39	44
45	48	42	44	76	52	38	39	43
46	48	42	46	76	52	38	39	43
48	51	42	46	76	52	38	39	43
49	52	43	48	76	53	38	40	43
51	54	44	49	76	53	38	39	43
53	54	44	50	76	53	38	39	43
55	55	45	51	77	53	38	39	44
57	58	46	52	77	54	38	41	44
58	59	48	52	77	55	38	41	44
60	60	48	53	78	54	38	41	44
61	60	49	53	78	54	38	40	44
62	61	50	54	78	55	39	40	44

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5- GEN MA TE DEG
96	29	38	101	64	62	50	54	7
97	29	57	101	64	62	51	55	7
98	30	15	101	66	63	51	55	7
99	30	34	101	67	63	51	54	7
100	30	52	101	68	64	52	55	8
101	31	11	101	69	65	52	56	8
102	31	30	102	69	65	53	56	8
103	31	48	102	71	66	54	58	8
104	32	7	101	71	66	55	58	8
105	32	25	102	72	66	54	58	8
106	32	44	102	73	66	54	59	8
107	33	3	102	74	67	56	59	8
108	33	21	102	74	67	56	60	8
109	33	40	101	75	68	56	59	8
110	33	58	102	75	68	56	60	8
111	34	17	102	76	69	57	61	8
112	34	36	102	77	70	59	61	8
113	34	54	103	77	70	59	62	8
114	35	13	103	78	71	59	61	8
115	35	31	103	78	71	59	62	8
116	35	50	103	79	70	59	62	8
117	36	8	103	79	71	59	63	8
118	36	27	103	80	71	60	63	8
119	36	46	103	81	72	59	64	8
120	37	4	103	81	71	60	64	8
121	37	23	104	81	71	61	64	8
122	37	41	103	81	72	61	65	8
123	38	0	103	82	72	61	65	8
124	38	19	104	82	72	62	65	8
125	38	37	103	83	73	62	66	8
126	38	56	105	83	73	62	66	8
127	39	14	105	83	73	62	66	8
128	39	33	104	83	73	62	66	8
129	39	52	105	84	73	62	67	8
130	40	10	104	84	73	64	67	8
131	40	29	105	85	74	64	67	8
132	40	47	105	85	73	64	67	8
133	41	6	105	85	73	66	68	8
134	41	25	106	85	73	66	68	8
135	41	43	105	85	73	65	68	8
136	42	2	105	85	73	65	68	8
137	42	21	105	85	73	65	69	8
138	42	39	105	86	74	66	69	8
139	42	58	105	85	73	66	69	8
140	43	16	106	86	73	66	69	8
141	43	35	106	86	75	66	69	8
142	43	54	107	87	73	66	70	8
143	44	12	106	86	73	67	69	8
144	44	31	107	87	74	67	70	8
145	44	49	106	86	74	67		

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5-16 MAIN G.BOX OOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
64	62	50	54	79	55	38	39	44
64	62	51	55	79	54	38	40	44
66	63	51	55	79	55	38	41	44
67	63	51	54	80	55	39	40	44
68	64	52	55	80	55	38	40	44
69	65	52	56	81	56	39	40	44
69	65	53	56	81	55	39	40	44
71	66	54	58	82	56	38	41	44
71	66	55	58	82	56	39	41	45
72	66	54	58	82	56	39	41	44
73	66	54	59	82	55	39	40	44
74	67	56	59	83	56	39	41	45
74	67	56	60	83	56	39	41	44
75	68	56	59	83	56	39	41	44
75	68	56	60	83	56	39	41	45
76	69	57	61	84	55	39	41	44
77	70	59	61	85	56	39	41	44
77	70	59	62	84	58	38	41	44
78	71	59	61	85	56	39	41	45
78	71	59	62	85	56	39	41	44
79	70	59	62	85	56	39	41	44
79	71	59	63	85	56	39	41	45
80	71	60	63	85	56	39	41	44
81	72	59	64	86	56	39	41	44
81	71	60	64	86	56	39	41	45
81	71	61	64	86	55	39	42	45
81	72	61	65	86	55	39	41	45
82	72	61	65	87	56	39	40	44
82	72	62	65	87	56	39	40	44
83	73	62	66	87	56	39	40	43
83	73	62	66	87	55	39	40	42
83	73	62	66	88	56	39	40	42
83	73	62	66	87	56	39	40	42
84	73	62	67	88	56	39	40	42
84	73	64	67	87	55	39	39	42
85	74	64	67	88	55	39	40	43
85	73	64	67	88	54	39	39	42
85	73	66	68	88	55	39	40	43
85	73	66	68	88	55	39	40	43
85	73	65	68	88	55	40	39	42
85	73	65	68	87	54	40	39	42
85	73	65	69	88	55	40	39	42
86	74	66	69	88	55	40	39	42
85	73	66	69	88	54	39	39	42
86	73	66	69	89	55	40	39	42
86	75	66	69	88	55	39	40	42
87	73	66	70	89	55	40	39	42
86	73	67	69	89	55	40	39	42
87	74	67	70	90	55	40	40	43
86	74	67		90	54	40		

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5 GE M T DE
146	45	8	108	87	74	68	71	
147	45	27	107	86	73	68	71	
148	45	45	107	87	74	68	71	
149	46	4	107	87	74	68	72	
150	46	22	107	87	75	68	72	
151	46	41	108	88	75	69	73	
152	47	0	108	88	75	70	72	
153	47	18	108	88	76	69	72	
154	47	37	108	88	76	69	72	
155	47	56	108	88	75	69	73	
156	48	14	108	88	75	69	73	
157	48	33	109	88	76	70	73	
158	48	51	109	88	74	70	73	
159	49	10	108	88	73	68	73	
160	49	29	108	88	73	69	73	
161	49	47	109	89	72	68	73	
162	50	6	108	90	72	68	74	
163	50	25	107	91	72	68	74	
164	50	43	108	92	75	68	74	
165	51	2	108	92	75	69	75	
166	51	20	109	93	73	69	75	
167	51	39	108	93	74	69	75	
168	51	58	108	93	73	69	75	
169	52	16	108	93	74	68	75	
170	52	35	108	93	73	69	76	
171	52	54	108	93	74	68	75	
172	53	12	107	93	74	68	76	
173	53	31	107	94	73	68	76	
174	53	49	107	94	75	68	76	
175	54	8	108	95	74	67	76	
176	54	27	108	95	73	68	76	
177	54	45	108	95	74	68	77	
178	55	4	108	94	74	68	76	
179	55	23	108	95	73	67	76	
180	55	41	107	94	75	68	76	
181	56	0	108	94	76	68	76	
182	56	18	107	94	74	68	76	
183	56	37	108	94	74	67	76	
184	56	56	105	94	73	68	77	
185	57	14	107	94	73	67	76	
186	57	33	107	94	74	67	76	
187	57	52	107	93	74	66	76	
188	58	10	107	94	73	66	76	
189	58	29	107	94	74	67	76	
190	58	47	106	94	73	66	77	
191	59	6	107	94	73	66	77	
192	59	25	107	94	73	67	77	
193	59	43	106	95	74	66	76	
194	60	2	106	95	74	67	76	
195	60	21	106	94	74	67	77	

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5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
87	74	68	71	90	54	40	39	42
86	73	68	71	90	54	40	39	42
87	74	68	71	90	54	40	39	42
87	74	68	72	91	55	40	40	42
87	75	68	72	91	55	40	40	42
88	75	69	73	91	54	40	39	43
88	75	70	72	92	55	40	40	43
88	76	69	72	91	54	40	39	42
88	76	69	72	90	54	40	40	42
88	75	69	73	91	54	40	39	42
88	75	69	73	91	54	40	39	42
88	76	70	73	91	54	40	40	42
88	74	70	73	92	53	40	40	42
88	73	68	73	92	53	40	39	42
88	73	69	73	91	53	40	40	42
89	72	68	73	89	54	41	39	42
90	72	68	74	89	53	40	39	42
91	72	68	74	88	52	41	40	42
92	75	68	74	89	52	40	40	42
92	75	69	75	90	52	40	39	41
93	73	69	75	88	52	40	40	42
93	74	69	75	89	52	40	39	42
93	73	69	75	88	52	40	39	42
93	74	68	75	88	51	40	39	42
93	73	69	76	87	52	41	39	42
93	74	68	75	87	51	40	39	42
93	74	68	76	88	51	41	39	42
94	73	68	76	87	51	40	40	42
94	75	68	76	87	51	40	40	42
95	74	67	76	86	50	41	40	42
95	73	68	76	86	51	41	39	42
95	74	68	77	86	51	41	39	42
94	74	68	76	86	50	40	40	42
95	73	67	76	86	49	40	40	42
94	75	68	76	85	50	40	39	42
94	76	68	76	86	50	41	39	42
94	74	68	76	86	49	40	39	41
94	74	67	76	86	49	40	39	41
94	73	68	77	85	49	41	40	42
94	73	67	76	85	49	41	39	42
94	74	67	76	85	49	41	39	42
93	74	66	76	85	49	40	40	41
94	73	66	76	85	48	40	40	42
94	74	67	76	85	49	41	39	41
94	73	66	77	85	48	41	39	42
94	73	66	77	85	48	40	39	41
94	73	67	77	85	48	40	39	41
95	74	66	76	84	48	40	39	42
95	74	67	76	85	48	41	39	41
94	74	67	77	85	48	41	39	42

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-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
196	60	39	107	94	73	66	77
197	60	58	106	94	74	66	77
198	61	16	106	94	73	67	77
199	61	35	106	94	73	66	77
200	61	54	106	94	74	66	77
201	62	12	106	95	73	66	77
202	62	31	105	95	74	66	77
203	62	50	105	94	74	66	77
204	63	8	105	95	74	66	78
205	63	27	105	94	74	66	77
206	63	45	105	94	74	66	77
207	64	4	106	94	73	65	77
208	64	23	105	94	75	66	77
209	64	41	105	94	73	66	77
210	65	0	104	94	74	66	77
211	65	19	105	95	74	66	78
212	65	37	105	94	74	65	76
213	65	56	105	94	73	65	77
214	66	14	105	95	76	66	78
215	66	33	104	94	75	66	77
216	66	52	105	94	73	66	77
217	67	10	104	94	73	66	78
218	67	29	104	93	73	66	77
219	67	47	104	93	73	66	78
220	68	6	104	93	74	66	78
221	68	25	104	93	73	65	78
222	68	43	104	93	74	65	78
223	69	2	104	93	73	66	78
224	69	21	104	92	73	65	77
225	69	39	104	92	73	66	77
226	69	58	104	93	72	65	78
227	70	16	104	93	76	66	78
228	70	35	103	93	75	66	78
229	70	54	103	92	73	66	78
230	71	12	104	92	73	66	78
231	71	31	103	92	73	65	78
232	71	50	103	92	73	66	78
233	72	9	103	92	72	65	78
234	72	27	104	92	72	65	78
235	72	45	104	92	73	65	78
236	73	4	103	92	72	65	78
237	73	23	103	91	72	65	78
238	73	41	103	91	72	65	78
239	74	0	103	91	71	65	77
240	74	19	103	91	73	64	78
241	74	37	103	91	71	64	78
242	74	56	104	91	72	64	78
243	75	14	103	90	72	64	77
244	75	33	103	90	71	64	78
245	75	52	103	90	73	64	

1230

5-16 MAIN G.BOX OOLER NLET OIL EG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO CONBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
94	73	66	77	84	48	41	40	42
94	74	66	77	84	48	41	39	41
94	73	67	77	84	48	41	39	41
94	73	66	77	83	47	40	39	41
94	74	66	77	83	48	40	40	42
95	73	66	77	84	47	41	40	41
95	74	66	77	84	46	41	39	42
94	74	66	77	83	47	40	39	41
95	74	66	78	84	47	41	40	42
94	74	66	77	83	46	40	39	41
94	74	66	77	84	46	40	39	42
94	73	65	77	83	46	41	39	41
94	75	66	77	83	46	41	39	41
94	73	66	77	83	47	40	39	41
94	74	66	77	83	47	40	39	42
95	74	66	78	83	47	41	40	41
94	74	65	76	83	47	40	39	42
94	73	65	77	83	46	40	40	42
95	76	66	78	83	46	41	40	42
94	75	66	77	83	46	41	39	41
94	73	66	77	82	46	40	39	41
94	73	66	78	83	46	40	39	41
93	73	66	77	82	46	40	39	41
93	73	66	78	83	46	40	40	41
93	74	66	78	83	46	40	40	41
93	73	65	78	83	45	40	40	41
93	74	65	78	82	46	40	39	41
93	73	66	78	82	46	40	39	41
92	73	65	77	83	45	40	39	41
92	73	66	77	82	46	40	39	41
93	72	65	78	82	46	40	39	40
93	76	66	78	82	45	40	40	41
93	75	66	78	83	46	41	39	41
92	73	66	78	83	46	40	39	41
92	73	66	78	83	45	40	39	41
92	73	65	78	83	46	40	39	41
92	73	66	78	83	46	40	40	41
92	72	65	78	82	45	40	39	40
92	72	65	78	82	45	40	39	41
92	73	65	78	82	46	40	39	41
92	72	65	78	82	45	40	39	40
91	72	65	78	82	46	40	40	41
91	72	65	78	82	46	40	39	41
91	71	65	77	82	45	40	40	41
91	73	64	78	82	45	40	40	41
91	71	64	78	82	45	40	39	40
91	72	64	78	81	45	40	40	41
90	72	64	77	81	44	40	39	41
90	71	64	78	82	46	40	39	41
90	73	64		82	45	40	39	41

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
246	76	10	102	91	71	64	78
247	76	29	103	90	72	64	78
248	76	48	103	91	71	64	78
249	77	6	102	91	72	64	77
250	77	25	103	90	72	65	77
251	77	44	103	90	72	64	78
252	78	2	102	90	72	64	78
253	78	21	102	90	72	64	78
254	78	39	102	89	72	65	78
255	78	58	102	90	71	64	77
256	79	17	102	90	72	64	77
257	79	35	103	89	71	64	78
258	79	54	102	89	72	64	78
259	80	13	102	89	72	64	77
260	80	31	102	90	72	64	78
261	80	50	102	89	71	64	78
262	81	9	102	89	71	64	77
263	81	27	102	89	71	64	77
264	81	46	102	89	72	63	77
265	82	4	102	89	71	64	78
266	82	23	102	90	72	63	77
267	82	42	101	89	71	64	77
268	83	0	102	89	71	64	77
269	83	19	102	89	72	64	78
270	83	38	102	89	73	64	78
271	83	56	102	89	73	65	78
272	84	15	102	89	72	65	78
273	84	34	102	89	71	65	78
274	84	52	102	90	70	65	78
275	85	11	101	91	72	65	78
276	85	29	102	91	71	65	78
277	85	48	102	92	71	65	78
278	86	7	102	91	71	66	78
279	86	25	102	92	72	64	78
280	86	44	102	92	71	65	78
281	87	3	102	91	73	65	78
282	87	21	102	92	73	65	79
283	87	40	101	92	73	65	78
284	87	59	102	92	72	65	79
285	88	17	102	92	73	66	79
286	88	36	102	92	73	64	78
287	88	55	102	92	73	65	78
288	89	13	102	92	73	65	79
289	89	32	101	92	73	65	78
290	89	51	102	93	73	65	78
291	90	9	102	92	73	65	79
292	90	28	101	92	73	65	78
293	90	47	101	92	72	65	78
294	91	5	101	92	73	65	79
295	91	24	101	92	72	65	79

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
91	71	64	78	82	44	40	39	40
90	72	64	78	81	45	40	39	41
91	71	64	78	81	45	40	40	41
91	72	64	77	81	44	40	39	40
90	72	65	77	82	45	40	39	41
90	72	64	78	81	46	40	40	41
90	72	64	78	82	45	40	39	40
90	72	64	78	82	44	40	39	40
89	72	65	78	82	45	40	39	41
90	71	64	77	82	45	40	39	41
90	72	64	77	81	45	40	39	41
89	71	64	78	81	45	40	39	40
89	72	64	78	81	44	40	39	40
89	72	64	77	81	45	40	39	40
90	72	64	78	82	44	40	39	40
89	71	64	78	81	44	40	39	41
89	71	64	77	81	45	40	39	40
89	71	64	77	82	45	40	39	40
89	72	63	77	81	45	40	39	41
89	71	64	78	80	45	40	39	40
90	72	63	77	81	44	40	39	40
89	71	64	77	82	44	40	39	41
89	71	64	77	81	44	40	39	40
89	72	64	78	81	45	39	39	40
89	73	64	78	81	45	40	39	40
89	73	65	78	81	45	41	39	41
89	72	65	78	82	44	40	40	41
89	71	65	78	82	45	41	40	41
90	70	65	78	82	45	41	40	40
91	72	65	78	81	45	41	39	41
91	71	65	78	81	45	41	39	40
92	71	65	78	80	45	41	39	41
91	71	66	78	81	45	41	40	40
92	72	64	78	81	45	41	39	40
92	71	65	78	81	45	41	40	41
91	73	65	78	81	44	41	39	41
92	73	65	79	81	45	41	39	40
92	73	65	78	80	44	41	39	40
92	72	65	79	80	44	40	39	40
92	73	66	79	81	45	41	39	40
92	73	64	78	80	45	40	39	41
92	73	65	78	80	45	40	39	40
92	73	65	79	80	45	41	39	40
92	73	65	78	81	45	40	39	41
93	73	65	78	79	45	40	39	40
92	73	65	79	80	45	40	39	41
92	73	65	78	81	45	41	40	41
92	72	65	78	80	45	41	39	40
92	73	65	79	80	44	40	39	40
92	72	65	79	81	45	41	39	40

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5 GE M T DE
296	91	43	102	93	73	64	79	
297	92	1	101	93	73	65	79	
298	92	20	102	93	75	66	79	
299	92	39	101	93	75	66	79	
300	92	57	101	92	76	66	78	
301	93	16	101	92	76	66	79	
302	93	35	101	91	75	66	78	
303	93	53	102	91	78	68	78	
304	94	12	103	91	77	67	77	
305	94	30	103	90	76	67	77	
306	94	49	103	89	76	68	77	
307	95	8	104	88	78	68	76	
308	95	26	105	88	76	68	76	
309	95	45	105	88	76	68	76	
310	96	4	105	88	76	67	73	
311	96	22	102	88	77	67	73	
312	96	41	100	88	78	66	73	
313	97	0	98	88	78	66	73	
314	*	*	*	*	*	*	*	

1232

5-16 MAIN .BOX OLER NLET OIL EG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
93	73	64	79	79	44	41	39	41
93	73	65	79	81	45	41	40	41
93	75	66	79	80	44	41	39	40
93	75	66	79	81	45	41	40	40
92	76	66	78	82	45	41	39	40
92	76	66	79	81	45	41	39	41
91	75	66	78	81	45	41	39	40
91	78	68	78	82	45	41	39	40
91	77	67	77	83	45	41	39	40
90	76	67	77	84	46	41	39	40
89	76	68	77	84	46	41	39	40
88	78	68	76	85	47	41	39	40
88	76	68	76	86	47	41	39	40
88	76	68	76	87	48	41	39	40
88	76	67	73	87	48	41	39	40
88	77	67	73	88	49	41	39	40
88	78	66	73	89	49	41	39	40
88	78	66	73	89	49	41	39	40
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
1	0	12	36	36	36	38	46
2	0	30	36	36	36	38	46
3	0	49	35	36	37	38	46
4	1	7	36	36	37	38	46
5	1	26	35	36	36	38	46
6	1	45	36	36	37	38	46
7	2	3	36	36	36	38	45
8	2	22	35	36	36	38	46
9	2	40	36	36	36	38	46
10	2	59	36	36	36	38	46
11	3	17	36	36	36	38	46
12	3	36	36	36	36	38	46
13	3	55	36	36	36	38	46
14	4	13	36	36	37	38	46
15	4	32	36	36	36	38	46
16	4	50	36	36	36	39	46
17	5	9	35	36	36	38	46
18	5	27	36	36	37	38	46
19	5	46	36	36	36	38	46
20	6	5	36	36	37	38	47
21	6	23	36	36	36	39	46
22	6	42	36	36	37	39	47
23	7	0	36	37	37	38	48
24	7	19	36	36	38	38	49
25	7	38	36	36	38	38	50
26	7	56	36	36	37	38	50
27	8	15	36	37	38	38	51
28	8	34	36	38	38	38	52
29	8	52	36	37	38	38	53
30	9	11	37	37	39	38	53
31	9	29	37	37	40	39	54
32	9	48	37	38	40	38	55
33	10	7	37	38	40	39	56
34	10	25	38	38	40	38	56
35	10	44	38	38	41	38	58
36	11	2	37	38	41	38	59
37	11	21	38	38	41	38	58
38	11	40	38	38	41	39	59
39	11	58	38	38	41	38	60
40	12	17	39	39	40	38	61
41	12	35	39	39	42	38	61
42	12	54	39	39	41	38	62
43	13	9	39	39	41	38	62
44	13	31	38	40	41	39	63
45	13	50	39	39	41	38	63

1233

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
46	14	8	39	40	43	38	65
47	14	27	40	39	42	38	64
48	14	45	40	39	42	38	64
49	15	4	40	41	42	39	66
50	15	23	41	40	42	38	66
51	15	41	41	41	42	38	67
52	16	0	41	41	44	38	68
53	16	18	41	41	44	38	68
54	16	37	41	41	45	38	69
55	16	56	41	41	44	39	69
56	17	14	41	42	45	39	70
57	17	33	42	41	44	38	70
58	17	52	41	42	44	38	71
59	18	10	41	42	45	38	71
60	18	29	42	41	44	38	72
61	18	47	42	42	45	39	72
62	19	6	42	42	45	38	73
63	19	24	42	42	45	39	73
64	19	43	42	42	45	39	73
65	20	2	43	42	45	38	75
66	20	20	42	43	47	38	75
67	20	39	42	44	47	39	75
68	20	58	44	43	45	38	76
69	21	16	43	44	46	39	76
70	21	35	44	43	46	39	77
71	21	53	44	44	46	38	78
72	22	12	44	44	45	38	77
73	22	30	43	44	45	38	78
74	22	49	44	44	46	38	79
75	23	8	44	44	47	39	80
76	23	26	45	44	48	38	80
77	23	45	44	44	46	38	80
78	24	4	45	44	47	38	81
79	24	22	45	45	47	38	81
80	24	41	44	44	48	38	81
81	24	59	44	45	47	38	81
82	25	18	45	44	46	38	81
83	25	36	45	45	46	38	82
84	25	55	44	45	48	39	82
85	26	14	45	45	46	38	81
86	26	32	44	45	45	38	82
87	26	51	45	45	46	38	82
88	27	9	45	45	45	39	82
89	27	28	45	45	45	38	82
90	27	47	45	45	46	39	82
91	28	5	46	45	48	38	83
92	28	24	46	46	47	38	83
93	28	42	46	45	47	38	83
94	29	1	45	46	45	38	83
95	29	19	45	46	46	38	

1234

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
96	29	38	46	46	46	38	83
97	29	57	46	46	46	38	83
98	30	15	46	46	47	38	83
99	30	34	45	46	45	38	85
100	30	52	46	46	47	38	85
101	31	11	46	47	47	38	83
102	31	30	45	46	46	38	85
103	31	48	46	46	47	38	85
104	32	7	46	47	47	38	86
105	32	25	46	47	48	38	85
106	32	44	47	46	48	38	85
107	33	3	48	48	48	38	85
108	33	21	47	47	47	38	86
109	33	40	47	47	47	38	86
110	33	58	47	47	47	39	86
111	34	17	47	48	48	38	86
112	34	36	47	48	47	38	87
113	34	54	48	48	48	38	87
114	35	13	48	48	48	38	87
115	35	31	47	48	48	38	87
116	35	50	48	48	48	38	88
117	36	8	48	48	48	38	88
118	36	27	48	49	48	39	88
119	36	46	48	48	48	38	88
120	37	4	49	49	48	38	88
121	37	23	48	49	48	38	88
122	37	41	48	48	48	38	89
123	38	0	48	49	48	38	88
124	38	19	49	50	48	39	89
125	38	37	49	49	48	38	89
126	38	56	49	49	48	38	89
127	39	14	48	49	48	38	89
128	39	33	49	49	49	38	90
129	39	52	49	49	48	38	89
130	40	10	49	49	48	38	89
131	40	29	49	50	49	39	89
132	40	47	49	50	48	38	90
133	41	6	50	50	51	39	91
134	41	25	50	51	50	38	90
135	41	43	49	50	48	39	90
136	42	2	50	51	49	38	91
137	42	21	50	51	51	38	91
138	42	39	49	50	48	38	91
139	42	58	49	51	49	38	91
140	43	16	50	51	49	38	91
141	43	35	50	51	49	39	91
142	43	54	50	51	50	38	91
143	44	12	51	51	49	39	92
144	44	31	51	51	50	39	92
145	44	49	51	51	51	38	92

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
146	45	8	51	51	50	38	91
147	45	27	51	51	49	38	92
148	45	45	50	51	50	39	92
149	46	4	51	51	50	38	93
150	46	22	51	51	50	39	93
151	46	41	51	52	49	39	93
152	47	0	52	52	50	39	94
153	47	18	51	52	49	39	92
154	47	37	51	51	50	38	92
155	47	56	51	51	51	38	93
156	48	14	51	51	50	38	93
157	48	33	51	52	50	38	93
158	48	51	51	52	50	38	93
159	49	10	52	51	49	38	94
160	49	29	51	51	48	38	93
161	49	47	51	52	45	39	92
162	50	6	51	51	45	39	91
163	50	25	51	51	45	39	91
164	50	43	51	51	48	39	91
165	51	2	51	51	50	39	91
166	51	20	52	52	46	39	91
167	51	39	52	51	48	38	91
168	51	58	52	52	47	39	89
169	52	16	52	51	46	39	90
170	52	35	52	51	44	39	90
171	52	54	52	51	47	39	89
172	53	12	52	52	48	39	89
173	53	31	52	51	49	39	89
174	53	49	52	51	48	39	89
175	54	8	52	51	50	39	89
176	54	27	53	52	48	39	88
177	54	45	53	52	47	39	88
178	55	4	53	51	49	39	88
179	55	23	54	52	50	39	88
180	55	41	52	52	49	39	88
181	56	0	53	52	50	39	88
182	56	18	52	52	49	38	88
183	56	37	53	52	46	39	87
184	56	56	52	52	46	39	87
185	57	14	53	52	47	39	88
186	57	33	53	52	49	39	87
187	57	52	52	51	51	39	87
188	58	10	52	52	48	39	87
189	58	29	52	52	49	39	86
190	58	47	52	51	49	39	87
191	59	6	54	52	49	39	86
192	59	25	53	52	49	39	86
193	59	43	53	52	50	39	86
194	60	2	53	52	49	39	86
195	60	21	53	52	51	39	

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
196	60	39	53	52	48	39	85
197	60	58	53	52	50	39	86
198	61	16	52	52	51	39	86
199	61	35	52	52	51	39	85
200	61	54	53	51	50	38	86
201	62	12	53	52	48	39	85
202	62	31	54	52	48	39	85
203	62	50	53	52	49	39	85
204	63	8	53	53	50	39	86
205	63	27	53	51	50	38	85
206	63	45	53	52	50	39	85
207	64	4	52	51	51	39	85
208	64	23	52	52	52	39	85
209	64	41	53	52	51	39	85
210	65	0	53	52	51	38	85
211	65	19	54	52	51	39	85
212	65	37	53	51	51	39	84
213	65	56	54	52	49	38	85
214	66	14	54	52	52	39	85
215	66	33	54	53	52	39	85
216	66	52	54	53	50	39	85
217	67	10	54	53	51	39	85
218	67	29	54	53	52	39	85
219	67	47	54	52	53	39	85
220	68	6	54	52	52	39	85
221	68	25	54	52	52	39	83
222	68	43	54	52	53	39	83
223	69	2	53	52	52	39	85
224	69	21	54	52	51	39	84
225	69	39	54	52	51	39	84
226	69	58	54	52	50	39	83
227	70	16	54	54	51	39	84
228	70	35	55	54	51	39	85
229	70	54	54	54	52	39	84
230	71	12	55	54	51	39	84
231	71	31	55	54	50	39	84
232	71	50	55	54	49	39	85
233	72	8	55	54	51	39	85
234	72	27	55	53	51	39	85
235	72	45	55	52	54	39	85
236	73	4	55	52	54	39	84
237	73	23	54	53	52	39	84
238	73	41	55	53	52	39	84
239	74	0	55	53	54	39	83
240	74	19	55	53	52	39	84
241	74	37	55	54	54	39	83
242	74	56	55	52	53	39	83
243	75	14	54	52	51	39	83
244	75	33	55	52	49	39	83
245	75	52	55	53	47	39	84

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
246	76	10	55	53	46	39	83
247	76	29	55	53	46	39	83
248	76	48	55	53	45	39	83
249	77	6	55	52	45	39	82
250	77	25	55	52	44	39	83
251	77	44	55	52	44	39	83
252	78	2	55	53	45	39	83
253	78	21	55	53	45	39	83
254	78	39	55	52	44	39	83
255	78	58	55	52	43	39	82
256	79	17	55	53	44	39	83
257	79	35	55	53	44	39	83
258	79	54	55	53	44	39	83
259	80	13	55	52	43	39	83
260	80	31	55	52	44	39	83
261	80	50	55	51	44	39	82
262	81	9	55	53	44	39	83
263	81	27	55	52	43	39	82
264	81	46	55	52	43	39	82
265	82	4	55	52	43	39	82
266	82	23	55	52	43	40	82
267	82	42	55	52	42	40	82
268	83	0	55	52	43	39	82
269	83	19	55	52	43	39	82
270	83	38	55	53	43	39	83
271	83	56	55	53	44	40	83
272	84	15	56	53	44	41	84
273	84	34	56	52	43	40	83
274	84	52	56	52	42	40	83
275	85	11	56	51	42	41	83
276	85	29	56	51	41	40	82
277	85	48	55	51	42	41	82
278	86	7	56	51	42	40	82
279	86	25	56	52	42	40	82
280	86	44	56	51	42	40	82
281	87	3	56	51	41	40	82
282	87	21	55	51	43	40	82
283	87	40	55	51	41	40	82
284	87	59	56	52	42	40	81
285	88	17	56	51	41	39	82
286	88	36	56	51	42	40	82
287	88	55	56	51	42	40	82
288	89	13	56	51	42	40	82
289	89	32	55	51	42	40	82
290	89	51	56	51	42	40	81
291	90	9	56	50	42	40	81
292	90	28	56	51	42	40	82
293	90	47	55	51	41	39	82
294	91	5	56	51	42	40	81
295	91	24	56	51	41	39	

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-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
296	91	43	56	51	42	39	81
297	92	1	55	50	42	39	81
298	92	20	53	49	42	39	83
299	92	39	52	49	43	39	83
300	92	57	51	49	43	39	82
301	93	16	51	49	44	39	82
302	93	35	51	48	43	39	82
303	93	53	51	48	43	39	83
304	94	12	51	48	44	39	83
305	94	30	51	48	44	39	85
306	94	49	51	48	44	39	85
307	95	8	51	48	44	39	85
308	95	26	51	48	44	39	85
309	95	45	51	48	44	39	86
310	96	4	50	48	43	39	86
311	96	22	50	48	44	39	87
312	96	41	51	47	43	39	88
313	97	0	51	48	43	39	88
314	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6 EN L IS AFT DE
1	0	14	46	46	46	48	40	
2	0	32	46	46	46	48	39	
3	0	51	46	46	45	47	39	
4	1	10	46	46	46	47	39	
5	1	28	46	46	45	47	40	
6	1	47	46	46	45	48	39	
7	2	5	46	46	45	47	39	
8	2	24	46	46	46	47	39	
9	2	43	46	46	46	47	39	
10	3	1	46	46	45	48	39	
11	3	20	46	46	45	47	40	
12	3	38	46	46	46	48	39	
13	3	57	46	46	46	47	39	
14	4	15	46	46	46	47	39	
15	4	34	46	46	46	47	39	
16	4	53	46	46	46	47	40	
17	5	11	46	46	45	47	40	
18	5	30	46	46	45	47	40	
19	5	48	46	45	45	47	40	
20	6	7	46	45	46	48	40	
21	6	26	46	46	45	48	39	
22	6	44	48	45	45	47	39	
23	7	3	45	46	45	48	40	
24	7	21	47	45	46	48	39	
25	7	40	46	46	46	48	39	
26	7	59	45	45	45	48	40	
27	8	17	47	45	45	47	39	
28	8	36	45	47	46	47	40	
29	8	54	46	46	46	48	40	
30	9	13	46	45	46	47	39	
31	9	32	46	45	47	47	39	
32	9	50	46	45	45	48	40	
33	10	9	46	46	47	48	40	
34	10	27	46	45	46	48	40	
35	10	46	45	45	46	48	40	
36	11	5	46	45	46	47	39	
37	11	23	46	45	46	47	39	
38	11	42	46	45	46	46	40	
39	12	0	46	46	45	48	40	
40	12	19	46	45	46	47	39	
41	12	38	45	48	46	47	40	
42	12	56	45	45	45	48	39	
43	13	15	45	47	46	47	39	
44	13	33	45	46	46	47		
45	13	52	45	46	45	47		

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HH-53C S/N 68-10754
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

6-06 ENG.2 FUEL CNTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
46	46	48	40	39	39	39	39	39
46	46	48	39	39	39	38	39	39
46	45	47	39	39	39	39	39	39
46	46	47	39	39	38	39	39	39
46	45	47	40	39	39	38	39	39
46	45	46	39	39	39	38	39	39
46	45	47	39	39	39	38	39	39
46	46	47	39	39	39	38	39	39
46	46	47	39	39	39	38	39	39
46	45	48	39	39	39	39	39	39
46	45	47	40	39	39	38	39	39
46	46	48	39	39	39	39	39	39
46	46	47	39	39	39	39	39	39
46	46	47	39	39	39	39	39	39
46	46	47	40	39	39	38	39	39
46	45	47	40	39	39	39	39	39
45	45	47	40	39	39	39	39	39
45	46	48	40	39	39	39	39	39
46	46	48	39	39	39	39	39	38
45	45	47	40	39	39	39	39	39
46	45	48	40	39	39	39	39	39
45	46	48	39	39	38	39	39	39
46	46	48	39	39	39	38	39	39
45	46	48	40	39	39	39	40	39
45	45	47	39	39	39	38	39	40
47	46	47	40	39	39	38	40	40
46	46	48	40	39	39	39	39	39
45	46	47	39	39	39	38	40	40
45	47	47	39	39	39	38	39	39
45	45	48	40	39	39	39	40	40
46	47	48	40	39	39	38	40	39
45	46	48	40	39	39	39	39	39
45	46	48	40	39	39	39	40	40
45	46	47	39	38	39	39	40	40
45	46	47	39	39	39	39	40	40
45	46	46	40	39	39	38	40	41
46	45	48	40	39	39	38	40	40
46	46	47	39	39	39	38	40	40
46	46	47	40	39	39	39	40	40
45	45	48	39	38	39	39	40	39
47	46	47		39	39	38	41	40
46	46	47		39	39	38	41	40
46	45	47						

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6- ENG LO ISO M AFTO DEG
46	14	11	45	47	46	46	40	
47	14	29	47	45	46	47	40	
48	14	48	46	45	46	48	40	
49	15	6	46	45	46	48	40	
50	15	25	46	45	46	48	40	
51	15	44	46	47	46	48	40	
52	16	2	46	45	46	47	40	
53	16	21	46	48	45	48	39	
54	16	39	46	47	46	48	40	
55	16	58	46	48	46	48	40	
56	17	17	46	45	46	48	40	
57	17	35	46	45	46	47	39	
58	17	54	45	48	46	47	40	
59	18	12	45	47	46	47	40	
60	18	31	46	47	46	48	40	
61	18	50	46	46	45	47	40	
62	19	8	46	46	46	48	40	
63	19	27	47	45	46	48	39	
64	19	45	47	48	46	47	40	
65	20	4	46	48	46	47	40	
66	20	23	47	46	46	48	40	
67	20	41	47	46	46	48	40	
68	21	0	48	46	46	48	40	
69	21	18	48	46	47	48	40	
70	21	37	48	46	46	48	40	
71	21	56	47	48	47	48	40	
72	22	14	48	46	46	48	39	
73	22	33	46	48	46	48	40	
74	22	51	48	49	46	48	40	
75	23	10	48	46	47	48	40	
76	23	29	48	46	46	48	40	
77	23	47	50	48	47	48	40	
78	24	6	52	48	48	49	40	
79	24	24	53	47	47	49	40	
80	24	43	53	48	45	48	40	
81	25	2	54	46	45	48	40	
82	25	20	55	46	45	49	40	
83	25	39	56	46	45	48	40	
84	25	57	55	49	45	49	41	
85	26	16	56	48	44	49	40	
86	26	34	55	47	44	49	40	
87	26	53	56	46	44	50	41	
88	27	12	56	47	45	51	41	
89	27	30	56	48	44	52	41	
90	27	49	57	51	44	52	41	
91	28	7	58	51	44	54	41	
92	28	26	58	55	45	54	41	
93	28	45	58	56	44	55	42	
94	29	3	59	57	45	55	42	
95	29	22	60	56	45	56	41	

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6-06 NG.2 FUEL NTRL TLET TEMP EG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
47	46	46	40	39	39	38	40	40
45	46	47	40	39	39	38	41	41
45	46	48	40	39	39	38	41	40
45	46	48	40	39	39	39	41	40
45	46	48	40	39	39	38	41	40
47	46	48	40	39	39	39	41	44
45	46	47	40	39	39	38	41	41
48	45	48	39	39	39	39	41	41
47	46	48	40	39	39	39	41	41
48	46	48	40	39	39	38	42	41
45	46	48	40	39	39	39	41	41
45	46	47	39	39	39	38	41	40
48	46	47	40	39	39	38	41	41
47	46	47	40	39	39	38	41	41
47	46	48	40	39	39	38	41	41
46	45	47	40	39	39	39	41	41
46	46	48	40	39	39	38	41	41
45	46	48	39	39	39	39	41	41
48	46	47	40	39	39	38	41	41
48	46	47	40	39	39	39	41	41
46	46	48	40	39	39	39	42	41
46	46	48	40	39	39	39	42	42
46	46	48	40	39	39	40	42	42
46	47	48	40	39	39	40	43	42
46	46	48	40	39	39	40	42	42
48	47	48	40	39	39	40	42	42
46	46	48	39	39	39	40	42	42
48	46	48	40	39	39	41	43	42
49	46	48	40	39	39	41	42	42
46	47	48	40	39	39	41	43	42
46	46	48	40	39	39	41	43	42
48	47	48	40	39	39	41	43	42
48	48	49	40	39	39	41	42	42
47	47	49	40	39	39	41	42	42
48	45	48	40	39	39	40	42	42
46	45	48	40	39	39	40	42	42
46	45	49	40	39	39	40	42	42
46	45	48	40	40	39	41	43	47
49	45	49	41	40	39	40	42	46
48	44	49	40	40	39	40	41	46
47	44	49	40	40	39	41	41	46
46	44	50	41	40	38	40	41	45
47	45	51	41	40	39	40	42	45
48	44	52	41	40	39	41	40	48
51	44	52	41	41	39	41	41	51
51	44	54	41	41	39	42	42	46
55	45	54	41	41	39	43	42	51
56	44	55	42	41	39	44	41	45
57	45	55	42	41	40	44	41	44
56	45	56	41	41	39	45	42	48

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-01 SHEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	E I AF C
96	29	40	61	58	45	56	42	
97	29	59	60	58	44	57	42	
98	30	18	61	59	45	57	42	
99	30	36	63	59	45	59	42	
100	30	55	62	59	45	59	42	
101	31	13	62	62	45	60	42	
102	31	32	63	61	45	62	43	
103	31	51	63	61	46	62	43	
104	32	9	64	61	47	63	44	
105	32	28	63	64	46	64	44	
106	32	46	63	64	45	65	43	
107	33	5	64	64	46	65	44	
108	33	23	64	65	45	66	44	
109	33	42	65	65	45	66	44	
110	34	1	63	65	45	68	44	
111	34	19	63	67	44	69	44	
112	34	38	63	68	45	69	44	
113	34	56	63	68	45	70	45	
114	35	15	64	68	44	70	45	
115	35	34	63	67	44	71	45	
116	35	52	62	69	45	71	45	
117	36	11	64	69	45	71	45	
118	36	29	63	69	45	71	45	
119	36	48	62	70	45	72	46	
120	37	6	63	71	45	73	46	
121	37	25	62	71	45	73	45	
122	37	44	62	71	45	73	46	
123	38	2	63	70	45	74	46	
124	38	21	63	71	45	75	46	
125	38	39	63	71	45	74	47	
126	38	58	63	70	44	75	47	
127	39	17	63	69	46	74	47	
128	39	35	63	69	45	75	47	
129	39	54	65	68	46	75	48	
130	40	13	64	68	46	75	48	
131	40	31	64	68	46	76	48	
132	40	50	65	67	45	75	48	
133	41	8	65	67	46	76	48	
134	41	27	65	68	46	76	48	
135	41	46	65	67	45	77	48	
136	42	4	66	68	45	76	48	
137	42	23	65	67	46	76	48	
138	42	41	65	67	45	77	49	
139	43	0	66	67	45	76	49	
140	43	19	66	67	45	77	49	
141	43	37	65	68	45	76	48	
142	43	56	65	68	45	77	49	
143	44	14	65	68	46	77	49	
144	44	33	65	68	46	78	49	
145	44	52	65	67	45	77		

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6-06 ENG.2 FUEL NTRL ILET TEMP EG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
58	45	56	42	41	40	45	44	73
58	44	57	42	41	39	46	45	48
59	45	57	42	42	40	47	45	51
59	45	59	42	42	39	48	45	44
59	45	59	42	42	40	48	45	44
62	45	60	42	42	41	48	45	49
61	45	62	43	42	41	49	54	59
61	46	62	43	43	41	50	59	62
61	47	63	44	42	41	49	52	57
64	46	64	44	42	41	49	48	50
64	45	65	43	43	41	49	45	49
64	46	65	44	43	42	51	45	51
65	45	66	44	44	42	49	44	49
65	45	66	44	43	42	51	44	46
65	45	68	44	44	42	51	45	49
67	44	69	44	43	42	51	45	52
68	45	69	44	44	43	51	47	55
68	45	70	45	44	42	52	48	54
68	44	70	45	44	43	52	46	54
67	44	71	45	44	42	52	46	51
69	45	71	45	44	43	51	46	52
69	45	71	45	44	44	51	46	81
69	45	71	45	45	44	52	46	49
70	45	72	46	45	44	51	46	49
71	45	73	46	45	44	51	45	49
71	45	73	45	45	44	51	46	46
71	45	73	46	45	44	51	46	46
70	45	74	46	45	44	51	46	47
71	45	75	46	45	45	51	46	50
71	45	74	47	46	45	52	46	49
70	44	75	47	45	45	52	46	46
69	46	74	47	46	45	51	45	47
69	45	75	47	46	45	51	45	46
68	46	75	48	46	46	52	46	48
68	46	75	48	46	46	52	45	46
68	46	76	48	46	46	53	46	48
67	45	75	48	46	46	52	45	48
67	46	76	48	47	46	52	46	48
68	46	75	48	47	47	52	46	48
67	45	77	48	46	47	52	46	47
68	45	76	48	47	47	52	46	50
67	46	76	48	47	48	52	46	51
67	45	77	49	48	47	53	45	47
67	45	76	49	47	48	53	45	46
67	45	77	49	48	48	53	46	46
68	45	76	48	47	48	53	45	47
68	45	77	49	48	48	53	45	49
68	46	77	49	48	49	53	46	48
68	46	78	49	48	49	54	45	47
67	45	77		48	48	54	46	47

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	A
146	45	10	65	68	45	78	49	
147	45	29	65	68	45	76	50	
148	45	47	65	68	45	78	49	
149	46	6	66	69	45	78	50	
150	46	25	65	70	45	78	50	
151	46	43	65	68	45	78	51	
152	47	2	66	68	46	78	51	
153	47	21	65	69	45	78	51	
154	47	39	65	69	45	78	51	
155	47	58	65	68	45	77	50	
156	48	16	65	69	45	77	51	
157	48	35	65	67	45	77	51	
158	48	54	65	68	45	78	51	
159	49	12	64	68	45	78	51	
160	49	31	61	61	44	78	51	
161	49	50	59	59	43	76	51	
162	50	8	59	59	43	76	51	
163	50	27	58	59	44	76	52	
164	50	45	59	60	45	76	51	
165	51	4	60	59	45	76	51	
166	51	23	62	58	46	76	51	
167	51	41	62	56	46	75	51	
168	52	0	63	56	46	75	51	
169	52	19	64	58	46	74	51	
170	52	37	64	56	46	74	51	
171	52	56	64	56	46	74	51	
172	53	14	64	55	46	74	51	
173	53	33	65	56	46	74	51	
174	53	52	65	57	46	73	51	
175	54	10	65	57	46	73	51	
176	54	29	65	56	46	73	51	
177	54	48	65	55	46	72	51	
178	55	6	66	56	45	72	51	
179	55	25	65	56	45	72	51	
180	55	43	66	58	46	71	51	
181	56	2	63	62	44	72	51	
182	56	21	60	63	43	71	51	
183	56	39	59	64	44	72	51	
184	56	58	59	65	44	72	51	
185	57	17	58	67	43	71	51	
186	57	35	58	66	44	72	51	
187	57	54	56	67	44	72	51	
188	58	12	56	68	43	72	51	
189	58	31	56	67	44	72	51	
190	58	50	56	67	43	72	51	
191	59	8	56	68	43	72	51	
192	59	27	56	68	44	73	51	
193	59	46	56	68	43	73	51	
194	60	4	56	68	43	73	51	
[illegible]	[illegible]	[illegible]	56	68	43	73	51	

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6-06 NG.2 FUEL NTRL TLET TEMP EG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
68	45	78	49	48	48	54	46	48
68	45	76	50	48	49	54	45	48
68	45	78	49	48	49	53	46	48
69	45	73	50	48	49	54	46	48
70	45	78	50	49	50	55	46	48
68	45	78	51	49	51	53	46	49
68	46	78	51	49	51	54	46	48
69	45	78	51	49	51	54	46	48
69	45	78	51	49	51	53	46	47
68	45	77	50	49	51	53	46	46
69	45	77	51	49	51	53	45	46
67	45	77	51	49	51	51	45	46
68	45	78	51	49	51	52	43	45
68	45	78	51	49	51	51	43	45
61	44	78	51	49	52	50	41	48
59	43	76	51	49	52	49	40	44
59	43	76	51	49	53	50	40	48
59	44	76	52	49	52	50	40	46
60	45	76	51	49	52	51	41	41
59	45	76	51	49	52	51	40	48
58	46	76	51	49	53	51	41	42
56	46	75	51	49	53	51	40	41
56	46	75	51	49	54	50	40	44
58	46	74	51	49	54	51	40	44
56	46	74	51	49	54	50	39	48
56	46	74	51	49	53	50	39	44
55	46	74	51	49	53	51	39	44
56	46	74	51	49	54	51	39	44
57	46	73	51	49	54	51	40	41
57	46	73	51	49	55	51	40	43
56	46	73	51	49	54	51	39	43
55	46	72	51	49	54	51	39	44
56	45	72	51	49	54	51	40	43
56	45	72	51	49	54	50	39	43
58	46	71	51	49	55	52	41	45
62	44	72	51	49	54	51	39	42
63	43	71	51	49	54	50	38	43
64	44	72	51	49	54	49	38	45
65	44	72	51	49	54	49	39	42
67	43	71	51	49	55	49	38	42
66	44	72	51	49	55	49	38	41
67	44	72	51	49	54	49	38	43
68	43	72	51	49	54	48	38	45
67	44	72	51	49	54	48	38	48
67	43	72	51	49	55	48	38	43
68	43	72	51	49	55	48	38	42
68	44	73	51	49	55	48	38	45
68	43	73	51	49	54	48	38	45
68	43	73	51	49	55	48	38	42
[illegible]	[illegible]	[illegible]	51	49	54	48	38	44

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
196	60	41	57	68	44	75	51
197	61	0	56	68	43	75	51
198	61	19	55	70	44	75	51
199	61	37	56	68	44	75	52
200	61	56	56	69	44	76	51
201	62	15	55	69	44	75	51
202	62	33	55	69	44	76	51
203	62	52	56	69	44	76	51
204	63	10	56	70	44	77	52
205	63	29	56	71	44	77	52
206	63	48	56	69	44	77	51
207	64	6	56	69	44	77	52
208	64	25	56	69	44	78	52
209	64	44	56	69	44	78	51
210	65	2	56	69	44	78	51
211	65	21	56	70	45	79	52
212	65	39	56	70	44	78	52
213	65	58	56	69	44	79	51
214	66	17	58	70	45	80	52
215	66	35	57	69	44	80	51
216	66	54	57	70	44	80	52
217	67	13	57	71	44	81	52
218	67	31	57	70	45	81	51
219	67	50	57	70	44	81	52
220	68	8	58	70	44	81	52
221	68	27	57	71	44	80	52
222	68	46	57	71	45	80	52
223	69	4	57	70	44	81	51
224	69	23	56	71	44	80	51
225	69	41	56	71	44	81	52
226	70	0	56	70	44	81	51
227	70	19	59	71	46	82	52
228	70	37	60	65	46	82	52
229	70	56	61	62	46	81	51
230	71	15	62	60	47	80	51
231	71	33	62	59	46	80	51
232	71	52	63	60	47	80	52
233	72	10	62	59	46	80	51
234	72	29	63	60	47	80	51
235	72	48	64	58	47	79	51
236	73	6	65	59	46	79	51
237	73	25	64	58	46	78	51
238	73	44	65	59	46	78	51
239	74	2	65	59	46	78	51
240	74	21	65	58	47	77	51
241	74	39	66	58	46	76	51
242	74	58	66	58	46	75	51
243	75	17	65	58	46	75	51
244	75	35	66	58	46	76	51
245	75	54	66	59	46	75	

6-06 ENG.2 FUEL CNTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD SOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
68	44	75	51	49	54	48	38	48
68	43	75	51	49	54	48	38	42
70	44	75	51	49	54	48	38	45
68	44	75	52	49	54	47	38	66
69	44	76	51	49	54	47	38	42
69	44	75	51	49	54	47	38	51
69	44	76	51	49	54	47	38	42
69	44	76	51	49	54	48	38	43
70	44	77	52	49	54	47	38	43
71	44	77	52	49	54	47	38	45
69	44	77	51	49	54	47	38	45
69	44	77	52	49	54	47	38	44
69	44	78	52	49	54	47	38	45
69	44	78	51	49	54	47	38	44
69	44	78	51	50	54	47	38	54
70	45	79	52	50	54	48	38	41
70	44	78	52	49	53	48	39	44
69	44	79	51	49	53	46	38	44
70	45	80	52	49	53	49	40	44
69	44	80	51	50	53	47	38	45
70	44	80	52	49	53	47	38	47
71	44	81	52	49	53	46	38	44
70	45	81	51	49	53	46	38	42
70	44	81	52	50	53	46	38	45
70	44	81	52	49	53	46	37	45
71	44	80	52	50	52	46	38	40
71	45	80	52	50	52	46	37	38
70	44	81	51	49	52	46	38	44
71	44	80	51	49	52	47	37	41
71	44	81	52	49	52	46	37	45
70	44	81	51	49	52	46	37	48
71	46	82	52	50	53	49	40	40
65	46	82	52	50	52	47	40	44
62	46	81	51	49	52	47	39	43
60	47	80	51	49	52	43	39	44
59	46	80	51	49	52	46	39	44
60	47	80	52	49	52	47	39	45
59	46	80	51	49	52	47	39	42
60	47	80	51	50	52	47	39	44
58	47	79	51	50	52	48	38	45
59	46	79	51	49	52	48	39	42
58	46	78	51	50	52	48	39	44
59	46	78	51	50	52	48	39	44
59	46	78	51	49	52	48	38	44
58	47	77	51	49	52	48	39	42
58	46	76	51	49	52	48	39	43
58	46	75	51	50	52	48	38	43
58	46	75	51	49	52	48	39	45
58	46	76	51	49	52	48	38	42
58	46	76	51	49	52	48	38	43

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6- ENG L ISO AFT DE
246	76	13	66	57	46	74	51	
247	76	31	66	58	46	74	51	
248	76	50	66	58	47	73	51	
249	77	9	66	57	45	73	49	
250	77	27	66	58	46	72	50	
251	77	46	66	57	46	72	50	
252	78	4	66	57	47	72	50	
253	78	23	66	59	50	72	50	
254	78	42	67	58	48	72	50	
255	79	0	67	58	47	70	50	
256	79	19	67	57	46	70	49	
257	79	38	67	58	48	70	49	
258	79	56	67	58	47	70	49	
259	80	15	67	58	47	70	49	
260	80	34	67	57	46	69	49	
261	80	52	66	58	47	69	49	
262	81	11	67	59	46	69	49	
263	81	29	68	57	46	68	49	
264	81	48	67	59	47	68	49	
265	82	7	67	59	46	69	49	
266	82	25	67	58	46	67	49	
267	82	44	67	58	46	68	49	
268	83	3	67	58	46	67	49	
269	83	21	67	58	46	66	48	
270	83	40	66	61	46	67	48	
271	83	59	66	63	46	67	49	
272	84	17	63	61	45	67	49	
273	84	36	61	59	45	67	49	
274	84	54	60	59	44	67	49	
275	85	13	60	59	44	66	49	
276	85	32	60	59	45	66	49	
277	85	50	60	59	45	67	49	
278	86	9	60	59	45	68	49	
279	86	28	59	59	45	67	49	
280	86	46	59	59	45	66	49	
281	87	5	59	60	45	67	49	
282	87	24	58	60	45	67	48	
283	87	42	58	60	45	68	48	
284	88	1	58	60	45	69	49	
285	88	20	59	61	45	68	48	
286	88	38	58	59	45	68	49	
287	88	57	58	61	45	69	48	
288	89	16	58	62	45	69	49	
289	89	34	59	60	44	68	49	
290	89	53	58	61	45	69	49	
291	90	12	58	60	45	70	49	
292	90	30	58	61	45	71	49	
293	90	49	58	60	45	69	49	
294	91	8	58	61	45	70	49	
[illegible]	[illegible]	26	58	61	45	71	48	

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6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
57	46	74	51	49	53	48	39	43
58	46	74	51	49	52	48	39	43
58	47	73	51	49	52	48	39	43
57	45	73	49	49	52	48	39	42
58	46	72	50	49	52	48	39	66
57	46	72	50	49	53	49	39	43
57	47	72	50	49	52	49	39	42
59	50	72	50	49	53	49	39	43
58	48	72	50	49	52	48	38	42
58	47	70	50	48	52	49	38	42
57	46	70	49	49	53	49	39	51
58	48	70	49	49	52	48	38	44
58	47	70	49	49	53	48	39	44
58	47	70	49	48	53	48	38	41
57	46	69	49	48	53	49	38	45
58	47	69	49	48	52	49	38	42
59	46	69	49	49	52	49	39	43
57	46	68	49	48	53	49	38	44
59	47	68	49	48	53	49	38	42
59	46	69	49	48	53	48	38	43
58	46	67	49	48	53	48	38	44
58	46	68	49	48	54	48	38	44
58	46	67	49	48	53	46	39	41
58	46	66	48	48	53	49	39	43
61	46	67	48	48	53	50	40	42
63	46	67	49	48	53	51	41	66
61	45	67	49	49	54	49	39	46
59	45	67	49	48	54	49	38	45
59	44	67	49	49	54	49	38	45
59	44	66	49	49	54	49	38	44
59	45	66	49	48	54	49	38	43
59	45	67	49	49	54	49	38	45
59	45	68	49	48	54	48	38	45
59	45	67	49	48	53	49	38	45
59	45	66	49	48	54	49	38	51
59	45	67	49	48	54	49	38	44
60	45	67	48	48	54	49	39	45
60	45	68	48	48	54	49	38	44
60	45	69	49	48	53	48	38	42
60	45	68	48	48	54	49	38	43
61	45	68	49	48	54	49	38	43
59	45	69	48	48	54	48	38	40
61	45	69	49	48	54	48	38	44
62	45	68	49	48	54	48	38	44
60	44	69	49	48	54	49	38	44
61	45	70	49	48	54	48	38	42
60	45	71	49	48	54	49	38	45
61	45	69	49	48	54	48	38	45
60	45	70	49	48	54	48	38	43
61	45	71	48	48	54	48	38	44
61	45							

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
296	91	45	58	60	45	70	49
297	92	4	58	60	45	71	49
298	92	22	59	63	45	72	49
299	92	41	59	63	46	72	49
300	92	59	60	64	46	71	49
301	93	18	61	65	45	72	49
302	93	37	61	66	46	73	49
303	93	55	62	67	47	73	48
304	94	14	63	66	48	73	49
305	94	33	64	66	47	73	49
306	94	51	64	66	48	75	49
307	95	10	66	66	48	78	49
308	95	29	66	65	49	80	51
309	95	47	67	66	49	83	53
310	96	6	68	66	49	86	53
311	96	25	68	66	50	88	53
312	96	43	69	66	51	90	53
313	97	2	70	66	51	92	54
314	*	*	*	*	*	*	*

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6-06 NG.2 FUEL NTRL TLET TEMP EG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
60	45	70	49	48	54	48	39	55
60	45	71	49	48	54	48	38	48
63	45	72	49	48	54	50	41	44
63	46	72	49	48	54	50	41	40
64	46	71	49	48	54	51	41	41
65	45	72	49	48	54	51	42	41
66	46	73	49	48	53	51	42	43
67	47	73	48	48	54	52	42	45
66	48	73	49	48	53	52	43	69
66	47	73	49	48	54	53	45	54
66	48	75	49	48	54	53	46	52
66	48	78	49	49	53	53	48	55
65	49	80	51	50	54	53	53	57
66	49	83	53	52	53	55	58	59
66	49	86	53	52	54	52	60	54
66	50	88	53	52	54	51	63	55
66	51	90	53	53	54	51	65	57
66	51	92	54	53	54	51	67	58
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	E I S C
1	0	14	39	44	44	44	44	
2	0	32	39	44	44	44	43	
3	0	51	39	44	44	44	44	
4	1	10	39	45	44	44	45	
5	1	28	39	45	44	44	45	
6	1	47	39	45	44	44	45	
7	2	5	39	45	44	44	45	
8	2	24	39	45	44	44	45	
9	2	43	39	45	44	44	45	
10	3	1	38	45	44	44	45	
11	3	20	39	45	45	44	45	
12	3	38	39	44	44	44	44	
13	3	57	39	44	44	44	44	
14	4	15	39	44	44	44	44	
15	4	34	39	44	44	44	44	
16	4	53	39	45	44	43	44	
17	5	11	39	44	44	43	43	
18	5	30	39	44	44	44	44	
19	5	48	39	44	44	44	44	
20	6	7	45	45	44	44	46	
21	6	26	45	45	44	45	46	
22	6	44	45	46	45	45	45	
23	7	3	45	46	46	45	45	
24	7	21	46	45	45	45	46	
25	7	40	45	46	45	45	45	
26	7	59	46	45	45	45	45	
27	8	17	45	45	46	45	45	
28	8	36	46	45	45	45	45	
29	8	54	45	45	45	45	47	
30	9	13	46	46	45	45	46	
31	9	32	46	46	45	45	46	
32	9	50	46	46	46	46	47	
33	10	9	45	45	45	46	47	
34	10	27	46	45	45	46	48	
35	10	46	46	46	45	46	46	
36	11	5	47	46	46	46	47	
37	11	23	46	47	46	47	46	
38	11	42	46	46	46	46	46	
39	12	0	47	45	46	47	48	
40	12	19	46	46	47	47	46	
41	12	38	46	45	46	46	46	
42	12	56	46	46	46	46	46	
43	13	15	47	46	46	46	47	
44	13	33	46	45	46	47	48	
45	13	52	45	46	46	47	47	

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

6-16 ENG.1 INLET LIP SURF. 3.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
44	44	44	44	45	40	38	39	38
44	44	44	43	45	40	38	39	38
44	44	44	44	45	40	38	39	39
45	44	44	45	45	39	39	39	39
45	44	44	45	45	40	38	39	39
45	44	44	45	45	40	38	39	38
45	44	44	45	45	40	38	39	39
45	44	44	45	45	40	38	39	38
45	44	44	45	45	40	38	39	38
45	44	44	45	45	40	38	39	39
45	45	44	45	45	40	38	39	39
44	44	44	44	45	40	38	39	38
44	44	44	44	45	40	39	39	39
44	44	44	44	45	40	39	40	39
44	44	44	44	45	40	39	39	39
45	44	43	44	45	40	39	39	38
44	44	43	43	45	40	39	39	38
44	44	44	44	45	40	39	39	39
44	44	44	44	45	40	39	39	39
45	44	44	46	45	40	38	39	39
45	44	45	46	45	40	39	39	39
46	45	45	45	45	40	38	39	39
46	46	45	45	45	40	39	39	39
45	45	45	46	45	40	38	39	39
46	45	45	45	45	40	39	39	39
45	45	45	45	45	40	38	39	38
45	46	45	45	45	40	39	39	39
45	45	45	45	45	40	38	39	39
45	45	45	47	46	40	39	39	39
46	45	45	46	45	40	39	39	39
46	45	45	46	45	41	39	39	39
46	46	46	47	46	40	39	39	39
45	45	46	47	46	40	39	40	39
45	45	46	48	47	41	39	39	39
46	46	46	46	46	40	39	39	39
46	46	46	47	46	41	39	39	39
47	46	47	46	48	40	39	39	39
46	46	46	46	47	41	39	40	39
45	46	47	48	46	41	39	39	39
46	47	47	46	48	41	39	39	39
45	46	46	46	48	41	39	39	39
46	46	46	46	47	41	39	39	39
46	46	46	47	48	41	39	39	39
45	46	47	48	48	41	39	40	39
46	46	47	47	48	41	39	40	39

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
46	14	11	45	46	47	48	48
47	14	29	46	48	48	48	48
48	14	48	48	47	48	49	48
49	15	6	48	48	49	49	49
50	15	25	48	48	48	49	49
51	15	44	47	49	48	49	49
52	16	2	48	46	48	49	49
53	16	21	48	48	49	49	51
54	16	39	48	48	49	49	51
55	16	58	47	48	48	49	49
56	17	17	48	48	48	49	49
57	17	35	48	46	49	49	49
58	17	54	46	48	48	49	50
59	18	12	47	49	49	50	50
60	18	31	48	48	49	50	49
61	18	50	42	48	49	50	50
62	19	8	42	48	49	50	51
63	19	27	42	49	50	49	51
64	19	45	42	48	49	50	51
65	20	4	42	49	51	50	52
66	20	23	43	49	51	51	52
67	20	41	43	50	51	51	53
68	21	0	43	50	51	51	52
69	21	18	43	50	51	52	52
70	21	37	43	50	51	52	52
71	21	56	43	51	51	52	52
72	22	14	43	50	51	52	53
73	22	33	44	50	52	52	54
74	22	51	43	50	51	52	53
75	23	10	44	50	52	54	53
76	23	29	44	51	51	51	52
77	23	47	44	49	50	50	51
78	24	6	47	48	50	48	49
79	24	24	45	48	50	49	51
80	24	43	46	49	49	48	54
81	25	2	43	48	48	48	48
82	25	20	45	48	48	48	49
83	25	39	45	48	47	46	45
84	25	57	44	48	48	51	47
85	26	16	44	46	47	45	46
86	26	34	42	48	46	46	48
87	26	53	42	47	46	46	46
88	27	12	42	45	46	46	46
89	27	30	41	45	46	45	49
90	27	49	41	48	47	51	47
91	28	7	44	47	47	46	48
92	28	26	42	47	46	48	48
93	28	45	42	46	47	47	49
94	29	3	42	48	46	46	
95	29	22	42				

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6-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
LET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
RF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
2.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
46	47	48	48	48	41	40	40	39
48	48	48	48	48	41	41	40	39
47	48	49	48	49	42	40	40	39
48	49	49	49	49	42	40	40	39
48	48	49	49	49	42	40	40	39
49	48	49	49	49	42	40	40	39
46	48	49	49	48	42	40	40	39
48	49	49	49	49	42	40	40	39
48	49	49	51	49	42	41	40	40
48	48	49	51	49	42	41	41	39
48	48	49	49	49	43	40	40	39
46	49	49	49	49	42	40	40	39
48	48	49	49	49	42	40	40	39
49	49	50	50	50	42	41	40	39
50	49	50	50	50	42	41	40	39
48	49	50	49	49	42	40	41	39
48	49	50	50	49	42	41	42	40
49	49	50	51	49	44	41	44	42
48	50	49	51	50	44	42	44	44
49	49	50	51	50	44	41	43	43
49	51	50	52	50	44	41	43	43
50	51	51	52	51	44	41	42	41
50	51	51	53	51	44	41	41	41
50	51	51	52	51	43	41	40	40
50	51	52	52	51	42	41	40	39
51	51	52	52	51	42	41	40	39
50	51	52	52	52	43	41	39	39
50	51	52	53	52	42	41	39	39
50	52	52	54	52	41	42	39	39
50	51	52	53	52	41	42	38	39
51	52	54	53	52	41	41	42	39
49	51	51	52	51	49	42	56	41
48	50	50	51	50	46	43	50	42
48	50	48	49	49	45	43	48	44
49	50	49	51	50	44	44	47	44
48	49	48	54	48	44	43	47	44
48	48	48	48	49	44	43	47	45
48	48	48	49	45	45	44	48	45
48	47	46	45	48	44	42	47	45
48	48	51	47	48	44	42	48	45
46	47	45	46	48	44	43	48	45
48	45	46	48	46	45	43	49	46
47	46	46	48	48	46	43	50	45
45	46	46	46	48	46	42	50	46
45	46	45	49	48	46	42	51	45
48	47	51	47	48	48	44	51	46
47	47	46	48	48	47	44	52	47
47	46	48	48	48	48	44	52	47
46	47	47	49	48	48	43	54	48
48	46	48		49	48	44	52	47

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-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
96	29	40	47	48	47	46	49
97	29	59	46	49	48	48	50
98	30	18	46	49	48	51	50
99	30	36	44	50	48	49	49
100	30	55	45	48	49	49	49
101	31	13	45	50	48	49	49
102	31	32	55	-6	98	71	64
103	31	51	73	65	67	66	66
104	32	9	55	60	61	61	60
105	32	28	53	54	56	58	56
106	32	46	49	52	53	55	54
107	33	5	48	51	51	52	52
108	33	23	45	49	49	51	51
109	33	42	44	50	49	51	50
110	34	1	47	50	48	48	49
111	34	19	46	49	48	48	50
112	34	38	48	50	49	49	50
113	34	56	49	51	49	49	51
114	35	15	46	50	49	51	50
115	35	34	46	50	49	51	50
116	35	52	46	50	49	49	49
117	36	11	46	49	49	48	49
118	36	29	45	50	48	49	49
119	36	48	46	49	49	48	49
120	37	6	47	49	49	49	49
121	37	25	48	49	49	48	49
122	37	44	46	50	48	46	48
123	38	2	44	50	48	49	49
124	38	21	48	49	48	50	49
125	38	39	47	51	49	50	49
126	38	58	45	51	49	49	50
127	39	17	46	49	48	51	49
128	39	35	44	49	49	48	49
129	39	54	48	49	49	51	49
130	40	13	46	51	48	52	49
131	40	31	49	49	48	48	49
132	40	50	51	49	48	50	49
133	41	8	49	49	48	51	49
134	41	27	48	50	48	49	49
135	41	46	49	48	48	47	49
136	42	4	49	48	48	49	49
137	42	23	51	48	48	49	49
138	42	41	48	51	47	48	48
139	43	0	48	49	46	49	49
140	43	19	51	49	46	48	48
141	43	37	49	50	48	49	49
142	43	56	47	48	47	49	49
143	44	14	48	49	48	48	49
144	44	33	45	48	48	47	49
145	44	52	48	49	48	46	50

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
48	47	46	49	49	49	45	53	48
49	48	48	50	49	50	46	54	48
49	48	51	50	49	51	46	55	48
50	48	49	49	49	51	47	55	48
48	49	49	49	50	51	46	54	49
50	48	49	49	49	52	47	55	50
-6	98	71	64	59	53	46	56	49
65	67	66	66	64	54	46	56	49
60	61	61	60	59	54	45	56	49
54	56	58	56	56	53	45	56	48
52	53	55	54	54	52	45	55	48
51	51	52	52	51	52	45	55	49
49	49	51	51	51	52	45	54	48
50	49	51	50	50	51	47	54	49
50	48	48	49	50	52	47	56	49
49	48	48	50	49	52	46	56	49
51	49	49	50	51	53	47	56	49
51	49	49	51	51	54	48	58	50
50	49	51	50	49	54	48	58	50
50	49	51	50	49	53	48	58	49
50	49	49	49	50	54	47	58	49
49	49	48	49	49	53	46	57	50
50	48	49	49	49	54	47	57	49
49	49	48	49	49	52	48	57	50
49	49	49	49	50	53	47	57	49
49	49	48	49	49	53	48	57	49
50	48	46	48	49	53	47	56	49
50	48	49	49	49	54	47	57	49
49	48	50	49	49	54	48	57	49
51	49	50	49	50	54	47	58	50
51	49	49	50	50	53	48	57	50
49	48	51	49	50	54	47	57	49
49	49	48	49	49	52	47	55	49
49	49	51	49	49	54	47	57	49
51	48	52	49	49	54	47	56	50
49	48	48	49	50	54	48	57	51
49	48	50	49	50	54	47	56	50
49	48	51	49	49	54	47	57	50
50	48	49	49	49	55	47	58	50
48	48	47	49	49	55	48	57	49
48	48	49	49	49	54	46	57	49
48	48	49	49	49	53	46	56	49
51	47	48	48	49	54	47	58	49
49	46	49	49	49	54	48	56	49
49	46	48	48	49	54	48	56	49
50	48	49	49	49	53	46	56	49
48	47	49	49	48	53	47	56	49
49	48	48	49	50	53	47	56	49
48	48	47	49	51	52	47	56	49
49	48	46	50	50	53	47	56	49

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
146	45	10	46	48	48	51	50
147	45	29	48	48	48	48	48
148	45	47	47	49	48	50	49
149	46	6	46	49	48	49	50
150	46	25	44	48	48	48	49
151	46	43	45	51	48	46	49
152	47	2	48	46	48	51	49
153	47	21	45	49	48	51	49
154	47	39	47	49	47	48	48
155	47	58	47	48	47	51	48
156	48	16	47	50	48	48	48
157	48	35	44	50	47	54	48
158	48	54	42	47	46	46	48
159	49	12	43	46	46	47	48
160	49	31	40	46	46	48	48
161	49	50	42	46	47	44	45
162	50	8	41	46	45	44	45
163	50	27	47	47	46	48	45
164	50	45	43	45	45	45	48
165	51	4	41	45	45	44	45
166	51	23	41	45	45	44	48
167	51	41	40	45	45	48	48
168	52	0	42	44	44	47	47
169	52	19	42	44	44	45	51
170	52	37	42	44	45	46	46
171	52	56	42	44	44	44	46
172	53	14	42	44	44	43	46
173	53	33	42	45	45	51	47
174	53	52	40	45	44	44	46
175	54	10	44	43	44	45	47
176	54	29	41	44	43	45	46
177	54	48	42	44	44	42	46
178	55	6	41	45	44	44	45
179	55	25	42	43	43	44	45
180	55	43	41	45	44	44	46
181	56	2	44	45	45	45	46
182	56	21	40	45	44	44	45
183	56	39	42	44	44	43	43
184	56	58	43	45	44	43	44
185	57	17	44	45	44	44	44
186	57	35	40	45	44	43	45
187	57	54	38	45	45	43	44
188	58	12	41	45	44	42	45
189	58	31	41	44	44	43	42
190	58	50	39	45	41	41	45
191	59	8	38	44	44	43	45
192	59	27	39	45	44	42	45
193	59	46	39	44	44	43	42
194	60	4	41	45	44	44	48
195	60	23	38	45	45	45	

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6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
48	48	51	50	49	54	47	56	50
48	48	48	46	49	52	48	56	49
49	48	50	49	49	53	46	57	50
49	48	49	50	49	54	47	58	50
48	48	48	49	46	53	47	57	49
51	48	46	49	49	55	47	58	49
46	48	51	49	46	55	46	57	49
49	48	51	49	48	55	47	57	50
49	47	48	48	45	56	46	58	49
48	47	51	48	48	55	46	58	49
50	48	48	48	47	55	46	58	49
50	47	54	48	48	54	46	56	48
47	46	46	48	48	53	45	55	47
46	46	47	48	47	52	45	54	46
46	46	48	48	40	45	44	51	46
46	47	44	45	41	44	44	51	48
46	45	44	45	44	44	44	52	48
47	46	48	45	43	45	45	52	48
45	45	45	48	47	47	44	55	48
45	45	44	45	48	45	45	51	48
45	45	44	48	47	44	45	51	48
45	45	48	48	45	44	45	49	47
44	44	47	47	46	44	44	48	46
44	44	45	51	47	44	44	48	46
44	45	46	46	46	43	44	47	45
44	44	44	46	45	44	43	48	45
44	44	43	46	44	44	44	47	46
45	45	51	47	47	44	43	47	45
45	44	44	46	44	44	43	47	45
43	44	45	47	44	44	43	46	45
44	43	45	46	44	44	44	46	45
44	44	42	46	44	43	43	46	45
45	44	44	45	44	43	43	46	44
43	43	44	45	46	44	43	46	44
45	44	44	46	46	45	44	49	45
45	45	45	46	40	44	43	48	45
45	44	44	45	42	42	42	48	45
44	44	43	43	39	42	42	49	45
45	44	43	44	39	43	43	51	46
45	44	44	44	39	43	42	52	46
45	44	43	45	39	44	42	52	46
45	45	43	44	39	43	42	52	46
45	44	42	45	39	43	42	52	46
44	44	43	42	39	44	42	52	46
45	44	41	45	39	44	42	52	47
44	44	43	45	39	43	42	52	47
45	44	42	45	41	44	43	53	47
44	44	43	42	40	44	43	53	47
45	44	44	48	39	44	42	53	47
45	45	45		40	45	42	53	47

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
196	60	41	39	46	44	44	45
197	61	0	38	44	45	45	42
198	61	19	40	44	44	44	46
199	61	37	40	44	44	43	42
200	61	56	39	45	44	42	45
201	62	15	38	45	44	42	44
202	62	33	38	45	45	42	48
203	62	52	44	45	44	44	47
204	63	10	39	45	44	43	43
205	63	29	44	45	44	42	44
206	63	48	40	45	44	45	42
207	64	6	51	45	44	42	44
208	64	25	39	45	45	43	47
209	64	44	55	45	44	43	42
210	65	2	40	45	43	43	44
211	65	21	38	45	44	43	44
212	65	39	41	45	44	42	44
213	65	58	39	44	44	51	43
214	66	17	47	42	41	48	43
215	66	35	39	44	44	42	45
216	66	54	38	44	44	42	41
217	67	13	38	44	44	47	45
218	67	31	38	44	48	42	43
219	67	50	38	44	42	43	44
220	68	8	38	45	44	42	44
221	68	27	38	44	44	42	51
222	68	46	38	45	44	42	44
223	69	4	38	44	44	44	45
224	69	23	37	44	44	42	44
225	69	41	37	44	44	43	44
226	70	0	38	44	44	45	45
227	70	19	41	43	44	44	43
228	70	37	39	42	42	45	42
229	70	56	39	43	44	41	41
230	71	15	39	43	43	42	41
231	71	33	39	43	43	44	45
232	71	52	40	43	44	42	43
233	72	10	39	43	44	44	42
234	72	29	39	42	43	43	42
235	72	48	51	44	43	44	45
236	73	6	39	44	43	43	44
237	73	25	43	43	42	46	44
238	73	44	45	43	42	43	44
239	74	2	40	43	43	41	45
240	74	21	39	44	42	42	43
241	74	39	43	44	42	44	46
242	74	58	42	42	43	42	44
243	75	17	41	44	42	41	45
244	75	35	45	42	43	44	44
245	75	54	40	44	43	44	46

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
46	44	44	45	40	44	43	53	47
44	45	45	42	39	44	43	53	46
44	44	44	46	44	45	42	54	47
44	44	43	42	39	45	42	53	47
45	44	42	45	40	44	42	53	47
45	44	42	44	39	45	43	52	47
45	45	42	43	39	44	43	53	48
45	44	44	47	39	44	43	52	47
45	44	43	43	39	44	43	53	47
45	44	42	44	42	44	43	53	47
45	44	45	42	39	44	43	54	47
45	44	42	44	39	44	42	52	48
45	45	43	47	39	45	44	54	48
45	44	43	42	39	45	43	53	47
45	43	43	44	39	44	42	53	47
45	44	43	44	39	44	43	54	48
45	44	42	44	39	45	42	54	48
44	44	51	43	39	45	43	54	47
42	41	48	43	45	48	44	55	48
44	44	42	45	39	44	43	51	46
44	44	42	41	40	43	43	51	46
44	44	47	45	38	42	43	50	46
44	48	42	43	39	44	42	52	46
44	42	43	44	39	44	42	52	46
45	44	42	44	39	45	42	51	46
44	44	42	51	39	44	42	51	46
45	44	42	44	39	44	42	52	46
44	44	44	45	38	44	42	51	46
44	44	42	44	39	43	42	51	46
44	44	43	44	38	43	42	51	46
44	44	45	45	39	42	42	50	46
43	44	44	48	47	46	44	53	48
42	42	45	42	48	45	44	52	47
43	44	41	41	44	43	43	49	46
43	43	42	41	43	42	42	48	45
43	43	44	45	44	42	42	48	45
43	44	42	43	41	42	43	47	45
43	44	44	42	43	42	42	46	44
42	43	43	42	43	42	42	46	45
44	43	44	45	43	44	42	47	45
44	43	43	44	44	43	42	46	44
43	42	46	44	41	42	42	45	44
43	42	43	44	42	41	42	46	44
43	43	41	45	43	43	41	46	44
44	42	42	43	43	42	42	46	44
44	42	44	46	42	42	42	46	44
42	43	42	44	42	42	42	46	44
44	42	41	45	51	42	42	46	44
42	43	44	44	44	42	41	46	44
44	43	44	46	42	42	42	46	44

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-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	E I S D
246	76	13	40	43	42	41	45	
247	76	31	40	44	42	42	44	
248	76	50	40	43	43	41	45	
249	77	9	40	43	42	42	43	
250	77	27	39	43	42	42	48	
251	77	46	42	43	42	43	45	
252	78	4	45	42	43	41	42	
253	78	23	55	42	42	42	43	
254	78	42	40	42	42	42	48	
255	79	0	41	42	42	47	43	
256	79	19	42	41	42	41	48	
257	79	38	39	43	41	40	45	
258	79	56	39	42	42	41	44	
259	80	15	39	42	42	41	42	
260	80	34	44	41	43	42	43	
261	80	52	41	42	42	41	41	
262	81	11	41	44	42	42	42	
263	81	29	40	42	41	43	42	
264	81	48	44	43	42	40	44	
265	82	7	39	43	42	42	44	
266	82	25	40	42	42	40	44	
267	82	44	41	44	42	42	45	
268	83	3	44	42	41	41	42	
269	83	21	43	44	42	42	45	
270	83	40	39	45	43	43	45	
271	83	59	42	44	44	45	46	
272	84	17	39	45	48	42	43	
273	84	36	39	45	45	45	51	
274	84	54	39	45	44	45	39	
275	85	13	39	45	43	42	44	
276	85	32	42	44	44	44	51	
277	85	50	39	45	43	42	45	
278	86	9	40	45	41	43	47	
279	86	28	66	44	45	42	45	
280	86	46	39	45	44	42	45	
281	87	5	73	45	45	43	47	
282	87	24	39	44	47	42	44	
283	87	42	40	44	44	45	48	
284	88	1	40	45	44	44	44	
285	88	20	39	46	45	42	42	
286	88	38	39	45	44	44	44	
287	88	57	39	44	43	47	43	
288	89	16	38	43	44	43	44	
289	89	34	39	47	44	45	45	
290	89	53	38	45	44	47	48	
291	90	12	42	44	45	42	44	
292	90	30	38	43	44	42	46	
293	90	49	38	44	44	41	45	
294	91	8	44	44	44	44	45	
295	91	26	39	51	44	42		

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6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
43	42	41	45	42	42	42	46	43
44	42	42	44	43	42	42	46	44
43	43	41	45	45	41	42	45	44
43	42	42	43	41	41	41	45	43
43	42	42	48	46	42	41	45	44
43	42	43	45	46	43	42	46	43
42	43	41	42	45	42	42	46	43
42	42	42	43	45	42	42	45	44
42	42	42	48	45	42	42	46	44
42	42	47	43	45	42	42	45	44
41	42	41	48	45	42	41	45	43
43	41	40	45	48	42	42	45	43
42	42	41	44	45	42	41	45	43
42	42	41	42	45	42	42	45	43
41	43	42	43	46	42	42	45	43
42	42	41	41	43	42	42	45	43
44	42	42	42	44	42	41	45	43
42	41	43	42	42	42	41	45	43
43	42	40	44	42	41	41	45	43
43	42	42	44	41	42	41	45	43
42	42	40	44	44	42	41	45	43
44	42	42	45	45	41	42	45	43
42	41	41	42	44	41	42	45	43
44	42	42	45	45	43	41	46	44
45	43	43	45	47	46	43	48	45
44	44	45	46	46	47	43	50	45
45	48	42	43	38	43	42	48	45
45	45	45	51	40	42	42	48	45
45	44	45	39	39	41	41	48	45
45	43	42	44	44	43	42	49	45
44	44	44	51	45	42	42	49	45
45	43	42	45	41	44	42	48	45
45	41	43	47	42	44	42	49	45
44	45	42	45	40	43	42	49	45
45	44	42	45	44	43	42	49	45
45	45	43	47	40	44	42	49	45
44	47	42	44	39	43	43	49	45
44	44	45	48	40	43	42	48	45
45	44	44	44	45	44	42	49	45
46	45	42	42	44	42	42	49	45
45	44	44	44	40	42	42	49	45
44	43	47	43	45	43	42	49	46
43	44	43	44	39	42	42	49	45
47	44	45	45	39	42	42	49	45
45	44	47	48	39	42	42	49	45
44	45	42	44	38	43	42	49	45
43	44	42	46	39	42	42	48	45
44	44	41	45	39	42	42	49	45
44	44	44	45	40	42	42	48	45
51	44	42	)	41	42	42	49	45

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6 EN IN SU 6 DE
296	91	45	39	44	44	41	45	
297	92	4	39	45	43	42	44	
298	92	22	40	44	43	44	44	
299	92	41	41	45	44	51	45	
300	92	59	45	44	45	45	44	
301	93	18	40	44	42	44	42	
302	93	37	44	45	44	44	44	
303	93	55	66	45	44	48	47	
304	94	14	42	45	45	45	47	
305	94	33	42	46	46	45	48	
306	94	51	49	48	48	46	48	
307	95	10	52	50	50	49	49	
308	95	29	57	53	53	52	51	
309	95	47	61	56	56	54	51	
310	96	6	64	58	59	56	53	
311	96	25	67	61	60	57	54	
312	96	43	70	63	63	58	55	
313	97	2	71	64	64	57	56	
314	*	*	*	*	*	*	*	

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
44	44	41	45	42	42	42	49	45
45	43	42	44	39	42	43	49	46
44	43	44	44	46	45	44	52	47
45	44	51	45	46	46	44	51	47
44	45	45	44	47	48	44	52	47
44	42	44	42	46	49	44	53	46
45	44	44	44	47	49	44	62	47
45	44	48	47	48	49	45	62	48
45	45	45	47	47	51	45	61	49
46	46	45	48	48	51	46	64	49
48	48	46	48	51	105	52	135	62
50	50	48	49	51	133	53	157	79
53	53	52	51	51	146	56	170	113
56	56	54	51	52	139	61	155	120
58	59	56	53	54	136	60	151	110
61	60	57	54	56	137	59	150	118
63	63	58	55	57	136	59	149	118
64	64	57	56	58	136	59	147	115
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
1	0	14	46	46	46	46
2	0	32	46	45	46	46
3	0	51	46	46	45	46
4	1	10	46	46	46	46
5	1	28	46	45	46	46
6	1	47	46	45	46	45
7	2	5	45	45	46	46
8	2	24	45	45	45	46
9	2	43	46	45	46	46
10	3	1	46	46	46	46
11	3	20	46	46	46	45
12	3	38	46	46	45	46
13	3	57	46	46	46	46
14	4	15	46	45	46	46
15	4	34	46	46	46	46
16	4	53	46	46	46	46
17	5	11	46	45	46	46
18	5	30	46	46	46	45
19	5	48	45	45	45	45
20	6	7	46	46	45	46
21	6	26	46	46	45	46
22	6	44	45	46	45	46
23	7	3	46	46	46	45
24	7	21	46	45	47	46
25	7	40	45	46	46	46
26	7	59	46	45	45	46
27	8	17	46	46	45	46
28	8	36	46	45	45	45
29	8	54	45	45	46	46
30	9	13	45	45	45	46
31	9	32	45	45	45	46
32	9	50	46	46	46	45
33	10	9	45	46	45	46
34	10	27	46	45	46	45
35	10	46	45	46	46	46
36	11	5	46	46	46	45
37	11	23	46	45	46	46
38	11	42	46	45	46	45
39	12	0	46	46	45	45
40	12	19	46	46	45	46
41	12	38	46	45	45	45
42	12	56	45	46	46	45
43	13	15	45	46	46	45
44	13	33	45	46	46	45
45	13	52	46	46	45	45

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-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
46	14	11	45	46	46	45
47	14	29	46	45	46	45
48	14	48	46	45	45	46
49	15	6	46	46	46	46
50	15	25	46	46	46	46
51	15	44	45	46	45	46
52	16	2	47	46	45	45
53	16	21	46	46	46	46
54	16	39	46	46	47	45
55	16	58	46	46	46	46
56	17	17	46	46	46	46
57	17	35	46	46	46	45
58	17	54	46	46	45	46
59	18	12	45	45	45	45
60	18	31	46	46	46	46
61	18	50	50	46	46	45
62	19	8	66	46	46	45
63	19	27	73	46	45	46
64	19	45	73	48	49	46
65	20	4	73	48	65	47
66	20	23	73	48	75	47
67	20	41	73	49	75	47
68	21	0	73	50	75	48
69	21	18	72	51	76	48
70	21	37	72	50	76	49
71	21	56	73	51	75	49
72	22	14	72	50	75	49
73	22	33	72	51	75	50
74	22	51	71	51	74	51
75	23	10	71	51	73	50
76	23	29	75	51	73	51
77	23	47	87	51	72	50
78	24	6	89	52	73	51
79	24	24	89	54	73	51
80	24	43	89	55	73	52
81	25	2	87	56	72	51
82	25	20	88	59	72	51
83	25	39	85	60	71	51
84	25	57	85	62	70	51
85	26	16	84	64	70	51
86	26	34	83	66	70	51
87	26	53	83	67	69	51
88	27	12	81	69	69	51
89	27	30	82	71	71	51
90	27	49	81	72	86	51
91	28	7	81	74	89	52
92	28	26	81	76	88	54
93	28	45	80	76	87	56
94	29	3	80	77	86	58
95	29	22	79	78	85	61

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-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
96	29	40	79	79	85	63
97	29	59	78	80	84	66
98	30	18	78	81	83	68
99	30	36	78	82	82	71
100	30	55	78	82	82	73
101	31	13	78	83	82	75
102	31	32	78	84	81	76
103	31	51	78	85	81	78
104	32	9	77	85	80	79
105	32	28	76	85	80	79
106	32	46	76	86	79	81
107	33	5	76	86	79	81
108	33	23	76	86	79	82
109	33	42	76	85	78	83
110	34	1	76	86	78	84
111	34	19	76	86	78	85
112	34	38	75	87	78	85
113	34	56	76	88	78	86
114	35	15	75	87	77	86
115	35	34	75	88	77	86
116	35	52	74	88	78	86
117	36	11	74	88	77	86
118	36	29	74	89	77	86
119	36	48	74	89	78	86
120	37	6	75	89	78	86
121	37	25	74	89	76	87
122	37	44	75	89	76	86
123	38	2	75	89	77	86
124	38	21	74	90	76	85
125	38	39	74	89	78	85
126	38	58	74	90	76	85
127	39	17	75	89	76	85
128	39	35	74	90	75	86
129	39	54	75	90	76	87
130	40	13	73	89	76	86
131	40	31	74	91	76	87
132	40	50	74	90	76	86
133	41	8	73	90	75	86
134	41	27	73	90	75	88
135	41	46	73	89	76	88
136	42	4	73	89	75	87
137	42	23	73	90	76	88
138	42	41	73	90	75	88
139	43	0	73	91	75	89
140	43	19	73	89	75	89
141	43	37	73	89	75	90
142	43	56	73	89	74	89
143	44	14	73	89	75	90
144	44	33	73	90	75	90
145	44	52	73	90	75	90

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
146	45	10	73	89	75	89
147	45	29	73	90	75	89
148	45	47	72	89	74	91
149	46	6	73	90	74	91
150	46	25	73	90	76	92
151	46	43	73	91	75	92
152	47	2	72	91	75	92
153	47	21	73	91	75	92
154	47	39	73	91	74	91
155	47	58	73	90	74	91
156	48	16	73	89	75	91
157	48	35	73	89	74	89
158	48	54	72	90	74	90
159	49	12	72	89	73	89
160	49	31	71	89	72	86
161	49	50	71	88	71	85
162	50	8	71	87	71	86
163	50	27	70	88	71	87
164	50	45	72	88	72	89
165	51	4	72	89	71	89
166	51	23	72	90	71	88
167	51	41	71	90	71	88
168	52	0	71	90	70	89
169	52	19	71	89	70	89
170	52	37	71	89	70	90
171	52	56	71	88	70	91
172	53	14	71	88	70	91
173	53	33	71	88	71	91
174	53	52	71	88	70	92
175	54	10	71	86	70	93
176	54	29	71	86	69	93
177	54	48	71	86	70	93
178	55	6	70	85	69	93
179	55	25	70	85	69	93
180	55	43	70	85	69	96
181	56	2	71	85	70	96
182	56	21	70	84	70	93
183	56	39	70	84	69	92
184	56	58	69	84	69	92
185	57	17	69	84	70	91
186	57	35	70	85	70	91
187	57	54	69	85	69	90
188	58	12	70	87	69	88
189	58	31	69	88	70	88
190	58	50	69	88	69	87
191	59	8	69	89	69	86
192	59	27	69	89	69	86
193	59	46	69	90	69	85
194	60	4	69	91	69	85
195	60	23	69	91	69	85

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
196	60	41	69	91	68	85
197	61	0	69	92	68	83
198	61	19	69	92	68	83
199	61	37	69	92	68	82
200	61	56	69	93	68	82
201	62	15	68	93	67	83
202	62	33	70	93	68	83
203	62	52	69	94	67	82
204	63	10	69	94	67	81
205	63	29	69	93	67	82
206	63	48	69	94	67	81
207	64	6	69	94	68	81
208	64	25	68	94	68	81
209	64	44	69	95	66	81
210	65	2	68	96	66	82
211	65	21	69	95	66	81
212	65	39	69	95	66	81
213	65	58	69	95	66	81
214	66	17	70	96	67	82
215	66	[illegible]	69	96	66	81
216	66	54	69	95	67	82
217	67	13	69	95	66	81
218	67	31	69	95	66	81
219	67	50	70	94	66	81
220	68	8	70	93	66	81
221	68	27	70	94	66	81
222	68	46	69	93	66	81
223	69	4	69	94	65	80
224	69	23	69	93	66	79
225	69	41	69	93	65	80
226	70	0	69	93	65	79
227	70	19	71	94	66	81
228	70	37	69	93	65	81
229	70	56	69	93	66	81
230	71	15	69	93	65	81
231	71	33	70	92	65	81
232	71	52	70	92	66	83
233	72	10	70	91	65	82
234	72	29	70	90	65	83
235	72	48	70	89	65	84
236	73	6	69	89	65	85
237	73	25	70	88	65	86
238	73	44	70	88	66	85
239	74	2	70	86	66	86
240	74	21	70	86	65	87
241	74	39	70	85	65	88
242	74	58	70	85	65	88
243	75	17	69	85	65	88
244	75	35	69	84	65	88
245	75	54	69	84	65	88

8521 1258

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
246	76	13	70	83	65	88
247	76	31	69	84	65	87
248	76	50	70	83	65	89
249	77	9	69	83	65	90
250	77	27	69	82	65	89
251	77	46	69	82	66	89
252	78	4	69	82	66	90
253	78	23	69	82	65	90
254	78	42	69	82	66	89
255	79	0	68	82	65	89
256	79	19	69	81	66	89
257	79	38	69	81	66	89
258	79	56	68	81	66	91
259	80	15	68	81	65	90
260	80	34	68	82	66	90
261	80	52	68	81	65	90
262	81	11	68	81	65	88
263	81	29	68	81	66	89
264	81	48	67	81	66	90
265	82	7	68	81	66	91
266	82	25	67	81	66	91
267	82	44	68	81	66	90
268	83	3	67	81	66	91
269	83	21	67	81	67	91
270	83	40	67	81	68	92
271	83	59	68	81	69	93
272	84	17	68	80	67	89
273	84	36	68	81	66	89
274	84	54	68	81	66	87
275	85	13	66	82	66	89
276	85	32	67	83	66	89
277	85	50	68	82	67	89
278	86	9	66	83	66	88
279	86	28	67	83	66	88
280	86	46	67	84	66	88
281	87	5	67	85	67	89
282	87	24	66	86	66	88
283	87	42	67	85	66	88
284	88	1	66	86	66	88
285	88	20	66	86	66	88
286	88	38	66	86	66	89
287	88	57	66	87	66	88
288	89	16	67	86	66	89
289	89	34	66	87	66	88
290	89	53	67	88	66	89
291	90	12	66	88	66	88
292	90	30	66	88	67	89
293	90	49	66	88	66	88
294	91	8	66	88	66	87
295	91	26	66	88	66	87

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
296	91	45	66	88	66	87
297	92	4	66	89	66	88
298	92	22	67	89	68	88
299	92	41	68	89	68	89
300	92	59	68	89	68	90
301	93	18	67	89	68	89
302	93	37	67	91	68	89
303	93	55	68	90	69	90
304	94	14	69	90	68	89
305	94	33	68	90	69	91
306	94	51	69	91	71	91
307	95	10	70	91	71	91
308	95	29	70	91	70	91
309	95	47	71	91	70	90
310	96	6	72	90	71	89
311	96	25	72	89	71	89
312	96	43	72	89	71	88
313	97	2	72	88	71	87
314	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	E
1	0	16	49	49	43	49	48	
2	0	35	49	48	43	50	48	
3	0	53	49	48	43	49	48	
4	1	12	49	48	43	49	48	
5	1	30	49	48	43	49	48	
6	1	49	48	48	43	49	48	
7	2	8	50	48	43	49	48	
8	2	26	50	48	43	49	48	
9	2	45	49	48	43	49	48	
10	3	3	49	48	43	49	48	
11	3	22	49	49	43	49	48	
12	3	40	50	48	43	49	48	
13	3	59	49	48	44	50	48	
14	4	18	49	48	43	49	48	
15	4	36	49	49	43	49	49	
16	4	55	49	48	43	49	48	
17	5	13	49	48	44	49	48	
18	5	32	49	48	44	50	48	
19	5	51	48	48	43	49	48	
20	6	9	49	49	43	50	48	
21	6	28	49	48	43	49	48	
22	6	46	49	48	43	50	48	
23	7	5	49	48	43	49	48	
24	7	24	49	49	43	50	48	
25	7	42	49	48	43	49	48	
26	8	1	50	48	43	50	48	
27	8	19	49	48	43	49	48	
28	8	38	49	48	43	49	48	
29	8	57	49	48	43	50	48	
30	9	15	48	48	43	50	48	
31	9	34	50	48	43	49	48	
32	9	52	49	48	43	49	48	
33	10	11	49	48	43	50	48	
34	10	30	49	48	44	50	48	
35	10	48	49	49	43	48	48	
36	11	7	49	49	43	49	48	
37	11	25	49	48	43	49	48	
38	11	44	49	48	44	50	48	
39	12	3	49	48	43	49	49	
40	12	21	49	48	43	50	48	
41	12	40	48	48	43	49	48	
42	12	58	48	48	43	48	48	
43	13	17	49	49	43	49	48	
44	13	36	49	48	43	50	48	
45	13	54	49	49	43	50	48	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 5.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
49	43	49	48	45	43	48	43	43
48	43	50	48	45	43	48	44	42
48	43	49	48	45	43	48	44	42
48	43	49	48	46	43	48	43	42
48	43	49	48	45	43	48	44	42
48	43	49	48	46	43	49	44	43
48	43	49	48	45	43	48	43	42
48	43	49	48	45	43	48	43	43
48	43	49	48	46	43	48	44	43
48	43	49	48	45	43	48	44	43
49	43	49	48	45	43	49	43	43
48	43	49	48	45	43	48	44	43
48	44	50	48	46	43	48	44	43
48	43	49	48	46	43	48	44	43
49	43	49	49	45	43	48	43	43
48	43	49	48	45	43	48	44	43
48	44	49	48	45	43	48	44	43
48	44	50	48	46	44	48	44	43
48	43	49	48	46	43	48	44	43
49	43	50	48	45	43	48	44	43
48	43	49	48	45	43	48	43	43
48	43	50	48	45	43	49	44	42
48	43	49	48	45	43	48	44	43
49	43	50	48	46	43	49	44	43
48	43	49	48	46	43	49	43	42
48	43	50	48	45	44	48	44	43
48	43	49	48	45	43	48	44	43
48	43	49	48	45	42	49	43	42
48	43	50	48	45	42	48	44	43
48	43	50	48	45	43	48	44	43
48	43	49	48	45	43	48	44	42
48	43	49	48	45	43	48	44	43
48	43	50	48	45	43	48	44	43
48	44	50	48	46	43	49	44	43
49	43	48	48	45	43	48	43	43
49	43	49	48	45	43	48	44	43
48	43	49	48	45	43	48	44	43
48	44	50	48	45	43	48	44	43
48	43	49	49	45	44	49	43	43
48	43	50	48	45	43	48	44	43
48	43	49	48	47	43	48	44	43
48	43	48	48	45	43	48	43	43
49	43	49	48	45	43	48	43	43
48	43	50	48	45	43	48	44	42
49	43	50	48	45	43	48	43	44

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
46	14	13	49	48	43	50	48
47	14	31	49	49	44	49	48
48	14	50	49	48	43	50	48
49	15	9	49	49	43	49	49
50	15	27	50	48	43	49	48
51	15	46	50	49	43	49	49
52	16	4	50	48	43	49	49
53	16	23	49	48	43	49	48
54	16	42	49	48	43	49	48
55	17	0	50	48	44	50	48
56	17	19	49	48	43	49	48
57	17	37	49	48	44	49	49
58	17	56	50	48	43	51	48
59	18	15	49	48	44	50	48
60	18	33	49	49	44	49	48
61	18	52	50	48	43	49	48
62	19	10	49	48	43	50	48
63	19	29	50	49	43	49	48
64	19	48	49	49	43	49	49
65	20	6	50	48	44	51	49
66	20	25	50	48	44	51	49
67	20	43	50	48	43	51	49
68	21	2	50	49	44	51	49
69	21	21	49	49	44	51	49
70	21	39	51	49	44	51	49
71	21	58	50	49	44	51	48
72	22	16	50	48	44	51	49
73	22	35	50	48	44	51	49
74	22	54	49	49	43	51	50
75	23	12	50	49	43	51	49
76	23	31	50	49	44	52	50
77	23	49	50	49	44	53	50
78	24	8	49	49	44	50	53
79	24	27	50	49	45	54	56
80	24	45	51	49	44	53	58
81	25	4	50	50	44	53	60
82	25	22	50	49	45	52	62
83	25	41	50	50	45	48	64
84	25	59	52	51	46	47	66
85	26	18	53	51	46	53	68
86	26	37	54	51	46	47	69
87	26	55	55	52	47	48	73
88	27	14	56	53	47	48	74
89	27	32	57	53	48	48	76
90	27	51	59	54	48	48	77
91	28	10	60	56	49	50	79
92	28	28	61	55	50	48	80
93	28	47	62	57	50	48	80
94	29	5	63	57	49	53	81
95	29	24	64	57	50	48	

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7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 GNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
48	43	50	48	46	43	49	43	42
49	44	49	48	45	43	48	43	43
48	43	50	48	46	43	48	44	42
49	43	49	49	46	44	49	45	44
48	43	49	48	46	43	49	44	43
49	43	49	49	46	43	48	44	43
48	43	49	49	45	43	48	44	44
48	43	49	48	47	43	49	44	43
48	43	49	48	45	43	48	44	43
48	44	50	48	47	43	49	44	43
48	43	49	48	45	44	48	44	43
48	44	49	49	46	43	48	43	43
48	43	51	48	45	43	48	44	43
48	44	50	48	46	44	49	44	43
49	44	49	48	46	43	49	43	43
48	43	49	48	46	43	49	45	43
48	43	50	48	46	43	52	47	44
49	43	49	48	47	44	52	47	44
49	43	49	49	47	44	52	46	45
48	44	51	49	47	45	51	45	45
48	44	51	49	47	45	51	47	45
48	43	51	49	47	45	51	47	45
49	44	51	49	48	45	51	47	45
49	44	51	49	47	46	51	47	45
49	44	51	49	48	46	51	47	44
49	44	51	48	48	45	52	47	45
48	44	51	49	47	46	51	47	44
48	44	51	49	48	45	51	46	45
49	43	51	50	47	46	52	47	45
49	43	51	49	47	46	51	47	45
49	44	52	50	47	46	53	48	45
49	44	53	50	48	46	57	53	50
49	44	50	53	52	48	61	58	56
49	45	54	56	53	48	64	60	60
49	44	53	58	54	50	67	62	62
50	44	53	60	54	51	69	62	64
49	45	52	62	55	52	72	63	64
50	45	48	64	55	53	77	77	78
51	46	47	66	55	56	83	89	90
51	46	53	68	54	57	87	92	96
51	46	47	69	53	58	91	96	102
52	47	48	73	53	60	93	98	106
53	47	48	74	53	62	96	98	107
53	48	48	76	53	61	97	98	107
54	48	48	77	53	63	101	99	107
56	49	50	79	55	63	103	99	110
55	50	48	80	55	63	103	99	109
57	50	48	80	55	63	104	98	108
57	49	53	81	56	63	104	87	96
57	50	48		58	63	103	91	98

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
96	29	43	64	58	50	50	82
97	30	1	64	59	51	53	83
98	30	20	66	59	51	51	84
99	30	38	67	60	52	50	84
100	30	57	67	60	53	49	84
101	31	16	68	61	53	50	85
102	31	34	68	61	53	52	85
103	31	53	69	62	53	51	85
104	32	11	69	63	53	50	85
105	32	30	68	62	54	50	86
106	32	49	70	63	54	53	86
107	33	7	71	63	55	50	87
108	33	26	71	64	56	49	85
109	33	44	71	64	55	49	86
110	34	3	71	64	55	50	87
111	34	21	72	64	55	50	87
112	34	40	72	64	56	51	88
113	34	59	73	65	57	53	90
114	35	17	74	65	58	50	90
115	35	36	74	67	57	53	90
116	35	54	73	66	58	50	91
117	36	13	75	67	58	50	89
118	36	32	74	67	57	52	91
119	36	50	74	68	58	50	91
120	37	9	76	68	58	51	91
121	37	27	77	68	58	51	91
122	37	46	76	68	58	50	91
123	38	4	77	68	59	50	90
124	38	23	77	69	59	51	91
125	38	42	77	70	59	50	91
126	39	0	78	69	59	51	92
127	39	19	79	70	59	50	91
128	39	38	78	70	59	50	90
129	39	56	79	70	60	50	91
130	40	15	79	70	60	51	91
131	40	33	79	71	60	50	90
132	40	52	79	71	60	53	91
133	41	11	80	71	60	50	91
134	41	29	80	71	61	51	90
135	41	48	80	71	61	50	89
136	42	6	80	71	61	50	89
137	42	25	80	71	61	49	90
138	42	44	80	71	60	50	90
139	43	2	79	71	62	50	90
140	43	21	81	71	61	50	90
141	43	39	80	72	61	50	91
142	43	58	79	72	62	49	91
143	44	17	80	72	61	50	91
144	44	35	80	73	62	51	92
145	44	54	80	72	62	49	92

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
58	50	50	82	58	63	105	95	99
59	51	53	83	58	63	105	96	106
59	51	51	84	58	63	106	95	97
60	52	50	84	59	63	106	92	95
60	53	49	84	60	64	106	92	94
61	53	50	85	60	64	107	95	96
61	53	52	85	59	64	108	96	98
62	53	51	85	60	64	108	97	98
63	53	50	85	59	65	109	96	98
62	54	50	86	60	64	109	96	96
63	54	53	86	60	64	109	96	97
63	55	50	87	61	64	109	96	99
64	56	49	85	61	64	109	96	99
64	55	49	86	60	64	110	96	99
64	55	50	87	59	64	110	96	103
64	55	50	87	58	65	111	98	106
64	56	51	88	59	66	112	99	107
65	57	53	90	59	67	113	101	109
65	58	50	90	58	67	113	100	109
67	57	53	90	58	67	114	101	109
66	58	50	91	58	67	114	100	109
67	58	50	89	58	67	114	100	108
67	57	52	91	58	67	115	100	108
68	58	50	91	57	68	114	100	110
68	58	51	91	58	67	116	99	109
68	58	51	91	58	67	115	101	109
68	58	50	91	57	67	114	100	108
68	59	50	90	58	67	116	100	108
69	59	51	91	58	67	116	99	109
70	59	50	91	58	67	116	101	110
69	59	51	92	58	67	116	100	107
70	59	50	91	58	67	114	98	103
70	59	50	90	59	67	115	97	101
70	60	50	91	60	66	114	97	100
70	60	51	91	59	66	113	96	98
71	60	50	90	61	65	114	96	100
71	60	53	91	61	65	114	96	100
71	60	50	91	61	66	113	96	99
71	61	51	90	61	66	113	96	99
71	61	50	89	61	66	113	96	99
71	61	50	89	61	65	113	96	100
71	61	49	90	60	65	113	96	101
71	60	50	90	61	64	113	96	100
71	62	50	90	60	64	112	96	100
71	61	50	90	61	64	113	96	101
72	61	50	91	61	65	112	96	101
72	62	49	91	61	65	113	96	100
72	61	50	91	61	65	113	96	101
73	62	51	92	61	65	114	97	101
72	62	49	92	60	65	113	97	101

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
146	45	12	81	72	62	50	91
147	45	31	81	72	62	52	92
148	45	50	81	72	62	51	92
149	46	8	81	73	62	50	92
150	46	27	81	73	63	51	92
151	46	46	82	73	62	51	91
152	47	4	82	74	63	49	92
153	47	23	80	73	63	49	91
154	47	41	82	73	63	50	91
155	48	0	81	73	63	49	90
156	48	19	81	73	63	49	90
157	48	37	82	74	62	53	89
158	48	56	80	74	63	48	89
159	49	15	81	74	62	48	88
160	49	33	81	74	62	48	89
161	49	52	81	73	62	48	89
162	50	10	82	74	62	48	90
163	50	29	82	74	62	49	92
164	50	48	82	75	62	50	94
165	51	6	83	75	63	48	94
166	51	25	84	77	64	49	93
167	51	44	83	77	63	48	90
168	52	2	82	77	63	48	89
169	52	21	83	77	63	48	87
170	52	39	83	77	63	48	87
171	52	58	82	76	63	47	85
172	53	17	82	77	63	47	86
173	53	35	81	77	63	48	84
174	53	54	82	76	63	48	84
175	54	13	82	77	63	46	84
176	54	31	80	76	63	47	82
177	54	50	80	75	62	46	82
178	55	8	81	75	62	47	82
179	55	27	80	75	62	47	81
180	55	46	79	75	62	48	81
181	56	4	80	74	63	46	82
182	56	23	79	74	62	46	82
183	56	42	80	74	62	47	85
184	57	0	80	74	62	48	88
185	57	19	81	74	61	47	89
186	57	37	82	74	61	48	91
187	57	56	81	74	63	48	93
188	58	15	82	74	62	48	94
189	58	33	83	75	62	48	94
190	58	52	84	75	61	48	96
191	59	11	84	76	63	48	96
192	59	29	84	76	63	48	97
193	59	48	85	76	63	48	97
194	60	6	85	76	63	48	97
195	60	25	86	76	63	48	

1224

7-06 ENG.1 IGNIT EXCITR SKIN INBD EG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
72	62	50	91	61	66	114	96	101
72	62	52	92	61	66	114	96	101
72	62	51	92	61	66	114	96	102
73	62	50	92	61	66	114	97	101
73	63	51	92	60	67	114	96	101
73	62	51	91	61	65	114	96	100
74	63	49	92	61	66	114	96	101
73	63	49	91	60	66	114	96	101
73	63	50	91	60	66	113	96	100
73	63	49	90	62	66	113	96	101
73	63	49	90	61	66	114	96	99
74	62	53	89	61	66	113	96	100
74	63	48	89	60	65	112	96	100
74	62	48	88	60	64	113	96	101
74	62	48	89	55	64	116	107	116
73	62	48	89	53	64	118	114	123
74	62	48	90	53	64	120	116	128
74	62	49	92	50	64	123	118	131
75	62	50	94	52	64	122	109	120
75	63	48	94	54	64	119	102	113
77	64	49	93	57	64	119	95	105
77	63	48	90	58	63	115	83	96
77	63	48	89	59	61	114	78	90
77	63	48	87	61	60	112	77	87
77	63	48	87	61	60	110	76	84
76	63	47	85	62	59	108	76	83
77	63	47	86	63	59	108	76	82
77	63	48	84	63	59	107	76	82
76	63	48	84	64	58	107	74	80
77	63	46	84	64	58	105	75	82
76	63	47	82	63	58	105	75	82
75	62	46	82	64	58	104	75	81
75	62	47	82	64	58	104	75	81
75	62	47	81	64	57	103	73	80
75	62	48	81	63	58	103	76	81
74	63	46	82	60	60	107	95	99
74	62	46	82	54	61	110	106	113
74	62	47	85	52	62	113	112	121
74	62	48	88	51	63	117	115	126
74	61	47	89	51	63	120	116	129
74	61	48	91	50	64	121	116	130
74	63	48	93	49	64	122	117	130
74	62	48	94	50	64	123	117	131
75	62	48	94	49	63	125	117	132
75	61	48	96	49	64	126	118	133
76	63	48	96	49	64	127	117	133
76	63	48	97	49	65	126	118	132
76	63	48	97	50	64	128	118	132
76	63	48	97	51	64	129	118	133
76	63	48		50	64	129	118	133

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7 EN F P C T DE
196	60	44	86	77	63	48	98	
197	61	2	87	78	63	48	98	
198	61	21	87	78	63	48	99	
199	61	40	87	78	63	48	99	
200	61	58	87	78	63	48	99	
201	62	17	87	78	64	48	100	
202	62	35	88	79	64	48	100	
203	62	54	88	78	63	48	99	
204	63	13	87	79	64	48	100	
205	63	31	88	79	64	48	100	
206	63	50	89	79	64	48	100	
207	64	9	89	79	64	48	100	
208	64	27	89	80	64	48	101	
209	64	46	89	79	64	48	100	
210	65	4	89	79	64	48	101	
211	65	23	89	80	64	48	101	
212	65	42	90	79	64	48	101	
213	66	0	89	81	66	48	102	
214	66	19	90	81	64	49	100	
215	66	37	89	80	65	47	99	
216	66	56	89	80	64	47	99	
217	67	15	89	80	65	47	98	
218	67	33	89	80	65	47	98	
219	67	52	89	80	64	48	98	
220	68	11	99	80	64	48	97	
221	68	29	89	80	64	47	97	
222	68	48	88	80	64	47	97	
223	69	6	89	80	65	48	97	
224	69	25	90	80	64	47	96	
225	69	44	88	80	64	46	96	
226	70	2	89	81	64	47	96	
227	70	21	90	80	65	48	97	
228	70	40	89	82	66	47	96	
229	70	58	89	82	67	47	93	
230	71	17	88	83	67	46	92	
231	71	35	89	83	67	46	90	
232	71	54	87	83	67	47	88	
233	72	13	88	82	66	45	87	
234	72	31	86	82	66	45	85	
235	72	50	87	81	64	46	85	
236	73	9	86	82	64	45	84	
237	73	27	87	81	65	45	84	
238	73	46	84	81	65	45	83	
239	74	4	85	81	65	46	82	
240	74	23	84	80	65	45	82	
241	74	42	84	80	65	45	82	
242	75	0	83	80	65	46	81	
243	75	19	83	80	64	45	80	
244	75	38	82	80	64	45	80	
245	75	56	83	79	64	45	80	

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7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
77	63	48	98	48	64	130	119	133
78	63	48	98	49	65	130	119	132
78	63	48	99	49	64	131	118	133
78	63	48	99	49	64	130	118	133
78	63	48	99	49	65	131	120	132
79	64	48	100	49	64	131	118	133
79	64	48	100	50	64	131	119	133
78	63	48	99	49	65	132	119	133
79	64	48	100	49	64	133	119	134
79	64	48	100	49	65	131	120	132
79	64	48	100	50	64	132	118	133
79	64	48	100	49	65	132	119	133
80	64	48	101	49	66	133	118	133
79	64	48	100	50	64	133	119	133
79	64	48	101	50	65	133	119	132
80	64	48	101	49	66	134	118	133
79	64	48	101	50	66	133	118	133
81	66	48	102	50	65	132	119	132
81	64	49	100	52	65	129	108	121
80	65	47	99	52	65	129	110	124
80	64	47	99	51	65	129	113	126
80	65	47	98	51	65	129	112	126
80	65	47	98	51	65	128	113	126
80	64	48	98	51	65	127	113	126
80	64	48	97	51	66	127	113	126
80	64	47	97	50	65	126	113	126
80	64	47	97	50	66	127	113	126
80	65	48	97	51	65	126	113	126
80	64	47	96	51	65	126	113	126
80	64	46	96	50	65	127	112	126
81	64	47	96	50	65	126	113	126
80	65	48	97	53	65	124	104	116
82	66	47	96	55	64	121	89	101
82	67	47	93	58	63	118	82	94
83	67	46	92	59	61	116	78	89
83	67	46	90	60	59	114	77	87
83	67	47	88	60	60	113	76	85
82	66	45	87	62	58	111	76	83
82	66	45	85	62	58	110	76	82
81	64	46	85	61	58	109	75	80
82	64	45	84	63	58	108	74	81
81	65	45	84	63	58	107	75	81
81	65	45	83	63	58	106	75	81
81	65	46	82	63	58	105	74	81
80	65	45	82	63	57	104	75	80
80	65	45	82	64	58	104	75	81
80	65	45	81	64	57	103	74	80
80	64	45	80	63	57	103	74	79
80	64	45	80	63	56	103	75	80
79	64	45	80	64	56	102	74	80

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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
246	76	15	82	79	64	45	80
247	76	33	82	79	64	45	80
248	76	52	82	80	64	45	80
249	77	11	81	78	64	45	80
250	77	29	81	78	64	47	80
251	77	48	81	78	63	45	80
252	78	7	82	78	64	45	79
253	78	25	80	78	63	45	80
254	78	44	80	77	64	45	79
255	79	3	80	77	63	45	78
256	79	21	80	77	63	45	79
257	79	40	80	77	63	45	79
258	79	58	80	77	63	46	79
259	80	17	80	77	63	46	79
260	80	36	80	77	63	45	78
261	80	54	79	76	63	46	79
262	81	13	79	76	63	45	78
263	81	32	79	76	63	45	78
264	81	50	79	76	62	45	78
265	82	9	79	75	62	45	79
266	82	28	79	75	62	46	79
267	82	46	78	75	61	45	78
268	83	5	78	75	61	45	78
269	83	23	79	74	62	45	78
270	83	42	79	74	61	47	79
271	84	1	78	74	62	46	80
272	84	19	78	74	62	45	81
273	84	38	79	74	61	48	83
274	84	57	79	75	62	48	86
275	85	15	80	74	62	47	86
276	85	34	80	74	61	47	86
277	85	53	80	74	62	46	87
278	86	11	80	74	62	46	87
279	86	30	80	75	62	48	87
280	86	49	80	75	62	48	89
281	87	7	81	75	61	47	90
282	87	26	81	76	62	47	90
283	87	45	81	75	62	46	89
284	88	3	82	76	62	47	90
285	88	22	82	76	62	47	90
286	88	41	82	75	62	47	91
287	88	59	82	75	62	47	91
288	89	18	82	76	62	47	91
289	89	37	82	77	63	46	91
290	89	55	83	77	63	48	92
291	90	14	84	76	62	46	90
292	90	32	82	77	63	46	91
293	90	51	84	78	63	46	91
294	91	10	82	77	63	46	92
295	91	28	83	77	63	46	

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7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
79	64	45	80	64	57	103	74	80
79	64	45	80	64	58	101	75	80
80	64	45	80	64	57	101	74	80
78	64	45	80	64	57	102	74	80
78	64	47	80	65	57	101	74	80
78	63	45	80	64	56	102	74	80
78	64	45	79	64	58	101	74	81
78	63	45	80	64	57	102	76	80
77	64	45	79	64	57	100	75	80
77	63	45	78	65	57	100	74	80
77	63	45	79	64	56	100	74	80
77	63	45	79	65	58	100	74	80
77	63	46	79	64	56	100	75	80
77	63	46	79	65	55	100	74	80
77	63	45	78	64	56	100	74	80
76	63	46	79	64	56	100	74	80
76	63	45	78	65	56	100	74	80
76	63	45	78	64	56	100	74	80
76	62	45	78	66	57	99	74	79
75	62	45	79	64	57	100	74	80
75	62	46	79	65	57	99	74	80
75	61	45	78	65	57	100	73	80
75	61	45	78	64	56	100	74	79
74	62	45	78	64	56	99	76	81
74	61	47	79	63	58	101	87	87
74	62	46	80	62	58	102	89	92
74	62	45	81	59	59	104	99	105
74	61	48	83	55	60	109	106	114
75	62	48	86	53	60	112	110	118
74	62	47	86	53	61	111	108	117
74	61	47	86	53	61	113	105	117
74	62	46	87	53	61	114	105	116
74	62	46	87	53	62	114	105	118
75	62	48	87	53	62	114	106	117
75	62	48	89	53	63	115	105	118
75	61	47	90	53	63	116	106	118
76	62	47	90	53	63	116	107	119
75	62	46	89	52	63	116	107	118
76	62	47	90	53	64	117	106	119
76	62	47	90	53	63	118	106	119
75	62	47	91	52	63	117	107	119
75	62	47	91	53	63	119	106	118
76	62	47	91	53	63	118	105	117
77	63	46	91	53	64	118	106	116
77	63	48	92	53	64	118	106	119
76	62	46	90	53	63	118	107	119
77	63	46	91	53	64	119	107	119
78	63	46	91	53	63	118	107	120
77	63	46	92	53	63	119	107	121
77	63	46		52	64	118	107	119

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
296	91	47	83	77	63	47	92
297	92	6	84	78	63	47	92
298	92	24	85	78	63	48	92
299	92	43	86	78	63	47	93
300	93	2	84	80	64	48	92
301	93	20	84	79	63	48	90
302	93	39	84	79	64	48	90
303	93	58	84	80	64	51	92
304	94	16	84	80	66	50	94
305	94	35	83	*	*	53	95
306	94	54	84	80	68	64	95
307	95	12	85	81	71	67	94
308	95	31	87	82	79	72	94
309	95	50	88	84	82	77	94
310	96	8	89	85	83	79	94
311	96	27	90	86	84	81	94
312	96	46	91	87	85	83	93
313	97	4	91	88	85	84	93
314	*	*	*	*	*	*	*

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
77	63	47	92	53	63	119	107	120
78	63	47	92	52	63	119	107	119
78	63	48	92	54	64	118	101	111
78	63	47	93	56	63	117	97	107
80	64	48	92	57	64	117	96	103
79	63	48	90	58	63	114	96	98
79	64	48	90	59	63	112	85	91
80	64	51	92	59	63	111	75	83
80	66	50	94	60	63	110	70	79
*	*	53	95	62	63	109	68	75
80	68	64	95	63	63	108	65	69
81	71	67	94	64	64	106	64	67
82	79	72	94	64	67	109	64	67
84	82	77	94	64	70	108	64	67
85	83	79	94	64	70	106	64	68
86	84	81	94	64	72	105	65	68
87	85	83	93	64	71	103	66	70
88	85	84	93	65	72	103	67	70
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	C
1	0	16	42	43	41	43	42	
2	0	35	42	43	42	42	42	
3	0	53	42	42	41	42	41	
4	1	12	42	42	41	42	42	
5	1	30	42	42	41	42	41	
6	1	49	42	42	41	42	42	
7	2	8	42	42	41	42	41	
8	2	26	42	42	42	42	41	
9	2	45	43	42	42	42	42	
10	3	3	43	42	41	43	42	
11	3	22	43	43	41	42	42	
12	3	40	42	43	42	43	42	
13	3	59	43	43	42	43	42	
14	4	18	42	43	42	43	42	
15	4	36	43	42	42	42	42	
16	4	55	43	43	42	43	42	
17	5	13	43	42	42	42	42	
18	5	32	43	42	42	42	42	
19	5	51	43	43	41	42	42	
20	6	9	43	42	42	43	42	
21	6	28	43	43	42	43	42	
22	6	46	43	42	43	43	42	
23	7	5	44	43	44	42	42	
24	7	24	43	42	43	43	42	
25	7	42	43	42	44	43	43	
26	8	1	42	43	44	43	41	
27	8	19	43	42	45	43	42	
28	8	38	43	42	44	43	42	
29	8	57	43	42	45	43	42	
30	9	15	42	42	44	42	41	
31	9	34	43	43	45	42	42	
32	9	52	43	42	44	43	42	
33	10	11	42	42	44	43	42	
34	10	30	43	43	44	42	42	
35	10	48	43	43	44	42	42	
36	11	7	43	43	45	43	43	
37	11	25	43	42	45	42	42	
38	11	44	43	43	45	43	43	
39	12	3	43	42	45	43	42	
40	12	21	43	43	45	43	42	
41	12	40	43	43	45	43	42	
42	12	58	42	42	45	43	42	
43	13	17	42	42	46	42	43	
44	13	36	42	42	46	43		
45	13	54	43	42	46	42		

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
43	41	43	42	48	48	48	49	48
43	42	42	42	48	48	48	48	48
42	41	42	41	48	48	48	48	48
42	41	42	42	48	48	48	49	49
42	41	42	41	48	48	48	48	48
42	41	42	42	48	48	48	49	48
42	41	42	41	48	48	48	48	49
42	42	42	41	48	48	48	48	49
42	42	42	42	48	48	48	48	49
42	41	43	42	48	49	48	48	48
43	41	42	42	48	48	48	48	48
43	42	43	42	48	48	48	48	49
43	42	43	42	49	49	48	48	48
43	42	43	42	48	48	48	48	49
42	42	42	42	48	48	48	48	48
43	42	43	42	48	48	49	48	48
42	42	42	42	48	48	48	48	49
42	42	42	42	48	49	48	48	49
43	41	42	42	48	48	48	48	48
42	42	43	42	48	48	48	48	49
43	42	43	42	48	48	49	48	48
42	43	43	42	49	48	48	49	48
43	44	42	42	48	49	48	48	48
42	43	43	42	49	48	48	48	49
42	44	43	43	49	48	48	48	48
43	44	43	41	48	49	48	49	48
42	45	43	42	48	48	48	49	48
42	44	43	42	48	48	49	48	48
42	45	43	42	48	49	48	48	48
42	44	42	41	49	48	48	49	49
43	45	42	42	48	49	48	48	49
42	44	43	42	48	48	48	48	48
42	44	43	42	48	48	48	48	48
43	44	42	42	49	48	48	48	48
43	44	42	42	48	48	48	49	48
43	45	43	43	48	49	49	48	48
42	45	42	42	49	48	48	48	48
43	45	43	43	48	49	48	48	48
42	45	43	42	48	48	49	48	48
43	45	43	42	48	48	48	49	49
43	45	43	42	48	48	48	49	48
42	45	43	42	49	48	48	48	48
42	46	42	43	49	49	48	48	49
42	46	43		48	48	48	48	48
42	46	42		48	48	48	49	49

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7- ENG COOL AIR INL DEG
46	14	13	43	43	45	43	43	
47	14	31	43	43	45	43	42	
48	14	50	43	43	46	43	42	
49	15	9	43	43	46	43	43	
50	15	27	43	43	46	43	43	
51	15	46	43	43	46	43	43	
52	16	4	42	43	46	43	43	
53	16	23	43	43	47	43	43	
54	16	42	43	43	46	43	43	
55	17	0	44	43	*	42	44	
56	17	19	43	42	46	43	42	
57	17	37	43	43	46	43	43	
58	17	56	43	43	46	42	43	
59	18	15	43	43	46	43	43	
60	18	33	43	43	47	43	43	
61	18	52	43	43	47	43	43	
62	19	10	44	44	47	43	43	
63	19	29	45	45	47	45	43	
64	19	48	45	45	47	45	44	
65	20	6	45	45	48	45	43	
66	20	25	45	46	48	45	43	
67	20	43	44	46	47	46	43	
68	21	2	45	46	48	45	44	
69	21	21	45	46	48	46	43	
70	21	39	45	46	48	46	44	
71	21	58	45	45	48	45	44	
72	22	16	45	46	47	45	44	
73	22	35	45	46	48	46	44	
74	22	54	44	45	48	46	44	
75	23	12	45	46	47	46	43	
76	23	31	45	46	48	47	44	
77	23	49	48	48	46	47	46	
78	24	8	53	53	46	51	48	
79	24	27	57	56	46	56	51	
80	24	45	60	58	46	60	52	
81	25	4	61	61	46	64	53	
82	25	22	63	62	47	67	55	
83	25	41	68	68	44	70	52	
84	25	59	80	82	44	85	53	
85	26	18	87	88	44	100	55	
86	26	37	92	95	43	113	58	
87	26	55	96	98	44	123	61	
88	27	14	98	100	43	129	63	
89	27	32	98	100	43	133	64	
90	27	51	98	102	44	136	66	
91	28	10	100	103	44	137	67	
92	28	28	99	102	44	137	68	
93	28	47	99	102	44	138	68	
94	29	5	95	97	44	135	68	
95	29	24	92	96	44	126	69	

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7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
43	45	43	43	49	48	48	49	48
43	45	43	42	49	48	48	49	48
43	46	43	42	49	48	48	49	48
43	46	43	43	48	49	48	50	49
43	46	43	43	49	48	48	49	48
43	46	43	43	48	49	48	49	49
43	46	43	43	49	48	48	49	48
43	47	43	43	48	48	48	49	50
43	46	43	43	49	49	48	49	49
43	*	42	44	49	49	48	49	48
42	46	43	42	49	48	48	50	49
43	46	43	43	49	48	48	49	48
43	46	42	43	49	48	48	48	48
43	46	43	43	49	48	48	50	48
43	47	43	43	49	48	48	49	49
43	47	43	43	49	49	48	50	48
44	47	43	43	52	51	49	51	49
45	47	45	43	52	52	49	53	49
45	47	45	44	51	52	50	51	50
45	48	45	43	52	52	51	52	50
46	48	45	43	52	53	50	52	51
46	47	46	43	52	52	51	52	51
46	48	45	44	52	53	52	52	51
46	48	46	43	51	53	51	52	51
46	48	46	44	51	53	52	52	53
45	48	45	44	51	52	52	52	51
46	47	45	44	51	53	51	51	51
46	48	46	44	51	52	51	51	51
45	48	46	44	51	52	52	52	51
46	47	46	43	52	53	51	51	51
46	48	47	44	52	53	53	51	53
48	46	47	46	57	80	69	56	71
53	46	51	48	61	128	102	59	112
56	46	56	51	64	162	145	61	158
58	46	60	52	66	184	186	63	194
61	46	64	53	69	198	228	65	225
62	47	67	55	71	208	266	66	252
68	44	70	52	77	258	310	67	272
82	44	85	53	83	304	349	70	287
88	44	100	55	87	319	373	72	299
95	43	113	58	92	332	391	73	312
98	44	123	61	94	341	409	75	327
100	43	129	63	96	343	418	78	339
100	43	133	64	98	344	426	78	347
102	44	136	66	99	344	432	80	355
103	44	137	67	101	340	434	81	357
102	44	137	68	103	341	435	82	360
102	44	138	68	104	340	436	82	363
97	44	135	68	103	313	427	83	360
96	44	126	69	105	305	415	83	354

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7- ENG COOL IN DEG
96	29	43	93	97	48	121	72	1
97	30	1	93	100	46	121	72	1
98	30	20	93	101	45	121	72	1
99	30	38	91	96	44	119	72	1
100	30	57	89	97	48	115	72	1
101	31	16	91	98	46	114	72	1
102	31	34	92	99	44	114	72	1
103	31	53	92	101	44	117	72	1
104	32	11	93	101	43	118	71	1
105	32	30	92	101	43	119	72	1
106	32	49	93	101	44	119	72	1
107	33	7	92	101	44	119	72	1
108	33	26	93	102	44	119	72	1
109	33	44	93	102	43	120	73	1
110	34	3	95	101	43	121	72	1
111	34	21	96	103	45	126	74	1
112	34	40	98	103	48	130	76	1
113	34	59	100	105	46	134	75	1
114	35	17	101	105	44	135	75	1
115	35	36	101	105	44	136	76	1
116	35	54	101	105	44	138	75	1
117	36	13	101	105	43	138	75	1
118	36	32	100	105	44	138	76	1
119	36	50	101	105	44	139	76	1
120	37	9	101	105	44	139	77	1
121	37	27	100	106	44	139	76	1
122	37	46	101	105	43	138	75	1
123	38	4	100	106	43	139	76	1
124	38	23	101	106	45	139	77	1
125	38	42	101	105	45	139	77	1
126	39	0	101	106	43	139	76	1
127	39	19	98	105	43	136	75	1
128	39	38	96	104	47	131	78	1
129	39	56	95	103	44	128	75	1
130	40	15	95	102	44	125	76	1
131	40	33	94	102	46	122	77	1
132	40	52	94	101	48	121	78	1
133	41	11	93	101	46	121	75	1
134	41	29	94	101	43	120	75	1
135	41	48	93	101	47	120	76	1
136	42	6	94	101	47	121	76	1
137	42	25	94	101	46	122	77	1
138	42	44	94	101	43	123	75	1
139	43	2	94	101	44	124	74	1
140	43	21	94	100	46	123	76	1
141	43	39	94	101	46	124	76	1
142	43	58	94	101	47	124	77	1
143	44	17	94	101	49	124	78	1
144	44	35	94	100	48	123	77	1
145	44	54	95	102	46	122		1

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7-17 ENG.1 PRS CSE TG.4 6.00 EG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
97	48	121	72	104	311	408	85	354
100	46	121	72	106	313	405	86	352
101	45	121	72	107	310	402	86	352
96	44	119	72	106	299	398	85	350
97	48	115	72	107	295	395	86	348
98	46	114	72	107	302	391	86	346
99	44	114	72	107	311	392	87	347
101	44	117	72	109	315	394	87	349
101	43	118	71	109	319	396	87	351
101	43	119	72	109	317	398	87	351
101	44	119	72	109	314	397	86	350
101	44	119	72	109	315	396	88	350
102	44	119	72	109	320	397	88	351
102	43	120	73	109	313	398	87	351
101	43	121	72	110	325	403	87	354
103	45	126	74	111	335	410	88	358
103	48	130	76	112	340	417	91	364
105	46	134	75	114	342	422	91	367
105	44	135	75	114	347	427	92	371
105	44	136	76	113	347	430	91	374
105	44	138	75	114	349	432	92	378
105	43	138	75	114	348	434	91	378
105	44	138	76	115	347	434	92	379
105	44	139	76	116	346	434	92	379
105	44	139	77	115	347	436	92	380
106	44	139	76	115	346	436	93	380
105	43	138	75	116	346	437	91	381
106	43	139	76	116	348	436	91	380
106	45	139	77	116	348	437	92	381
105	45	139	77	116	348	436	92	380
106	43	139	76	116	343	436	91	381
105	43	136	75	115	329	429	90	375
104	47	131	78	115	318	420	92	368
103	44	128	75	115	312	413	91	364
102	44	125	76	114	309	407	90	359
102	46	122	77	113	308	402	91	357
101	48	121	78	113	308	398	92	355
101	46	121	75	114	310	397	91	354
101	43	120	75	113	308	396	90	352
101	47	120	76	113	311	395	92	351
101	47	121	76	114	315	395	90	352
101	46	122	77	113	315	396	91	352
101	43	123	75	113	315	398	90	352
101	44	124	74	113	315	398	91	352
100	46	123	76	113	316	397	91	353
101	46	124	76	113	318	398	92	354
101	47	124	77	113	316	398	92	354
101	49	124	78	113	316	397	92	354
100	48	123	77	114	320	397	92	354
102	46	122		113	318	397	91	355

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7 EN COO IN DE
146	45	12	95	102	50	123	78	
147	45	31	95	101	47	124	78	
148	45	50	95	101	46	124	77	
149	46	8	95	102	46	123	77	
150	46	27	94	102	48	124	77	
151	46	46	94	101	45	124	76	
152	47	4	94	102	47	124	77	
153	47	23	95	102	45	122	76	
154	47	41	94	102	44	123	75	
155	48	0	95	101	44	123	75	
156	48	19	94	102	41	122	74	
157	48	37	94	101	44	122	74	
158	48	56	94	101	42	122	73	
159	49	15	94	101	43	122	73	
160	49	33	104	107	42	127	72	
161	49	52	114	114	43	138	74	
162	50	10	120	119	43	148	77	
163	50	29	123	121	44	155	78	
164	50	48	117	120	43	157	79	
165	51	6	108	113	41	151	76	
166	51	25	103	107	43	145	76	
167	51	44	96	96	42	134	74	
168	52	2	92	89	42	122	73	
169	52	21	88	86	41	111	72	
170	52	39	87	82	41	104	72	
171	52	58	84	80	41	100	70	
172	53	17	84	80	41	97	70	
173	53	35	84	79	41	96	69	
174	53	54	83	78	42	96	69	
175	54	13	82	78	42	95	68	
176	54	31	83	78	41	94	69	
177	54	50	82	78	41	94	67	
178	55	8	82	78	41	93	68	
179	55	27	82	77	41	93	68	
180	55	46	82	78	44	93	68	
181	56	4	91	89	41	97	68	
182	56	23	103	100	41	115	69	
183	56	42	114	111	41	132	72	
184	57	0	119	116	41	145	74	
185	57	19	121	119	41	152	75	
186	57	37	122	121	41	157	77	
187	57	56	124	123	41	158	77	
188	58	15	124	123	40	160	78	
189	58	33	125	123	41	161	79	
190	58	52	125	123	41	161	79	
191	59	11	124	123	40	161	80	
192	59	29	126	124	40	162	80	
193	59	48	125	125	41	162	80	
194	60	6	124	124	41	162	81	
195	60	25	124	124	41	162	81	

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7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
102	50	123	78	114	317	398	92	354
101	47	124	78	113	318	399	92	354
101	46	124	77	114	319	399	93	354
102	46	123	77	114	317	399	92	355
102	48	124	77	114	319	399	92	355
101	45	124	76	114	316	398	92	354
102	47	124	77	115	317	398	92	352
102	45	122	76	113	316	398	92	354
102	44	123	75	114	317	400	91	354
101	44	123	75	113	318	399	91	354
102	41	122	74	113	315	400	89	355
101	44	122	74	114	320	401	90	355
101	42	122	73	113	322	403	89	355
101	43	122	73	113	327	403	87	357
107	42	127	72	116	400	434	90	378
114	43	138	74	118	430	478	93	412
119	43	148	77	120	440	512	93	437
121	44	155	78	122	444	539	96	457
120	43	157	79	121	398	538	95	456
113	41	151	76	119	361	509	93	436
107	43	145	76	118	337	480	91	422
96	42	134	74	115	308	452	89	408
89	42	122	73	113	292	430	89	394
86	41	111	72	112	285	414	87	386
82	41	104	72	110	281	400	87	377
80	41	100	70	110	279	389	85	369
80	41	97	70	108	277	383	84	365
79	41	96	69	107	276	377	83	360
78	42	96	69	107	275	373	84	354
76	42	95	68	106	275	369	83	353
78	41	94	69	105	276	367	82	351
78	41	94	67	104	274	365	83	348
78	41	93	68	103	274	363	81	346
77	41	93	68	103	275	362	81	343
78	44	93	68	103	271	362	82	340
89	41	97	68	106	345	385	83	346
100	41	115	69	110	403	429	88	374
111	41	132	72	114	431	476	89	409
116	41	145	74	116	436	514	91	437
119	41	152	75	120	439	540	94	457
121	41	157	77	121	440	558	96	467
123	41	158	77	122	441	571	94	477
123	40	160	78	126	438	580	95	479
123	41	161	79	126	436	584	96	484
123	41	161	79	127	437	589	97	486
123	40	161	80	126	437	592	97	488
124	40	162	80	127	437	593	97	490
125	41	162	80	129	436	595	99	490
124	41	162	81	129	438	597	99	493
124	41	162	81	129	437	597	100	494

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEC.C	7- ENG O COOL O INL DEG
196	60	44	125	125	40	162	82	13
197	61	2	125	124	41	161	81	13
198	61	21	123	124	41	161	81	13
199	61	40	125	124	41	161	82	13
200	61	58	123	123	40	161	82	13
201	62	17	123	124	41	161	81	13
202	62	35	126	125	41	161	81	13
203	62	54	125	125	41	162	82	13
204	63	13	124	125	41	162	82	13
205	63	31	125	125	41	161	82	13
206	63	50	125	125	41	161	83	13
207	64	9	125	126	42	162	82	13
208	64	27	126	126	41	162	83	13
209	64	46	124	125	40	161	82	13
210	65	4	124	125	41	161	82	13
211	65	23	125	126	41	162	83	13
212	65	42	123	124	41	161	82	13
213	66	0	124	124	41	161	83	13
214	66	19	115	118	45	160	85	1
215	66	37	116	117	41	155	80	13
216	66	56	116	118	40	155	80	13
217	67	15	117	118	40	155	80	13
218	67	33	117	118	40	155	80	13
219	67	52	116	118	40	155	80	13
220	68	11	116	119	40	154	80	13
221	68	29	116	118	40	155	80	13
222	68	48	116	119	40	154	80	13
223	69	6	115	118	40	155	80	13
224	69	25	116	118	40	155	79	13
225	69	44	116	118	40	155	79	13
226	70	2	117	119	40	155	79	13
227	70	21	112	115	45	155	81	1
228	70	40	102	103	40	146	77	13
229	70	58	96	95	40	133	76	13
230	71	17	91	88	41	120	74	13
231	71	35	87	84	40	111	73	13
232	71	54	85	82	40	105	72	13
233	72	13	83	80	39	100	70	13
234	72	31	83	79	39	97	70	13
235	72	50	83	79	40	96	70	13
236	73	9	82	79	40	96	69	13
237	73	27	81	78	40	95	69	13
238	73	46	82	79	40	95	68	13
239	74	4	82	78	40	94	67	13
240	74	23	82	78	40	95	67	13
241	74	42	82	79	40	94	67	13
242	75	0	82	77	40	94	67	13
243	75	19	80	78	40	94	67	13
244	75	38	81	78	39	94	67	13
245	75	56	82	77	40	94		

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7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
125	40	162	82	130	438	597	99	496
124	41	161	81	130	436	597	101	496
124	41	161	81	130	436	598	100	495
124	41	161	82	130	436	598	101	495
123	40	161	82	131	436	598	101	495
124	41	161	81	131	436	600	101	495
125	41	161	81	131	437	599	101	495
125	41	162	82	132	436	599	102	495
125	41	162	82	132	437	601	101	496
125	41	161	82	132	438	600	101	497
125	41	161	83	132	437	601	102	497
126	42	162	82	133	439	601	102	498
126	41	162	83	133	437	601	102	499
125	40	161	82	133	437	601	101	498
125	41	161	82	133	437	600	102	499
126	41	162	83	133	438	600	102	499
124	41	161	82	133	438	600	102	499
124	41	161	83	133	435	599	101	497
118	45	160	85	130	381	569	102	479
117	41	155	80	130	401	553	100	461
118	40	155	80	129	411	554	97	460
118	40	155	80	129	414	556	98	460
118	40	155	80	128	415	558	99	461
118	40	155	80	127	412	559	97	461
119	40	154	80	126	414	561	98	461
118	40	155	80	128	413	561	98	461
119	40	154	80	127	413	562	96	461
118	40	155	80	126	415	563	98	460
118	40	155	79	126	413	562	98	460
118	40	155	79	126	415	561	98	459
119	40	155	79	126	414	562	98	459
115	45	155	81	124	372	540	98	452
103	40	146	77	122	331	507	93	434
95	40	133	76	119	307	475	92	417
88	41	120	74	117	291	448	90	400
84	40	111	73	115	285	425	88	387
82	40	105	72	113	280	409	87	377
80	39	100	70	111	277	396	86	369
79	39	97	70	110	276	387	84	364
79	40	96	70	109	275	380	85	357
79	40	96	69	108	275	374	83	354
78	40	95	69	107	274	371	84	350
79	40	95	68	107	274	370	83	347
78	40	94	67	105	274	366	83	346
78	40	95	67	105	274	365	82	342
79	40	94	67	104	273	364	82	342
77	40	94	67	103	272	362	81	342
78	40	94	67	103	272	361	81	339
78	39	94	67	103	273	360	81	338
77	40	94		102	273	361	80	336

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	E CO I O
246	76	15	81	78	40	94	66	
247	76	33	81	78	40	93	66	
248	76	52	82	77	39	94	66	
249	77	11	82	77	40	93	66	
250	77	29	82	77	40	95	66	
251	77	48	81	77	40	94	65	
252	78	7	81	77	41	95	65	
253	78	25	81	73	41	94	65	
254	78	44	81	77	39	93	66	
255	79	3	81	77	40	94	65	
256	79	21	80	78	39	93	65	
257	79	40	81	77	40	94	66	
258	79	58	80	78	40	93	65	
259	80	17	80	77	40	95	64	
260	80	36	81	77	39	93	65	
261	80	54	81	77	40	93	65	
262	81	13	81	77	40	92	65	
263	81	32	81	76	40	93	65	
264	81	50	81	77	40	93	64	
265	82	9	81	76	40	93	65	
266	82	28	82	78	41	94	65	
267	82	46	80	76	40	93	64	
268	83	5	81	77	39	93	65	
269	83	23	80	78	40	94	65	
270	83	42	83	84	42	96	67	
271	84	1	87	90	40	102	67	
272	84	19	95	97	40	111	68	
273	84	38	105	105	41	126	72	
274	84	57	112	111	40	137	71	
275	85	15	112	113	41	145	72	
276	85	34	111	111	40	147	72	
277	85	53	110	111	41	148	73	
278	86	11	109	110	41	149	72	
279	86	30	110	109	41	148	72	
280	86	49	111	111	40	148	73	
281	87	7	110	111	41	150	74	
282	87	26	111	112	41	150	74	
283	87	45	111	112	41	149	74	
284	88	3	110	111	40	149	75	
285	88	22	111	112	42	150	75	
286	88	41	111	111	41	151	74	
287	88	59	111	112	41	150	75	
288	89	18	111	111	41	150	75	
289	89	37	111	112	40	150	75	
290	89	55	112	112	40	149	76	
291	90	14	111	112	41	152	75	
292	90	32	112	113	40	151	75	
293	90	51	112	113	41	151	75	
294	91	10	112	113	41	152	75	
295	91	28	113	112	40	152	75	

7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
78	40	94	66	103	273	359	80	338
78	40	93	66	101	274	359	81	337
77	39	94	66	102	274	359	80	337
77	40	93	66	102	273	358	80	337
77	40	95	66	102	273	357	81	335
77	40	94	65	100	273	356	80	336
77	41	95	65	101	273	357	80	334
78	41	94	65	101	273	356	80	335
77	39	93	66	101	272	356	80	334
77	40	94	65	100	274	356	80	334
78	39	93	65	100	273	355	79	335
77	40	94	66	100	273	355	80	335
78	40	93	65	100	273	356	79	334
77	40	95	64	101	273	355	80	333
77	39	93	65	99	273	355	80	334
77	40	93	65	101	273	355	80	334
77	40	92	65	99	273	355	79	334
76	40	93	65	100	273	354	79	334
77	40	93	64	99	273	354	79	334
76	40	93	65	99	273	355	78	333
78	41	94	65	100	273	355	80	334
76	40	93	64	100	273	355	79	334
77	39	93	65	100	273	355	78	333
78	40	94	65	100	269	356	80	331
84	42	96	67	101	289	360	82	328
90	40	102	67	102	300	367	80	329
97	40	111	68	106	362	394	84	345
105	41	126	72	109	403	437	85	378
111	40	137	71	112	413	471	87	403
113	41	145	72	112	399	491	87	414
111	40	147	72	113	386	492	89	414
111	41	148	73	113	383	491	88	414
110	41	149	72	113	383	490	88	417
109	41	146	72	114	382	490	89	415
111	40	148	73	116	381	490	90	415
111	41	150	74	116	384	492	91	418
112	41	150	74	116	385	494	91	418
112	41	149	74	116	386	497	92	419
111	40	149	75	116	388	499	92	421
112	42	150	75	117	388	501	92	422
111	41	151	74	117	386	502	92	423
112	41	150	75	119	383	501	92	422
111	41	150	75	118	381	497	92	420
112	40	150	75	117	385	497	92	420
112	40	149	76	118	387	498	92	422
112	41	152	75	118	387	499	93	421
113	40	151	75	118	386	502	93	424
113	41	151	75	119	389	502	92	427
113	41	152	75	119	388	503	92	427
112	40	152	75	119	389	504	93	426

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	E CO I D
296	91	47	113	112	40	152	75	
297	92	6	113	112	41	152	75	
298	92	24	108	112	44	150	78	
299	92	43	101	107	41	144	75	
300	93	2	96	105	42	136	75	
301	93	20	93	102	40	129	73	
302	93	39	90	97	46	124	82	
303	93	58	85	88	46	114	85	
304	94	16	80	81	45	103	85	
305	94	35	76	76	47	96	87	
306	94	54	72	72	48	89	93	
307	95	12	68	69	55	86	92	
308	95	31	67	68	68	82	87	
309	95	50	66	67	75	79	86	
310	96	8	66	67	75	78	84	
311	96	27	67	67	75	77	84	
312	96	46	67	68	75	77	83	
313	97	4	69	68	64	76	*	
314	*	*	*	*	*	*	*	

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7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
112	40	152	75	119	389	503	92	427
112	41	152	75	119	389	504	94	428
112	44	150	78	118	352	488	95	418
107	41	144	75	117	331	466	92	402
105	42	136	75	116	318	446	92	391
102	40	129	73	114	310	428	89	381
97	46	124	82	113	302	420	96	379
88	46	114	85	112	279	417	96	380
81	45	103	85	110	264	417	96	383
76	47	96	87	110	256	420	96	388
72	48	89	93	108	261	413	104	381
69	55	86	92	107	263	397	105	366
68	68	82	87	107	264	381	105	354
67	75	79	86	105	263	366	104	344
67	75	78	84	105	262	355	103	336
67	75	77	84	104	261	346	102	330
68	75	77	83	104	260	337	102	325
68	64	78	*	103	259	329	101	321
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 EN6.1 T5 HRNESS TEMP DEG.C
1	0	16	48
2	0	35	48
3	0	53	48
4	1	12	48
5	1	30	48
6	1	49	48
7	2	8	48
8	2	26	48
9	2	45	48
10	3	3	48
11	3	22	48
12	3	40	48
13	3	59	48
14	4	18	48
15	4	36	48
16	4	55	48
17	5	13	48
18	5	32	48
19	5	51	48
20	6	9	48
21	6	28	48
22	6	46	48
23	7	5	48
24	7	24	48
25	7	42	48
26	8	1	48
27	8	19	48
28	8	38	48
29	8	57	48
30	9	15	48
31	9	34	48
32	9	52	48
33	10	11	48
34	10	30	48
35	10	48	48
36	11	7	48
37	11	25	48
38	11	44	48
39	12	3	48
40	12	21	48
41	12	40	48
42	12	58	49
43	13	17	48
44	13	36	48
45	13	54	48

1275

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
46	14	13	48
47	14	31	49
48	14	50	48
49	15	9	49
50	15	27	49
51	15	46	49
52	16	4	48
53	16	23	48
54	16	42	48
55	17	0	48
56	17	19	49
57	17	37	49
58	17	56	48
59	18	15	49
60	18	33	49
61	18	52	48
62	19	10	48
63	19	29	49
64	19	48	49
65	20	6	49
66	20	25	49
67	20	43	50
68	21	2	50
69	21	21	49
70	21	39	49
71	21	58	49
72	22	16	49
73	22	35	49
74	22	54	50
75	23	12	49
76	23	31	50
77	23	49	51
78	24	8	51
79	24	27	53
80	24	45	54
81	25	4	55
82	25	22	58
83	25	41	62
84	25	59	68
85	26	18	73
86	26	37	80
87	26	55	88
88	27	14	97
89	27	32	103
90	27	51	111
91	28	10	116
92	28	28	122
93	28	47	127
94	29	5	130
95	29	24	136

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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
96	29	43	138
97	30	1	143
98	30	20	144
99	30	38	145
100	30	57	148
101	31	16	150
102	31	34	150
103	31	53	153
104	32	11	155
105	32	30	156
106	32	49	159
107	33	7	159
108	33	26	161
109	33	44	160
110	34	3	161
111	34	21	164
112	34	40	164
113	34	59	166
114	35	17	169
115	35	36	170
116	35	54	171
117	36	13	172
118	36	32	173
119	36	50	175
120	37	9	176
121	37	27	177
122	37	46	178
123	38	4	178
124	38	23	179
125	38	42	180
126	39	0	180
127	39	19	181
128	39	38	179
129	39	56	179
130	40	15	177
131	40	33	177
132	40	52	175
133	41	11	175
134	41	29	175
135	41	48	174
136	42	6	173
137	42	25	173
138	42	44	171
139	43	2	172
140	43	21	171
141	43	39	171
142	43	58	171
143	44	17	171
144	44	35	171
145	44	54	170

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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
146	45	12	170
147	45	31	171
148	45	50	170
149	46	8	171
150	46	27	170
151	46	46	170
152	47	4	170
153	47	23	170
154	47	41	170
155	48	0	170
156	48	19	170
157	48	37	171
158	48	56	171
159	49	15	172
160	49	33	171
161	49	52	173
162	50	10	176
163	50	29	179
164	50	46	180
165	51	6	180
166	51	25	179
167	51	44	179
168	52	2	178
169	52	21	174
170	52	39	172
171	52	58	170
172	53	17	168
173	53	35	167
174	53	54	163
175	54	13	163
176	54	31	161
177	54	50	159
178	55	8	157
179	55	27	156
180	55	46	155
181	56	4	155
182	56	23	156
183	56	42	158
184	57	0	162
185	57	19	166
186	57	37	171
187	57	56	173
188	58	15	174
189	58	33	177
190	58	52	179
191	59	11	182
192	59	29	184
193	59	48	186
194	60	6	188
195	60	25	190

1278

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
196	60	44	190
197	61	2	192
198	61	21	194
199	61	40	196
200	61	58	194
201	62	17	196
202	62	35	196
203	62	54	198
204	63	13	199
205	63	31	198
206	63	50	200
207	64	9	200
208	64	27	201
209	64	46	201
210	65	4	201
211	65	23	202
212	65	42	203
213	66	0	202
214	66	19	203
215	66	37	201
216	66	56	199
217	67	15	199
218	67	33	200
219	67	52	199
220	68	11	199
221	68	29	198
222	68	48	198
223	69	6	196
224	69	25	197
225	69	44	195
226	70	2	195
227	70	21	194
228	70	40	193
229	70	58	191
230	71	17	189
231	71	35	186
232	71	54	183
233	72	13	180
234	72	31	177
235	72	50	174
236	73	9	171
237	73	27	170
238	73	46	167
239	74	4	165
240	74	23	162
241	74	42	161
242	75	0	159
243	75	19	157
244	75	38	156
245	75	56	155

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
246	76	15	152
247	76	33	151
248	76	52	151
249	77	11	150
250	77	29	148
251	77	48	149
252	78	7	148
253	78	25	146
254	78	44	146
255	79	3	145
256	79	21	145
257	79	40	145
258	79	58	145
259	80	17	144
260	80	36	144
261	80	54	144
262	81	13	144
263	81	32	143
264	81	50	143
265	82	9	141
266	82	28	143
267	82	46	143
268	83	5	142
269	83	23	143
270	83	42	144
271	84	1	144
272	84	19	146
273	84	38	149
274	84	57	154
275	85	15	156
276	85	34	160
277	85	53	162
278	86	11	165
279	86	30	168
280	86	49	171
281	87	7	173
282	87	26	175
283	87	45	177
284	88	3	178
285	88	22	179
286	88	41	181
287	88	59	182
288	89	18	182
289	89	37	184
290	89	55	185
291	90	14	187
292	90	32	188
293	90	51	188
294	91	10	189
295	91	28	189

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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
296	91	47	189
297	92	6	189
298	92	24	190
299	92	43	189
300	93	2	188
301	93	20	187
302	93	39	184
303	93	58	182
304	94	16	180
305	94	35	177
306	94	54	179
307	95	12	180
308	95	31	179
309	95	50	178
310	96	8	178
311	96	27	179
312	96	46	178
313	97	4	177
314	*	*	*

HH-53C S/N 68 10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INSD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	E
1	16	58	50	43	48	49	48	
2	0	37	49	43	48	48	48	
3	0	55	48	44	48	49	48	
4	1	14	49	43	48	49	48	
5	1	33	49	43	48	49	48	
6	1	51	49	43	48	49	48	
7	2	10	49	43	48	49	48	
8	2	28	49	43	48	49	48	
9	2	47	49	43	48	49	48	
10	3	5	50	43	49	48	48	
11	3	24	49	43	49	49	48	
12	3	43	48	44	48	49	48	
13	4	1	49	43	48	49	48	
14	4	20	49	44	48	49	48	
15	4	38	49	43	49	49	48	
16	4	57	49	44	48	48	48	
17	5	16	49	43	48	49	48	
18	5	34	49	43	48	49	48	
19	5	53	49	43	48	49	48	
20	6	11	49	43	48	49	48	
21	6	30	49	44	49	48	48	
22	6	49	50	43	48	50	48	
23	7	7	49	44	48	49	49	
24	7	26	49	43	49	49	48	
25	7	44	49	44	48	49	49	
26	8	3	49	43	48	49	48	
27	8	22	49	43	48	49	48	
28	8	40	49	44	48	49	48	
29	8	59	50	43	48	49	48	
30	9	17	50	43	48	49	48	
31	9	36	49	44	48	49	48	
32	9	55	49	43	48	49	48	
33	10	13	49	43	48	48	48	
34	10	32	49	43	49	48	48	
35	10	50	49	43	49	49	49	
36	11	9	48	43	49	48	48	
37	11	28	50	43	48	48	48	
38	11	46	49	43	49	49	49	
39	12	5	49	43	48	49	49	
40	12	23	49	43	48	49	48	
41	12	42	49	43	48	48	48	
42	13	1	49	43	48	49	48	
43	13	19	49	43	48	48	48	
44	13	38	49	43	48	49		
45	13	56	49	43	48	49		

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

8-06 ENG.2 IGNIT NCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
43	48	49	48	44	42	43	43	42
43	48	48	48	44	43	42	42	42
44	48	49	48	44	43	43	43	43
43	48	49	48	44	43	42	44	42
43	48	49	48	44	42	42	43	43
43	48	49	48	45	42	42	43	42
43	48	49	48	44	43	42	43	42
43	48	49	48	44	43	43	43	43
43	48	49	48	43	43	42	43	42
43	48	48	48	44	42	43	43	43
43	49	49	48	44	43	43	43	42
44	48	49	48	43	43	43	43	43
43	48	49	48	44	43	42	43	43
44	48	49	48	43	44	43	43	43
43	49	49	48	44	43	43	43	43
44	48	48	48	44	43	43	43	43
43	48	49	48	44	43	43	43	41
43	48	49	48	44	43	42	43	42
43	48	49	48	43	42	42	43	43
43	48	49	48	44	43	43	43	43
44	49	48	48	44	42	43	43	43
43	48	50	48	44	43	43	43	42
44	48	49	49	44	43	42	43	43
43	49	49	48	44	43	44	43	43
44	48	49	49	43	42	43	43	43
43	48	49	48	44	43	43	43	43
43	48	49	48	44	43	43	44	43
44	48	49	48	44	43	43	43	43
43	48	49	48	44	43	43	43	43
43	48	49	48	44	43	43	43	43
44	48	49	48	44	43	43	44	43
43	48	49	48	44	43	42	44	43
43	48	48	48	44	43	42	43	43
43	49	48	48	44	42	43	43	42
43	49	49	49	44	43	43	43	42
43	49	48	48	44	43	43	42	43
43	48	48	48	44	42	43	43	42
43	49	49	48	44	43	43	43	43
43	48	49	49	44	43	43	*	43
43	48	49	48	44	43	43	44	43
43	48	48	48	44	42	43	43	42
43	48	49	48	44	43	43	42	43
43	48	48	48	44	43	43	43	43
43	48	49	48	44	43	43	43	43
43	48	49	48	44	42	42	43	42

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
46	14	15	48	43	48	48	48
47	14	34	49	43	48	49	49
48	14	52	48	43	48	48	48
49	15	11	49	43	49	49	49
50	15	29	49	43	49	48	49
51	15	48	49	44	48	49	48
52	16	7	48	42	49	49	48
53	16	25	49	44	49	50	48
54	16	44	49	43	48	49	48
55	17	2	49	44	48	49	48
56	17	21	50	43	48	49	48
57	17	40	48	43	48	49	48
58	17	58	49	43	48	48	48
59	18	17	48	44	48	49	48
60	18	35	48	43	48	49	48
61	18	54	49	44	48	49	48
62	19	13	49	43	48	48	48
63	19	31	49	43	48	48	48
64	19	50	49	43	48	48	49
65	20	8	49	43	49	49	53
66	20	27	49	43	49	49	52
67	20	46	49	44	49	49	52
68	21	4	48	44	48	49	51
69	21	23	49	43	49	50	52
70	21	41	50	43	49	49	51
71	22	0	49	43	49	49	52
72	22	19	49	43	48	49	51
73	22	37	49	43	49	49	51
74	22	56	49	43	49	49	50
75	23	14	50	43	49	49	51
76	23	33	49	43	49	50	50
77	23	52	48	44	50	50	51
78	24	10	50	44	49	51	50
79	24	29	50	43	49	50	50
80	24	47	49	44	48	49	50
81	25	6	49	43	49	50	50
82	25	24	50	43	49	49	50
83	25	43	50	43	49	50	50
84	26	2	49	44	50	49	49
85	26	20	49	43	49	49	50
86	26	39	49	44	50	49	50
87	26	57	49	43	49	50	49
88	27	16	49	43	49	50	49
89	27	35	50	44	48	50	52
90	27	53	50	43	50	53	58
91	28	12	51	44	53	54	61
92	28	30	51	45	56	56	67
93	28	49	51	45	59	58	72
94	29	8	50	45	63	59	79
95	29	26	52	45	67	60	83

-06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
NIT	LUBE	FUEL	SCAVAG	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
ITR	PUMP	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
UNT	INLET	CASE	OUTLET	CASE	STG.2	STG.3	STG.3	STG.3
EMP	OIL	TEMP	OIL	TEMP	4.30	3.00	4.30	6.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
43	48	48	48	44	42	43	43	43
43	48	49	49	43	43	43	43	43
43	48	48	48	43	43	43	43	43
43	49	49	49	45	43	43	43	43
43	49	48	49	44	43	43	43	43
44	48	49	48	44	43	42	43	42
42	49	49	48	44	43	43	43	43
44	49	50	48	44	43	43	44	43
43	48	49	48	45	43	42	44	43
44	48	49	48	44	43	43	43	43
43	48	49	48	44	42	43	43	43
43	48	49	48	44	43	42	43	43
43	48	48	48	44	42	43	43	43
44	48	49	48	44	42	43	42	43
43	48	49	48	43	42	42	42	42
44	48	49	48	43	42	43	43	43
43	48	48	48	43	42	43	43	43
43	48	48	48	44	42	43	43	42
43	48	48	49	44	43	43	44	43
43	49	49	53	45	43	46	45	44
43	49	49	52	44	44	45	46	45
44	49	49	52	45	44	44	44	46
44	48	49	51	44	44	45	44	47
43	49	50	52	45	43	45	44	47
43	49	49	51	45	43	44	45	48
43	49	49	52	45	44	45	44	48
43	48	49	51	44	44	44	44	48
43	49	49	51	45	44	45	45	48
43	49	49	50	45	44	45	46	48
43	49	49	51	45	43	45	44	48
43	49	50	50	45	44	44	44	48
44	50	50	51	45	44	45	44	48
44	49	51	50	45	44	45	45	48
43	49	50	50	45	44	45	44	48
44	48	49	50	45	44	45	44	47
43	49	50	50	45	44	44	44	48
43	49	49	50	45	44	44	44	48
43	49	50	50	44	44	45	43	46
44	50	49	49	45	44	45	45	46
43	49	49	50	44	44	44	43	46
44	50	49	50	45	43	45	44	45
43	49	50	49	45	44	44	44	46
43	49	50	49	45	45	44	44	46
44	48	50	52	44	45	45	44	46
43	50	53	58	46	49	56	53	48
44	53	54	61	48	54	60	59	51
45	56	56	67	48	56	66	65	54
45	59	58	72	50	59	72	73	60
45	63	59	79	48	64	79	*	65
45	67	60	83	51	65	76	81	69

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
96	29	45	52	47	71	62	87
97	30	3	53	48	74	64	91
98	30	22	54	49	77	60	93
99	30	41	54	50	79	63	96
100	30	59	54	51	80	64	99
101	31	18	56	52	82	63	101
102	31	36	56	54	82	63	101
103	31	55	57	55	83	64	103
104	32	14	58	57	83	63	104
105	32	32	59	58	84	61	105
106	32	51	59	59	84	63	105
107	33	9	60	60	84	67	107
108	33	28	61	61	85	64	106
109	33	46	60	61	86	64	107
110	34	5	62	64	86	63	107
111	34	24	61	64	87	63	107
112	34	42	62	64	88	68	106
113	35	1	63	65	88	64	106
114	35	19	63	65	88	64	106
115	35	38	63	66	88	63	106
116	35	57	63	66	87	59	105
117	36	15	64	67	87	60	105
118	36	34	64	67	86	64	105
119	36	52	64	67	86	61	105
120	37	11	64	67	86	60	104
121	37	29	64	67	85	66	105
122	37	48	64	67	85	59	103
123	38	7	65	67	86	63	104
124	38	25	65	67	85	63	104
125	38	44	65	67	85	60	103
126	39	2	66	68	85	64	105
127	39	21	66	68	83	64	105
128	39	40	66	67	84	63	105
129	39	58	66	68	85	63	106
130	40	17	66	68	86	63	106
131	40	36	68	68	87	64	107
132	40	54	67	68	87	65	108
133	41	13	68	69	88	60	109
134	41	31	68	70	88	63	109
135	41	50	68	71	88	63	109
136	42	9	68	71	88	60	110
137	42	27	69	72	89	65	111
138	42	46	69	72	88	60	111
139	43	4	69	72	89	59	110
140	43	23	70	73	89	60	111
141	43	42	70	73	90	62	111
142	44	0	69	73	90	60	111
143	44	19	71	74	90	60	112
144	44	37	70	74	91	60	112
145	44	56	71	75	91	60	

-06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
GNIT	LUBE	FUEL	SCAVAG	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
CITR	PUMP	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
OUNT	INLET	CASE	OUTLET	CASE	STG.2	STG.3	STG.3	STG.3
TEMP	OIL	TEMP	OIL	TEMP	4.30	3.00	4.30	6.00
EG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
47	71	62	87	50	65	77	82	73
48	74	64	91	52	64	78	*	75
49	77	60	93	52	64	78	82	77
50	79	63	96	52	64	78	81	79
51	80	64	99	53	67	80	*	80
52	82	63	101	53	66	79	*	80
54	82	63	101	53	66	79	*	81
55	83	64	103	53	65	78	*	81
57	83	63	104	53	64	78	*	79
58	84	61	105	54	64	77	*	80
59	84	63	105	55	65	79	*	80
60	84	67	107	55	64	79	*	80
61	85	64	106	55	65	78	*	80
61	86	64	107	56	64	79	*	81
64	86	63	107	56	64	71	*	80
64	87	63	107	58	63	70	75	77
64	88	68	106	58	62	69	74	75
65	89	64	106	59	63	66	70	73
65	88	64	106	59	64	67	70	71
66	88	63	106	59	63	67	70	71
66	87	59	105	59	61	65	69	70
67	87	60	105	60	63	65	69	69
67	86	64	105	60	62	66	70	68
67	86	61	105	60	63	67	69	68
67	86	60	104	61	63	66	70	69
67	85	66	105	62	62	65	69	67
67	85	59	103	60	63	66	69	68
67	86	63	104	62	64	66	70	69
67	85	67	104	61	63	65	69	68
67	85	66	103	62	63	67	70	67
68	85	64	105	60	63	75	75	69
68	83	64	105	58	64	78	82	73
67	84	63	105	58	66	78	82	77
68	85	63	106	58	67	79	82	79
68	86	63	106	58	66	79	82	80
68	87	64	107	58	66	80	84	82
68	87	65	108	58	67	79	82	82
69	88	60	109	58	67	80	84	83
70	88	63	109	57	67	79	83	83
71	88	63	109	56	67	79	82	83
71	88	60	110	58	67	79	82	84
72	89	65	111	58	65	80	82	83
72	88	60	111	58	67	79	82	85
72	89	59	110	58	67	79	83	85
73	89	60	111	58	67	79	82	85
73	90	62	111	58	66	80	83	84
73	90	60	111	58	67	80	83	84
74	90	60	112	58	67	80	84	86
74	91	60	112	58	67	79	82	86
75	91	60	?	58	67	78	82	85

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
146	45	15	71	75	92	60	112
147	45	33	71	75	90	61	112
148	45	52	72	75	91	60	113
149	46	11	71	77	92	64	112
150	46	29	73	77	93	60	113
151	46	48	72	77	91	59	113
152	47	6	72	77	91	60	113
153	47	25	72	76	91	60	113
154	47	44	72	77	91	59	113
155	48	2	73	78	90	59	113
156	48	21	73	78	90	64	112
157	48	39	73	78	90	59	113
158	48	58	74	78	89	59	112
159	49	17	73	78	89	58	112
160	49	35	73	78	90	60	113
161	49	54	75	77	90	67	116
162	50	13	75	76	93	69	119
163	50	31	76	77	93	70	120
164	50	50	78	77	95	70	117
165	51	8	77	79	94	66	119
166	51	27	78	80	95	67	121
167	51	46	79	80	96	65	122
168	52	4	80	80	96	67	125
169	52	23	80	81	96	68	125
170	52	42	80	81	97	66	125
171	53	0	81	83	98	69	126
172	53	19	81	85	98	66	126
173	53	37	82	85	100	65	127
174	53	56	83	87	99	67	128
175	54	15	83	87	100	63	128
176	54	33	84	88	99	66	128
177	54	52	85	89	100	66	128
178	55	11	85	90	100	67	128
179	55	29	86	91	100	66	129
180	55	48	85	91	100	66	127
181	56	6	86	92	99	60	125
182	56	25	86	93	97	60	122
183	56	44	86	94	94	62	118
184	57	2	84	92	93	61	116
185	57	21	84	92	91	59	115
186	57	40	83	90	90	60	114
187	57	58	83	90	88	58	111
188	58	17	82	88	87	61	111
189	58	35	82	87	86	60	109
190	58	54	82	86	86	58	110
191	59	13	82	85	85	58	108
192	59	31	81	85	84	63	107
193	59	50	80	83	84	60	107
194	60	9	80	83	83	61	107
195	60	27	80	83	84	63	106

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1245

8-06 ENG.2 IGNITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
75	92	60	112	58	65	79	82	84
75	90	61	112	58	66	79	82	84
75	91	60	113	58	66	79	82	84
77	92	64	112	58	66	78	82	84
77	93	60	113	59	66	79	81	85
77	91	59	113	58	67	79	82	82
77	91	60	113	58	67	79	81	84
76	91	60	113	58	66	78	82	84
77	91	59	113	58	65	78	80	83
78	90	59	113	59	64	77	80	82
78	90	64	112	59	64	77	79	81
78	90	59	113	58	66	79	82	82
78	89	59	112	58	67	79	82	82
78	89	58	112	58	67	81	84	82
78	90	60	113	53	67	92	*	84
77	90	67	116	50	66	94	*	87
76	93	69	119	48	70	94	*	87
77	93	70	120	49	72	93	*	87
77	95	70	117	51	68	82	*	88
79	94	66	119	50	71	91	99	90
80	95	67	121	49	74	95	106	90
80	96	65	122	48	75	95	108	94
80	96	67	125	49	72	95	106	92
81	96	68	125	48	78	95	110	95
81	97	66	125	48	75	94	108	96
83	98	69	126	48	75	96	108	96
85	98	66	126	48	79	96	110	98
85	100	65	127	48	78	96	110	98
87	99	67	128	48	77	96	110	100
87	100	63	128	48	78	96	110	100
88	99	66	128	48	73	96	108	96
89	100	66	128	48	79	96	109	98
90	100	67	128	48	75	94	109	98
91	100	66	129	48	75	95	108	97
91	100	66	127	49	74	85	96	96
92	99	60	125	52	67	76	81	92
93	97	60	122	54	63	74	77	86
94	94	62	118	55	62	76	75	82
92	93	61	116	56	64	77	79	79
92	91	59	115	57	62	76	*	77
90	90	60	114	58	63	76	74	76
90	88	58	111	56	63	75	74	74
88	87	61	111	58	62	75	74	74
87	86	60	109	58	62	75	73	74
86	86	58	110	59	61	75	73	74
85	85	58	108	58	59	75	73	74
85	84	63	107	58	61	74	73	73
83	84	60	107	59	62	75	73	73
83	83	61	107	59	61	75	73	73
83	84	63	106	60	61	74	73	73

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
196	60	46	80	82	83	96	105
197	61	4	80	82	83	59	104
198	61	23	79	81	83	63	105
199	61	42	78	79	82	54	104
200	62	0	79	80	82	58	103
201	62	19	78	80	82	59	103
202	62	38	77	79	82	60	104
203	62	56	78	78	81	63	103
204	63	15	77	78	81	59	103
205	63	33	77	77	80	63	103
206	63	52	77	77	81	58	103
207	64	11	77	77	80	59	103
208	64	29	77	77	81	58	103
209	64	48	77	76	81	59	102
210	65	7	75	76	80	56	102
211	65	25	76	77	81	60	102
212	65	44	76	76	81	62	102
213	66	2	75	76	81	59	102
214	66	21	76	76	81	61	101
215	66	40	75	75	81	60	102
216	66	58	76	76	80	63	101
217	67	17	76	75	80	59	102
218	67	36	76	75	80	60	101
219	67	54	75	75	80	54	101
220	68	13	76	75	80	55	100
221	68	31	75	76	80	54	101
222	68	50	75	75	79	58	101
223	69	9	75	75	80	57	100
224	69	27	74	75	80	62	101
225	69	46	75	74	79	61	100
226	70	5	75	74	80	54	100
227	70	23	74	75	80	56	101
228	70	42	74	74	80	60	102
229	71	0	75	74	83	63	106
230	71	19	75	75	85	60	109
231	71	38	76	75	86	62	110
232	71	56	76	76	87	67	111
233	72	15	76	76	88	63	113
234	72	33	77	77	89	63	113
235	72	52	78	78	90	64	114
236	73	11	78	78	91	64	115
237	73	29	78	80	92	63	116
238	73	48	78	81	92	64	116
239	74	7	80	82	92	63	117
240	74	25	80	82	92	66	116
241	74	44	79	84	93	61	116
242	75	3	80	85	93	61	118
243	75	21	80	85	92	68	119
244	75	40	81	86	93	63	118
245	75	58	81	87	94	62	1

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8-06 ENG.2 IGNIT ICITR OUNT TEMP EG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
82	83	96	105	60	60	75	72	71
82	83	59	104	59	62	74	73	72
81	83	63	105	58	61	73	73	72
79	82	54	104	60	60	74	72	71
80	82	58	103	60	61	74	73	72
80	82	59	103	58	61	73	73	71
79	82	60	104	59	60	75	73	71
78	81	63	103	59	60	74	72	70
78	81	59	103	59	62	74	73	71
77	80	63	103	59	60	74	73	70
77	81	58	103	58	61	74	73	71
77	80	59	103	59	60	74	73	71
77	81	58	103	59	60	73	73	70
76	81	59	102	58	60	74	73	71
76	80	56	102	59	61	74	74	71
77	81	60	102	59	60	74	73	71
76	81	62	102	59	59	73	72	71
76	81	59	102	59	61	72	72	70
76	81	61	101	60	62	70	72	70
75	81	60	102	60	59	69	70	71
76	80	63	101	59	59	68	70	70
75	80	59	102	60	58	69	71	69
75	80	60	101	60	59	69	69	68
75	80	54	101	60	60	69	70	69
75	80	55	100	60	60	69	70	68
76	80	54	101	60	60	69	70	68
75	79	58	101	60	59	69	70	69
75	80	57	100	60	58	69	70	69
75	80	62	101	59	58	69	69	69
74	79	61	100	60	58	69	70	68
74	80	54	100	60	58	68	70	67
75	80	56	101	59	61	74	74	70
74	80	60	102	54	67	83	91	73
74	83	63	106	52	72	87	*	81
75	85	60	109	52	71	87	*	83
75	86	62	110	50	71	88	*	87
76	87	67	111	51	73	88	99	89
76	88	63	113	49	71	89	99	88
77	89	63	113	49	72	88	100	89
78	90	64	114	49	72	88	100	90
78	91	64	115	48	74	89	100	92
80	92	63	116	48	71	90	99	92
81	92	64	116	48	73	89	100	92
82	92	63	117	49	74	90	100	92
82	92	66	116	49	75	89	100	93
84	93	61	116	48	74	89	100	92
85	93	61	118	49	73	89	100	92
85	92	68	119	48	74	89	100	93
86	93	63	118	48	73	89	101	92
87	94	62	1	49	72	89	101	91

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
246	76	17	82	87	93	61	119
247	76	36	81	87	94	59	119
248	76	54	82	88	94	63	119
249	77	13	81	87	94	63	119
250	77	32	82	87	95	64	119
251	77	50	82	88	94	64	119
252	78	9	84	89	95	63	120
253	78	27	84	89	95	64	120
254	78	46	83	90	94	66	121
255	79	5	84	89	95	63	120
256	79	23	83	91	94	59	120
257	79	42	83	92	95	63	121
258	80	1	85	91	95	64	121
259	80	19	85	92	96	67	121
260	80	38	84	92	95	63	121
261	80	57	85	93	95	61	121
262	81	15	84	93	94	60	121
263	81	34	85	92	95	61	121
264	81	49	85	92	95	64	120
265	82	11	85	93	95	63	121
266	82	30	87	93	94	61	121
267	82	48	85	92	95	63	122
268	83	7	85	94	94	62	121
269	83	26	86	93	96	63	121
270	83	44	85	94	95	63	120
271	84	3	85	94	95	62	119
272	84	22	85	94	94	63	119
273	84	40	85	93	94	63	118
274	84	59	85	92	93	64	121
275	85	18	85	92	94	64	119
276	85	36	85	89	95	60	119
277	85	55	85	91	93	64	119
278	86	13	85	89	94	64	119
279	86	32	86	90	93	63	118
280	86	51	85	91	93	63	118
281	87	9	85	90	94	63	119
282	87	28	85	90	93	60	119
283	87	47	86	89	93	62	118
284	88	5	85	89	92	63	118
285	88	24	85	89	93	63	117
286	88	43	86	89	93	63	117
287	89	1	85	89	93	71	116
288	89	20	85	89	93	62	116
289	89	39	84	89	92	64	117
290	89	57	84	89	92	62	117
291	90	16	86	89	91	64	116
292	90	35	84	89	92	63	116
293	90	53	84	89	92	67	116
294	91	12	85	89	91	62	116
295	91	31	85	89	92	63	116

8-06 ENG.2 GNIT CITR OUNT TEMP EG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
87		61	119	48	71	89	100	91
87	94	59	119	48	73	89	101	92
88	94	63	119	48	73	89	99	92
87	94	63	119	48	74	88	101	92
87	95	64	119	48	74	90	101	92
88	94	64	119	49	72	90	101	92
89	95	63	120	50	73	90	101	93
89	95	64	120	49	76	88	102	94
90	94	66	121	49	75	89	102	93
89	95	63	120	49	73	89	101	93
91	94	59	120	49	75	89	101	93
92	95	63	121	49	74	90	101	93
91	95	64	121	49	75	89	101	95
92	96	67	121	48	74	89	101	93
92	95	63	121	49	74	89	100	94
93	95	61	121	49	75	90	102	93
93	94	60	121	49	71	89	100	93
92	95	61	121	49	74	88	101	93
92	95	64	120	49	73	89	100	93
93	95	63	121	49	74	89	101	92
93	94	61	121	49	75	90	100	94
92	95	63	122	50	72	89	100	93
94	94	62	121	48	72	89	100	94
93	96	63	121	50	69	83	92	92
94	95	63	120	52	65	77	83	89
94	95	62	119	53	64	77	*	87
94	94	63	119	52	71	88	*	88
93	94	63	119	50	70	92	100	88
92	93	64	121	49	70	91	100	86
92	94	64	119	49	71	87	99	89
89	95	60	119	50	73	86	97	89
91	93	64	119	50	71	86	98	90
89	94	64	119	50	68	86	97	88
90	93	63	118	50	68	85	96	88
91	93	63	118	50	70	85	97	87
90	94	63	119	50	72	85	97	89
90	93	60	119	52	72	84	96	89
89	93	62	118	51	70	84	95	88
89	92	63	118	50	70	83	95	87
89	93	63	117	51	71	84	94	88
89	93	63	117	52	72	84	95	89
89	93	71	116	53	69	82	92	88
89	93	62	116	51	69	83	93	87
89	92	64	117	52	68	82	95	87
89	92	62	117	51	72	83	95	87
89	91	64	116	51	70	83	94	87
89	92	63	116	52	71	83	94	88
89	92	67	116	51	70	83	94	88
89	91	62	116	51	66	82	94	86
89	92	63	116	51	68	83	93	84

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
296	91	49	84	87	92	63	116
297	92	8	85	87	90	67	116
298	92	27	85	87	92	64	116
299	92	45	83	87	91	61	114
300	93	4	84	87	91	63	114
301	93	23	83	88	91	60	114
302	93	41	83	88	91	63	112
303	94	0	83	87	93	63	109
304	94	18	83	87	95	63	111
305	94	37	83	87	96	64	110
306	94	56	82	87	95	70	110
307	95	14	82	87	96	74	107
308	95	33	82	86	96	80	106
309	95	52	84	87	95	80	105
310	96	10	84	86	94	80	105
311	96	29	83	85	93	80	103
312	96	48	82	85	94	80	103
313	97	6	83	84	93	80	101
314	*	*	*	*	*	*	*

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8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
87	92	63	116	51	68	83	96	85
87	90	67	116	51	70	84	95	86
87	92	64	116	53	67	78	*	84
87	91	61	114	54	65	78	*	83
87	91	63	114	55	65	77	*	83
88	91	60	114	55	64	76	*	82
88	91	63	112	57	63	65	71	80
87	93	63	109	58	63	63	69	75
87	95	63	111	59	62	63	67	72
87	96	64	110	59	61	61	65	70
87	95	70	110	60	57	55	61	67
87	96	74	107	61	55	54	58	66
86	96	80	106	60	54	53	57	64
87	95	80	105	61	56	55	58	63
86	94	80	105	61	55	55	59	62
85	93	80	103	61	56	54	59	63
85	94	80	103	60	55	55	58	62
84	93	80	101	61	55	56	59	62
*	*	*	*	*	*	*	*	*

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8- EN COM ST 6 DE
46	14	15	43	50	49	49	43	
47	14	34	43	49	49	49	44	
48	14	52	42	49	48	48	43	
49	15	11	43	49	49	50	45	
50	15	29	43	48	49	49	44	
51	15	48	42	49	50	49	45	
52	16	7	43	49	48	50	44	
53	16	25	43	50	50	49	44	
54	16	44	42	49	49	49	45	
55	17	2	43	49	49	49	44	
56	17	21	43	49	49	49	44	
57	17	40	42	49	49	49	44	
58	17	58	43	48	49	49	43	
59	18	17	43	49	48	49	43	
60	18	35	42	48	49	49	45	
61	18	54	42	48	48	50	44	
62	19	13	44	48	49	49	43	
63	19	31	43	48	49	50	45	
64	19	50	43	50	49	49	44	
65	20	8	45	52	53	49	44	
66	20	27	45	51	50	51	45	
67	20	46	45	51	50	51	46	
68	21	4	45	52	50	52	46	
69	21	23	45	51	50	51	47	
70	21	41	45	51	51	51	47	
71	22	0	45	51	50	52	46	
72	22	19	45	51	50	51	45	
73	22	37	45	51	50	51	46	
74	22	56	45	51	50	51	47	
75	23	14	46	52	50	52	48	
76	23	33	45	49	51	50	48	
77	23	52	46	50	50	51	47	
78	24	10	45	51	51	50	47	
79	24	29	48	50	51	51	48	
80	24	47	46	51	51	51	47	
81	25	6	45	50	51	52	47	
82	25	24	46	50	51	51	46	
83	25	43	45	50	50	50	48	
84	26	2	45	51	51	51	47	
85	26	20	45	50	49	52	45	
86	26	39	45	50	50	51	46	
87	26	57	45	50	50	50	48	
88	27	16	45	50	50	49	46	
89	27	35	45	50	51	50	46	
90	27	53	52	60	61	53	48	
91	28	12	62	67	71	59	53	
92	28	30	75	80	83	67	58	
93	28	49	89	93	97	78	68	
94	29	8	105	106	111	96	82	
95	29	26	106	103	106	107		

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8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
50	49	49	43	43	48	43	42	48
49	49	49	44	44	48	42	43	48
49	48	48	43	43	48	42	42	48
49	49	50	45	43	49	43	42	48
48	49	49	44	43	48	42	43	48
49	50	49	45	44	48	43	42	48
49	48	50	44	43	49	42	42	49
50	50	49	44	43	48	43	42	49
49	49	49	45	43	48	43	42	48
49	49	49	44	44	49	43	43	48
49	49	49	44	43	48	43	41	49
49	49	49	44	43	48	43	43	48
48	49	49	43	42	49	42	42	49
49	48	49	43	43	48	43	42	49
48	49	49	45	43	48	42	42	48
48	48	50	44	42	49	43	42	48
48	49	49	43	43	49	43	42	49
48	49	50	45	43	48	43	42	49
50	49	49	44	43	48	43	43	49
52	53	49	44	44	51	43	42	51
51	50	51	45	45	50	43	42	53
51	50	51	46	46	51	43	42	52
52	50	52	46	46	51	43	43	53
51	50	51	47	46	51	43	42	51
51	51	51	47	46	51	42	43	52
51	50	52	46	46	51	43	43	51
51	50	51	45	46	51	43	42	51
51	50	51	46	46	51	42	42	51
51	50	51	47	46	51	43	42	51
52	50	52	48	46	51	43	43	51
49	51	50	48	47	52	43	43	51
50	50	51	47	46	51	43	42	51
51	51	50	47	46	51	44	43	50
50	51	51	48	46	51	43	44	51
51	51	51	47	46	51	44	43	49
50	51	52	47	46	52	44	43	49
50	51	51	46	46	51	44	43	49
50	50	50	48	46	51	45	44	50
51	50	51	47	46	51	45	43	49
50	49	52	45	45	51	44	43	49
50	50	51	46	45	51	44	43	49
50	50	50	48	46	51	45	44	50
50	50	49	46	46	51	44	44	49
50	51	50	46	46	52	45	43	52
60	61	53	48	48	90	44	44	57
67	71	59	53	56	133	47	48	62
80	83	67	58	64	202	45	48	67
93	97	78	68	80	261	46	49	72
106	111	96	82	105	312	44	51	81
103	106	107		117	316	46	54	84

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
96	29	46	111	103	107	113	101
97	30	3	112	104	106	115	106
98	30	22	110	103	105	116	106
99	30	41	110	103	106	116	107
100	30	59	111	107	111	119	108
101	31	18	113	104	108	121	110
102	31	3[illegible]	113	104	107	121	110
103	31	5[illegible]	112	104	107	119	110
104	32	14	113	103	106	120	109
105	32	32	112	103	106	117	108
106	32	51	112	102	106	118	108
107	33	9	111	103	106	118	108
108	33	28	113	105	108	118	108
109	33	46	113	103	107	118	109
110	34	5	97	96	96	115	106
111	34	24	90	95	94	109	101
112	34	42	86	92	93	105	96
113	35	1	82	87	89	100	92
114	35	19	80	87	89	95	87
115	35	38	80	86	87	92	84
116	35	57	79	84	87	89	82
117	36	15	79	83	87	87	81
118	36	34	79	85	88	88	80
119	36	52	78	85	88	87	79
120	37	11	79	83	87	87	82
121	37	29	78	85	87	86	79
122	37	48	79	85	87	86	78
123	38	7	79	85	88	87	80
124	38	25	79	84	88	87	80
125	38	44	78	85	87	87	79
126	39	2	9[illegible]	93	96	88	79
127	39	21	103	102	106	97	87
128	39	40	106	102	106	108	96
129	39	58	110	103	107	112	101
130	40	17	111	104	107	116	104
131	40	36	112	105	108	118	108
132	40	54	112	104	107	118	108
133	41	13	113	105	108	119	110
134	41	31	113	105	107	119	110
135	41	50	109	103	106	119	110
136	42	9	108	102	106	118	110
137	42	27	108	102	105	116	108
138	42	46	108	103	106	116	107
139	43	4	108	103	106	118	108
140	43	23	107	103	106	116	109
141	43	42	108	103	106	117	109
142	44	0	111	104	107	117	109
143	44	19	111	104	107	119	109
144	44	37	109	104	107	119	111
145	44	56	108	102	106	118	110

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-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL
CSE	CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER
G.4	STG.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL
30	6.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
03	107	113	101	121	316	46	58	88
04	106	115	106	122	317	45	60	92
03	105	116	106	122	315	46	64	95
03	106	116	107	120	317	45	67	98
07	111	119	108	126	326	46	68	99
04	108	121	110	127	323	45	70	101
04	107	121	110	127	323	46	70	102
04	107	119	110	124	320	46	70	102
03	106	120	109	124	320	46	68	104
03	106	117	108	124	321	45	70	106
02	106	118	108	122	319	45	70	106
03	106	118	108	122	320	46	71	105
05	108	118	108	123	322	46	71	106
03	107	118	109	123	321	46	72	107
96	96	115	106	117	306	45	73	107
95	94	109	101	104	293	48	74	107
92	93	105	96	97	284	48	76	107
87	89	100	92	92	277	46	75	106
87	89	95	87	87	271	48	75	106
86	87	92	84	84	269	47	73	107
84	87	89	82	84	266	48	73	106
83	87	87	81	82	266	48	73	106
85	88	88	80	81	266	46	72	105
85	88	87	79	82	266	48	72	105
83	87	87	82	81	267	46	71	104
85	87	86	79	81	268	48	71	105
85	87	86	78	80	268	48	71	104
85	88	87	80	81	267	48	71	104
84	88	87	80	81	268	46	71	103
85	87	87	79	82	267	48	71	103
93	96	88	79	83	285	45	67	104
92	106	97	87	99	310	45	68	106
92	106	108	96	110	318	48	70	106
93	107	112	101	117	320	45	72	107
94	107	116	104	118	322	46	71	108
95	108	118	108	121	323	46	73	108
94	107	118	108	122	322	45	74	107
95	108	119	110	122	323	46	74	110
95	107	119	110	122	323	45	72	110
93	106	119	110	121	319	45	74	110
92	106	118	110	119	317	46	75	110
92	105	116	108	118	317	46	74	110
93	106	116	107	117	317	47	75	111
93	106	118	108	116	318	47	74	111
93	106	116	109	117	317	45	75	112
93	106	117	109	117	317	49	74	112
94	107	117	109	118	320	47	75	113
94	107	119	109	120	322	46	75	113
94	107	119	111	120	317	47	76	112
92	106	118	110	120	316	46	76	112

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	C
146	45	15	108	101	105	117	109	
147	45	33	108	103	105	117	108	
148	45	52	108	102	106	117	108	
149	46	11	108	102	106	117	109	
150	46	29	108	101	105	117	108	
151	46	48	108	103	104	116	107	
152	47	6	107	102	105	116	109	
153	47	25	107	102	106	117	110	
154	47	44	106	100	105	116	108	
155	48	2	107	101	104	115	108	
156	48	21	106	100	103	116	106	
157	48	39	110	103	107	116	107	
158	48	58	111	104	108	117	109	
159	49	17	112	107	111	120	112	
160	49	35	124	128	134	129	116	
161	49	54	131	134	139	140	126	
162	50	13	133	135	138	150	136	
163	50	31	132	132	138	154	140	
164	50	50	122	116	116	155	142	
165	51	8	126	128	132	149	137	
166	51	27	133	135	140	153	139	
167	51	46	136	137	141	161	145	
168	52	4	135	138	141	161	145	
169	52	23	136	137	141	165	152	
170	52	42	136	139	142	165	151	
171	53	0	137	137	142	166	152	
172	53	19	137	141	145	168	155	
173	53	37	138	141	145	170	157	
174	53	56	137	140	144	169	157	
175	54	15	139	141	142	170	158	
176	54	33	137	137	143	167	154	
177	54	52	138	138	145	169	155	
178	55	11	137	139	141	169	156	
179	55	29	137	140	145	167	153	
180	55	48	126	122	124	164	152	
181	56	6	106	104	102	150	141	
182	56	25	96	96	95	129	122	
183	56	44	92	95	95	116	110	
184	57	2	91	96	96	111	104	
185	57	21	92	95	96	106	99	
186	57	40	89	93	95	105	98	
187	57	58	89	93	94	103	97	
188	58	17	89	93	95	102	96	
189	58	35	89	92	94	101	96	
190	58	54	89	93	94	101	96	
191	59	13	89	92	95	101	96	
192	59	31	89	94	95	100	96	
193	59	50	89	93	94	101	97	
194	60	9	88	92	95	101	97	
195	60	27	89	92	95	100		

8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
101	105	117	109	118	316	46	76	113
103	105	117	108	117	315	48	76	113
102	106	117	108	117	315	46	75	113
102	106	117	109	118	315	48	77	113
101	105	117	108	117	315	48	76	113
103	104	116	107	117	315	44	75	113
102	105	116	109	117	315	47	75	113
102	106	117	110	116	315	45	76	113
100	105	116	108	116	313	45	76	113
101	104	115	108	116	313	45	74	112
100	103	116	106	116	313	44	73	113
103	107	116	107	117	316	46	73	113
104	108	117	109	119	320	46	74	112
107	111	120	112	122	328	44	72	113
128	134	129	116	136	407	44	72	113
134	139	140	126	153	444	44	73	117
135	138	150	136	162	443	44	75	120
132	138	154	140	164	440	44	75	119
116	118	155	142	158	392	45	76	119
128	132	149	137	152	404	44	74	118
135	140	153	139	160	445	45	77	121
137	141	161	145	166	454	44	76	122
138	141	161	145	169	459	44	77	124
137	141	165	152	171	456	43	77	126
139	142	165	151	171	456	43	77	126
137	142	166	152	171	457	43	78	126
141	145	168	155	172	457	42	78	128
141	145	170	157	173	456	44	78	128
140	144	169	157	173	455	43	78	128
141	142	170	158	173	453	43	78	129
137	143	167	154	173	454	43	79	128
138	145	169	155	172	452	43	79	129
139	141	169	156	172	452	43	79	129
140	145	167	153	172	453	43	79	129
122	124	164	152	166	408	43	82	127
104	102	150	141	145	353	42	76	125
96	95	129	122	123	315	43	74	122
95	95	116	110	108	298	42	73	119
96	96	111	104	102	290	42	72	117
95	96	106	99	101	287	42	70	115
93	95	105	98	98	283	42	70	114
93	94	103	97	97	283	42	69	113
93	95	102	96	97	284	43	69	112
92	94	101	96	97	281	42	68	111
93	94	101	96	96	278	42	67	109
92	95	101	96	97	279	43	67	108
94	95	100	96	96	279	43	67	108
93	94	101	97	96	281	42	67	106
92	95	101	97	97	279	42	66	107
92	95	100		97	278	43	67	106

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
196	60	46	88	92	93	100	96
197	61	4	88	33	94	100	96
198	61	23	88	91	93	99	94
199	61	42	88	92	92	98	94
200	62	0	88	92	94	99	93
201	62	19	88	92	93	99	93
202	62	38	88	92	93	99	94
203	62	56	89	92	93	99	94
204	63	15	88	92	94	99	94
205	63	33	88	92	92	100	94
206	63	52	87	92	94	98	94
207	64	11	88	92	93	100	93
208	64	29	88	92	93	99	96
209	64	48	87	91	93	99	93
210	65	7	87	91	94	99	94
211	65	25	88	93	92	100	93
212	65	44	88	92	93	98	93
213	66	2	87	92	93	98	93
214	66	21	84	93	91	99	94
215	66	40	84	91	90	98	91
216	66	58	84	91	90	97	90
217	67	17	83	91	89	97	89
218	67	36	83	90	89	96	87
219	67	54	83	89	90	96	88
220	68	13	84	90	89	96	88
221	68	31	84	90	90	95	87
222	68	50	83	90	90	96	88
223	69	9	83	89	90	96	87
224	69	27	83	90	90	95	87
225	69	46	83	89	89	96	87
226	70	5	84	91	89	95	87
227	70	23	92	95	97	96	87
228	70	42	110	115	121	109	96
229	71	0	120	125	129	128	113
230	71	19	123	126	130	139	126
231	71	38	126	126	133	147	133
232	71	56	126	127	131	151	138
233	72	15	126	128	131	150	138
234	72	33	126	128	132	152	140
235	72	52	126	129	131	153	142
236	73	11	126	129	133	155	144
237	73	29	126	128	131	156	141
238	73	48	127	129	133	156	145
239	74	7	127	128	132	157	145
240	74	25	128	128	133	156	145
241	74	44	127	129	133	157	145
242	75	3	126	129	132	156	145
243	75	21	126	129	132	157	146
244	75	40	127	129	132	156	145
245	75	58	126	128	132	155	142

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8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
92	93	100	96	96	280	43	66	106
93	94	100	96	95	279	43	65	105
91	93	99	94	96	280	42	65	105
92	92	98	94	96	279	43	65	106
92	94	99	93	96	279	43	65	104
92	93	99	93	96	280	42	65	104
92	93	99	94	96	278	43	66	103
92	93	99	94	95	279	42	65	104
92	94	99	94	96	278	42	66	103
92	92	100	94	96	278	44	65	104
92	94	98	94	96	279	43	65	102
92	93	100	93	96	279	43	65	103
92	93	99	96	96	279	43	64	102
91	93	99	93	96	278	42	65	102
91	94	99	94	96	278	44	65	103
93	92	100	93	96	277	42	64	102
92	93	98	93	96	279	42	64	103
92	93	98	93	96	278	42	65	103
93	91	99	94	93	277	44	66	103
91	90	98	91	92	276	42	64	102
91	90	97	90	92	274	41	63	102
91	89	97	89	90	273	42	64	102
90	89	96	87	90	272	41	64	102
89	90	96	88	90	271	41	64	101
90	89	96	88	89	272	41	64	101
90	90	95	87	89	272	42	63	101
90	90	96	88	90	272	41	63	101
89	90	96	87	90	272	41	63	100
90	90	95	87	89	271	42	64	101
89	89	96	87	90	272	40	63	101
91	89	95	87	90	274	41	63	100
95	97	96	87	92	290	43	67	101
115	121	109	96	111	355	42	65	104
125	129	128	113	133	391	42	67	107
126	130	139	126	147	403	42	68	109
126	133	147	133	153	404	42	69	111
127	131	151	138	155	407	42	70	111
128	131	150	138	155	405	41	70	113
128	132	152	140	157	405	42	71	114
129	131	153	142	156	406	41	72	116
129	133	155	144	157	406	42	71	116
128	131	156	141	159	407	41	71	117
129	133	156	145	159	406	41	72	117
128	132	157	145	158	406	42	72	117
128	133	156	145	158	404	43	73	118
129	133	157	145	159	404	41	73	118
129	132	156	145	160	404	42	73	117
129	132	157	146	158	404	41	73	119
129	132	156	145	158	406	42	74	120
128	132	155	142	158	404	41	74	120

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-2 ENG. COMP CS STG. 6. DEG.
246	76	17	126	128	132	155	141	15
247	76	36	127	129	132	156	143	15
248	76	54	126	128	132	155	141	15
249	77	13	126	129	132	155	143	15
250	77	32	128	129	133	156	145	15
251	77	50	128	128	131	158	145	15
252	78	9	127	129	132	157	144	15
253	78	27	127	130	133	157	145	15
254	78	46	128	129	133	159	146	15
255	79	5	128	127	132	157	145	15
256	79	23	126	128	132	158	145	15
257	79	42	128	129	133	158	145	15
258	80	1	126	129	133	158	147	15
259	80	19	127	129	132	160	145	15
260	80	38	127	129	133	158	145	15
261	80	57	128	129	134	159	145	15
262	81	15	126	129	131	156	144	15
263	81	34	127	129	132	157	144	15
264	81	49	127	128	132	157	143	15
265	82	11	127	129	132	156	142	15
266	82	30	127	129	133	158	145	15
267	82	48	127	128	132	157	145	15
268	83	7	127	129	132	157	144	15
269	83	26	123	118	121	156	142	15
270	83	44	116	107	108	144	132	14
271	84	3	113	105	108	134	123	13
272	84	22	120	122	126	135	125	13
273	84	40	126	128	131	141	127	14
274	84	59	127	129	133	146	131	15
275	85	18	124	126	129	151	136	15
276	85	36	123	123	127	150	135	15
277	85	55	122	124	126	148	136	15
278	86	13	122	123	126	145	132	15
279	86	32	122	123	126	147	132	15
280	86	51	122	123	127	147	132	15
281	87	9	121	123	127	147	134	15
282	87	28	121	123	125	147	134	15
283	87	47	121	122	123	144	131	15
284	88	5	120	121	123	143	130	15
285	88	24	120	120	124	143	130	14
286	88	43	120	121	124	145	133	15
287	89	1	117	116	119	145	131	14
288	89	20	118	118	120	142	129	14
289	89	39	118	118	121	141	129	14
290	89	57	117	119	122	142	129	14
291	90	16	118	118	122	141	129	15
292	90	35	118	119	123	143	130	14
293	90	53	117	120	122	143	129	14
294	91	12	117	120	122	142	128	14
295	91	31	117	119	121	139	?	14

1293

8-16 ENG.2 MPRS CSE TG.4 4.30 EG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
128	132	155	141	159	406	42	74	120
129	132	156	143	157	405	42	74	121
128	132	155	141	157	404	41	73	120
129	132	155	143	157	404	41	74	120
129	133	156	145	157	406	42	74	121
128	131	158	145	158	405	42	74	121
129	132	157	144	159	407	42	75	121
130	133	157	145	159	405	42	74	121
129	133	159	146	158	405	41	74	121
127	132	157	145	158	406	42	74	121
128	132	158	145	157	406	41	74	121
129	133	158	145	159	405	41	75	122
129	133	158	147	157	406	41	74	121
129	132	160	145	158	406	42	74	121
129	133	158	145	158	407	42	74	121
129	134	159	145	158	407	41	75	122
129	131	156	144	158	407	42	74	121
129	132	157	144	157	405	42	73	122
128	132	157	143	157	406	41	74	122
129	132	156	142	158	405	41	75	122
129	133	158	145	158	407	42	75	121
128	132	157	145	156	406	41	75	122
129	132	157	144	157	405	42	75	122
118	121	156	142	157	385	43	78	121
107	108	144	132	145	347	42	77	119
105	108	134	123	133	332	42	74	119
122	126	135	125	137	374	41	73	119
128	131	141	127	148	412	43	74	120
129	133	146	131	154	422	42	73	121
126	129	151	136	157	401	43	74	119
123	127	150	135	154	385	42	74	121
124	126	148	136	153	379	42	73	119
123	126	145	132	151	377	43	73	119
123	126	147	132	153	378	43	73	119
123	127	147	132	152	375	43	74	119
123	127	147	134	150	373	43	74	120
123	125	147	134	151	368	43	74	118
122	123	144	131	150	367	42	74	118
121	123	143	130	150	368	42	73	117
120	124	143	130	149	365	42	73	118
121	124	145	133	150	364	42	73	117
116	119	145	131	148	358	42	73	118
118	120	142	129	145	356	42	72	117
118	121	141	129	145	361	42	72	117
119	122	142	129	145	361	42	72	116
118	122	141	129	145	361	42	73	117
119	123	143	130	145	360	42	73	116
120	122	143	129	145	362	42	72	117
120	122	142	128	145	364	42	72	116
119	121	139	?	145	363	42	72	117

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	E CO S D
296	91	49	118	119	121	139	127	
297	92	8	117	120	123	141	128	
298	92	27	110	105	108	136	125	
299	92	45	107	104	106	129	117	
300	93	4	110	102	106	123	113	
301	93	23	111	101	105	121	111	
302	93	41	91	89	90	116	109	
303	94	0	81	84	82	106	101	
304	94	18	76	81	80	98	93	
305	94	37	73	78	78	92	88	
306	94	56	65	72	69	87	84	
307	95	14	63	69	69	82	79	
308	95	33	63	68	69	79	75	
309	95	52	63	68	69	79	72	
310	96	10	63	69	70	77	71	
311	96	29	63	69	70	77	70	
312	96	48	63	69	70	76	69	
313	97	6	63	69	70	77	69	
314	*	*	*	*	*	*	*	

1294

8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
119	121	139	127	145	365	43	73	117
120	123	141	128	145	364	42	72	116
105	108	136	125	139	340	43	75	116
104	106	129	117	129	325	42	73	114
102	106	123	113	126	321	43	75	115
101	105	121	111	123	319	42	74	114
89	90	116	109	114	302	45	81	112
84	82	106	101	99	287	45	84	112
81	80	98	93	89	275	45	84	111
78	78	92	88	83	273	46	87	111
72	69	87	84	77	279	50	94	110
69	69	82	79	72	284	55	91	108
68	69	79	75	68	283	56	83	107
68	69	79	72	67	282	63	79	106
69	70	77	71	67	279	58	78	105
69	70	77	70	66	276	55	77	103
69	70	76	69	67	273	53	77	104
69	70	77	69	66	271	52	78	103
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
7 JULY 1970
RUN NO. 24 +103 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
1	16	58	48	48	48
2	0	37	48	48	48
3	0	55	48	49	49
4	1	14	48	48	48
5	1	33	48	48	48
6	1	51	48	48	48
7	2	10	48	48	48
8	2	28	48	48	48
9	2	47	48	49	48
10	3	5	48	48	48
11	3	24	48	48	49
12	3	43	48	48	48
13	4	1	48	48	48
14	4	20	48	49	48
15	4	38	48	49	48
16	4	57	48	48	48
17	5	16	48	48	48
18	5	34	49	49	48
19	5	53	48	48	48
20	6	11	48	48	48
21	6	30	48	48	48
22	6	49	48	48	49
23	7	7	48	48	48
24	7	26	48	49	48
25	7	44	48	48	48
26	8	3	48	48	48
27	8	22	49	48	48
28	8	40	48	49	48
29	8	59	49	48	48
30	9	17	48	48	48
31	9	36	48	48	48
32	9	55	48	48	48
33	10	13	48	48	48
34	10	32	49	48	48
35	10	50	48	48	48
36	11	9	48	48	48
37	11	28	48	48	48
38	11	46	48	48	48
39	12	5	49	48	48
40	12	23	48	48	48
41	12	42	48	49	48
42	13	1	48	48	48
43	13	19	48	48	48
44	13	38	48	48	48
45	13	56	48	48	48

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
46	14	15	48	48	49
47	14	34	48	48	48
48	14	52	48	48	48
49	15	11	49	48	48
50	15	29	48	48	48
51	15	48	48	49	48
52	16	7	49	48	48
53	16	25	49	48	49
54	16	44	48	48	48
55	17	2	48	49	48
56	17	21	48	48	48
57	17	40	48	49	48
58	17	58	48	48	48
59	18	17	48	48	49
60	18	35	48	48	48
61	18	54	48	48	48
62	19	13	48	48	48
63	19	31	48	49	48
64	19	50	48	49	48
65	20	8	49	50	48
66	20	27	49	52	48
67	20	46	48	51	48
68	21	4	50	50	49
69	21	23	50	50	48
70	21	41	50	51	48
71	22	0	51	51	48
72	22	19	52	51	48
73	22	37	50	50	48
74	22	56	52	51	48
75	23	14	51	50	49
76	23	33	51	51	48
77	23	52	51	50	48
78	24	10	51	51	48
79	24	29	52	49	49
80	24	47	50	50	49
81	25	6	51	50	48
82	25	24	51	50	48
83	25	43	51	50	49
84	26	2	51	50	49
85	26	20	51	49	49
86	26	39	51	49	48
87	26	57	50	50	49
88	27	16	50	50	49
89	27	35	50	51	49
90	27	53	56	54	49
91	28	12	83	58	51
92	28	30	118	61	53
93	28	49	156	66	57
94	29	8	196	71	63
95	29	26	229	74	68

1296

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
96	29	45	257	77	75
97	30	3	278	79	82
98	30	22	293	81	88
99	30	41	306	80	95
100	30	59	318	82	100
101	31	18	325	83	106
102	31	36	330	84	111
103	31	55	335	85	115
104	32	14	338	84	119
105	32	32	340	87	123
106	32	51	341	85	128
107	33	9	342	86	130
108	33	28	344	88	134
109	33	46	344	87	137
110	34	5	346	87	138
111	34	24	348	88	140
112	34	42	350	89	141
113	35	1	354	88	142
114	35	19	357	88	141
115	35	38	360	87	142
116	35	57	363	88	142
117	36	15	365	87	142
118	36	34	367	86	142
119	36	52	368	87	142
120	37	11	371	87	142
121	37	29	371	86	142
122	37	48	371	86	142
123	38	7	373	86	142
124	38	25	374	84	142
125	38	44	376	86	141
126	39	2	373	83	141
127	39	21	369	83	142
128	39	40	366	87	144
129	39	58	362	87	144
130	40	17	360	87	145
131	40	36	359	88	147
132	40	54	355	89	149
133	41	13	355	90	150
134	41	31	355	89	152
135	41	50	354	89	153
136	42	9	352	89	155
137	42	27	351	90	155
138	42	46	350	90	157
139	43	4	350	91	158
140	43	23	350	91	159
141	43	42	350	92	160
142	44	0	350	92	161
143	44	19	350	92	160
144	44	37	350	92	161
145	44	56	348	93	160

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
146	45	15	348	91	162
147	45	33	347	92	163
148	45	52	346	92	163
149	46	11	346	92	164
150	46	29	346	93	164
151	46	48	346	91	163
152	47	6	344	93	164
153	47	25	346	92	165
154	47	44	344	91	165
155	48	2	344	90	163
156	48	21	345	89	165
157	48	39	343	90	163
158	48	58	342	90	162
159	49	17	344	90	162
160	49	35	364	91	161
161	49	54	400	92	164
162	50	13	437	95	168
163	50	31	457	96	171
164	50	50	455	95	175
165	51	8	444	95	175
166	51	27	452	97	178
167	51	46	469	97	180
168	52	4	484	98	184
169	52	23	493	98	188
170	52	42	501	99	189
171	53	0	505	99	193
172	53	19	507	100	195
173	53	37	505	100	199
174	53	56	504	101	201
175	54	15	503	101	203
176	54	33	501	101	205
177	54	52	501	101	207
178	55	11	500	101	209
179	55	29	499	101	210
180	55	48	489	100	211
181	56	6	464	96	209
182	56	25	436	94	205
183	56	44	411	92	201
184	57	2	392	90	197
185	57	21	377	90	194
186	57	40	366	89	190
187	57	58	358	87	186
188	58	17	351	86	182
189	58	35	346	86	179
190	58	54	343	85	174
191	59	13	339	85	172
192	59	31	336	84	169
193	59	50	335	83	166
194	60	9	334	84	164
195	60	27	332	83	161

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
196	60	46	330	82	160
197	61	4	330	83	158
198	61	23	329	82	155
199	61	42	328	83	154
200	62	0	327	82	152
201	62	19	325	82	151
202	62	38	325	82	149
203	62	56	327	81	147
204	63	15	326	82	146
205	63	33	325	81	145
206	63	52	324	81	145
207	64	11	325	81	143
208	64	29	323	82	142
209	64	48	324	82	142
210	65	7	323	81	141
211	65	25	325	81	140
212	65	44	323	80	140
213	66	2	324	81	139
214	66	21	326	82	139
215	66	40	324	81	138
216	66	58	326	80	137
217	67	17	326	80	138
218	67	36	327	81	137
219	67	54	329	80	137
220	68	13	328	80	136
221	68	31	327	80	136
222	68	50	327	80	135
223	69	9	328	80	134
224	69	27	327	80	134
225	69	46	328	80	134
226	70	5	327	79	134
227	70	23	329	83	134
228	70	42	341	83	135
229	71	0	364	84	138
230	71	19	385	87	140
231	71	38	405	89	145
232	71	56	416	90	148
233	72	15	423	90	150
234	72	33	430	91	154
235	72	52	436	92	157
236	73	11	439	92	160
237	73	29	440	93	163
238	73	48	442	92	165
239	74	7	442	92	168
240	74	25	445	93	170
241	74	44	441	94	171
242	75	3	441	94	174
243	75	21	441	94	175
244	75	40	441	95	176
245	75	58	439	94	178

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
246	76	17	439	94	179
247	76	36	440	95	179
248	76	54	438	95	180
249	77	13	439	94	180
250	77	32	438	95	182
251	77	50	440	95	182
252	78	9	441	95	183
253	78	27	440	96	184
254	78	46	439	95	185
255	79	5	438	95	185
256	79	23	440	95	186
257	79	42	440	95	185
258	80	1	439	96	185
259	80	19	441	95	187
260	80	38	440	95	187
261	80	57	441	95	188
262	81	15	440	96	187
263	81	34	441	95	187
264	81	49	440	96	188
265	82	11	440	96	188
266	82	30	439	96	189
267	82	48	439	95	188
268	83	7	439	96	187
269	83	26	436	95	190
270	83	44	420	95	189
271	84	3	401	94	188
272	84	22	395	94	186
273	84	40	408	96	187
274	84	59	423	95	187
275	85	18	432	95	188
276	85	36	429	93	187
277	85	55	423	94	187
278	86	13	417	94	185
279	86	32	414	93	184
280	86	51	411	93	185
281	87	9	411	94	184
282	87	28	408	94	184
283	87	47	404	94	184
284	88	5	402	94	182
285	88	24	401	93	182
286	88	43	401	93	181
287	89	1	397	93	180
288	89	20	392	92	179
289	89	39	391	93	178
290	89	57	392	92	178
291	90	16	393	93	177
292	90	35	393	94	177
293	90	53	393	92	177
294	91	12	393	92	176
295	91	31	392	92	175

1300

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
296	91	49	394	91	175
297	92	8	394	92	174
298	92	27	389	92	176
299	92	45	380	91	174
300	93	4	371	92	174
301	93	23	362	91	173
302	93	41	359	95	173
303	94	0	361	96	172
304	94	18	365	96	169
305	94	37	370	97	169
306	94	56	370	104	169
307	95	14	360	105	170
308	95	33	350	102	169
309	95	52	341	103	170
310	96	10	331	103	169
311	96	29	323	100	168
312	96	48	317	99	169
313	97	6	310	99	169
314	*	*	*	*	*

1301

RUN 25A, 125°F Engine Oil Test, 8 July 1970
Engine No. 1 Pump (S/N 597) at Nominal Setting of 6.05 gpm (low)
Engine No. 2 Pump (S/N 595) at Nominal Setting of 6.00 gpm (low)
Soak time N/A

RUN 25A +125°F 8 JULY 70

Test Synopsis:

This run was chosen to present 125°F engine oil test data. The calibrated oil pumps were set at the low oil flow setting.

Pertinent information.

Engine No. 1 had -13 fuel control and no EAPS.

Engine No. 2 had -12 fuel control, EAPS, and armor plating installed.

Test parameters not connected or not presented.

1-4-Free air temperature (not connected).

2-18-Main wheel brake return hydraulic pressure (not connected).

2-19 through 2-26-Heater output airflow differential pressure (not presented).

3-1 through 3-28 (all parameters on switch box position 3)-Heater duct and aircraft compartment temperatures (not presented).

Defective test parameters not presented (unless indicated otherwise).

4-13-Second stage hydraulic system pump outlet temperatures.

7-12-Engine No. 1 compressor case temperature, 3rd stage, 3 o'clock position.

7-19-Engine No. 1 compressor case temperature, 5th stage, 3 o'clock position.

7-20-Engine No. 1 compressor case temperature, 5th stage, 4:30 o'clock position.

8-18-Engine No. 2 compressor case temperature, 5th stage, 9 o'clock position.

Event Sheet:

CTR	Event
49	Engine No. 1 - start
54	Rotor brake - OFF
57	Engine No. 1 throttle - forward
	NOTE: APP EGT 670°C while starting engine No. 1.
60	APP - OFF
64	Engine No. 2 - start
71-108	Operate both engines at flight idle and allow temperatures to stabilize
106	APP - start
111	Engines and APP - shutdown to check engine No. 1 low oil level light
117	APP - start
139	Rotor brake - OFF

CTR	Event
140	Engine No. 1 - start
145	Eng No. 1 throttle - forward
148	Engine No. 1 - power reduced to clear test chamber
157	Engine No. 1 throttle - forward
159	APP - OFF
162	Engine No. 2 - start
166	Engine No. 2 throttle - set at 100-percent N_f
171-207	Operate both engines at 50-percent torque and allow temperatures to stabilize
215-217	Set both engines at 80-percent torque
222-234	Operate engine No. 1 at 80-percent and allow temperatures to stabilize
242	Terminate test because of rotor head vibration

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	P
49	14	20	0	2	*	1	99	
50	14	38	33	22	*	1	111	
51	14	57	61	47	*	1	505	
52	15	15	62	44	*	1	541	
53	15	34	63	44	*	0	549	
54	15	52	63	44	*	1	552	
55	16	11	63	44	7	20	565	
56	16	29	63	44	5	29	588	
57	16	48	64	44	5	32	603	
58	17	7	77	75	21	37	638	
59	17	25	88	106	23	89	555	
60	17	44	90	128	29	*	579	
61	18	2	90	126	29	102	569	
62	18	21	90	126	29	*	566	
63	18	39	89	125	29	103	565	
64	18	58	90	124	29	*	560	
65	19	17	91	128	31	103	566	
66	19	35	90	124	29	103	563	
67	19	54	90	125	30	103	561	
68	20	12	90	125	29	102	563	
69	20	31	90	125	30	103	549	
70	20	49	86	90	14	100	505	
71	21	8	86	93	15	101	502	
72	21	27	86	92	15	101	497	
73	21	45	86	93	16	102	495	
74	22	4	86	93	15	102	495	
75	22	22	87	93	15	102	494	
76	22	41	86	93	15	100	494	
77	22	59	86	93	15	101	495	
78	23	18	86	94	15	101	493	
79	23	36	87	93	16	102	490	
80	23	55	86	94	15	102	490	
81	24	14	86	93	16	101	489	
82	24	32	86	94	16	101	488	
83	24	51	86	94	16	101	486	
84	25	9	86	94	16	102	489	
85	25	28	86	94	16	101	485	
86	25	46	86	95	16	101	485	
87	26	5	86	94	16	101	486	
88	26	23	86	94	16	102	486	
89	26	42	86	94	16	101	485	
90	27	1	87	94	16	101	486	
91	27	19	85	95	16	101	485	
92	27	38	86	94	16	102	485	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

1-06 ENG.1 FUEL FLOW LB/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
2	*	1	99	0	*	*	1	102
22	*	1	111	1	*	*	2	102
47	*	1	505	1	*	*	1	102
44	*	1	541	1	*	*	1	101
44	*	0	549	0	*	*	1	103
44	*	1	552	1	*	*	2	99
44	7	20	565	1	*	*	1	102
44	5	29	588	1	*	*	1	101
44	5	32	603	0	*	*	2	101
75	21	37	638	1	*	*	1	102
106	23	39	555	1	*	*	1	104
128	29	*	579	1	*	*	1	101
126	29	102	569	1	*	*	1	102
126	29	*	566	1	*	*	1	102
125	29	103	565	1	*	*	1	98
124	29	*	560	1	*	*	1	98
128	31	103	566	35	24	0	15	107
124	29	103	563	64	49	0	62	506
125	30	103	561	67	46	0	66	564
125	29	102	563	80	66	0	94	579
125	30	103	549	82	67	0	102	497
90	14	100	505	91	101	15	103	534
93	15	101	502	87	97	14	102	509
92	15	101	497	88	96	15	101	509
93	16	102	495	88	96	15	102	509
93	15	102	495	90	95	15	101	506
93	15	102	494	88	95	14	101	500
93	15	100	494	88	95	15	102	501
93	15	101	495	*	95	14	102	504
94	15	101	493	88	95	14	102	500
93	16	102	490	87	95	14	102	534
94	15	102	490	87	95	14	102	496
93	16	101	489	87	94	14	102	494
94	16	101	488	88	94	14	102	494
94	16	101	486	88	94	14	102	494
94	16	102	489	88	94	14	102	491
94	16	101	485	87	93	14	102	487
95	16	101	485	87	93	14	102	490
94	16	101	486	87	94	14	102	489
94	16	102	486	87	95	14	102	490
94	16	101	485	87	94	14	102	491
94	16	101	486	87	94	14	102	489
95	16	101	485	88	94	14	102	487
94	16	102	485	88	94	14	102	487
94	15	101	485	87	94	14	102	487

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
94	28	15	85	94	16	102	485
95	28	33	86	95	16	102	485
96	28	52	86	94	16	101	483
97	29	10	86	94	16	102	483
98	29	29	87	93	16	102	481
99	29	48	91	94	16	102	481
100	30	6	85	93	15	102	480
101	30	25	86	93	16	102	483
102	30	43	91	93	16	102	479
103	31	2	91	94	15	101	480
104	31	20	85	90	14	101	472
105	31	39	85	91	15	101	479
106	31	57	85	92	15	101	476
107	32	16	85	92	15	100	477
108	32	34	85	92	15	102	477
109	32	53	84	89	13	100	480
110	33	12	65	42	1	65	479
111	33	30	64	42	3	59	524
112	33	49	*	*	*	*	*
113	33	49	1	4	*	2	259
114	33	52	1	3	*	1	219
115	34	11	0	3	*	1	217
116	34	30	0	3	*	1	216
117	34	48	0	2	*	1	213
118	35	7	0	2	*	1	213
119	35	25	0	2	*	1	211
120	35	44	0	2	*	1	212
121	36	3	0	2	*	1	209
122	36	21	0	3	*	1	209
123	36	40	0	2	*	1	207
124	36	59	0	2	*	1	207
125	37	17	0	3	*	1	207
126	37	36	1	2	*	1	207
127	37	54	0	2	*	1	204
128	38	13	0	2	*	1	203
129	38	32	0	3	*	1	200
130	38	50	0	2	*	1	202
131	39	9	0	2	*	1	202
132	39	27	0	2	*	1	202
133	39	46	0	2	*	1	199
134	40	4	0	2	*	1	198
135	40	23	0	2	*	0	198
136	40	42	1	3	*	1	198
137	41	0	0	2	*	1	197
138	41	19	1	3	*	1	197
139	41	37	0	3	*	1	197
140	41	56	0	2	*	1	193
141	42	15	30	17	*	0	193
142	42	33	62	48	8	15	533

1-06 G.1 UEL LOW /HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
94	16	102	485	88	94	14	102	487
95	16	102	485	87	95	14	102	486
94	16	101	483	87	95	14	102	489
94	16	102	483	87	95	14	101	489
93	16	102	481	87	95	14	102	484
94	16	102	481	88	95	14	102	487
93	15	102	480	88	95	14	102	485
93	16	102	483	88	95	14	102	484
93	16	102	479	87	95	14	102	484
94	15	101	480	87	95	14	102	486
90	14	101	472	88	95	14	102	486
91	15	101	479	88	94	14	101	485
92	15	101	476	87	94	14	102	484
92	15	100	477	87	94	14	102	484
92	15	102	477	87	94	14	103	484
89	13	100	480	86	90	12	104	484
42	1	65	479	69	44	*	74	465
42	3	59	524	68	45	1	56	512
*	*	*	*	*	*	*	*	*
4	*	2	259	2	*	*	3	264
3	*	1	219	1	*	*	3	235
3	*	1	217	1	*	*	2	230
3	*	1	216	1	*	*	1	227
2	*	1	213	1	*	*	2	230
2	*	1	213	1	*	*	2	226
2	*	1	211	1	*	*	2	225
2	*	1	212	1	*	*	2	224
2	*	1	209	1	*	*	2	221
3	*	1	209	1	*	*	2	222
2	*	1	207	1	*	*	1	221
2	*	1	207	1	*	*	1	221
3	*	1	207	1	*	*	2	222
2	*	1	207	1	*	*	2	222
2	*	1	204	1	*	*	2	221
2	*	1	203	1	*	*	2	222
3	*	1	200	1	*	*	1	221
2	*	1	202	1	*	*	1	221
2	*	1	202	1	*	*	2	222
2	*	1	202	1	*	*	1	221
2	*	1	199	1	*	*	1	220
2	*	1	198	0	*	*	2	220
2	*	0	198	1	*	*	2	219
3	*	1	198	1	*	*	2	217
2	*	1	197	1	*	*	1	216
2	*	1	197	0	*	*	1	215
3	*	1	197	1	*	*	2	214
2	*	1	193	1	*	*	1	215
17	*	0	193	1	*	*	1	212
40	8	15	533	1	*	*	1	211
44	6	27	55	1	*	*	1	211

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
144	43	10	65	45	5	33	573
145	43	29	64	44	5	34	578
146	43	48	86	103	37	56	535
147	44	6	88	110	26	88	527
148	44	25	64	42	2	60	519
149	44	43	79	43	4	46	549
150	45	2	64	44	5	41	555
151	45	20	64	44	4	40	558
152	45	39	64	44	5	39	558
153	45	58	64	44	5	39	555
154	46	16	79	44	5	39	555
155	46	35	64	44	5	38	556
156	46	53	64	44	5	38	556
157	47	12	90	142	47	84	552
158	47	31	89	130	31	103	546
159	47	49	88	126	30	102	540
160	48	8	88	125	30	105	537
161	48	26	88	125	29	104	533
162	48	45	88	125	30	103	533
163	49	3	88	129	32	103	536
164	49	22	96	128	31	102	538
165	49	41	88	125	30	103	533
166	49	59	89	125	30	103	531
167	50	18	88	125	30	103	531
168	50	36	44	86	13	102	479
169	50	55	85	91	15	100	475
170	51	13	85	90	15	*	472
171	51	32	84	90	14	100	474
172	51	51	91	157	47	102	575
173	52	9	92	160	50	*	588
174	52	28	91	160	49	101	592
175	52	46	90	155	47	100	588
176	53	5	91	159	50	100	588
177	53	23	91	160	50	100	591
178	53	42	91	159	49	101	591
179	54	0	91	161	50	100	593
180	54	19	96	160	50	101	592
181	54	38	92	160	50	100	592
182	54	56	91	162	51	102	592
183	55	15	91	160	50	102	592
184	55	33	91	160	50	102	589
185	55	52	91	158	49	102	591
186	56	10	91	157	48	100	585
187	56	29	91	160	50	100	589
188	56	47	91	160	50	100	589
189	57	6	92	160	50	101	588
190	57	25	92	159	49	100	587
191	57	43	92	162	51	100	587
192	58	2	91	162	51	100	589

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1-06 G.1 UEL LOW /HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
45	5	33	573	1	*	*	1	210
44	5	34	578	1	*	*	2	210
43	37	56	535	0	*	*	2	207
40	26	88	527	1	*	*	1	207
42	2	60	519	0	*	*	2	206
43	4	46	549	1	*	*	1	205
44	5	41	555	0	*	*	1	204
44	4	40	558	1	*	*	1	206
44	5	39	558	1	*	*	1	204
44	5	39	555	1	*	*	1	207
44	5	39	555	1	*	*	1	204
44	5	38	556	1	*	*	1	204
44	5	38	556	1	*	*	2	210
42	47	84	552	0	*	*	1	204
30	31	103	546	1	*	*	1	202
26	30	102	540	0	*	*	1	199
25	30	105	537	1	*	*	1	197
25	29	104	533	1	*	*	2	197
25	30	103	533	0	*	*	1	194
29	32	103	536	13	*	*	2	190
28	31	102	538	57	45	*	44	364
25	30	103	533	67	45	*	65	519
25	30	103	531	82	65	*	96	512
25	30	103	531	81	65	*	102	462
06	13	102	479	86	92	12	102	476
31	15	100	475	86	94	13	102	478
30	15	*	472	86	93	13	102	486
30	14	100	474	86	95	14	102	486
37	47	102	575	92	161	47	102	578
40	50	*	588	93	162	48	102	589
40	49	101	592	92	161	48	102	593
38	47	100	588	93	165	50	102	593
39	50	100	588	93	162	48	102	595
40	50	100	591	93	162	48	102	594
39	49	101	591	*	161	48	103	594
41	50	100	593	93	162	48	102	594
40	50	101	592	96	165	51	104	609
40	50	100	592	96	165	51	101	600
42	51	102	592	94	165	50	104	596
40	50	102	592	93	163	49	102	596
40	50	102	589	94	165	50	102	598
38	49	102	591	94	163	50	104	595
37	48	100	585	95	163	49	102	595
40	50	106	589	93	164	49	103	599
40	50	100	589	93	162	49	102	598
39	50	101	588	93	162	49	102	609
39	49	100	587	93	163	49	102	591
42	51	100	587	92	163	50	102	593
42	51	100	589	94	167	52	103	593
39	50	101	585	93	165	49	102	594

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1- ENG R (N PERC
194	58	39	91	159	50	102	583	9
195	58	57	91	160	50	101	584	9
196	59	16	91	161	51	101	584	9
197	59	34	90	157	49	100	582	9
198	59	53	89	160	50	100	588	9
199	60	12	91	158	49	100	582	9
200	60	30	91	158	49	100	582	9
201	60	49	91	161	50	*	585	9
202	61	7	91	160	51	100	585	9
203	61	26	91	160	50	101	584	9
204	61	44	92	162	52	100	583	9
205	62	3	91	159	50	*	582	9
206	62	21	91	159	49	98	583	9
207	62	40	90	158	49	100	580	9
208	62	58	83	85	16	101	472	9
209	63	17	84	89	11	101	474	8
210	63	36	83	82	10	101	461	9
211	63	54	85	96	17	101	474	8
212	64	13	86	93	16	101	474	8
213	64	31	84	88	14	100	467	8
214	64	50	88	123	34	101	509	9
215	65	8	96	219	81	100	660	9
216	65	27	92	216	78	97	672	9
217	65	45	95	213	77	100	668	9
218	66	4	84	83	11	101	484	8
219	66	23	84	84	12	101	469	8
220	66	41	84	84	12	101	463	8
221	67	0	88	124	31	102	511	8
222	67	18	95	218	80	100	662	8
223	67	37	95	214	78	100	668	8
224	67	55	97	217	79	102	674	8
225	68	14	94	217	79	99	671	8
226	68	32	95	213	78	101	669	8
227	68	51	95	214	78	100	668	8
228	69	10	96	220	81	100	674	8
229	69	28	96	219	81	100	673	8
230	69	47	96	220	81	100	674	8
231	70	5	96	219	80	102	674	8
232	70	24	95	214	76	100	671	8
233	70	42	96	217	80	100	671	8
234	71	1	95	216	79	100	672	8
235	71	20	88	130	26	103	577	8
236	71	38	88	113	25	102	512	8
237	71	57	88	113	26	102	514	8
238	72	15	88	115	26	*	516	8
239	72	34	88	114	26	102	521	6
240	72	52	88	115	26	104	521	5
241	73	11	66	42	1	68	480	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

1307

1-06 ENG.1 FUEL FLOW /HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
159	50	102	583	93	164	50	103	589
160	50	101	584	93	162	49	102	609
161	51	101	584	93	162	49	103	609
157	49	100	582	94	164	50	102	586
160	50	100	588	93	162	48	103	589
158	49	100	582	94	165	50	103	590
158	49	100	582	93	163	49	102	590
161	50	*	585	93	162	48	103	589
160	51	100	585	93	162	48	103	588
160	50	101	584	93	161	48	104	594
162	52	100	583	94	168	52	102	590
159	50	*	582	93	165	50	102	589
159	49	98	583	93	162	49	102	585
158	49	100	586	93	164	49	102	674
89	16	101	472	91	98	18	102	487
89	11	101	474	87	99	12	103	487
92	10	101	481	91	94	14	102	480
96	17	101	474	88	104	18	102	490
93	16	101	474	89	107	19	103	496
92	14	100	467	87	97	16	103	487
123	34	101	509	90	128	35	102	515
149	81	100	650	97	213	76	101	649
146	78	97	672	98	220	78	102	673
143	77	100	668	98	224	81	101	676
93	11	101	484	86	94	14	104	504
94	12	101	469	87	93	13	104	482
94	12	101	463	87	93	13	102	476
124	31	102	511	80	62	*	102	451
118	80	100	662	82	63	*	102	451
114	78	100	668	81	62	*	102	448
117	79	102	674	82	62	*	102	447
117	79	99	671	82	64	*	102	447
113	78	101	669	81	63	*	101	450
114	78	100	668	86	63	*	101	448
120	81	100	674	80	64	*	101	458
119	81	100	673	82	64	*	101	447
120	81	100	674	82	64	*	101	448
119	80	102	674	82	64	*	101	448
114	78	100	671	82	64	*	101	447
117	80	100	671	81	64	*	102	448
116	79	100	672	82	64	*	101	447
130	26	103	577	80	61	*	99	446
113	25	102	512	80	61	*	98	458
113	26	102	514	80	62	*	98	455
115	26	*	516	80	62	*	98	484
114	26	102	521	68	44	*	68	497
115	26	104	521	55	22	*	56	506
42	1	68	480	14	*	*	15	328
39	2	51	524	6	*	1	10	253
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
49	14	20	1	*	*	2	1
50	14	38	1	21	*	12	7
51	14	57	1	21	*	29	14
52	15	16	1	21	*	28	15
53	15	34	1	21	*	26	14
54	15	52	1	21	*	26	15
55	16	11	21	21	*	27	13
56	16	29	30	21	*	27	14
57	16	48	33	21	*	27	14
58	17	7	42	38	*	47	20
59	17	25	89	70	*	53	21
60	17	44	103	99	*	53	22
61	18	2	103	98	*	53	21
62	18	21	103	98	*	52	20
63	18	39	104	99	*	52	21
64	18	58	103	99	*	53	22
65	19	17	103	99	20	51	22
66	19	35	*	98	20	52	23
67	19	54	103	99	20	52	20
68	20	12	*	99	60	52	19
69	20	31	104	96	76	51	26
70	20	49	102	86	83	48	21
71	21	8	98	86	83	48	21
72	21	27	98	86	83	46	20
73	21	45	102	86	83	46	17
74	22	4	102	86	83	47	20
75	22	22	102	86	83	48	20
76	22	41	98	86	83	48	19
77	22	59	102	86	83	49	19
78	23	18	101	86	83	46	19
79	23	36	102	86	83	47	21
80	23	55	103	86	83	46	18
81	24	14	102	86	83	46	19
82	24	32	104	86	83	47	19
83	24	51	102	86	83	47	20
84	25	9	102	86	83	48	20
85	25	28	102	86	83	47	19
86	25	46	102	86	83	47	21
87	26	5	102	86	83	47	20
88	26	23	102	86	82	48	21
89	26	42	103	86	83	50	22
90	27	1	102	86	83	48	21
91	27	19	102	86	83	48	20
[illegible]	[illegible]	[illegible]	[illegible]	87	83	48	21

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

1-17 L.H. THROTT POS CNT VEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
*	*	2	1	*	2	28	0	2
21	*	12	7	0	3	27	1	6
21	*	29	14	0	4	27	0	19
21	*	28	15	0	2	27	0	20
21	*	26	14	25	2	28	0	19
21	*	26	15	20	2	27	0	20
21	*	27	13	14	8	26	0	20
21	*	27	14	12	15	28	11	19
21	*	27	14	17	18	27	15	20
38	*	47	26	17	27	27	27	57
70	*	53	21	16	66	26	60	84
99	*	53	22	20	67	27	60	87
98	*	53	21	20	71	25	61	87
96	*	52	20	20	64	26	61	87
99	*	52	21	19	73	28	61	87
99	*	53	22	22	77	28	60	87
99	20	51	22	22	62	25	62	89
98	20	52	23	20	63	26	63	88
99	20	52	20	20	77	24	63	87
99	60	52	19	20	72	27	63	87
96	76	51	26	20	71	24	60	87
96	83	48	21	20	63	24	63	69
96	83	48	21	19	65	22	63	69
96	83	46	20	18	72	26	62	68
96	83	46	17	17	61	24	64	68
96	83	47	20	20	61	23	63	69
96	83	48	20	20	77	24	64	69
96	83	48	19	20	63	24	63	67
96	83	49	19	19	69	24	64	69
96	83	46	19	17	64	25	63	69
96	83	47	21	19	60	25	63	69
96	83	46	18	21	72	25	64	69
96	83	48	19	14	65	25	63	71
96	83	47	19	18	67	24	63	69
96	83	47	20	18	69	23	64	70
96	83	48	20	20	71	24	64	70
96	83	47	19	19	63	23	63	69
96	83	47	21	18	63	25	64	70
96	83	47	20	18	71	24	64	70
96	82	48	21	17	62	23	65	70
96	83	50	22	19	68	24	64	70
96	83	48	21	17	68	24	65	71
96	83	48	20	20	64	22	63	71
96	83	48	21	20	66	25	63	69

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	0
94	28	15	100	86	83	48	21	
95	28	33	102	86	83	48	19	
96	28	52	102	86	83	48	18	
97	29	10	102	86	83	47	18	
98	29	29	102	86	83	48	20	
99	29	48	102	86	82	48	20	
100	30	6	102	86	83	48	22	
101	30	25	103	86	83	47	26	
102	30	43	102	86	82	48	22	
103	31	2	102	86	83	48	22	
104	31	20	102	83	81	47	23	
105	31	39	101	84	81	48	18	
106	31	57	101	84	81	48	20	
107	32	16	102	84	81	48	21	
108	32	34	102	84	81	48	22	
109	32	53	101	84	81	48	22	
110	33	12	83	24	23	27	13	
111	33	30	57	24	23	28	13	
112	33	49	*	*	*	*	*	
113	33	49	1	*	*	3	1	
114	33	52	1	*	*	3	1	
115	34	11	1	*	*	2	1	
116	34	30	1	*	*	2	1	
117	34	48	1	*	*	2	1	
118	35	7	1	*	*	1	1	
119	35	25	1	*	*	1	1	
120	35	44	1	*	*	3	1	
121	36	3	1	*	*	2	0	
122	36	21	1	*	*	3	1	
123	36	40	1	*	*	1	1	
124	36	59	1	*	*	2	1	
125	37	17	1	*	*	0	1	
126	37	36	1	*	*	3	0	
127	37	54	1	*	*	2	1	
128	38	13	1	*	*	1	1	
129	38	32	1	*	*	1	1	
130	38	50	1	*	*	2	0	
131	39	9	1	*	*	0	1	
132	39	27	1	*	*	2	1	
133	39	46	1	*	*	1	1	
134	40	4	1	*	*	1	1	
135	40	23	1	*	*	2	1	
136	40	42	1	*	*	1	1	
137	41	0	1	*	*	0	1	
138	41	19	1	*	*	1	0	
139	41	37	1	*	*	0	0	
140	41	56	1	*	*	2	1	
141	42	15	1	21	*	9	5	
142	42	33	15	21	*	26	13	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

1-17 R.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
86	83	48	21	17	66	21	64	69
86	83	48	19	17	62	23	63	71
86	83	48	18	17	72	23	63	70
86	83	47	18	18	69	23	63	70
86	83	48	20	18	64	24	64	70
86	82	48	20	20	64	24	63	71
86	83	48	22	20	64	23	64	69
86	83	47	26	16	72	24	63	70
86	82	48	22	20	65	21	65	69
86	83	48	22	18	71	23	64	69
83	81	47	23	18	60	24	64	69
84	81	48	18	20	61	24	65	68
84	81	48	20	16	69	24	62	69
84	81	48	21	20	68	23	63	67
84	81	48	22	19	63	24	62	69
84	81	48	22	16	66	24	64	66
24	23	27	13	14	62	23	55	21
24	23	28	13	4	39	23	42	21
*	*	*	*	*	*	*	*	*
*	*	3	1	24	4	3	0	4
*	*	3	1	23	5	3	2	2
*	*	2	1	22	4	2	1	2
*	*	2	1	22	3	2	0	2
*	*	2	1	22	3	2	0	3
*	*	1	1	22	3	26	0	2
*	*	1	1	22	3	25	0	1
*	*	3	1	22	2	26	1	2
*	*	2	0	22	2	25	0	2
*	*	3	1	22	3	27	0	2
*	*	1	1	22	3	28	0	2
*	*	2	1	22	2	24	0	0
*	*	0	1	22	4	29	0	1
*	*	3	0	22	2	26	0	2
*	*	2	1	22	2	28	0	2
*	*	1	1	22	2	24	0	2
*	*	1	1	22	3	26	0	0
*	*	2	0	22	3	29	0	1
*	*	0	1	22	2	25	0	2
*	*	2	1	22	2	27	0	2
*	*	1	1	23	2	23	0	1
*	*	1	1	22	2	24	0	2
*	*	2	1	22	2	25	0	2
*	*	1	1	22	2	26	1	0
*	*	0	1	22	3	27	0	1
*	*	1	0	22	3	24	0	1
*	*	0	0	1	3	26	0	2
*	*	2	1	2	1	25	0	1
*	*	9	5	1	2	26	0	6
*	*	26	13	6	6	24	1	16
*	*	27	1	7	13	26	10	16

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
144	43	10	33	21	*	25	12
145	43	29	35	21	*	24	12
146	43	48	57	41	*	48	21
147	44	6	89	41	*	48	18
148	44	25	59	23	*	25	13
149	44	43	46	23	*	25	13
150	45	2	42	23	*	25	14
151	45	20	40	23	*	25	16
152	45	39	39	23	*	25	13
153	45	58	35	23	*	26	14
154	46	16	39	23	*	25	14
155	46	35	39	23	*	27	13
156	46	53	39	23	*	25	14
157	47	12	86	47	*	48	21
158	47	31	104	99	*	50	19
159	47	49	104	99	*	50	22
160	48	8	104	99	*	52	20
161	48	26	105	99	*	49	21
162	48	45	104	99	*	51	20
163	49	3	*	99	*	51	23
164	49	22	104	99	20	51	19
165	49	41	105	99	20	51	22
166	49	59	104	99	71	50	21
167	50	18	104	99	77	52	21
168	50	36	101	81	80	48	19
169	50	55	101	82	81	47	20
170	51	13	101	82	81	48	21
171	51	32	102	85	83	48	22
172	51	51	101	85	84	56	20
173	52	9	102	84	82	54	20
174	52	28	102	84	82	54	22
175	52	46	101	81	82	49	22
176	53	5	102	85	82	53	24
177	53	23	101	84	82	51	21
178	53	42	102	85	81	52	21
179	54	0	101	85	82	55	21
180	54	19	101	85	82	53	22
181	54	38	102	84	82	55	19
182	54	56	*	85	81	52	22
183	55	15	102	85	81	55	24
184	55	33	102	85	81	55	21
185	55	52	102	85	82	51	20
186	56	10	102	85	82	54	20
187	56	29	101	85	82	54	19
188	56	47	101	85	81	54	26
189	57	6	102	85	81	54	20
190	57	25	102	85	82	54	21
191	57	43	102	85	82	54	20
192	58	2	101	85	81	55	22
193	58	20	102	85	82	52	25

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
21	*	25	12	16	17	26	14	18
21	*	24	12	0	17	26	15	19
41	*	48	21	18	60	24	50	75
41	*	48	18	17	64	25	58	73
23	*	25	13	10	46	25	44	19
23	*	25	13	17	30	25	30	19
23	*	25	14	17	26	24	24	20
23	*	25	16	8	23	24	22	19
23	*	25	13	10	23	24	21	19
23	*	26	14	17	21	23	21	20
23	*	25	14	8	23	24	21	20
23	*	27	13	12	20	26	21	20
23	*	25	14	16	23	25	20	20
47	*	48	21	20	66	22	58	76
99	*	50	19	18	78	26	59	89
99	*	50	22	20	80	25	61	89
99	*	52	20	19	72	26	60	89
99	*	49	21	19	61	25	61	88
99	*	51	20	20	67	26	61	89
99	*	51	23	19	58	23	62	90
99	20	51	19	19	61	25	60	89
99	20	51	22	17	72	23	62	89
99	71	50	21	19	61	23	62	89
99	77	52	21	20	62	25	60	90
81	80	48	19	17	71	23	61	89
82	81	47	20	16	62	26	63	87
82	81	48	21	16	68	27	63	88
85	83	48	22	20	66	21	63	88
85	84	56	20	20	62	24	62	106
84	82	54	20	20	75	23	63	108
84	82	54	22	18	68	24	63	108
81	82	49	22	17	70	23	63	104
85	82	53	24	19	64	25	64	106
84	82	51	21	20	63	23	64	107
85	81	52	21	20	60	23	63	107
85	82	55	21	21	59	23	62	107
85	82	53	22	19	58	27	64	108
84	82	55	19	22	68	25	65	107
85	81	52	22	20	66	23	65	107
85	81	55	24	22	59	24	63	108
85	81	55	21	18	69	24	64	107
85	82	51	20	20	69	26	65	106
85	82	54	20	20	66	24	64	105
85	82	54	19	19	64	27	65	107
85	81	54	26	22	70	24	65	107
85	81	54	20	20	67	23	64	108
85	82	54	21	22	66	26	65	106
85	82	54	20	19	64	24	63	108
85	81	55	22	20	68	29	65	106

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
194	58	39	103	85	81	57	20
195	58	57	102	85	82	51	22
196	59	16	102	85	81	54	22
197	59	34	102	85	82	55	22
198	59	53	101	85	82	56	19
199	60	12	102	85	81	53	20
200	60	30	102	85	82	54	21
201	60	49	102	85	82	55	21
202	61	7	102	85	81	57	25
203	61	26	101	85	82	52	20
204	61	44	102	85	82	55	20
205	62	3	101	85	82	54	24
206	62	21	101	85	82	57	21
207	62	40	102	85	82	49	22
208	62	58	102	85	81	47	19
209	63	17	102	85	81	43	20
210	63	36	100	85	82	48	20
211	63	54	98	85	82	51	24
212	64	13	102	85	82	48	20
213	64	31	102	85	82	49	22
214	64	50	102	86	82	52	21
215	65	8	100	85	82	63	24
216	65	27	100	85	84	63	20
217	65	45	100	85	83	63	24
218	66	4	103	86	83	45	19
219	66	23	102	86	83	48	21
220	66	41	103	86	83	46	19
221	67	0	*	99	70	52	21
222	67	18	102	89	68	61	22
223	67	37	100	88	67	61	24
224	67	55	100	88	67	62	21
225	68	14	*	88	67	60	23
226	68	32	102	88	67	60	22
227	68	51	101	88	67	57	25
228	69	10	101	88	68	58	23
229	69	28	102	88	67	61	27
230	69	47	101	88	68	60	23
231	70	5	102	88	67	55	26
232	70	24	100	88	67	57	21
233	70	42	101	88	67	55	22
234	71	1	101	88	67	63	23
235	71	20	103	88	67	46	22
236	71	38	102	88	67	46	20
237	71	57	102	88	67	46	21
238	72	15	102	88	65	54	21
239	72	34	102	89	23	49	19
240	72	52	103	88	*	48	20
241	73	11	71	26	*	27	13
242	73	29	51	*	*	19	12

1-17 L.H. ROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
85	81	57	20	21	71	26	65	110
85	82	51	22	19	71	23	65	109
85	81	54	22	21	64	25	64	111
85	82	55	22	19	68	23	64	108
85	82	56	19	20	66	26	63	109
85	81	53	20	16	68	25	64	107
85	82	54	21	22	74	24	66	107
85	82	55	21	19	66	24	65	106
85	81	57	25	17	67	24	64	110
85	82	52	20	19	60	25	65	110
85	82	55	20	22	66	23	65	110
85	82	54	24	20	69	23	64	109
85	82	57	21	17	69	23	65	108
85	82	49	22	19	66	23	66	107
85	81	47	19	16	68	23	63	78
85	81	43	20	20	71	24	64	61
85	82	48	20	17	63	20	63	63
85	82	51	24	20	66	27	67	75
85	82	48	20	17	68	25	63	71
85	82	49	22	16	69	25	64	69
86	82	52	21	17	69	26	65	102
85	82	63	24	18	68	25	64	135
85	84	63	20	20	60	25	63	134
85	83	63	24	21	65	25	66	132
86	83	45	19	18	72	23	64	63
86	83	48	21	18	62	26	65	65
86	83	46	19	16	74	25	64	64
99	70	52	21	19	69	27	67	104
89	68	61	22	20	69	25	66	134
88	67	61	24	19	61	25	65	135
87	67	62	21	20	68	24	65	134
88	67	60	23	20	69	26	65	134
88	67	60	22	18	68	24	63	131
88	67	57	25	19	65	26	63	133
88	68	58	23	18	65	25	64	133
88	67	61	27	21	63	27	65	135
88	68	60	23	20	69	24	63	134
88	67	55	26	21	49	25	64	134
88	67	57	21	20	68	24	63	131
88	67	55	22	19	65	26	64	135
88	67	63	23	21	68	26	64	134
88	67	46	22	19	66	24	64	81
88	67	46	20	20	72	25	63	83
88	67	46	21	18	64	23	63	83
88	65	54	21	19	69	26	65	84
89	23	49	19	18	65	24	64	82
88	*	48	20	18	69	26	65	83
26	*	27	13	15	57	25	51	22
*	*	19	12	10	29	26	34	8
*	*	*	*	*	*	*	*	*

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-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
49	14	20	*
50	14	38	1
51	14	57	9
52	15	15	9
53	15	34	1(
54	15	52	9
55	16	11	10
56	16	29	10
57	16	48	10
58	17	7	18
59	17	25	20
60	17	44	20
61	18	2	19
62	18	21	20
63	18	39	20
64	18	58	18
65	19	17	20
66	19	35	20
67	19	54	22
68	20	12	20
69	20	31	19
70	20	49	20
71	21	8	20
72	21	27	20
73	21	45	17
74	22	4	17
75	22	22	18
76	22	41	20
77	22	59	20
78	23	18	16
79	23	36	17
80	23	55	21
81	24	14	20
82	24	32	17
83	24	51	19
84	25	9	21
85	25	28	17
86	25	46	20
87	26	5	19
88	26	23	16
89	26	42	18
90	27	1	20
91	27	19	19
92	27	38	17

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
94	28	15	18
95	28	33	16
96	28	52	17
97	29	10	17
98	29	29	20
99	29	48	17
100	30	6	19
101	30	25	20
102	30	43	17
103	31	2	17
104	31	20	17
105	31	39	20
106	31	57	18
107	32	16	17
108	32	34	18
109	32	53	15
110	33	12	11
111	33	30	10
112	33	49	*
113	33	49	23
114	33	52	22
115	34	11	22
116	34	30	22
117	34	48	22
118	35	7	22
119	35	25	22
120	35	44	22
121	36	3	22
122	36	21	22
123	36	40	22
124	36	59	22
125	37	17	22
126	37	36	22
127	37	54	22
128	38	13	22
129	38	32	22
130	38	50	22
131	39	9	22
132	39	27	22
133	39	46	22
134	40	4	22
135	40	23	21
136	40	42	22
137	41	0	21
138	41	19	21
139	41	37	1
140	41	56	1
141	42	15	1
142	42	33	4

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
144	43	10	8
145	43	29	8
146	43	48	17
147	44	6	17
148	44	25	10
149	44	47	10
150	45	2	10
151	45	20	10
152	45	39	9
153	45	58	10
154	46	16	10
155	46	35	10
156	46	53	10
157	47	12	16
158	47	31	19
159	47	49	19
160	48	8	19
161	48	26	20
162	48	45	17
163	49	3	19
164	49	22	17
165	49	41	17
166	49	59	20
167	50	18	17
168	50	36	19
169	50	55	16
170	51	13	18
171	51	32	16
172	51	51	20
173	52	9	17
174	52	28	20
175	52	46	17
176	53	5	19
177	53	23	20
178	53	42	17
179	54	0	20
180	54	19	20
181	54	38	19
182	54	56	21
183	55	15	18
184	55	33	20
185	55	52	19
186	56	10	20
187	56	29	20
188	56	47	20
189	57	6	18
190	57	25	17
191	57	43	20
[illegible]	[illegible]	[illegible]	[illegible]

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
194	58	39	19
195	58	57	20
196	59	16	17
197	59	34	19
198	59	53	20
199	60	12	20
200	60	30	17
201	60	49	18
202	61	7	18
203	61	26	17
204	61	44	20
205	62	3	19
206	62	21	17
207	62	40	20
208	62	58	17
209	63	17	20
210	63	36	15
211	63	54	16
212	64	13	18
213	64	31	18
214	64	50	17
215	65	8	20
216	65	27	19
217	65	45	21
218	66	4	20
219	66	23	20
220	66	41	18
221	67	0	20
222	67	18	19
223	67	37	22
224	67	55	20
225	68	1	20
226	68	32	20
227	68	51	20
228	69	10	18
229	69	29	19
230	69	47	20
231	70	5	21
232	70	24	18
233	70	42	17
234	71	1	19
235	71	20	17
236	71	38	17
237	71	57	19
238	72	15	18
239	72	34	19
240	72	52	17
241	73	11	11
242	73	29	6
243	*	*	*

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-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
49	14	22	1	40	55	33	2980
50	14	40	1	50	60	40	2990
51	14	59	0	50	50	27	2945
52	15	18	1	50	55	32	3020
53	15	36	1	45	45	33	3020
54	15	55	0	70	100	36	2945
55	16	13	32	2774	2811	21	3020
56	16	32	25	2869	2826	40	2955
57	16	50	42	2829	2846	30	2880
58	17	9	24	2582	3263	44	2825
59	17	27	34	2955	3012	26	2955
60	17	46	35	2885	3022	40	3020
61	18	5	42	3041	3017	32	2930
62	18	23	36	2925	3012	27	2905
63	18	42	25	2895	2956	32	2885
64	19	0	37	3061	2991	33	3005
65	19	19	32	3020	2971	26	2915
66	19	38	33	3031	2956	32	2925
67	19	56	29	2990	2956	25	2885
68	20	15	32	3061	2981	40	2955
69	20	33	32	2990	2971	31	2960
70	20	52	32	2885	2926	22	2955
71	21	10	34	2980	2926	26	2900
72	21	29	31	3041	2936	32	2960
73	21	47	32	3020	2971	27	3000
74	22	6	36	3061	2971	33	2945
75	22	25	33	3061	2981	40	2920
76	22	43	38	2880	2971	22	2945
77	23	2	40	2970	2906	40	3000
78	23	20	35	2980	2931	33	2955
79	23	39	34	2980	2926	44	2880
80	23	57	32	2980	2926	40	3000
81	24	16	34	2915	2961	32	2960
82	24	34	34	2980	2876	22	2940
83	24	53	34	2980	2926	33	2955
84	25	12	40	2885	2971	22	2995
85	25	30	33	3061	2981	24	2940
86	25	49	40	2940	2916	33	2885
87	26	7	33	2930	2931	32	2955
88	26	26	34	2980	2936	33	2955
89	26	44	33	3061	2981	40	3000
90	27	3	34	2940	2956	34	2880
91	27	21	28	2980	2971	40	2960
92	27	40	32	3020	2971	26	2900
93	27	58	34	2980	2926	33	2955

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2-11 STAGE HYD. PUMP (AFT SERVO CYL. PSIG	2-06 TAGE HYD. PUMP LET ESS SIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
	40	55	33	2980	2887	1017	1015	64	32
2887	50	60	40	2990	2902	1011	1009	54	31
2902	50	50	27	2945	2907	1023	1011	60	27
2907	50	55	32	3020	2922	1015	1015	58	31
2922	45	45	33	3020	2897	1021	1013	64	27
2897	70	100	36	2945	2922	1007	1007	62	30
2922	774	2811	21	3020	2897	1009	1007	58	25
2897	169	2826	40	2955	3016	1021	1007	58	32
3016	129	2846	30	2880	2917	1015	1015	64	23
2917	182	3263	44	2825	2793	1013	1011	60	26
2793	155	3012	26	2955	2892	1013	1009	64	25
2892	185	3022	40	3020	2887	1019	1011	62	31
2887	141	3017	32	2930	2887	1021	1011	66	29
2887	125	3012	27	2905	2902	1009	1011	62	30
2902	195	2956	32	2885	2902	1009	1011	58	25
2907	161	2991	33	3005	2882	1009	1009	60	24
2882	220	2971	26	2915	2882	1009	1011	62	25
2882	131	2956	32	2925	2892	1017	1011	58	32
2892	190	2956	25	2885	2892	1013	1003	62	27
2892	181	2961	40	2955	2882	1009	1001	60	2[illegible]
2882	150	2971	31	2960	2882	1009	1011	54	3[illegible]
2882	185	2926	22	2955	2892	1003	1007	56	25
2882	180	2926	26	2900	2882	1009	997	64	28
2882	141	2936	32	2960	2887	1003	1011	64	26
2887	120	2971	27	3000	2877	1015	993	62	30
2877	161	2971	33	2945	2897	1000	1003	64	27
2897	161	2961	40	2920	2887	1009	1003	54	32
2887	200	2971	22	2945	2882	1013	1007	60	29
2882	170	2906	40	3000	2882	1007	1005	62	27
2882	180	2931	33	2955	2892	1003	1007	58	29
2892	160	2926	44	2880	2882	1007	1001	58	30
2882	180	2926	40	3000	2882	1013	1003	68	25
2882	115	2961	32	2960	2897	1000	1001	58	30
2897	200	2876	22	2940	2892	1017	1007	56	30
2892	160	2926	33	2955	2882	1000	1001	46	30
2882	185	2971	22	2995	2882	1003	1001	50	30
2882	161	2961	24	2940	2887	1007	1003	62	24
2887	140	2916	33	2885	2902	1011	1007	64	27
2902	180	2931	32	2955	2897	1005	1001	50	29
2897	180	2936	33	2955	2877	1009	1007	64	24
2877	161	2961	40	3000	2887	1015	1001	60	31
2887	140	2956	34	2880	2877	1003	1007	58	27
2877	180	2971	40	2960	2887	1005	1001	50	29
2887	180	2971	26	2900	2887	1007	1007	56	30
2887	160	2926	33	2955	2882	1007	995	46	31

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2
94	28	17	31	2940	2916	23	2940	
95	28	36	41	2885	2971	40	2920	
96	28	54	33	3020	2931	33	3020	
97	29	13	40	2885	2971	31	2955	
98	29	31	32	2980	2926	40	2960	
99	29	50	32	2970	3012	36	2885	
100	30	8	35	2980	2926	20	2940	
101	30	27	40	2864	2991	33	2955	
102	30	45	34	2980	2926	33	2990	
103	31	4	29	2885	2971	40	2925	
104	31	23	33	2885	2926	26	2940	
105	31	41	33	3066	2976	33	3000	
106	32	0	32	3026	2971	32	2945	
107	32	18	32	2849	2926	26	2920	
108	32	37	23	2980	2981	33	3000	
109	32	55	30	3020	2976	40	2900	
110	33	14	32	2920	2911	40	2920	
111	33	32	30	2869	2876	32	2880	
112	33	49	*	*	*	*	*	
113	33	49	0	65	75	*	65	
114	33	55	0	40	70	*	70	
115	34	13	0	25	50	*	65	
116	34	32	1	45	45	*	80	
117	34	51	0	50	55	*	55	
118	35	9	1	35	50	26	2920	
119	35	28	1	25	50	40	2925	
120	35	46	1	35	45	33	3020	
121	36	5	1	35	50	32	2995	
122	36	24	1	40	55	33	3020	
123	36	42	0	40	35	32	3020	
124	37	1	1	15	45	33	3020	
125	37	19	1	40	50	31	3020	
126	37	38	0	40	65	31	2995	
127	37	57	1	50	55	40	2920	
128	38	15	0	35	55	3	3300	
129	38	34	0	35	50	27	2880	
130	38	52	3	50	65	27	2815	
131	39	11	0	25	50	48	2955	
132	39	30	0	50	50	40	2995	
133	39	48	0	40	55	32	3000	
134	40	7	0	50	35	25	2920	
135	40	25	0	50	50	26	2990	
136	40	44	2	35	55	33	2325	
137	41	3	2	40	70	24	3000	
138	41	21	0	40	55	25	2945	
139	41	40	0	35	35	26	2945	
140	41	58	0	35	50	27	2945	
141	42	17	1	125	140	27	2865	
142	42	36	30	2713	2750	28	2950	
143	42	54	29	2824	2796	27	294	

2-06 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
2940	2916	23	2940	2882	1000	1005	54	32
2885	2971	40	2920	2887	1003	995	54	26
3020	2931	33	3020	2887	1007	993	60	29
2885	2971	31	2955	2902	1000	1007	54	32
2930	2926	40	2960	2882	1005	1007	64	25
2970	3012	36	2885	2882	1003	1011	56	29
2980	2926	20	2940	2867	1003	1003	50	32
2864	2991	33	2955	2882	1007	1007	54	29
2980	2926	33	2990	2887	1005	1007	46	27
2885	2971	40	2925	2887	1000	1011	50	26
2905	2926	26	2940	2892	1003	1007	62	27
3066	2976	33	3000	2902	1003	1005	54	26
3026	2971	32	2945	2897	1005	1007	56	28
2849	2926	26	2920	2882	1007	1007	60	23
2980	2981	33	3000	2902	1003	1007	54	30
3020	2976	40	2900	2867	1007	1003	60	23
2920	2911	40	2920	2892	1003	1003	58	27
2869	2876	32	2880	2887	1003	1001	58	24
*	*	*	*	*	*	*	*	*
65	75	*	65	24	20	14	20	0
40	70	*	70	34	22	16	18	0
25	90	*	65	19	20	8	16	0
45	45	*	80	14	16	12	8	0
50	55	*	55	14	16	6	12	1
35	60	26	2920	2902	48	32	48	27
25	90	40	2925	2952	46	40	48	27
35	45	33	3020	2932	50	32	44	28
35	50	32	2995	2907	42	38	42	32
40	55	33	3020	2917	44	38	54	26
40	35	32	3020	2912	44	40	56	32
15	45	33	3020	2932	42	30	50	23
40	50	31	3020	2932	46	34	58	23
40	65	31	2995	2932	40	36	54	31
50	55	40	2920	2902	48	38	52	23
35	55	3	3300	3006	1033	1031	50	24
35	50	27	2880	2922	1023	1023	64	23
50	65	27	2815	2788	1025	1029	46	25
25	80	48	2955	2892	1025	1021	56	31
50	50	40	2995	2897	1021	1021	58	24
40	55	32	3000	2902	1031	1015	60	23
50	35	25	2920	2907	1015	1017	52	31
50	50	26	2990	2902	1025	1015	54	26
35	55	33	2925	2981	1011	1015	60	26
40	70	24	3000	3190	1015	1009	60	27
40	55	25	2945	2902	1015	1015	54	31
35	35	26	2945	2902	1013	1011	60	27
35	50	27	2945	2897	1021	1009	60	24
25	40	27	2865	2887	1009	1009	50	24
13	2750	28	2950	2887	1011	1007	60	22
24	2796	27	2940	2877	1007	1009	54	27

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2S S C
144	43	13	*	2824	2851	27	2965	2
145	43	31	31	2854	2856	22	2920	2
146	43	50	23	2940	2911	25	2945	2
147	44	8	26	2885	2961	22	2870	2
148	44	27	32	2895	2881	32	3000	2
149	44	46	23	2824	2916	34	3000	2
150	45	4	31	2834	2861	33	2880	2
151	45	23	*	2844	2881	34	2960	2
152	45	41	*	2880	2901	33	3000	2
153	46	0	31	2859	2846	32	2960	2
154	46	18	24	2844	2861	31	2960	2
155	46	37	26	2869	2861	38	2910	2
156	46	56	41	2869	2841	32	2920	2
157	47	14	32	2915	2946	33	2915	2
158	47	33	32	3031	2976	24	2940	2
159	47	51	26	2874	2981	32	2945	2
160	48	10	25	2874	2941	31	2885	2
161	48	29	27	3031	2976	23	2945	
162	48	47	40	3041	2971	24	2905	
163	49	6	35	2874	2981	31	2880	
164	49	24	33	2885	2981	23	2940	
165	49	43	42	2885	2991	32	2940	
166	50	1	31	2885	2961	31	2865	
167	50	20	22	2874	2936	32	2920	
168	50	39	29	2880	2931	31	3020	
169	50	57	29	2965	2971	29	2880	
170	51	16	33	2885	2926	22	2870	
171	51	34	49	2980	2931	31	2940	
172	51	53	34	2980	3012	20	2945	
173	52	11	36	3066	2971	32	2880	
174	52	30	25	2885	2956	27	3020	
175	52	49	30	3026	2971	29	2940	
176	53	7	21	2940	2941	33	2915	
177	53	26	33	3066	2971	32	3020	
178	53	44	30	3026	2971	26	2910	
179	54	3	34	2930	2971	27	2945	
180	54	21	33	3020	2956	21	2955	
181	54	40	40	2980	2931	24	2880	
182	54	58	29	2824	2971	32	2885	
183	55	17	29	3026	2971	22	2945	
184	55	36	21	2970	2926	24	2925	
185	55	54	30	2930	2971	31	2960	
186	56	13	38	2958	2926	26	3000	
187	56	31	30	3026	2971	33	2940	
188	56	50	32	3020	2981	32	2910	
189	57	8	37	2885	2956	22	2945	
190	57	27	30	3066	2971	22	2880	
191	57	45	34	2960	3012	24	2955	
192	58	4	34	3026	2976	27	2945	
193	58	23	39	3026	3012	22	2965	

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2-06 AGE YD. UMP LET SS IG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
24	2851	27	2965	2912	42	28	64	38
74	2856	22	2920	2887	1005	1009	60	32
10	2911	25	2945	2847	1013	1007	60	24
85	2961	22	2870	2882	1013	1005	58	26
95	2881	32	3000	2882	1000	1001	52	23
24	2916	34	3000	2892	1007	1007	60	23
54	2861	33	2880	2882	1009	993	60	26
14	2861	34	2960	2872	1005	1007	60	27
80	2901	33	3000	2867	1005	1001	58	24
59	2846	32	2960	2877	1003	1007	46	31
44	2861	31	2960	2867	1003	1001	60	31
69	2861	38	2910	2867	1000	999	54	26
69	2841	32	2920	2882	1005	1009	56	25
15	2946	33	2915	2867	1000	999	54	31
91	2976	24	2940	2882	1003	1007	54	26
74	2981	32	2945	2862	1000	1001	60	20
74	2941	31	2885	2887	1005	999	46	26
31	2976	23	2945	2867	1003	1007	52	31
41	2971	24	2905	2892	1003	1007	54	31
74	2981	31	2880	2882	1005	995	60	33
15	2981	23	2940	2877	1000	993	46	27
05	2991	32	2940	2867	1007	1003	54	31
85	2961	31	2865	2847	1003	993	50	26
74	2936	32	2920	2882	1000	999	40	26
80	2931	31	3020	2872	1003	999	54	31
15	2971	29	2880	2872	1005	997	52	26
5	2926	22	2870	2877	1015	1007	58	23
30	2931	31	2940	2882	1011	1001	48	31
30	3012	20	2945	2867	1005	1007	56	23
36	2971	32	2880	2882	1021	1013	48	25
95	2956	27	3020	2912	1009	997	56	31
6	2971	29	2940	2887	1013	1007	60	32
0	2941	33	2915	2882	1005	999	52	32
5	2971	32	3020	2882	1007	999	54	26
25	2971	26	2910	2887	1009	1001	50	23
30	2971	27	2945	2882	1007	997	54	32
20	2956	21	2955	2902	1005	1007	54	24
0	2931	24	2880	2887	1007	995	60	24
4	2971	32	2885	2862	1013	993	60	40
35	2971	22	2945	2892	1013	1001	50	31
70	2926	24	2925	2882	1007	1001	56	30
30	2971	31	2960	2882	1009	1001	42	33
0	2926	26	3000	2882	1013	995	54	24
5	2971	33	2940	2862	1007	995	60	31
8	2981	32	2910	2887	1009	1007	60	27
5	2956	22	2945	2902	1000	1001	46	27
6	2971	22	2880	2897	1009	997	56	30
0	3012	24	2955	2892	1011	995	62	23
6	2976	27	2945	2882	1013	1001	60	31
5	3012	22	2965	2902	1007	1009	50	26

2-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2 2ST H (SE CY P
194	58	41	30	2885	2971	24	2990	28
195	59	0	30	2915	2971	33	2995	28
196	59	18	31	3026	2981	24	2920	28
197	59	37	32	2980	2936	33	2920	28
198	59	55	34	2980	2931	25	3020	28
199	60	14	32	2915	2971	33	2940	28
200	60	32	32	2885	2926	28	2940	28
201	60	51	33	3020	2981	27	3020	28
202	61	9	31	3066	2971	32	2920	29
203	61	28	29	2980	3012	32	3010	28
204	61	47	40	2980	3012	24	2960	28
205	62	5	40	3041	2926	28	2940	28
206	62	24	42	3041	2956	21	2965	29
207	62	42	30	2885	2971	23	2940	28
208	63	1	30	2980	100	26	2885	28
209	63	19	32	2885	2976	27	3000	29
210	63	38	41	2980	2941	22	2920	27
211	63	56	40	2940	3012	33	2860	28
212	64	15	22	3020	3012	32	2940	28
213	64	34	22	2885	2971	33	2955	29
214	64	52	34	2885	3012	23	2940	28
215	65	11	30	2885	2891	22	3020	28
216	65	29	36	3066	3012	34	2905	28
217	65	48	30	3066	2956	21	3000	29
218	66	6	27	2885	2971	31	2960	28
219	66	25	33	3026	2936	22	3000	29
220	66	43	21	2885	2971	31	2960	28
221	67	2	32	2980	2956	26	2920	28
222	67	21	31	2885	3017	27	2920	28
223	67	39	33	3061	3006	40	2960	28
224	67	58	40	2980	2971	28	2880	29
225	68	16	32	2980	3012	22	3000	28
226	68	35	25	2980	2981	32	3020	28
227	68	53	21	2980	2971	28	2865	2
228	69	12	30	2885	2926	33	2980	2
229	69	30	33	3066	2976	21	2865	2
230	69	49	40	3061	3001	33	3000	2
231	70	8	25	2885	3012	32	2960	2
232	70	26	25	2970	2971	32	2990	2
233	70	45	27	2940	2931	26	3020	2
234	71	3	21	2980	2971	24	2920	2
235	71	22	34	2980	2971	25	2955	2
236	71	40	33	2930	2991	34	2925	2
237	71	59	28	2940	3012	33	2940	2
238	72	17	37	2980	2956	33	2945	2
239	72	36	33	2980	2956	33	2945	2
240	72	55	31	3020	2926	31	2920	2
241	73	13	29	2854	2916	29	2880	2
242	73	32	31	2844	2871	22	2920	2
243	*	*	*	*	*	*	*	

2-06 AGE HYD. PUMP LET ESS SIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
85	2971	24	2990	2887	1003	997	60	33
15	2971	33	2995	2887	1000	1007	48	27
26	2981	24	2920	2887	1003	1003	52	31
80	2936	33	2920	2882	1000	1007	60	24
80	2931	25	3020	2892	1007	1003	60	31
15	2971	33	2940	2887	1007	1007	58	23
85	2926	28	2940	2892	1013	1007	56	31
20	2981	27	3020	2882	1003	999	60	27
66	2971	32	2920	2902	1005	997	58	26
40	3012	32	3010	2887	1015	1007	42	30
80	3012	24	2960	2892	1017	1007	44	29
41	2926	28	2940	2887	1011	1007	48	27
41	2956	21	2965	2902	1011	993	46	29
85	2971	23	2940	2882	1013	1005	48	29
80	100	26	2885	2887	1009	1007	40	28
85	2976	27	3000	2912	1013	1011	42	31
80	2941	22	2920	2783	1021	1007	42	30
40	3012	33	2860	2897	1011	1011	48	29
20	3012	32	2940	2897	1015	1007	34	30
85	2971	33	2955	2907	1011	1005	46	32
15	3012	23	2940	2882	1013	1007	42	30
85	2891	22	3020	2847	1011	1007	42	30
66	3012	34	2905	2817	1021	1011	42	30
66	2956	21	3000	2902	1009	1007	44	32
85	2971	31	2960	2887	1003	1007	44	30
26	2936	22	3000	2907	1011	1011	38	31
85	2971	31	2960	2897	1011	1001	48	30
80	2956	26	2920	2887	1003	1001	50	29
85	3017	27	2920	2887	1009	1007	40	31
61	3006	40	2960	2892	1011	1007	40	30
80	2971	28	2880	2917	1011	1011	46	28
80	3012	22	3000	2877	1013	1007	44	30
80	2981	32	3020	2887	1017	1009	40	30
80	2971	28	2865	2882	1011	1007	42	29
85	2926	33	2980	2887	1007	1003	38	30
66	2976	21	2865	2887	1009	1001	46	31
61	3001	33	3000	2902	1007	1007	48	30
5	3012	32	2960	2882	1009	1001	42	27
70	2971	32	2990	2892	1009	1007	44	29
9	2931	26	3020	2882	1005	997	44	30
80	2971	24	2920	2892	1009	1005	38	28
80	2971	25	2955	2887	1009	1007	48	30
70	2991	34	2925	2892	1003	995	38	27
0	3012	33	2940	2887	1003	999	40	30
0	2956	33	2945	2882	1017	997	42	30
8	2956	33	2945	2882	1013	1007	40	32
20	2926	31	2920	2887	1007	1001	42	27
54	2916	29	2880	2887	1015	1007	50	32
4	2871	22	2920	2882	1005	1005	42	28
*	*	*	*	*	*	*	*	*

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8 JULY 1970
RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
49	14	22	2686	1420
50	14	40	2817	1436
51	14	59	2732	1432
52	15	18	2787	1436
53	15	36	2787	1432
54	15	55	2757	1430
55	16	13	2701	1428
56	16	32	2782	1436
57	16	50	2701	1422
58	17	9	2742	1432
59	17	27	2838	1434
60	17	46	2747	1428
61	18	5	2732	1426
62	18	23	2721	1432
63	18	42	2747	1430
64	19	0	2883	1420
65	19	19	2868	1422
66	19	38	2782	1428
67	19	56	2792	1428
68	20	15	2929	1434
69	20	33	2732	1428
70	20	52	2747	1428
71	21	10	2732	1430
72	21	29	2848	1436
73	21	47	2747	1422
74	22	6	2757	1428
75	22	25	2747	1430
76	22	43	2716	1436
77	23	2	2848	1428
78	23	20	2782	1428
79	23	39	2737	1430
80	23	57	2737	1422
81	24	16	2742	1426
82	24	34	2787	1434
83	24	53	2742	1432
84	25	12	2721	1430
85	25	30	2737	1430
86	25	49	2762	1432
87	26	7	2721	1422
88	26	26	2737	1434
89	26	44	2691	1422
90	27	3	2757	1436
91	27	21	2828	1432
92	27	40	2732	1426
[illegible]	[illegible]	58	2701	1428

1320

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
94	28	17	2732	1428
95	28	36	2767	1428
96	28	54	2691	1432
97	29	13	2757	1428
98	29	31	2721	1430
99	29	50	2742	1434
100	30	8	2742	1438
101	30	27	2762	1434
102	30	45	2757	1430
103	31	4	2767	1432
104	31	23	2721	1432
105	31	41	2833	1436
106	32	0	2762	1436
107	32	18	2787	1426
108	32	37	2691	1436
109	32	55	2721	1432
110	33	14	2737	1436
111	33	32	2777	1438
112	33	49	*	*
113	33	49	15	10
114	33	55	25	0
115	34	13	0	0
116	34	32	10	*
117	34	51	15	34
118	35	9	2918	1454
119	35	28	2903	1460
120	35	46	2949	1454
121	36	5	2934	1446
122	36	24	2868	1468
123	36	42	2828	1460
124	37	1	2787	1454
125	37	19	2797	1456
126	37	38	2772	1456
127	37	57	2817	1458
128	38	15	2767	1476
129	38	34	2817	1460
130	38	52	2782	1344
131	39	11	2782	1460
132	39	30	2949	1462
133	39	48	2797	1460
134	40	7	2777	1462
135	40	25	2868	1458
136	40	44	2828	1460
137	41	3	2797	1450
138	41	21	2828	1462
139	41	40	2929	1454
140	41	58	2787	1454
141	42	17	2828	1454
142	42	36	2777	1460
143	42	54	2742	1460

1321

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
144	43	13	2838	1440
145	43	31	2797	1452
146	43	50	2787	1444
147	44	8	2767	1450
148	44	27	2732	1456
149	44	46	2782	1450
150	45	4	2732	1456
151	45	23	2742	1448
152	45	41	2742	1460
153	46	0	2737	1460
154	46	18	2817	1460
155	46	37	2732	1452
156	46	56	2752	1454
157	47	14	2777	1454
158	47	33	2757	1456
159	47	51	2721	1460
160	48	10	2838	1458
161	48	29	2782	1456
162	48	47	2732	1460
163	49	6	2817	1454
164	49	24	2838	1460
165	49	43	2732	1460
166	50	1	2767	1458
167	50	20	2737	1456
168	50	39	2742	1460
169	50	57	2868	1448
170	51	16	2742	1456
171	51	34	2797	1460
172	51	53	2777	1454
173	52	11	2777	1466
174	52	30	2868	1462
175	52	49	2732	1454
176	53	7	2701	1462
177	53	26	2777	1464
178	53	44	2732	1464
179	54	3	2777	1462
180	54	21	2777	1458
181	54	40	2787	1460
182	54	58	2737	1460
183	55	17	2828	1464
184	55	36	2757	1462
185	55	54	2949	1452
186	56	13	2787	1460
187	56	31	2777	1460
188	56	50	2868	1454
189	57	8	2727	1454
190	57	27	2787	1462
191	57	45	2828	1460
192	58	4	2787	1460
193	58	23	2802	1456

1922

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
194	58	41	2777	1468
195	59	0	2737	1464
196	59	18	2787	1468
197	59	37	2732	1464
198	59	55	2742	1460
199	60	14	2828	1460
200	60	32	2807	1460
201	60	51	2868	1464
202	61	9	2752	1468
203	61	28	2929	1460
204	61	47	2929	1448
205	62	5	2939	1450
206	62	24	2878	1452
207	62	42	2934	1446
208	63	1	2883	1460
209	63	19	2979	1454
210	63	38	2929	1448
211	63	56	2913	1452
212	64	15	2898	1448
213	64	34	2888	1444
214	64	52	2954	1446
215	65	11	2949	1452
216	65	29	3030	1446
217	65	48	2853	1446
218	66	6	2898	1448
219	66	25	2929	1456
220	66	43	2949	1446
221	67	2	2939	1456
222	67	21	2934	1452
223	67	39	2863	1452
224	67	58	2929	1460
225	68	16	2944	1450
226	68	35	2969	1454
227	68	53	2893	1454
228	69	12	2878	1448
229	69	30	2858	1446
230	69	49	2939	1450
231	70	8	2969	1454
232	70	26	3030	1444
233	70	45	2954	1446
234	71	3	2954	1446
235	71	22	2893	1440
236	71	40	2903	1440
237	71	59	2918	1426
238	72	17	2893	1420
239	72	36	2868	1446
240	72	55	2898	1442
241	73	13	2918	1440
242	73	32	2929	1444
243	*	*	*	*

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CLIMATIC LAB TEST
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RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
49	14	26	46	44	45	40	78
50	14	45	46	44	45	39	78
51	15	4	46	45	45	39	78
52	15	22	47	44	42	40	79
53	15	41	46	45	44	39	77
54	15	59	49	44	45	40	78
55	16	18	48	45	45	40	78
56	16	36	47	45	43	39	81
57	16	55	46	46	45	38	84
58	17	13	47	45	44	40	87
59	17	32	45	45	44	40	89
60	17	51	47	46	44	41	91
61	18	9	45	45	44	42	91
62	18	28	46	46	47	42	94
63	18	46	46	46	45	41	95
64	19	5	48	46	44	41	96
65	19	24	48	47	46	41	98
66	19	42	48	48	44	41	99
67	20	1	48	46	45	42	100
68	20	19	48	48	44	43	103
69	20	38	49	48	48	44	104
70	20	56	48	47	48	41	105
71	21	15	49	48	45	45	106
72	21	33	49	48	45	44	107
73	21	52	49	49	46	44	108
74	22	11	49	48	48	42	108
75	22	29	50	48	45	43	108
76	22	48	49	48	49	42	108
77	23	6	49	49	48	44	109
78	23	25	50	48	50	43	110
79	23	43	50	46	46	45	110
80	24	2	48	46	49	43	110
81	24	20	49	46	46	44	110
82	24	39	48	45	49	42	111
83	24	58	48	47	50	42	111
84	25	16	48	47	46	44	111
85	25	35	49	46	49	42	112
86	25	53	49	47	48	43	112
87	26	12	49	48	45	45	112
88	26	30	49	47	49	42	112
89	26	49	49	48	49	43	111
90	27	7	49	48	49	42	112
91	27	26	49	48	48	43	112
92	27	45	49	47	46	45	112
93	28	3	49	46	48	43	113

1328

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
94	28	22	48	46	47	44	112
95	28	40	49	48	46	43	112
96	28	59	48	48	49	42	112
97	29	17	50	46	45	44	112
98	29	36	48	48	49	43	113
99	29	54	49	47	49	42	112
100	30	13	49	48	49	43	113
101	30	32	49	48	48	44	112
102	30	50	49	46	47	44	113
103	31	9	49	47	48	44	112
104	31	27	49	48	48	46	113
105	31	46	49	48	48	45	112
106	32	4	49	47	46	43	112
107	32	23	50	46	49	44	112
108	32	41	48	46	49	44	112
109	33	0	49	48	45	42	111
110	33	18	48	46	45	44	111
111	33	37	48	45	45	44	111
112	33	49	46	44	41	40	101
113	33	49	47	44	42	41	100
114	33	59	46	44	44	41	95
115	34	18	46	44	44	42	94
116	34	37	46	44	45	42	95
117	34	55	46	44	44	41	94
118	35	14	46	44	44	39	94
119	35	32	46	44	44	40	93
120	35	51	46	44	44	40	93
121	36	10	45	44	42	40	94
122	36	28	46	42	42	41	93
123	36	47	46	45	45	39	93
124	37	5	45	44	42	39	94
125	37	24	47	43	44	42	93
126	37	43	45	44	42	41	93
127	38	1	45	43	42	41	93
128	38	20	46	45	45	40	92
129	38	38	44	44	45	39	93
130	38	57	46	45	43	40	92
131	39	16	45	44	42	39	93
132	39	34	45	43	41	40	92
133	39	53	46	44	46	41	93
134	40	11	46	44	45	40	92
135	40	30	46	42	42	41	92
136	40	49	45	44	44	40	92
137	41	7	45	44	45	40	92
138	41	26	47	43	44	40	93
139	41	44	45	43	43	39	93
140	42	3	45	45	42	39	93
141	42	22	44	43	46	39	93
142	42	40	45	45	44	40	90
143	42	59	45	44	42	38	9

1325

4-06 PLT SHD IDE PER R H E.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
46	47	44	112	123	93	126	130	133
48	46	43	112	124	93	126	130	134
48	49	42	112	124	93	126	131	134
46	45	44	112	124	93	127	131	134
48	49	43	113	125	93	127	131	133
47	49	42	112	125	93	127	131	133
48	49	43	113	123	93	128	132	134
48	48	44	112	123	93	127	132	134
46	47	44	113	125	93	127	131	134
47	48	44	112	124	93	128	132	134
48	48	46	113	124	93	127	132	135
48	48	45	112	124	93	128	131	134
47	46	43	112	124	92	127	130	134
46	49	44	112	124	93	128	130	135
46	49	44	112	123	92	128	132	135
48	45	4[illegible]	111	123	93	126	131	134
46	45	44	111	122	92	126	131	133
45	45	44	111	120	92	127	130	135
44	41	40	101	104	88	123	96	111
44	42	41	100	102	88	121	93	109
[illegible]	44	41	95	96	87	114	88	102
[illegible]	44	42	94	96	86	114	88	101
44	45	42	95	96	87	115	88	101
44	44	41	94	95	86	112	87	100
[illegible]	44	39	94	96	85	102	103	100
[illegible]	44	40	93	95	86	102	109	99
[illegible]	44	40	93	95	85	105	112	99
[illegible]	42	40	94	94	85	108	115	98
42	42	41	93	95	85	111	116	99
[illegible]	45	39	93	94	87	113	119	99
[illegible]	42	39	94	95	87	115	122	98
[illegible]	44	42	93	95	85	118	125	98
[illegible]	42	41	93	95	86	119	126	99
[illegible]	42	41	93	94	86	122	128	98
[illegible]	45	40	92	95	86	119	127	105
[illegible]	45	39	93	93	87	118	126	111
[illegible]	45	40	92	94	86	121	126	116
[illegible]	42	39	93	93	86	122	127	117
[illegible]	41	40	92	93	86	122	129	119
[illegible]	45	41	93	94	86	123	130	123
[illegible]	45	40	92	94	86	123	130	124
[illegible]	42	41	92	93	86	124	131	127
[illegible]	44	40	92	93	86	126	132	128
[illegible]	43	40	92	94	86	129	133	129
[illegible]	44	40	93	94	86	128	133	131
[illegible]	43	39	93	93	87	128	135	133
[illegible]	42	39	93	94	87	129	136	133
[illegible]	46	39	9[illegible]	94	87	129	137	135
[illegible]	44	40	9[illegible]	96	88	129	138	135
[illegible]	42	38	9[illegible]	97	88	130	138	136

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
144	43	17	45	45	46	39	93
145	43	35	46	44	46	40	94
146	43	54	46	44	45	41	97
147	44	13	47	43	43	41	98
148	44	32	45	45	44	40	99
149	44	50	46	45	46	42	99
150	45	9	47	45	45	42	101
151	45	27	46	45	46	42	102
152	45	46	48	44	44	42	103
153	46	4	45	45	44	41	103
154	46	23	48	44	44	42	104
155	46	42	46	46	46	41	104
156	47	0	48	45	46	42	105
157	47	19	46	43	43	42	106
158	47	37	47	46	46	41	105
159	47	56	48	44	44	42	106
160	48	15	45	46	44	41	106
161	48	33	48	44	44	41	107
162	48	52	46	46	46	42	107
163	49	10	48	44	44	43	108
164	49	29	45	46	46	41	108
165	49	47	45	46	44	41	108
166	50	6	48	44	44	41	108
167	50	25	46	46	44	41	109
168	50	43	46	47	45	41	109
169	51	2	48	44	45	43	109
170	51	20	47	47	46	41	109
171	51	39	45	46	48	43	110
172	51	57	48	44	45	42	109
173	52	16	49	44	44	42	110
174	52	35	48	45	45	43	108
175	52	53	47	45	44	42	107
176	53	12	47	46	46	43	107
177	53	30	48	46	45	44	106
178	53	49	49	47	47	45	106
179	54	7	48	44	44	44	106
180	54	26	47	46	44	43	105
181	54	44	48	44	44	43	105
182	55	3	48	46	44	43	108
183	55	22	49	45	45	44	107
184	55	40	46	48	48	45	104
185	55	59	46	49	48	45	114
186	56	17	48	47	48	45	105
187	56	36	49	46	46	43	104
188	56	54	47	47	47	44	104
189	57	13	49	46	46	44	107
190	57	31	47	48	48	45	106
191	57	50	46	48	48	45	105
192	58	9	49	46	46	44	103
193	58	27	48	47	48	45	103

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-15	-06	4-07	4-08	4-09	4-10	4-11	4-12	4-14	4-15
AGE	FLT	CENTER	CENTER	1STAGE	1STAGE	1STAGE	2STAGE	2STAGE	2STAGE
UNB	SHD	PANEL	PANEL	PUMP	PUMP	AFT	PUMP	AFT	AFCS 1
LET	IDE	WNDSHD	WNDSHD	INLET	OUTLET	SERVO	INLET	SERVO	(COLL.
YO	ER	INSIDE	INSIDE	HYD.	HYD.	HYD IN	HYD.	HYD IN	/YAW
EM	H	LWR C	UPR C	TEMP	TEMP	TEMP	TEMP	TEMP	CHAN)
G.	.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
98	45	46	39	93	98	88	131	139	136
01	44	46	40	94	101	87	131	138	138
03	44	45	41	97	103	88	132	138	138
05	43	43	41	98	105	88	131	138	137
07	45	44	40	99	107	88	130	136	139
07	45	46	42	99	107	88	130	137	138
08	45	45	42	101	108	88	131	136	139
09	45	46	42	102	109	88	130	138	139
09	44	44	42	103	109	89	131	137	140
10	45	44	41	103	110	90	131	138	140
11	44	44	42	104	111	89	133	138	140
11	45	46	41	104	111	91	132	139	140
13	45	46	42	105	113	89	133	138	140
15	43	43	42	106	115	91	133	138	140
17	46	46	41	105	117	92	132	138	140
18	44	44	42	106	118	92	132	137	140
18	46	44	41	106	118	92	133	136	139
19	44	44	41	107	119	92	130	136	138
20	46	40	42	107	120	91	131	135	138
20	45	44	43	108	120	92	130	135	139
20	46	46	41	108	120	92	129	134	138
20	46	44	41	108	120	92	130	134	138
20	45	44	41	108	120	91	130	134	137
22	46	44	41	109	122	91	129	134	136
20	47	45	41	109	120	91	130	133	137
22	45	45	43	109	122	92	130	133	137
22	47	46	41	109	122	92	130	134	136
20	48	48	43	110	120	92	130	134	136
21	45	45	42	109	121	92	129	132	136
20	44	44	42	110	120	91	129	132	136
20	45	45	43	108	120	91	128	131	136
20	45	44	42	107	120	90	128	131	135
19	46	46	43	107	119	89	128	132	135
19	46	46	44	106	119	89	127	130	135
19	47	47	45	106	119	88	128	130	134
18	44	44	44	106	118	88	127	130	135
18	45	44	43	105	118	88	128	130	134
18	44	44	43	105	118	85	126	129	134
17	45	44	43	108	117	86	127	129	133
17	45	45	44	107	117	86	126	129	133
17	48	48	45	104	117	86	127	129	133
17	48	48	45	114	117	86	128	130	133
17	47	48	45	105	117	86	128	129	133
16	46	46	43	104	116	85	126	129	132
16	47	47	44	104	116	85	127	129	132
16	46	46	44	107	116	85	126	129	133
15	48	48	45	106	115	84	126	129	132
15	48	48	45	105	115	85	126	128	132
15	46	46	44	103	115	85	126	128	132
15	48	48	45	103	115	85	126	129	131

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
194	58	46	47	48	49	46	103
195	59	4	47	48	48	45	103
196	59	23	48	46	45	43	102
197	59	41	47	47	48	45	102
198	60	0	46	48	48	45	102
199	60	18	48	45	45	43	101
200	60	37	48	47	47	45	102
201	60	56	48	48	49	45	101
202	61	14	48	47	48	44	102
203	61	33	47	48	48	45	101
204	61	51	49	46	47	45	101
205	62	10	47	48	49	45	101
206	62	28	48	46	46	44	101
207	62	47	49	46	48	44	101
208	63	5	48	48	48	42	102
209	63	24	49	45	46	43	101
210	63	42	48	45	45	42	101
211	64	1	48	46	48	42	101
212	64	20	48	45	46	44	102
213	64	38	47	47	48	43	102
214	64	57	48	47	48	42	101
215	65	15	46	45	46	44	102
216	65	34	48	45	48	44	101
217	65	52	48	48	45	45	101
218	66	11	46	47	45	43	103
219	66	29	46	47	45	42	102
220	66	48	45	46	45	43	102
221	67	7	45	46	45	44	103
222	67	25	47	46	46	43	102
223	67	44	45	46	46	42	102
224	68	2	48	48	48	44	102
225	68	21	48	48	48	45	103
226	68	39	48	44	46	44	103
227	68	58	49	48	48	44	105
228	69	16	48	45	48	45	102
229	69	35	46	48	46	43	103
230	69	54	48	46	48	45	103
231	70	12	48	47	49	44	103
232	70	31	48	46	46	45	103
233	70	49	48	45	46	45	102
234	71	8	46	47	46	43	102
235	71	26	48	48	45	44	103
236	71	45	48	45	46	44	103
237	72	4	49	46	48	44	103
238	72	22	48	44	46	44	103
239	72	41	46	48	47	42	104
240	72	59	48	46	48	43	105
241	73	18	46	46	44	42	105
242	73	36	46	46	44	43	106
243	*	*	*	*	*	*	*

-06	4-07	4-08	4-09	4-10	4-11	4-12	4-14	4-15
PLT	CENTER	CENTER	1STAGE	1STAGE	1STAGE	2STAGE	2STAGE	2STAGE
SHD	PANEL	PANEL	PUMP	PUMP	AFT	PUMP	AFT	AFCS 1
IDE	WNDSHD	WNDSHD	INLET	OUTLET	SERVO	INLET	SERVO	(COLL.
PER	INSIDE	INSIDE	HYD.	HYD.	HYD IN	HYD.	HYD IN	/YAW
R H	LWR C	UPR C	TEMP	TEMP	TEMP	TEMP	TEMP	CHAN)
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
48	49	46	103	114	85	126	128	132
48	48	45	103	115	85	126	128	131
46	45	43	102	115	83	125	128	131
47	48	45	102	114	83	125	126	132
48	48	45	102	113	83	125	127	130
45	45	43	101	115	83	125	127	130
47	47	45	102	113	82	125	127	130
48	49	45	101	113	82	125	127	130
47	48	44	102	113	82	124	126	129
48	48	45	101	112	82	123	126	130
46	47	45	101	111	82	125	128	130
48	49	45	101	111	82	124	128	130
46	46	44	101	112	82	125	127	130
48	48	44	101	112	82	124	127	129
48	48	42	102	113	81	123	128	129
45	46	43	101	113	82	123	127	129
45	45	42	101	113	82	123	126	129
46	48	42	101	114	83	122	126	128
45	46	44	102	113	84	123	127	128
47	48	43	102	114	84	123	127	129
47	48	42	101	114	85	123	128	128
45	46	44	102	113	84	122	127	128
45	48	44	101	113	83	122	126	128
48	45	45	101	113	83	123	126	128
47	45	43	103	112	82	121	125	128
47	45	42	102	113	84	123	126	128
46	45	43	102	114	83	123	126	128
46	45	44	103	115	85	123	126	129
46	46	43	102	115	85	123	126	128
46	46	42	102	113	85	122	125	128
48	48	44	102	114	85	122	129	128
48	46	45	103	115	83	122	125	129
44	46	44	103	116	85	124	126	130
48	48	44	105	116	86	123	126	129
45	48	45	102	115	85	123	127	130
48	46	43	103	115	85	123	127	130
46	48	45	103	115	84	123	126	129
47	49	44	103	115	85	123	127	130
45	46	45	103	115	83	124	126	129
45	46	45	102	115	83	123	126	130
47	46	43	102	114	84	124	125	130
48	45	44	103	115	83	122	126	129
45	46	44	103	115	83	122	126	129
46	48	44	103	115	84	123	127	129
44	46	44	103	116	85	124	127	129
48	47	42	104	116	85	124	127	129
46	48	43	105	116	87	123	128	130
46	44	42	105	115	87	124	129	130
46	44	43	106	114	87	125	129	132
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
49	14	26	120	134	136	78	75
50	14	45	122	134	136	79	76
51	15	4	122	132	136	78	76
52	15	22	123	130	135	78	77
53	15	41	123	131	135	79	76
54	15	59	124	132	135	79	77
55	16	18	126	132	135	79	76
56	16	36	125	133	136	81	76
57	16	55	124	133	136	81	76
58	17	13	125	133	136	81	75
59	17	32	124	133	137	81	75
60	17	51	124	133	137	82	74
61	18	9	125	133	138	81	75
62	18	28	126	133	138	82	75
63	18	46	126	133	138	82	75
64	19	5	126	133	138	82	74
65	19	24	126	135	139	83	75
66	19	42	126	134	138	83	75
67	20	1	126	133	137	84	75
68	20	19	128	132	138	85	76
69	20	38	128	133	139	85	75
70	20	56	128	133	139	85	76
71	21	15	128	133	139	86	75
72	21	33	128	133	139	86	75
73	21	52	128	133	139	87	75
74	22	11	128	133	139	88	75
75	22	29	128	133	140	88	75
76	22	48	129	133	139	88	76
77	23	6	129	134	13[illegible]	89	75
78	23	25	129	134	140	88	74
79	23	43	129	134	140	88	75
80	24	2	12[illegible]	134	140	88	74
81	24	20	129	134	140	89	74
82	24	39	129	135	140	90	73
83	24	58	129	136	141	89	74
84	25	16	129	135	142	90	74
85	25	35	13[illegible]	135	142	91	74
86	25	53	129	135	142	91	74
87	26	12	130	136	142	91	74
88	26	30	130	135	141	92	74
89	26	49	130	136	141	92	74
90	27	7	130	136	141	92	73
91	27	26	131	136	142	93	73
92	27	45	130	136	142	93	73
93	28	3	130	136	142	93	73

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

4-17 IL. UMP LET D. MP .C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
34	136	78	75	91	127	102	134	137
34	138	79	76	90	131	99	131	132
32	136	78	76	91	130	97	138	133
30	135	78	77	91	130	98	140	138
31	135	79	76	91	130	99	140	138
32	135	79	77	91	130	99	141	139
32	135	79	76	90	131	100	141	140
33	136	81	76	89	131	101	141	140
33	136	81	76	90	130	102	141	140
33	136	81	75	89	131	102	141	140
33	137	81	75	88	131	103	142	140
33	137	82	74	88	131	104	142	140
33	138	81	75	86	131	103	142	139
33	138	82	75	86	130	104	142	140
33	138	82	75	85	130	105	142	140
33	138	82	74	86	130	112	140	140
35	139	83	75	85	132	108	137	136
34	138	83	75	85	132	105	140	136
33	137	84	75	85	132	106	142	139
32	138	85	76	85	132	108	143	140
33	139	85	75	85	132	108	143	140
33	139	85	76	85	132	109	143	141
33	139	86	75	84	133	109	143	140
33	139	86	75	84	132	109	143	141
33	139	87	75	84	132	109	143	141
33	139	88	75	83	133	109	144	141
33	140	88	75	83	132	110	144	141
33	139	88	76	83	132	109	143	141
34	13'	89	75	83	133	110	145	142
34	140	88	74	84	133	109	144	142
34	140	88	75	83	134	110	145	141
34	140	88	74	82	133	111	144	142
34	140	89	74	82	133	111	144	142
35	140	90	73	82	133	110	145	142
36	141	89	74	82	133	111	145	142
35	142	90	74	82	134	111	145	143
35	142	91	74	82	134	111	145	143
35	142	91	74	82	133	111	145	142
36	142	91	74	83	135	111	146	142
35	141	92	74	82	135	112	145	143
36	141	92	74	81	134	111	146	142
36	141	92	73	81	134	112	146	143
36	142	93	73	82	135	111	146	143
36	142	93	73	81	135	112	146	144
36	142	93	73	81	135	112	146	143

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
94	28	22	130	136	144	92	73
95	28	40	130	136	142	93	73
96	28	59	131	136	143	93	72
97	29	17	131	136	143	93	73
98	29	36	131	137	143	94	73
99	29	54	131	136	143	94	72
100	30	13	132	137	143	94	73
101	30	32	131	136	143	94	72
102	30	50	131	137	143	94	73
103	31	9	133	136	142	94	72
104	31	27	132	137	143	95	72
105	31	46	132	137	143	95	72
106	32	4	133	137	142	95	72
107	32	23	132	136	143	95	72
108	32	41	132	128	134	96	72
109	33	0	130	132	140	96	72
110	33	18	132	132	138	96	72
111	33	37	132	133	139	96	72
112	33	49	100	113	113	97	76
113	33	49	98	110	109	97	76
114	33	59	92	101	99	96	76
115	34	18	92	100	100	96	76
116	34	37	91	100	99	96	76
117	34	55	91	99	98	96	76
118	35	14	91	113	107	95	76
119	35	32	91	112	110	95	76
120	35	51	91	109	112	95	76
121	36	10	91	109	114	95	76
122	36	28	92	109	113	96	76
123	36	47	92	110	114	95	76
124	37	5	93	110	115	96	77
125	37	24	93	109	114	95	76
126	37	43	93	110	114	96	76
127	38	1	93	110	115	95	77
128	38	20	103	110	115	95	76
129	38	38	112	110	116	93	76
130	38	57	116	110	115	93	75
131	39	16	118	110	115	92	76
132	39	34	122	111	116	93	75
133	39	53	124	112	116	95	74
134	40	11	126	112	115	94	75
135	40	30	127	113	116	95	75
136	40	49	130	112	117	95	75
137	41	7	129	113	117	95	76
138	41	26	132	113	119	95	76
139	41	44	132	113	118	96	76
140	42	3	134	113	118	96	76
141	42	22	134	114	118	95	76
142	42	40	136	115	119	96	76
143	42	59	135	112	118	96	76

1329

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
136	144	92	73	81	134	112	146	143
136	142	93	73	81	135	112	145	144
136	143	93	72	81	135	113	146	145
136	143	93	73	81	135	113	146	144
137	143	94	73	81	136	112	147	144
136	143	94	72	81	135	113	146	144
137	143	94	73	81	135	112	147	144
136	143	94	72	81	135	113	147	145
137	143	94	73	80	136	113	147	144
136	142	94	72	80	136	112	146	144
137	143	95	72	81	136	113	147	144
137	143	95	72	81	136	113	147	145
137	142	95	72	81	136	113	147	145
136	143	95	72	81	136	113	147	144
128	134	96	72	80	133	112	144	142
132	140	96	72	80	132	112	141	140
132	138	96	72	79	132	112	142	140
133	139	96	72	80	133	112	142	140
113	113	97	76	78	113	108	90	92
110	109	97	76	78	110	106	86	87
101	99	96	76	77	105	102	83	83
100	100	96	76	77	105	101	83	83
100	99	96	76	77	105	101	83	82
99	98	96	76	77	105	101	82	83
113	107	95	76	74	104	101	107	85
112	110	95	76	73	104	101	109	93
109	112	95	76	72	104	101	112	99
109	114	95	76	73	102	103	116	105
109	113	96	76	72	106	103	119	106
110	114	95	76	73	108	102	121	108
110	115	96	77	73	109	103	120	110
109	114	95	76	76	109	103	122	110
110	114	96	76	75	110	102	122	110
110	115	95	77	77	110	102	122	110
110	115	95	76	80	111	102	120	110
110	116	93	76	82	111	102	122	110
110	115	93	75	89	112	102	120	110
110	115	92	76	88	112	101	122	110
111	116	93	75	88	112	102	122	112
112	116	95	74	88	113	103	123	112
112	115	94	75	88	113	102	123	112
113	116	95	75	87	113	103	123	113
112	117	95	75	87	114	102	124	112
113	117	95	76	87	113	103	123	113
113	119	95	76	87	114	102	124	113
113	118	96	76	86	115	102	125	114
113	118	96	76	87	114	107	125	114
114	118	95	76	86	115	106	126	116
115	119	96	76	86	115	105	125	115
112	118	96	7	86	115	103	126	113

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
144	43	17	135	112	116	96	73
145	43	36	136	111	115	96	73
146	43	54	135	111	115	96	73
147	44	13	135	110	115	97	72
148	44	32	136	109	114	97	72
149	44	50	136	110	113	97	71
150	45	9	136	109	113	97	71
151	45	27	138	109	113	98	71
152	45	46	137	108	113	98	71
153	46	4	137	107	113	98	71
154	46	23	138	108	113	98	71
155	46	42	138	108	112	97	71
156	47	0	138	109	112	98	70
157	47	19	137	108	113	98	71
158	47	37	137	108	112	98	70
159	47	56	136	107	112	98	70
160	48	15	138	108	111	99	70
161	48	33	136	107	110	98	69
162	48	52	136	106	110	99	69
163	49	10	136	106	110	98	69
164	49	29	135	107	111	98	69
165	49	47	135	108	111	99	69
166	50	6	134	107	111	98	68
167	50	25	134	107	111	99	68
168	50	43	134	107	111	99	69
169	51	2	133	107	111	99	68
170	51	20	133	107	110	98	69
171	51	39	132	106	111	99	69
172	51	57	131	106	110	99	68
173	52	16	131	105	109	99	67
174	52	35	131	105	109	98	68
175	52	53	131	104	108	98	68
176	53	12	132	103	108	98	67
177	53	30	131	103	107	98	66
178	53	49	131	103	108	98	67
179	54	7	131	103	106	97	66
180	54	26	132	102	106	97	66
181	54	44	131	102	107	96	66
182	55	3	131	102	107	97	67
183	55	22	132	102	106	96	67
184	55	40	131	101	105	97	67
185	55	59	130	101	105	96	66
186	56	17	131	101	105	97	67
187	56	36	130	101	104	96	66
188	56	54	130	101	104	96	66
189	57	13	130	100	105	96	66
190	57	31	130	99	104	96	66
191	57	50	130	100	103	96	66
192	58	9	128	99	104	96	66
193	58	27	128	99	104	95	66

1830

4-17 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
12	116	96	73	85	115	103	124	113
11	115	96	73	84	114	103	124	114
11	115	96	73	83	113	103	124	112
10	115	97	72	83	113	103	123	111
09	114	97	72	81	112	103	123	111
10	113	97	71	81	112	103	122	111
09	113	97	71	80	112	103	122	110
09	113	98	71	80	111	102	121	110
08	113	98	71	79	112	102	121	110
07	113	98	71	79	111	102	122	110
08	113	98	71	78	111	102	120	110
06	112	97	71	78	110	102	122	109
09	112	98	70	77	111	103	120	109
08	113	98	71	78	110	102	120	109
08	112	98	70	76	110	102	120	108
07	112	98	70	76	110	101	119	108
08	111	99	70	75	110	102	119	108
07	110	98	69	75	108	102	119	107
06	110	99	69	74	109	101	118	108
06	110	98	69	74	108	104	125	109
07	111	98	69	74	108	101	122	109
08	111	99	69	72	108	101	120	108
07	111	98	68	73	108	101	120	108
07	111	99	68	73	109	100	120	107
07	111	99	69	72	108	100	119	107
07	111	99	68	71	109	99	119	107
07	110	98	69	73	108	100	119	107
06	111	99	69	72	108	99	118	106
06	110	99	68	72	108	98	118	105
05	109	99	67	71	107	98	118	104
05	109	98	68	70	106	98	117	105
04	108	98	68	70	106	97	117	103
03	108	98	67	70	106	96	116	103
03	107	98	68	69	105	96	115	103
03	108	98	67	69	105	96	115	102
03	106	97	66	68	105	95	115	103
02	106	97	66	68	103	95	115	102
02	107	96	66	68	103	94	114	101
02	107	97	67	69	103	95	114	101
02	106	96	67	68	102	94	113	101
01	105	97	67	68	102	94	114	102
01	105	96	66	68	102	93	113	101
01	105	97	67	69	101	93	113	100
01	104	96	66	67	101	93	113	100
01	104	96	66	66	101	92	113	99
00	105	96	66	67	101	92	113	99
99	104	96	66	67	101	91	113	99
00	103	96	66	68	101	91	112	99
99	104	96	66	67	101	91	111	99
99	104	95	66	67	100	91	112	99

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
194	58	46	130	99	103	95	66
195	59	4	130	99	103	94	65
196	59	23	129	99	103	95	65
197	59	41	129	99	102	95	64
198	60	0	129	98	102	94	64
199	60	18	128	98	102	95	64
200	60	37	128	97	101	94	65
201	60	56	128	97	101	94	65
202	61	14	128	96	101	93	65
203	61	33	126	96	101	94	65
204	61	51	128	96	102	94	64
205	62	10	126	95	103	92	64
206	62	28	127	93	103	94	64
207	62	47	127	92	103	93	64
208	63	5	127	91	102	93	64
209	63	24	127	90	101	93	65
210	63	42	125	90	102	93	65
211	64	1	125	89	101	93	65
212	64	20	125	89	100	93	65
213	64	38	125	89	100	93	66
214	64	57	124	89	100	93	65
215	65	15	123	88	100	93	66
216	65	34	124	88	99	93	66
217	65	52	125	88	99	93	65
218	66	11	124	87	99	93	66
219	66	29	125	86	99	93	66
220	66	48	126	87	98	93	66
221	67	7	125	86	97	92	66
222	67	25	125	86	98	93	66
223	67	44	125	86	98	92	66
224	68	2	125	87	98	92	66
225	68	21	125	86	97	92	66
226	68	39	125	85	99	94	66
227	68	58	126	85	98	93	66
228	69	16	126	84	98	94	66
229	69	35	126	84	98	94	67
230	69	54	128	84	97	94	67
231	70	12	126	84	98	93	66
232	70	31	127	83	97	93	66
233	70	49	127	83	97	93	66
234	71	8	127	83	96	93	66
235	71	26	127	83	96	93	66
236	71	45	126	83	96	93	66
237	72	4	126	84	96	93	66
238	72	22	126	83	96	94	66
239	72	41	126	83	95	93	67
240	72	59	126	83	93	93	67
241	73	16	127	85	93	93	66
242	73	36	127	83	94	94	67

4-17 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
99	103	95	66	67	101	89	112	99
99	103	94	65	66	101	89	112	99
99	103	95	65	66	100	89	111	98
99	102	95	64	66	99	89	111	98
98	102	94	64	66	99	88	110	97
98	102	95	64	66	99	88	110	96
97	101	94	65	66	98	89	109	96
97	101	94	65	66	98	88	109	96
96	101	93	65	66	97	88	110	96
96	101	94	65	66	94	88	100	85
96	102	94	64	65	93	86	109	82
95	103	92	64	65	94	87	110	82
93	103	94	64	65	92	87	110	83
92	103	93	64	65	92	87	110	82
91	102	93	64	66	91	86	111	84
90	101	93	65	66	92	87	111	84
90	102	93	65	66	91	87	111	85
89	101	93	65	66	91	87	111	85
89	100	93	65	67	91	87	111	84
89	100	93	66	67	91	88	111	85
89	100	93	65	68	90	87	109	83
88	100	93	66	68	89	86	111	83
88	99	93	66	68	89	86	110	83
88	99	93	65	68	89	87	110	82
87	99	93	66	68	89	87	109	83
86	99	93	66	68	89	87	109	84
87	98	93	66	67	89	87	109	85
86	97	92	66	68	89	87	109	85
86	98	93	66	66	88	86	109	84
85	98	92	66	68	88	88	109	82
87	98	92	66	68	88	87	109	82
86	97	92	66	68	88	87	109	81
85	99	94	68	68	89	87	110	83
85	98	93	66	68	88	88	110	82
84	98	94	66	68	89	88	110	83
84	98	94	67	68	88	88	110	83
84	97	94	67	67	88	88	110	82
84	98	93	66	68	88	88	110	82
83	97	93	66	68	87	88	109	82
83	97	93	66	68	87	88	109	82
83	96	93	66	68	87	88	109	81
83	96	93	66	67	88	88	108	81
83	96	93	66	67	87	88	109	83
84	96	93	66	68	87	88	108	85
83	96	94	66	67	88	87	109	86
83	95	93	67	67	87	88	109	86
83	93	93	67	68	88	88	110	86
85	93	93	68	68	88	88	108	86
83	94	94	67	69	87	88	108	86
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	E N. CC 1 (
49	14	29	81	70	76	68	75	
50	14	47	81	89	79	68	75	
51	15	6	83	92	91	68	75	
52	15	24	87	95	93	68	75	
53	15	43	91	97	95	67	75	
54	16	1	93	99	98	66	75	
55	16	20	95	102	98	64	78	
56	16	29	97	103	99	64	79	
57	16	57	98	106	100	61	79	
58	17	16	99	109	98	61	81	
59	17	34	99	113	97	58	84	
60	17	53	98	118	98	56	86	
61	18	11	98	120	99	55	89	
62	18	30	98	120	100	55	91	
63	18	48	99	122	102	55	93	
64	19	7	101	123	102	55	96	
65	19	26	101	125	103	55	97	
66	19	44	103	126	105	55	99	
67	20	3	104	127	105	55	99	
68	20	21	106	130	107	56	102	
69	20	40	108	130	108	56	103	
70	20	59	107	130	107	57	103	
71	21	17	107	130	105	58	102	
72	21	36	106	129	106	57	102	
73	21	54	106	128	106	58	102	
74	22	13	106	127	104	59	101	
75	22	31	105	127	104	57	101	
76	22	50	103	127	106	58	102	
77	23	8	104	126	104	58	101	
78	23	27	104	127	103	98	100	
79	23	46	104	126	102	57	100	
80	24	4	103	126	101	57	100	
81	24	23	102	125	102	57	99	
82	24	41	102	125	101	57	99	
83	25	0	101	124	101	57	99	
84	25	18	100	123	100	56	98	
85	25	37	99	123	100	57	98	
86	25	55	99	123	98	56	99	
87	26	14	97	122	96	57	97	
88	26	32	96	120	98	57	97	
89	26	51	96	120	93	57	97	
90	27	10	96	120	98	58	97	
91	27	28	95	120	97	56	97	
92	27	47	96	120	98	56	97	
93	28	5	97	120	99	56	96	

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
70	76	68	75	76	73	75	71	76
89	79	68	75	75	73	75	71	75
92	91	68	75	75	73	74	72	75
95	93	68	75	75	73	75	71	75
97	95	67	75	75	73	74	71	76
99	98	66	75	76	74	75	71	75
102	98	64	78	78	73	75	71	75
103	99	64	79	78	73	74	71	75
106	100	61	79	80	73	75	71	75
109	98	61	81	81	74	75	71	76
113	97	58	84	86	74	75	71	75
116	98	56	86	93	72	75	71	75
120	99	55	89	99	73	74	71	76
120	100	55	91	103	73	75	71	75
122	102	55	93	107	74	75	70	75
123	102	55	96	110	73	74	70	75
125	103	55	97	113	75	76	90	79
126	105	55	99	115	78	78	92	83
127	105	55	99	117	79	82	94	86
130	107	56	102	121	82	86	99	87
130	108	56	103	122	85	93	101	90
130	107	57	103	122	90	98	105	93
130	105	58	102	122	93	103	108	94
129	106	57	102	122	95	108	111	97
128	106	58	102	122	96	110	113	97
127	104	59	101	122	97	114	115	98
127	104	57	101	122	100	115	116	100
127	106	58	102	122	102	118	118	100
126	104	58	101	122	102	120	119	98
127	103	58	100	122	103	120	119	98
126	102	57	100	122	103	122	118	100
126	101	57	100	122	105	123	119	98
125	102	57	99	121	105	124	119	100
125	101	57	99	120	105	125	120	102
124	101	57	99	120	105	126	121	102
123	100	56	98	120	106	126	122	95
123	100	57	98	120	106	126	120	95
123	96	56	99	120	107	127	119	102
122	96	57	97	119	106	127	118	101
120	98	57	97	118	106	126	117	98
120	93	57	97	119	107	126	116	103
120	98	58	97	119	106	126	118	104
120	97	56	97	118	106	128	120	103
120	98	56	97	119	107	128	120	103
120	99	56	96	118	106	128	122	102

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	S-06 ENG.1 OIL COOLER INLET OIL DEG.C	S-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	S-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	S-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
94	28	24	98	120	98	57	96
95	28	42	98	121	98	56	97
96	29	1	98	121	98	56	97
97	29	19	98	120	98	57	96
98	29	38	98	121	98	56	97
99	29	57	98	120	98	56	96
100	30	15	98	120	97	56	96
101	30	34	98	120	98	57	95
102	30	52	98	120	98	56	96
103	31	11	98	121	98	56	96
104	31	29	98	120	98	56	95
105	31	48	98	120	98	56	96
106	32	6	97	120	98	56	96
107	32	25	98	120	98	57	96
108	32	43	98	120	97	56	95
109	33	2	98	120	100	56	98
110	33	21	98	118	101	57	99
111	33	39	98	117	102	57	97
112	33	49	101	96	114	73	100
113	33	49	101	95	115	75	99
114	34	1	101	88	110	76	95
115	34	20	101	88	110	76	95
116	34	39	101	87	109	76	95
117	34	57	100	87	109	76	95
118	35	16	100	87	109	76	95
119	35	35	100	87	109	77	95
120	35	53	100	87	109	76	95
121	36	12	101	87	109	78	95
122	36	30	100	88	109	78	93
123	36	49	101	88	109	77	95
124	37	8	100	87	110	77	95
125	37	26	100	88	108	78	94
126	37	45	101	88	109	78	94
127	38	3	101	87	109	78	95
128	38	22	100	88	109	79	93
129	38	41	100	87	109	77	94
130	38	59	99	87	108	77	93
131	39	18	100	86	108	78	93
132	39	36	100	87	108	78	93
133	39	55	100	87	108	78	93
134	40	14	99	87	108	77	94
135	40	32	100	87	108	78	93
136	40	51	100	88	106	78	93
137	41	9	100	87	108	78	93
138	41	28	101	86	107	79	92
139	41	47	99	87	108	78	93
140	42	5	100	88	105	78	93
141	42	24	99	118	102	79	92
142	42	42	101	118	116	79	92
143	43	1	106	118	113	76	9

-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
LER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
LET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
C.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
20	98	57	96	119	106	128	123	103
21	98	56	97	119	105	128	122	103
21	98	56	97	118	106	128	123	103
20	98	57	96	119	106	128	123	104
21	98	56	97	118	105	128	123	104
20	98	56	96	118	105	128	122	103
20	97	56	96	118	106	128	123	103
20	98	57	95	118	106	128	123	103
20	98	56	96	118	106	128	123	103
21	98	56	96	118	105	128	123	103
20	98	56	95	118	105	128	123	105
20	98	56	96	117	106	127	123	103
20	98	56	96	116	106	127	123	104
20	98	57	96	117	106	127	123	104
20	97	56	95	117	105	128	123	102
20	100	56	98	117	105	127	123	103
18	101	57	99	115	107	125	122	105
17	102	57	97	113	105	121	120	108
96	114	73	100	103	99	99	87	86
95	115	75	99	101	96	96	84	85
98	110	76	95	97	92	93	81	93
98	110	76	95	97	91	95	81	93
97	109	76	95	97	91	93	80	92
97	109	76	95	96	91	92	81	93
97	109	76	95	97	90	92	80	93
97	109	77	95	96	90	92	80	94
97	109	76	95	96	90	92	80	94
97	109	78	95	96	91	92	81	94
98	109	78	93	96	91	92	81	95
98	109	77	95	96	90	93	81	95
97	110	77	95	97	90	92	80	95
97	108	78	94	96	90	92	80	95
98	109	78	94	96	90	92	80	96
98	109	78	95	95	90	92	79	96
98	109	79	93	96	90	92	79	96
98	109	77	94	96	89	92	80	95
98	108	77	93	96	89	92	79	96
98	108	78	93	95	89	92	79	96
97	108	78	93	96	89	91	80	96
98	108	78	93	95	88	91	78	95
98	108	77	94	95	88	91	79	95
98	108	78	93	95	88	91	78	95
98	108	78	93	95	89	90	79	96
98	108	78	93	95	88	90	79	95
98	107	79	92	94	88	90	79	96
98	108	78	93	95	88	91	79	96
98	105	78	93	94	88	89	79	95
98	102	79	92	94	88	90	78	95
98	116	79	92	99	89	89	78	95
98	113	76	9	100	87	90	77	94

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5- EN N.G COO IN DE
144	43	19	109	119	113	76	95	1
145	43	38	112	122	114	75	96	1
146	43	57	113	125	105	70	91	1
147	44	15	111	127	104	65	91	1
148	44	34	109	125	106	65	92	1
149	44	52	107	123	108	65	92	1
150	45	11	107	122	108	64	91	1
151	45	29	107	122	108	63	91	1
152	45	48	108	122	106	64	89	
153	46	7	108	121	106	63	88	
154	46	25	108	120	106	62	87	
155	46	44	107	120	110	62	89	
156	47	2	107	121	109	62	89	
157	47	21	108	125	99	59	85	
158	47	40	105	126	98	58	86	1
159	47	58	102	125	98	57	88	1
160	48	17	100	124	98	56	90	
161	48	35	99	124	99	55	91	
162	48	54	99	124	98	55	92	
163	49	12	98	123	98	56	93	
164	49	31	98	123	98	55	94	
165	49	50	98	123	98	55	94	
166	50	8	99	123	98	55	94	
167	50	27	98	123	98	55	95	
168	50	45	99	123	98	55	95	
169	51	4	98	122	97	55	95	
170	51	22	98	122	97	56	95	
171	51	41	98	121	97	56	93	
172	52	0	97	122	98	55	95	
173	52	18	98	123	99	55	96	
174	52	37	98	125	99	55	96	
175	52	55	99	125	101	55	96	
176	53	14	100	125	101	54	97	
177	53	32	100	126	101	54	97	
178	53	51	101	127	101	55	97	
179	54	10	102	127	102	55	98	
180	54	28	102	126	102	54	98	
181	54	47	102	127	102	55	98	
182	55	5	103	128	103	54	99	
183	55	24	103	129	103	54	99	
184	55	42	103	130	103	54	99	
185	56	1	104	129	103	55	99	
186	56	19	103	129	103	55	99	
187	56	38	103	129	103	54	99	
188	56	57	103	129	103	54	100	
189	57	15	103	129	103	54	99	
190	57	34	103	129	102	54	98	
191	57	52	103	129	102	54	98	
192	58	11	104	129	102	54	98	
193	58	29	103	129	102	55	98	

-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
NG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
OLER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
LET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
19	113	76	95	101	88	89	78	95
22	114	75	96	100	88	91	78	96
25	105	70	91	102	87	89	78	96
27	104	65	91	104	87	89	79	95
25	106	65	92	103	87	89	77	96
23	108	65	92	102	86	89	77	95
22	108	64	91	101	87	88	78	95
22	108	63	91	101	86	88	78	95
22	106	64	89	99	86	89	77	94
21	106	63	88	99	86	87	78	94
20	106	62	87	98	86	88	76	95
20	110	62	89	98	85	88	78	93
21	109	62	89	96	85	88	77	94
25	99	59	85	98	85	87	78	94
26	98	58	86	102	85	87	77	93
25	98	57	88	106	85	87	77	93
24	98	56	90	108	84	86	76	93
24	99	55	91	110	85	86	76	93
24	98	55	92	112	83	86	76	93
23	98	56	93	113	83	86	103	71
23	98	55	94	114	83	95	110	92
23	98	55	94	115	85	95	103	91
23	98	55	94	116	84	97	109	89
23	98	55	95	118	87	99	109	89
23	98	55	95	117	88	102	111	91
22	97	55	95	117	90	105	110	92
22	97	56	95	117	92	108	112	92
1	97	56	93	116	92	111	113	92
22	98	55	95	118	95	112	114	94
23	99	55	96	118	96	115	116	96
25	99	55	96	119	97	117	117	97
25	101	55	96	120	98	119	118	98
25	101	54	97	120	100	120	120	98
26	101	54	97	120	101	122	121	99
27	101	55	97	120	101	122	122	100
27	102	55	98	122	102	123	122	102
28	102	54	98	122	102	125	123	102
27	102	55	98	123	103	126	124	102
28	103	54	99	123	103	126	125	102
29	103	54	99	123	103	127	125	103
30	103	54	99	124	103	127	126	103
29	103	55	99	124	105	128	126	103
29	103	55	99	124	104	127	126	105
29	103	54	99	123	104	128	127	103
29	103	54	100	123	105	128	126	103
29	103	54	99	123	105	128	127	104
29	102	54	98	124	103	128	127	103
29	102	54	98	125	104	129	126	104
29	102	54	98	124	104	128	128	103
29	102	55	98	123	103	128	126	103

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	S-06 ENG.1 OIL COOLER INLET OIL DEG.C	S-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	S-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	S-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
194	58	48	103	129	102	54	98
195	59	6	102	129	102	54	98
196	59	25	102	128	101	54	98
197	59	44	101	129	102	54	97
198	60	2	101	128	101	54	98
199	60	21	101	128	102	54	98
200	60	39	102	128	101	55	97
201	60	58	102	128	101	54	97
202	61	16	101	128	101	54	97
203	61	35	102	129	102	54	98
204	61	53	101	128	101	54	97
205	62	12	101	127	101	54	97
206	62	30	101	129	101	54	98
207	62	49	101	127	101	54	98
208	63	8	101	126	100	55	98
209	63	26	101	125	100	55	99
210	63	45	101	124	99	56	98
211	64	3	100	123	99	56	96
212	64	22	100	123	98	56	96
213	64	40	99	122	98	56	97
214	64	59	98	122	98	56	95
215	65	17	98	124	99	54	95
216	65	36	99	126	101	54	95
217	65	54	101	128	101	54	96
218	66	13	100	126	100	55	96
219	66	32	101	124	100	55	97
220	66	50	100	124	99	56	97
221	67	9	100	123	98	55	96
222	67	27	99	126	99	55	96
223	67	46	100	127	101	54	97
224	68	4	101	128	102	55	97
225	68	23	101	129	103	53	98
226	68	41	104	132	104	55	99
227	69	0	104	132	105	55	99
228	69	19	104	133	105	55	100
229	69	37	105	133	105	55	101
230	69	56	105	133	106	55	100
231	70	14	105	134	107	55	101
232	70	33	106	134	107	55	101
233	70	51	107	135	106	55	101
234	71	10	107	134	107	55	101
235	71	29	107	134	106	55	102
236	71	47	107	132	105	57	102
237	72	6	106	131	105	56	103
238	72	24	105	130	106	56	103
239	72	43	106	130	107	56	103
240	73	1	106	130	106	57	103
241	73	20	107	128	109	56	104
242	73	38	107	126	113	56	105
243	*	*	*	*	*	*	*

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-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
LER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
LET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
29	102	54	98	124	103	129	126	103
29	102	54	98	123	103	128	127	103
28	101	54	98	123	103	128	126	102
29	102	54	97	123	103	128	126	103
28	101	54	98	122	104	128	126	102
28	102	54	98	122	104	129	126	103
28	101	55	97	123	104	129	125	103
28	101	54	97	123	103	128	126	103
28	101	54	97	123	105	128	126	102
29	102	54	98	122	104	128	126	102
28	101	54	97	122	103	128	126	102
27	101	54	97	122	103	128	126	101
29	101	54	98	122	104	127	126	102
27	101	54	98	122	104	128	126	103
26	100	55	98	122	105	128	125	101
25	100	55	99	120	105	127	125	103
24	99	56	98	120	105	126	124	102
23	99	56	96	120	104	128	123	102
23	98	56	96	119	105	127	124	102
22	98	56	97	119	104	126	123	102
22	98	56	95	118	103	126	123	102
24	99	54	95	119	104	127	125	102
26	101	54	95	120	104	128	127	103
28	101	54	96	121	104	128	128	104
26	100	55	98	122	105	128	126	104
24	100	55	97	120	106	128	125	104
24	99	56	97	119	105	128	124	103
23	98	55	96	119	103	126	124	101
26	99	55	96	120	101	123	122	99
27	101	54	97	121	99	122	121	97
28	102	55	97	122	97	119	119	96
29	103	53	99	125	98	118	119	97
32	104	55	99	125	96	116	119	96
32	105	55	99	126	96	116	117	96
33	105	55	100	126	95	114	116	94
33	105	55	101	127	94	113	116	94
33	106	55	100	127	93	112	115	93
34	107	55	101	126	93	112	113	93
34	107	55	101	128	93	110	114	92
35	106	55	101	128	92	110	113	92
34	107	55	101	127	93	110	113	92
34	106	55	102	128	93	110	112	93
32	105	57	102	127	93	109	112	94
31	105	56	103	126	93	109	112	95
30	106	56	103	126	95	108	112	97
30	107	56	103	126	95	107	112	97
30	106	57	103	125	93	105	111	99
28	109	58	104	123	96	104	110	105
26	113	58	105	121	96	105	109	105
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-15 ACCESS GEAR BOX OIL TEMP DEG.C	S-16 MAIN G.BOX COOLER INLET OIL DEG.C	S-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	S-18 INTER. GEAR BOX OIL TEMP DEG.C	S-19 TAIL GEAR BOX OIL TEMP DEG.C
49	14	29	110	71	73	62	85
50	14	47	110	71	72	63	86
51	15	6	112	71	72	62	86
52	15	24	112	71	73	62	86
53	15	43	113	71	72	62	86
54	16	1	114	73	73	62	86
55	16	20	115	83	77	63	86
56	16	29	115	85	82	63	86
57	16	57	116	86	83	64	86
58	17	16	117	86	84	64	88
59	17	34	117	86	84	65	88
60	17	53	118	86	83	65	89
61	18	11	118	88	83	66	90
62	18	30	119	88	84	66	91
63	18	48	119	90	85	66	91
64	19	7	119	91	84	68	92
65	19	26	119	91	85	68	93
66	19	44	119	92	86	69	93
67	20	3	120	93	86	69	94
68	20	21	121	94	89	70	95
69	20	40	121	95	88	71	95
70	20	59	122	96	89	71	95
71	21	17	122	96	88	71	95
72	21	36	122	97	89	72	96
73	21	54	122	97	88	72	96
74	22	13	122	98	89	73	96
75	22	31	123	98	89	73	96
76	22	50	123	98	88	73	97
77	23	8	123	99	89	74	97
78	23	27	123	99	88	74	97
79	23	46	123	99	88	74	98
80	24	4	123	99	89	75	98
81	24	23	123	99	89	76	98
82	24	41	124	99	88	75	98
83	25	0	124	100	89	76	98
84	25	18	125	101	89	76	99
85	25	37	124	100	88	76	98
86	25	55	125	100	88	77	99
87	26	14	125	101	89	77	99
88	26	32	125	101	88	77	99
89	26	51	125	101	88	78	99
90	27	10	126	102	88	77	99
91	27	28	125	101	88	78	99
92	27	47	126	101	88	78	99
93	28	5	125	101	88	78	98

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

[illegible]-16 MAIN BOX COOLER OUTLET OIL G.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
71	73	62	85	93	78	44	46	47
71	72	63	86	93	80	44	46	48
71	72	62	86	94	80	44	46	48
71	73	62	86	95	80	45	46	48
71	72	62	86	95	79	44	47	48
73	73	62	86	96	79	44	46	48
83	77	63	86	96	81	44	47	48
85	82	63	86	97	80	44	46	48
86	83	64	86	97	81	44	46	48
86	84	64	88	97	81	44	47	48
86	84	65	88	97	81	44	46	48
86	83	65	89	97	83	44	46	48
88	83	66	90	97	82	44	47	48
88	84	66	91	98	82	44	48	49
90	85	66	91	99	82	44	48	49
91	84	68	92	99	83	44	48	49
91	85	68	93	99	82	45	48	49
92	86	69	93	100	83	45	48	50
93	86	69	94	100	84	45	48	50
94	89	70	95	102	85	45	49	50
95	88	71	95	103	85	45	48	50
96	89	71	95	102	85	45	48	50
96	88	71	95	103	85	45	49	51
97	89	72	96	103	84	45	48	51
97	88	72	96	103	85	46	49	51
98	89	73	96	104	85	46	49	51
98	89	73	96	104	84	46	49	52
98	88	73	97	105	83	46	49	52
99	89	74	97	105	83	46	49	52
99	88	74	97	105	83	46	49	52
99	88	74	98	105	82	46	50	51
99	89	75	98	105	82	46	50	51
99	89	76	98	105	82	47	49	52
99	88	75	98	106	82	46	50	51
100	89	76	98	106	81	46	51	52
101	89	76	98	105	81	47	51	52
100	88	76	98	105	80	47	50	52
100	88	77	99	105	80	46	50	52
101	89	77	99	106	79	48	50	53
101	88	77	99	105	78	46	51	52
101	88	78	99	106	78	47	50	53
102	88	77	99	106	79	47	51	52
101	88	78	99	106	78	47	51	53
101	88	78	99	106	79	47	51	53
101	88	78	98	106	77	46	51	52

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-15 ACCESS GEAR BOX OIL TEMP DEG.C	S-16 MAIN G.BOX COOLER INLET OIL DEG.C	S-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	S-18 INTER. GEAR BOX OIL TEMP DEG.C	S-19 TAIL GEAR BOX OIL TEMP DEG.C
94	28	24	126	101	88	78	99
95	28	42	126	102	88	79	99
96	29	1	126	102	89	79	99
97	29	19	126	102	88	79	99
98	29	38	126	102	88	79	99
99	29	57	126	101	88	79	99
100	30	15	127	101	89	80	99
101	30	34	126	102	88	79	99
102	30	52	128	102	88	79	98
103	31	11	127	102	89	80	99
104	31	29	127	102	88	80	99
105	31	48	127	102	88	80	98
106	32	6	127	102	88	80	99
107	32	25	127	102	88	80	99
108	32	43	127	102	88	80	99
109	33	2	128	102	88	80	98
110	33	21	128	102	90	81	98
111	33	39	128	101	90	81	98
112	33	49	105	86	86	71	82
113	33	49	102	85	85	71	82
114	34	1	98	81	81	69	74
115	34	20	97	80	81	69	74
116	34	39	97	80	81	70	75
117	34	57	99	80	80	70	74
118	35	16	113	80	80	69	74
119	35	35	115	79	80	70	74
120	35	53	116	79	80	69	73
121	36	12	116	79	79	70	79
122	36	30	118	79	81	69	79
123	36	49	118	80	79	70	79
124	37	8	119	79	80	70	79
125	37	26	120	79	80	70	79
126	37	45	121	79	79	70	79
127	38	3	120	79	80	69	79
128	38	22	122	78	80	68	79
129	38	41	123	78	79	69	79
130	38	59	124	78	79	68	79
131	39	18	125	78	79	68	79
132	39	36	124	78	78	69	79
133	39	55	125	78	78	69	78
134	40	14	125	78	78	68	78
135	40	32	126	78	78	68	78
136	40	51	126	77	78	67	78
137	41	9	127	77	78	68	78
138	41	28	128	77	78	66	78
139	41	47	129	78	77	68	78
140	42	5	129	78	78	68	78
141	42	24	129	78	77	68	77
142	42	42	130	91	79	70	79
143	43	1	130	94	86	70	7

5-16 MAIN BOX OLER LET OIL G.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
101	88	78	99	106	76	46	51	52
102	88	79	99	106	76	47	51	53
102	89	79	99	106	76	47	51	53
102	88	79	99	107	76	47	51	53
102	88	79	99	106	75	47	51	54
101	88	79	99	107	75	46	51	54
101	89	80	99	107	74	47	51	53
102	88	79	99	107	74	48	51	54
102	88	79	98	107	73	47	51	54
102	89	80	99	107	73	48	51	54
102	88	80	99	107	73	48	51	54
102	88	80	98	107	72	48	51	53
102	88	80	99	107	72	48	51	53
102	88	80	99	107	72	48	50	52
102	88	80	99	107	72	48	50	52
102	88	80	98	107	72	48	51	52
102	90	81	98	108	72	48	50	52
101	90	81	98	108	72	48	49	52
96	86	71	82	111	72	48	49	51
95	85	71	82	109	70	48	49	51
81	81	69	74	108	69	48	49	50
80	81	69	74	107	69	48	49	50
80	81	70	75	106	69	48	49	51
80	80	70	74	106	70	48	50	50
80	80	69	74	106	69	48	49	50
79	80	70	74	105	69	48	49	50
79	80	69	73	105	69	48	49	49
79	79	70	79	106	69	48	49	49
79	81	69	79	106	70	48	49	50
80	79	70	79	105	69	48	49	50
79	80	70	79	105	70	48	49	50
79	80	70	79	106	70	48	49	50
79	79	70	79	107	71	48	49	50
79	80	69	79	108	70	48	49	50
78	80	68	79	107	70	48	49	51
78	79	69	79	107	69	48	49	50
78	79	68	79	107	71	48	49	50
78	79	68	79	108	71	48	49	50
78	78	69	79	108	70	48	48	50
78	78	69	78	108	71	47	49	50
78	78	68	78	108	71	47	49	50
78	78	68	78	109	72	48	49	49
77	78	67	78	110	71	48	49	49
77	78	68	78	109	72	48	49	49
77	78	68	78	110	71	48	48	50
78	77	68	78	111	71	48	49	50
78	78	68	78	110	71	48	49	49
78	77	68	77	111	72	47	48	50
91	79	70	79	111	71	48	49	49
94	86	70	7	112	73	48	49	49

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-15 ACCESS GEAR BOX OIL TEMP DEG.C	S-16 MAIN G.BOX COOLER INLET OIL DEG.C	S-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	S-18 INTER. GEAR BOX OIL TEMP DEG.C	S-19 TAIL GEAR BOX OIL TEMP DEG.C
144	43	19	130	94	88	70	80
145	43	38	131	94	88	71	80
146	43	57	130	94	86	71	80
147	44	15	130	94	87	70	82
148	44	34	132	94	88	71	82
149	44	52	132	93	88	70	82
150	45	11	133	94	87	70	82
151	45	29	133	94	86	70	82
152	45	48	134	93	86	70	82
153	46	7	133	93	86	70	81
154	46	25	134	92	86	70	82
155	46	44	134	93	86	70	81
156	47	2	135	92	87	70	82
157	47	21	134	93	85	70	82
158	47	40	135	93	83	70	82
159	47	58	135	92	83	71	83
160	48	17	134	93	83	71	84
161	48	35	133	94	83	71	84
162	48	54	134	94	83	71	85
163	49	12	133	95	83	71	85
164	49	31	133	95	84	72	85
165	49	50	133	95	83	71	86
166	50	8	133	96	85	73	85
167	50	27	133	96	85	73	86
168	50	45	132	97	85	73	86
169	51	4	132	96	85	73	86
170	51	22	132	97	86	73	86
171	51	41	132	97	85	73	87
172	52	0	132	97	83	74	87
173	52	18	131	98	83	73	88
174	52	37	130	98	83	74	87
175	52	55	130	99	84	74	88
176	53	14	130	99	85	75	87
177	53	32	130	100	85	75	88
178	53	51	130	101	84	75	88
179	54	10	130	101	85	76	88
180	54	28	129	102	85	75	88
181	54	47	129	102	85	75	89
182	55	5	129	102	86	75	89
183	55	24	128	103	86	76	89
184	55	42	128	103	86	76	89
185	56	1	128	104	86	76	89
186	56	19	128	104	86	77	90
187	56	38	128	104	86	76	89
188	56	57	127	104	86	77	89
189	57	15	127	104	86	76	90
190	57	34	127	104	86	76	90
191	57	52	126	105	86	77	90
192	58	11	126	105	87	76	91
193	58	29	126	106	86	77	91

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-16	5-17	5-18	5-19	5-20	5-21	5-22	5-23	5-24
AIN	MAIN	INTER.	TAIL	GEN.1	FUEL	L.ELEC	L.ELEC	L.ELEC
BOX	G.BOX	GEAR	GEAR	MASS	TEMP.	COMPT	COMPT	COMPT
LER	COOLER	BOX	BOX	TEMP	TO	TOPCTR	BTM RT	BTMLFT
LET	OUTLET	OIL	OIL		COMBST	AIR	AIR	AIR
OIL	OIL	TEMP	TEMP		HEATER	TEMP	TEMP	TEMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
94	88	70	80	112	73	48	49	50
94	88	71	80	112	74	48	48	50
94	86	71	80	110	73	48	49	50
94	87	70	82	111	73	48	49	49
94	88	71	82	112	73	48	49	50
93	88	70	82	112	75	48	49	50
94	87	70	82	111	74	48	49	50
94	86	70	82	111	76	48	48	50
93	86	70	82	112	76	48	49	50
93	86	70	81	111	75	48	48	49
92	86	70	82	112	76	48	49	50
93	86	70	81	112	76	48	49	49
92	87	70	82	112	77	48	49	49
93	85	70	82	112	76	48	49	49
93	83	70	82	112	77	48	49	50
92	83	71	83	111	77	48	49	49
93	83	71	84	110	76	48	48	49
94	83	71	84	110	76	48	49	50
94	83	71	85	109	76	48	48	50
95	83	71	85	109	77	48	49	50
95	84	72	85	109	76	48	49	50
95	83	71	86	109	76	48	49	50
96	85	73	85	109	78	48	49	50
96	85	73	86	108	76	48	49	49
97	85	73	86	108	77	48	49	50
95	85	73	86	109	75	48	49	50
97	86	73	86	107	76	48	49	50
97	85	73	87	108	75	48	49	50
97	83	74	87	107	74	48	49	51
98	83	73	88	108	74	49	49	50
98	83	74	87	107	73	49	49	50
99	84	74	88	107	73	48	49	51
99	85	75	87	106	73	49	49	50
00	85	74	88	106	71	50	49	50
01	84	75	88	106	71	49	49	50
01	85	76	88	105	71	49	49	51
02	85	75	89	105	71	50	49	50
02	85	76	89	104	70	49	49	51
02	85	75	89	105	70	50	49	51
03	86	75	89	103	69	50	49	50
03	86	76	89	105	70	50	49	51
04	86	76	89	104	68	50	49	51
04	86	77	90	103	69	50	49	51
04	86	76	89	103	67	51	49	51
04	86	77	89	103	68	50	49	51
04	86	76	90	103	67	49	50	51
04	86	76	90	103	66	50	49	51
05	86	77	90	103	66	50	49	51
05	87	76	91	103	65	50	49	51
06	86	77	91	102	66	50	49	51

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
194	58	48	125	106	86	77	91
195	59	6	126	106	86	77	91
196	59	25	125	106	86	78	90
197	59	44	126	106	87	77	90
198	60	2	125	106	87	77	91
199	60	21	124	106	86	77	91
200	60	39	125	107	86	77	90
201	60	58	124	107	86	77	91
202	61	16	124	106	85	77	91
203	61	35	124	107	86	77	90
204	61	53	124	106	85	77	91
205	62	12	124	106	85	77	91
206	62	30	123	106	86	77	91
207	62	49	124	107	86	77	91
208	63	8	123	107	87	77	90
209	63	26	123	106	88	77	91
210	63	45	123	106	90	77	91
211	64	3	123	105	88	78	91
212	64	22	122	105	87	78	91
213	64	40	123	105	87	78	90
214	64	59	122	104	85	78	91
215	65	17	122	104	87	77	92
216	65	36	122	105	86	77	91
217	65	54	121	106	85	78	91
218	66	13	122	107	88	78	91
219	66	32	122	105	88	78	91
220	66	50	122	105	88	79	91
221	67	9	122	105	87	78	91
222	67	27	120	105	86	78	91
223	67	46	120	105	85	77	91
224	68	4	120	104	85	78	91
225	68	23	122	105	87	78	92
226	68	41	122	105	87	77	92
227	69	0	121	105	87	77	91
228	69	19	121	106	86	77	92
229	69	37	121	105	87	77	92
230	69	56	120	105	87	77	92
231	70	14	121	105	86	77	91
232	70	33	121	105	86	77	92
233	70	51	120	105	86	77	91
234	71	10	121	105	87	77	91
235	71	29	120	105	88	77	92
236	71	47	120	105	89	78	91
237	72	6	120	105	90	78	92
238	72	24	120	105	90	79	91
239	72	43	121	104	89	78	92
240	73	1	120	104	90	78	91
241	73	20	120	104	91	79	91
242	73	38	121	103	91	79	91
243	*	*	*	*	*	*	

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5-16 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
106	86	77	91	102	66	50	49	51
106	86	77	91	102	66	50	50	51
106	86	78	90	101	65	49	50	51
106	87	77	90	102	63	50	49	50
106	87	77	91	101	64	50	49	51
106	86	77	91	101	63	50	49	51
107	86	77	90	101	64	51	49	51
107	86	77	91	101	64	51	49	51
106	85	77	91	101	62	50	49	50
107	86	77	90	100	63	50	49	51
106	85	77	91	101	63	51	49	51
106	85	77	91	99	62	50	49	51
106	86	77	91	101	61	50	49	51
107	86	77	91	100	61	50	49	50
107	87	77	90	100	61	49	50	51
106	88	77	91	100	61	50	49	50
106	90	77	91	101	61	49	50	51
105	88	78	91	101	61	50	49	51
105	87	78	91	101	62	49	50	51
105	87	78	90	101	61	49	50	50
104	85	78	91	101	61	49	49	51
104	87	77	92	101	61	50	49	51
105	86	77	91	100	61	50	49	51
106	85	78	91	100	62	50	50	51
107	88	78	91	100	60	50	49	50
105	88	78	91	100	61	50	50	51
105	88	79	91	100	61	50	49	50
105	87	78	91	100	60	49	50	50
105	86	78	91	101	60	50	49	51
105	85	77	91	101	61	50	49	50
104	85	78	91	100	59	50	49	50
105	87	78	92	101	60	50	49	51
105	87	77	92	102	62	51	49	51
105	87	77	91	101	61	50	50	51
106	86	77	92	100	61	50	50	50
105	87	77	92	100	61	50	50	51
105	87	77	92	100	62	51	50	51
105	86	77	91	99	60	51	50	51
105	86	77	92	99	61	51	49	51
105	86	77	91	100	60	51	50	51
105	87	77	91	99	61	50	50	51
105	88	77	92	99	61	51	49	50
105	89	78	91	99	60	50	50	51
105	90	78	92	99	61	50	50	50
105	90	79	91	100	59	50	49	51
104	89	78	92	100	60	50	50	51
104	90	78	91	101	61	51	50	51
104	91	79	91	101	61	50	49	51
103	91	79	91	102	61	50	50	51
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
49	14	29	50	50	53	45	96
50	14	47	50	50	52	45	96
51	15	6	50	50	52	45	97
52	15	24	51	51	52	45	97
53	15	43	51	50	53	44	98
54	16	1	50	51	53	44	98
55	16	20	51	51	53	44	99
56	16	29	51	51	53	45	100
57	16	57	51	51	53	45	101
58	17	16	51	51	54	44	101
59	17	34	51	52	53	45	102
60	17	53	52	52	53	44	102
61	18	11	52	51	54	44	102
62	18	30	52	52	53	45	102
63	18	48	52	52	54	44	102
64	19	7	52	52	54	44	103
65	19	26	52	52	56	44	103
66	19	44	53	52	54	45	104
67	20	3	53	52	55	44	104
68	20	21	53	52	55	45	105
69	20	40	53	53	55	44	106
70	20	59	53	53	55	44	106
71	21	17	54	54	55	44	106
72	21	36	54	54	55	45	107
73	21	54	55	54	56	45	107
74	22	13	54	54	56	45	107
75	22	31	55	54	57	45	108
76	22	50	55	54	57	45	107
77	23	8	55	55	56	44	108
78	23	27	55	55	56	44	107
79	23	46	55	55	58	45	107
80	24	4	55	55	56	45	108
81	24	23	55	55	56	44	107
82	24	41	56	55	56	44	108
83	25	0	56	55	56	45	108
84	25	18	56	56	58	44	108
85	25	37	56	56	57	44	108
86	25	55	56	56	56	45	109
87	26	14	56	56	58	45	108
88	26	32	56	56	58	44	109
89	26	51	56	56	58	44	108
90	27	10	56	56	57	44	108
91	27	28	57	57	58	45	108
92	27	47	56	56	58	45	109
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
94	28	24	56	56	58	45	109
95	28	42	57	56	58	45	109
96	29	1	57	56	58	45	109
97	29	19	57	57	58	45	108
98	29	38	58	57	58	45	109
99	29	57	58	56	58	45	109
100	30	15	57	57	58	45	109
101	30	34	58	58	59	45	109
102	30	52	58	58	59	45	109
103	31	11	58	58	59	45	109
104	31	29	58	59	60	45	110
105	31	48	58	58	56	45	109
106	32	6	58	58	55	45	110
107	32	25	58	58	54	45	110
108	32	43	58	57	53	45	110
109	33	2	59	58	52	45	110
110	33	21	59	57	53	44	109
111	33	39	56	57	52	45	110
112	33	49	55	53	51	45	112
113	33	49	55	54	51	45	110
114	34	1	55	51	49	45	107
115	34	20	54	52	49	45	106
116	34	39	55	52	49	45	106
117	34	57	55	52	49	45	106
118	35	16	54	51	49	45	105
119	35	35	54	52	49	45	105
120	35	53	55	51	49	45	105
121	36	12	54	52	49	45	104
122	36	30	55	52	49	46	104
123	36	49	55	53	50	45	106
124	37	8	55	54	50	46	104
125	37	26	55	54	50	45	105
126	37	45	55	55	50	46	105
127	38	3	56	55	50	45	105
128	38	22	56	54	50	45	105
129	38	41	55	55	49	45	107
130	38	59	56	55	49	45	106
131	39	18	56	55	50	45	107
132	39	36	56	55	49	45	107
133	39	55	56	55	50	45	107
134	40	14	56	55	50	45	107
135	40	32	56	55	50	45	108
136	40	51	56	55	49	45	108
137	41	9	57	55	50	45	109
138	41	28	56	55	49	45	109
139	41	47	57	55	50	45	110
140	42	5	57	56	50	45	110
141	42	24	57	56	49	45	110
142	42	42	56	55	50	45	110
143	43	1	57	56	50	45	110

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
144	43	19	57	56	50	45	110
145	43	38	57	56	51	45	111
146	43	57	58	56	50	45	112
147	44	15	58	56	49	45	112
148	44	34	58	56	49	45	112
149	44	52	58	56	50	45	112
150	45	11	58	56	50	45	112
151	45	29	58	56	51	45	112
152	45	48	58	56	51	45	113
153	46	7	58	56	49	46	112
154	46	25	58	56	51	45	113
155	46	44	59	56	50	45	113
156	47	2	59	57	51	45	112
157	47	21	59	56	51	45	113
158	47	40	59	56	51	45	112
159	47	58	59	56	50	45	112
160	48	17	59	58	51	45	113
161	48	35	59	57	50	45	112
162	48	54	59	57	51	45	112
163	49	12	59	57	50	45	112
164	49	31	59	57	50	45	111
165	49	50	59	57	51	45	112
166	50	8	59	57	50	45	110
167	50	27	60	57	50	45	111
168	50	45	60	57	51	45	111
169	51	4	59	58	50	45	111
170	51	22	59	58	51	45	111
171	51	41	60	58	51	45	110
172	52	0	60	58	50	45	111
173	52	18	61	58	51	45	111
174	52	37	60	57	50	45	109
175	52	55	60	57	50	45	109
176	53	14	61	57	50	45	109
177	53	32	60	57	49	45	108
178	53	51	61	57	51	45	108
179	54	10	60	57	50	45	108
180	54	28	61	57	51	45	108
181	54	47	61	58	51	45	107
182	55	5	61	58	50	45	107
183	55	24	61	58	51	45	107
184	55	42	61	58	51	45	107
185	56	1	61	57	50	45	106
186	56	19	61	58	51	45	107
187	56	38	61	58	50	45	106
188	56	57	61	58	51	45	106
189	57	15	61	58	51	45	105
190	57	34	62	58	51	45	106
191	57	52	61	57	51	45	105
192	58	11	62	58	51	46	105
193	58	29	62	58	50	46	105

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
194	58	48	62	58	51	45	105
195	59	6	62	58	50	45	104
196	59	25	62	58	51	45	104
197	59	44	62	58	51	45	104
198	60	2	62	58	50	45	103
199	60	21	62	58	50	45	103
200	60	39	62	58	50	46	105
201	60	58	61	58	50	45	103
202	61	16	62	57	50	45	103
203	61	35	62	58	50	46	103
204	61	53	62	58	49	45	103
205	62	12	62	58	50	45	102
206	62	30	62	58	50	45	102
207	62	49	62	58	51	45	102
208	63	8	62	58	51	45	102
209	63	26	63	59	51	45	102
210	63	45	62	58	51	45	103
211	64	3	62	58	52	45	102
212	64	22	62	59	51	45	103
213	64	40	63	58	51	45	103
214	64	59	62	59	51	46	103
215	65	17	62	59	50	45	103
216	65	36	63	59	51	45	102
21[illegible]	65	54	62	58	50	45	101
21[illegible]	66	13	62	58	51	46	102
2[illegible]9	66	32	62	59	51	46	102
220	66	50	62	58	51	45	102
221	67	9	62	59	52	45	102
222	67	27	63	59	51	46	103
223	67	46	63	59	51	46	101
224	68	4	63	59	51	45	102
225	68	23	63	60	51	46	103
226	68	41	63	59	51	46	103
227	69	0	63	59	51	46	103
228	69	19	63	59	51	46	103
229	69	37	62	59	51	46	102
230	69	56	63	59	51	46	102
231	70	14	64	59	51	46	101
232	70	33	63	59	50	46	101
233	70	51	63	59	50	46	101
234	71	10	64	59	50	46	101
235	71	29	63	59	51	46	101
236	71	47	63	59	52	46	101
237	72	6	63	59	52	46	101
238	72	24	63	60	51	46	102
239	72	43	63	59	51	46	102
240	73	1	61	59	52	46	102
241	73	20	59	59	52	46	103
242	73	38	59	58	52	46	103
243	*	*	*	*	*	*	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	A
49	14	31	71	72	71	79	62	
50	14	49	72	72	70	79	62	
51	15	8	73	72	65	80	62	
52	15	27	75	71	62	81	62	
53	15	45	75	71	59	80	61	
54	16	4	76	71	58	80	62	
55	16	22	77	71	57	79	62	
56	16	41	77	73	57	79	62	
57	16	59	79	71	56	80	62	
58	17	18	78	73	55	80	62	
59	17	36	77	71	55	80	62	
60	17	55	76	73	54	81	62	
61	18	14	76	72	54	81	62	
62	18	32	75	71	54	82	62	
63	18	51	75	71	54	82	62	
64	19	9	75	71	54	84	63	
65	19	28	76	73	54	83	63	
66	19	47	75	78	53	85	63	
67	20	5	76	77	53	85	63	
68	20	24	76	81	55	86	64	
69	20	42	76	82	56	87	64	
70	21	1	77	81	55	88	64	
71	21	19	77	80	56	88	64	
72	21	38	77	78	55	88	64	
73	21	56	77	78	56	89	64	
74	22	15	77	78	56	90	65	
75	22	34	78	78	55	90	65	
76	22	52	78	79	55	91	65	
77	23	11	77	78	55	91	65	
78	23	29	77	76	56	91	65	
79	23	48	77	76	55	91	65	
80	24	6	77	78	55	92	65	
81	24	25	77	76	55	92	65	
82	24	43	77	76	55	92	65	
83	25	2	76	76	55	92	65	
84	25	21	76	77	55	92	65	
85	25	39	76	77	55	92	65	
86	25	58	77	75	55	92	66	
87	26	16	76	77	55	93	65	
88	26	35	76	75	55	92	66	
89	26	53	76	76	55	93	66	
90	27	12	76	76	55	93	66	
91	27	30	76	76	56	93	66	
92	27	49	75	76	55	93	66	
93	28	7	75	76	55	93	65	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

6-06 ENG.2 FUEL CTRL LET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEC.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
72	71	79	62	61	64	59	66	65
72	70	79	62	61	63	59	65	72
72	69	80	62	61	63	59	64	64
71	62	81	62	61	63	58	61	66
71	59	80	61	61	62	58	60	66
71	58	80	62	61	63	57	61	75
71	57	79	62	61	63	60	64	65
73	57	79	62	62	62	62	66	67
71	56	80	62	61	63	62	67	66
73	55	80	62	62	63	63	69	73
71	55	80	62	61	63	66	71	76
73	54	81	62	62	64	65	69	68
72	54	81	62	62	63	64	67	66
71	54	82	62	62	63	64	66	66
71	54	82	62	62	63	64	65	65
71	54	84	63	62	63	64	65	64
73	54	83	63	62	63	65	65	66
76	53	85	63	63	63	66	65	69
77	53	85	63	63	63	67	66	70
81	55	86	64	63	64	67	66	75
82	56	87	64	63	64	68	66	71
81	55	88	64	63	64	68	65	71
80	56	88	64	63	64	68	63	70
78	55	88	64	63	64	66	63	66
78	56	89	64	63	64	67	62	68
78	56	90	65	63	64	67	61	68
78	55	90	65	63	64	68	60	73
79	55	91	65	64	64	67	61	64
78	55	91	65	63	65	67	60	66
76	56	91	65	63	65	66	59	66
76	55	91	65	64	65	66	59	65
78	55	92	65	64	65	66	58	63
76	55	92	65	63	65	66	57	62
76	55	92	65	65	65	66	58	66
76	55	92	65	65	65	66	56	62
77	55	92	65	64	65	66	55	62
77	55	92	65	64	65	65	55	66
75	55	92	66	64	65	65	55	59
77	55	93	65	64	65	65	55	66
78	55	92	66	63	66	64	55	60
76	56	93	66	64	65	65	55	62
76	55	93	66	63	66	65	55	59
76	56	93	66	63	66	65	54	57
76	55	93	66	64	66	64	54	59
76	55	93	65	63	66	65	54	59

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
94	28	26	76	77	55	93	66
95	28	45	76	76	55	93	65
96	29	3	75	76	55	93	66
97	29	22	75	77	55	93	65
98	29	40	76	76	55	93	66
99	29	59	76	76	55	92	65
100	30	17	76	76	55	93	65
101	30	36	75	75	56	93	65
102	30	54	75	76	55	93	66
103	31	13	75	76	55	93	65
104	31	32	75	76	55	93	66
105	31	50	75	74	56	93	65
106	32	9	75	76	55	93	65
107	32	27	75	75	55	93	65
108	32	46	74	77	55	93	65
109	33	4	75	76	56	93	65
110	33	23	77	77	56	92	65
111	33	41	76	76	56	93	65
112	33	49	91	76	75	131	79
113	33	49	92	75	77	130	82
114	34	4	89	75	80	123	86
115	34	22	89	76	80	123	85
116	34	41	89	76	79	122	85
117	35	0	89	75	79	122	85
118	35	18	89	76	80	122	85
119	35	37	89	76	80	121	85
120	35	55	88	76	80	121	85
121	36	14	89	75	80	122	85
122	36	33	89	76	80	121	86
123	36	51	89	77	80	121	86
124	37	10	89	77	81	120	86
125	37	28	89	76	80	120	85
126	37	47	88	77	81	120	86
127	38	6	88	77	81	120	86
128	38	24	90	76	81	120	85
129	38	43	89	75	81	120	86
130	39	1	89	76	81	119	85
131	39	20	89	76	81	119	85
132	39	39	89	76	81	119	85
133	39	57	88	76	81	118	85
134	40	16	89	77	81	118	85
135	40	34	89	75	81	119	85
136	40	53	88	76	82	118	85
137	41	12	89	75	82	118	85
138	41	30	89	76	82	118	85
139	41	49	89	76	81	117	85
140	42	7	88	75	82	115	85
141	42	26	88	76	81	117	85
142	42	45	90	75	75	117	85
143	43	3	91	78	69	116	8

6-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
NG.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
FUEL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
NTRL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
ILET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
TEMP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
EG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
77	55	93	66	63	66	65	54	57
76	55	93	65	63	66	64	54	62
76	55	93	66	64	66	64	53	60
77	55	93	65	63	67	64	53	56
76	55	93	66	63	66	63	53	54
76	55	92	65	63	67	64	53	53
76	55	93	65	63	67	64	53	55
75	56	93	65	63	66	64	53	56
76	55	93	66	63	67	63	53	56
76	55	93	65	62	67	64	52	73
76	55	93	66	63	67	64	52	54
74	56	93	65	62	68	63	54	58
76	55	93	65	63	67	64	54	57
75	56	93	65	62	67	63	54	55
77	55	93	65	63	67	62	52	55
76	56	93	65	62	67	63	55	64
77	56	92	65	63	67	64	56	64
76	56	93	65	63	67	65	56	66
76	75	131	79	77	66	55	89	91
75	77	130	82	79	66	59	90	92
75	80	123	86	84	66	65	82	81
76	80	123	85	83	66	64	83	82
76	79	122	85	83	66	66	83	81
75	79	122	85	83	66	66	82	81
76	80	122	85	83	66	68	82	81
76	80	121	85	85	66	70	82	81
76	80	121	85	83	66	68	82	81
75	80	122	85	83	66	63	82	81
76	80	121	86	84	67	62	82	81
77	80	121	86	84	66	61	82	81
77	81	120	86	84	66	61	83	81
76	80	120	85	84	67	62	83	81
77	81	120	86	84	67	61	83	81
77	81	120	86	84	66	61	83	81
76	81	120	85	84	67	61	83	81
75	81	120	86	83	67	61	83	81
76	81	119	85	83	66	61	83	83
76	81	119	85	84	66	61	83	80
76	81	119	85	83	66	62	83	79
76	81	118	85	83	66	61	83	79
77	81	118	85	84	66	61	83	79
75	81	119	85	84	66	62	83	80
76	82	118	85	83	66	63	83	82
75	82	118	85	83	67	62	83	80
76	82	118	85	84	66	61	83	80
76	81	117	85	83	66	61	83	82
75	82	115	85	83	66	61	82	82
76	81	117	85	84	66	62	78	78
75	75	117	85	83	66	63	74	96
78	69	116	8[illegible]	83	66	63	72	78

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
144	43	22	91	76	66	116	85
145	43	40	91	76	62	115	85
146	43	59	90	75	58	116	85
147	44	17	90	75	57	114	85
148	44	36	90	75	57	114	85
149	44	55	90	76	57	114	85
150	45	13	89	76	57	113	85
151	45	32	90	75	57	113	85
152	45	50	89	76	56	112	85
153	46	9	89	74	57	111	85
154	46	27	89	77	57	111	85
155	46	46	89	75	56	111	85
156	47	5	87	76	57	110	85
157	47	23	85	76	56	109	85
158	47	42	83	76	54	109	85
159	48	0	81	76	55	108	85
160	48	19	81	75	53	108	85
161	48	38	79	76	54	108	84
162	48	56	78	76	54	107	84
163	49	15	78	76	54	106	83
164	49	33	77	77	54	106	83
165	49	52	76	79	54	105	83
166	50	10	75	81	54	104	82
167	50	29	75	82	54	104	82
168	50	48	76	79	54	105	82
169	51	6	79	81	55	103	81
170	51	25	76	80	55	102	81
171	51	43	78	75	54	102	81
172	52	2	73	72	54	100	81
173	52	20	73	71	53	100	81
174	52	39	73	72	54	99	81
175	52	58	73	69	54	99	80
176	53	16	71	69	54	98	80
177	53	35	71	68	54	97	79
178	53	53	71	69	54	97	79
179	54	12	70	69	54	96	79
180	54	30	71	67	54	96	79
181	54	49	70	68	53	96	78
182	55	7	70	68	54	95	78
183	55	26	71	67	54	95	78
184	55	45	70	68	53	94	78
185	56	3	70	68	54	95	78
186	56	22	70	67	54	94	77
187	56	40	70	67	54	93	77
188	56	59	69	68	54	93	76
189	57	17	70	68	53	93	76
190	57	36	70	67	54	93	75
191	57	54	70	66	54	92	76
192	58	13	69	67	53	93	76
193	58	32	69	68	53	93	76

6-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
NG.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
FUEL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
NTRL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
LET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
EMP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
76	66	116	85	83	66	62	71	77
76	62	115	85	83	66	61	68	78
75	58	116	85	83	66	61	67	77
75	57	114	85	83	66	62	65	69
75	57	114	85	83	66	61	65	69
76	57	114	85	83	67	61	65	69
76	57	113	85	83	66	61	65	71
75	57	113	85	83	67	61	65	71
76	56	112	85	82	66	61	65	70
74	57	111	85	82	66	61	64	68
77	57	111	85	82	66	60	64	68
75	56	111	85	82	66	61	64	67
76	57	110	85	82	66	59	64	70
76	56	109	85	82	66	60	60	67
76	54	109	85	81	66	59	58	64
76	55	108	85	81	66	59	55	61
75	53	108	85	81	66	58	54	66
76	54	108	84	80	66	59	53	59
76	54	107	84	79	66	59	53	56
76	54	106	83	79	66	59	53	73
77	54	106	83	79	66	61	53	55
79	54	105	83	78	66	61	53	54
81	54	104	82	78	66	61	53	55
82	54	104	82	78	66	61	52	57
79	54	103	82	77	66	61	52	58
81	55	103	81	77	66	62	52	56
80	55	102	81	77	66	61	52	53
75	54	102	81	76	66	60	52	59
72	54	100	81	76	66	61	51	59
71	53	100	81	76	66	61	51	59
72	54	99	81	76	66	61	51	58
69	54	99	80	75	66	61	52	58
69	54	98	80	75	66	61	52	58
68	54	97	79	75	66	61	52	59
69	54	97	79	75	66	62	52	59
69	54	96	79	74	66	62	52	62
67	54	96	79	74	66	62	52	59
68	53	96	78	74	67	62	52	58
68	54	95	78	73	67	62	52	59
67	54	95	78	73	66	62	52	58
68	53	94	78	73	66	62	52	59
68	54	95	78	73	66	62	52	57
67	54	94	77	73	66	62	52	58
67	54	93	77	72	66	62	52	59
68	54	93	76	72	66	62	51	56
68	53	93	76	72	66	62	51	58
67	54	93	75	72	67	61	51	60
66	54	92	76	72	67	62	50	58
67	53	93	76	71	66	61	49	55
68	53	93	76	71	67	60	49	56

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6- ENG LO ISO AFTO DEG
194	58	50	70	68	54	93	75	
195	59	9	69	66	53	92	75	
196	59	27	69	68	53	92	75	
197	59	46	69	66	54	92	74	
198	60	4	69	68	54	91	74	
199	60	23	69	67	54	91	73	
200	60	41	69	68	53	92	73	
201	61	0	69	68	53	90	73	
202	61	18	68	66	54	90	73	
203	61	37	69	66	53	90	73	
204	61	56	68	68	54	90	73	
205	62	14	68	66	54	89	73	
206	62	33	68	68	54	89	72	
207	62	51	69	67	54	89	72	
208	63	10	71	69	54	90	72	
209	63	28	70	70	55	89	71	
210	63	47	72	72	55	91	71	
211	64	5	72	71	55	90	71	
212	64	24	72	72	55	90	71	
213	64	41	72	72	55	90	71	
214	65	1	71	70	54	91	71	
215	65	20	69	68	53	89	70	
216	65	38	68	66	54	88	70	
217	65	57	69	68	54	88	70	
218	66	15	70	69	55	89	70	
219	66	34	71	71	55	88	70	
220	66	52	71	72	55	89	69	
221	67	11	70	72	54	88	70	
222	67	30	68	75	53	89	69	
223	67	48	69	74	54	89	69	
224	68	7	68	76	54	89	69	
225	68	25	69	76	54	89	69	
226	68	44	69	77	55	89	69	
227	69	2	69	77	55	89	69	
228	69	21	68	78	55	90	69	
229	69	39	68	79	54	90	69	
230	69	58	69	78	55	90	69	
231	70	17	69	80	55	91	69	
232	70	35	68	80	55	89	69	
233	70	54	69	82	55	90	68	
234	71	12	68	80	54	91	68	
235	71	31	71	79	56	92	68	
236	71	49	71	80	56	92	68	
237	72	8	70	79	56	92	67	
238	72	26	70	80	56	91	68	
239	72	45	72	81	56	92	68	
240	73	4	72	80	57	92	67	
241	73	22	74	81	58	92	68	
242	73	41	74	81	58	92	68	
243	*	*	*	*	*	*	*	

-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
NG.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
FUEL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
NTRL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
LET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
TEMP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
68	54	93	75	71	67	60	49	57
66	53	92	75	71	67	60	48	55
68	53	92	75	71	66	60	48	56
66	54	92	74	70	68	60	49	54
68	54	91	74	70	66	61	48	52
67	54	91	73	70	67	61	49	55
68	53	92	73	69	67	61	49	56
68	53	90	73	69	67	60	49	56
66	54	90	73	69	67	60	49	53
66	53	90	73	69	68	60	49	59
68	54	90	73	68	67	59	48	56
66	54	89	73	68	67	59	48	55
68	54	89	72	68	67	60	48	55
67	54	89	72	68	66	61	48	53
69	54	90	72	69	66	60	50	54
70	55	89	71	68	66	61	51	51
72	55	91	71	68	66	62	54	53
71	55	90	71	68	66	61	53	52
72	55	90	71	67	66	62	54	53
72	55	90	71	67	66	61	53	55
70	54	91	71	67	67	60	51	57
68	53	89	70	68	67	61	50	56
66	54	88	70	67	68	60	50	58
68	54	88	70	68	68	61	49	52
69	55	89	70	66	67	62	51	51
71	55	88	70	67	67	63	54	53
72	55	89	69	66	66	62	53	53
72	54	88	70	66	67	61	52	58
75	53	89	69	66	68	61	50	57
74	54	89	69	66	67	61	49	59
76	54	89	69	66	67	61	49	56
78	54	89	69	66	68	60	49	57
77	55	90	69	66	68	60	49	58
77	55	89	69	66	67	60	49	73
78	55	90	69	66	67	60	49	59
79	54	90	69	66	67	59	48	73
78	55	90	69	65	67	59	49	55
80	55	91	69	66	67	59	49	52
80	55	89	69	65	67	59	49	59
82	55	90	68	66	67	58	49	52
80	54	91	68	66	67	59	49	54
79	56	92	68	65	66	60	49	73
80	56	92	68	65	56	61	51	52
79	56	92	67	65	66	63	52	57
80	55	91	68	65	67	62	54	59
81	56	92	68	65	67	62	56	55
80	57	92	67	65	67	62	56	56
81	58	92	68	65	66	62	57	58
81	58	92	68	65	66	62	58	63
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
49	14	31	81	71	71	73	71
50	14	49	68	71	70	68	69
51	15	8	69	68	66	61	65
52	15	27	63	64	62	57	62
53	15	45	59	69	61	55	61
54	16	4	61	63	62	58	62
55	16	22	64	66	65	61	65
56	16	41	64	69	67	73	66
57	16	59	71	70	68	68	73
58	17	18	68	72	70	66	68
59	17	36	73	73	73	76	73
60	17	55	70	74	71	72	71
61	18	14	68	71	71	81	69
62	18	32	71	68	70	74	69
63	18	51	66	69	69	71	73
64	19	9	67	68	70	74	67
65	19	28	66	70	67	69	68
66	19	47	66	67	68	68	68
67	20	5	73	73	69	67	68
68	20	24	66	69	68	68	73
69	20	42	67	65	71	73	71
70	21	1	65	66	70	68	71
71	21	19	63	73	68	69	70
72	21	38	65	62	68	64	69
73	21	56	61	69	66	64	69
74	22	15	62	62	65	64	68
75	22	34	60	60	65	64	67
76	22	52	61	60	65	63	67
77	23	11	65	59	64	64	66
78	23	29	61	60	64	66	66
79	23	48	59	62	63	62	65
80	24	6	56	56	62	66	64
81	24	25	59	56	62	60	64
82	24	43	58	55	61	61	64
83	25	2	56	55	61	63	62
84	25	21	59	55	60	66	63
85	25	39	60	54	60	60	62
86	25	58	54	54	60	62	62
87	26	16	57	54	60	60	62
88	26	35	55	54	59	57	62
89	26	53	55	53	59	59	62
90	27	12	56	54	59	57	62
91	27	30	54	53	59	62	61
92	27	49	56	53	58	66	62
93	28	7	55	52	59	57	61

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

6-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
NG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NLET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
RF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
71	71	73	71	70	65	57	62	55
71	70	68	69	66	73	58	78	61
68	66	61	65	60	68	51	69	57
64	62	57	62	58	66	49	67	58
69	61	55	61	57	65	49	67	58
63	62	58	62	58	65	50	67	58
66	65	61	65	65	66	59	78	62
69	67	73	66	69	67	63	73	65
70	68	68	73	71	68	66	73	68
72	70	66	68	70	69	67	73	69
73	73	76	73	75	71	70	75	71
74	71	72	71	74	71	67	76	70
71	71	81	69	73	70	66	76	70
68	70	74	69	73	71	66	75	70
69	69	71	73	72	71	66	76	70
68	70	74	67	72	71	67	76	70
70	67	69	68	71	71	67	76	70
67	68	68	68	71	71	66	77	70
73	69	67	68	72	71	68	78	71
69	68	68	73	72	71	66	77	70
65	71	73	71	71	72	66	77	70
66	70	68	71	71	72	65	75	69
73	68	69	70	70	71	64	74	68
62	68	64	69	68	71	64	75	66
69	66	64	69	68	71	64	74	66
62	66	64	68	67	70	62	72	65
60	65	64	67	67	69	62	72	65
60	65	63	67	68	70	62	73	65
59	64	64	66	66	69	62	72	64
60	64	66	66	66	68	62	71	64
62	63	62	65	65	68	61	71	63
56	62	66	64	65	68	60	70	62
56	62	60	64	64	68	59	69	62
55	61	61	64	64	68	60	68	62
55	61	63	62	64	67	59	68	61
55	60	66	63	63	66	59	68	61
54	60	60	62	63	66	59	67	61
54	60	62	62	62	65	58	67	60
54	60	60	62	64	65	58	67	61
54	59	57	62	62	65	58	67	61
53	59	59	62	62	65	57	67	60
54	59	57	62	62	65	57	66	60
53	59	62	61	62	64	57	66	59
53	58	66	62	61	64	56	66	60
53	59	57	61	62	64	57	66	60

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
94	28	26	59	52	59	56	61
95	28	45	56	53	58	58	61
96	29	3	59	52	58	57	61
97	29	22	55	52	58	60	60
98	29	40	59	52	57	58	60
99	29	59	59	52	58	61	61
100	30	17	59	52	57	59	60
101	30	36	54	51	56	59	59
102	30	54	55	51	57	56	59
103	31	13	54	51	57	59	59
104	31	32	58	51	57	59	60
105	31	50	56	52	57	59	60
106	32	9	57	52	58	59	59
107	32	27	56	53	58	59	59
108	32	46	53	51	57	55	59
109	33	4	59	52	57	59	62
110	33	23	59	54	58	59	60
111	33	41	55	55	58	60	61
112	33	49	92	82	88	83	81
113	33	49	93	83	89	85	82
114	34	4	89	82	80	78	78
115	34	22	89	82	80	78	78
116	34	41	89	76	80	78	78
117	35	0	85	76	80	78	78
118	35	18	85	76	81	78	78
119	35	37	89	76	81	79	79
120	35	55	85	76	81	79	79
121	36	14	86	83	80	79	78
122	36	33	85	83	81	79	79
123	36	51	89	84	81	79	79
124	37	10	86	83	81	78	79
125	37	28	78	83	81	77	79
126	37	47	80	83	81	78	80
127	38	6	78	83	80	76	80
128	38	24	78	82	81	76	79
129	38	43	77	82	81	78	79
130	39	1	89	81	80	75	79
131	39	20	84	82	80	77	79
132	39	39	84	82	80	79	80
133	39	57	83	81	80	76	80
134	40	16	83	82	81	76	80
135	40	34	83	81	81	76	79
136	40	53	83	82	79	76	80
137	41	12	83	81	80	77	80
138	41	30	83	81	80	78	80
139	41	49	83	81	80	76	80
140	42	7	79	80	80	78	80
141	42	26	110	78	79	78	78
142	42	45	74	71	76	74	77
143	43	3	75	70	75	73	7[illegible]

6-16 ENG.1 INLET LIP SURF. .45 EG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
52	59	56	61	61	64	57	65	59
53	58	58	61	61	64	56	65	59
52	58	57	61	61	64	56	65	59
52	58	60	60	60	64	56	65	59
52	57	58	60	61	64	56	65	59
52	58	61	61	60	63	56	64	59
52	57	59	60	61	64	56	65	58
51	56	59	59	60	63	56	64	58
51	57	56	59	59	63	55	64	58
51	57	59	59	59	63	55	64	58
51	57	59	60	59	63	54	64	58
52	57	59	60	60	63	54	65	58
52	58	59	59	60	62	55	65	58
53	58	59	59	60	64	55	65	58
51	57	55	59	59	60	55	63	58
52	57	59	62	61	61	57	67	60
54	58	59	60	61	62	58	78	61
55	56	60	61	59	84	57	82	61
82	88	83	81	78	119	78	123	103
83	89	85	82	82	115	79	120	98
82	80	78	78	77	99	73	101	83
82	80	78	78	77	99	73	98	81
76	80	78	78	77	97	73	95	79
76	80	78	78	78	96	73	96	78
76	81	78	78	77	97	73	96	79
76	81	79	79	78	97	73	95	78
76	81	79	79	78	96	73	98	78
83	80	79	78	78	98	73	99	79
83	81	79	79	78	97	73	103	80
84	81	79	79	79	98	73	103	81
83	81	78	79	79	99	73	105	81
83	81	77	79	79	97	73	106	81
83	81	78	80	79	98	72	107	82
83	80	76	80	79	99	73	106	82
82	81	76	79	79	98	73	105	82
82	81	78	79	78	98	73	102	81
81	80	75	79	79	98	73	103	81
82	80	77	79	79	97	73	98	78
82	80	79	80	79	97	73	98	78
81	80	76	80	80	96	73	99	78
82	81	76	80	79	96	73	99	78
81	81	76	79	79	96	74	98	78
82	79	76	80	80	95	73	93	76
81	80	77	80	80	93	72	94	74
81	80	78	80	79	93	73	95	74
81	80	76	80	79	93	72	95	74
80	80	79	80	79	95	72	97	77
78	79	78	78	76	104	70	114	78
71	76	74	77	75	93	67	101	75
70	75	73	7	75	88	69	92	75

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
144	43	22	72	69	73	73	78
145	43	40	73	68	72	70	75
146	43	59	73	69	69	68	74
147	44	17	73	67	70	71	72
148	44	36	68	63	68	68	72
149	44	55	70	63	68	73	71
150	45	13	70	68	69	67	69
151	45	32	66	62	68	68	69
152	45	50	65	62	66	70	69
153	46	9	66	63	66	65	67
154	46	27	67	62	66	65	68
155	46	46	73	61	66	68	67
156	47	5	62	63	61	62	64
157	47	23	60	58	63	62	62
158	47	42	58	56	62	73	65
159	48	0	57	54	60	59	62
160	48	19	58	59	59	59	62
161	48	38	55	53	59	60	60
162	48	56	56	53	58	73	61
163	49	15	54	58	59	66	60
164	49	33	52	54	58	56	59
165	49	52	52	52	57	57	59
166	50	10	53	51	57	69	59
167	50	29	52	51	57	66	59
168	50	48	66	51	56	58	59
169	51	6	53	51	56	53	59
170	51	25	56	51	57	59	59
171	51	43	52	57	55	55	55
172	52	2	52	58	56	55	59
173	52	20	52	59	55	52	56
174	52	39	52	58	59	53	60
175	52	58	53	58	55	52	57
176	53	16	52	59	56	52	58
177	53	35	52	56	56	53	62
178	53	53	59	57	56	66	56
179	54	12	53	59	56	55	56
180	54	30	54	59	56	55	56
181	54	49	52	59	56	56	55
182	55	7	52	59	58	57	59
183	55	26	53	58	56	59	57
184	55	45	52	59	56	69	58
185	56	3	54	59	56	54	58
186	56	22	52	57	56	56	59
187	56	40	59	57	56	53	55
188	56	59	51	58	56	53	59
189	57	17	51	57	56	53	56
190	57	36	51	57	55	56	62
191	57	54	50	56	56	55	53
192	58	13	66	55	55	51	56
193	58	32	49	55	54	51	52

1350

-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
LET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
NF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
73								
69	73	73	78	73	85	69	87	75
68	72	70	75	72	82	68	84	75
69	69	68	74	71	77	67	79	72
67	70	71	72	70	76	65	82	70
63	68	68	72	70	76	64	85	70
63	68	73	71	71	77	65	86	70
63	68	67	69	69	76	65	85	70
62	68	68	69	69	76	64	85	70
62	66	70	69	68	75	64	86	69
63	66	65	67	68	75	63	85	69
62	66	65	68	68	75	62	85	69
61	66	68	67	68	75	63	84	69
63	61	62	64	66	75	62	85	70
58	63	62	62	64	72	61	75	65
56	62	73	65	62	70	60	72	64
54	60	59	62	62	68	58	71	62
59	59	59	62	61	68	57	70	62
53	59	60	60	61	67	57	69	62
53	58	73	61	61	66	57	69	61
58	59	66	60	60	66	56	69	60
54	58	56	59	60	66	56	68	61
52	57	57	59	60	65	56	68	60
01	57	69	59	59	64	55	68	60
51	57	66	59	59	64	55	67	59
51	56	58	59	59	64	55	66	59
51	56	53	59	59	64	55	66	59
51	57	59	59	59	64	55	66	59
57	55	55	55	59	59	56	63	59
58	56	55	59	58	56	56	62	59
59	55	52	56	56	55	56	63	60
58	59	53	60	59	56	56	63	60
60	55	52	57	55	56	56	63	60
59	56	52	58	55	56	56	64	60
56	56	53	62	60	56	56	63	60
57	56	66	56	56	57	56	64	60
59	56	55	56	58	57	56	64	60
59	56	55	56	55	57	57	64	60
59	56	56	55	57	56	56	64	61
59	58	57	59	62	57	56	64	60
59	56	59	57	56	57	56	64	60
59	56	69	58	56	56	57	64	61
59	56	54	58	55	57	56	64	60
57	56	56	59	56	57	56	65	60
57	56	53	55	56	56	56	64	59
58	56	53	59	50	57	56	64	60
57	56	53	56	57	56	55	63	59
57	55	56	62	54	55	55	62	59
56	56	55	53	56	54	55	62	59
55	55	51	56	52	54	54	61	59
56	54	51	52	53	54	54	61	58

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
194	58	50	49	56	54	51	51
195	59	9	49	55	54	50	56
196	59	27	51	59	53	66	53
197	59	46	48	56	52	50	54
198	60	4	49	53	54	50	50
199	60	23	49	59	53	50	55
200	60	41	49	51	53	51	50
201	61	0	49	59	53	52	50
202	61	18	52	56	52	51	66
203	61	37	49	51	53	50	51
204	61	56	49	55	52	52	52
205	62	14	50	59	54	53	54
206	62	33	51	51	53	52	50
207	62	51	50	48	54	54	56
208	63	10	49	49	55	56	56
209	63	28	54	50	56	56	58
210	63	47	56	52	56	55	58
211	64	5	51	66	55	66	58
212	64	24	54	54	56	59	59
213	64	41	54	54	56	66	58
214	65	1	52	57	55	54	56
215	65	20	53	57	54	54	56
216	65	38	50	57	53	53	58
217	65	57	51	51	51	59	57
218	66	15	52	50	56	56	59
219	66	34	54	51	51	59	58
220	66	52	52	52	51	66	59
221	67	11	51	57	51	54	54
222	67	30	51	56	50	55	59
223	67	48	51	56	49	54	51
224	68	7	48	55	49	52	51
225	68	25	49	57	50	54	52
226	68	44	49	56	50	54	55
227	69	2	50	58	49	66	53
228	69	21	49	56	50	53	56
229	69	39	49	56	49	66	50
230	69	58	49	57	49	55	50
231	70	17	49	56	49	51	52
232	70	35	49	56	49	49	60
233	70	54	49	56	49	50	51
234	71	12	49	56	49	49	54
235	71	31	51	49	49	54	59
236	71	49	51	50	50	54	58
237	72	8	55	51	51	57	59
238	72	26	56	52	52	56	61
239	72	45	54	55	53	56	61
240	73	4	54	55	54	62	61
241	73	22	54	54	59	65	62
242	73	41	55	54	59	62	62
243	*	*	*	*	*	*	*

1961

6-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
LET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
RF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
56	54	51	51	59	53	54	61	58
55	54	50	56	56	53	54	61	58
59	53	66	53	56	53	53	60	57
56	52	50	54	54	53	54	61	57
53	54	50	50	53	53	54	61	58
59	53	50	55	53	54	54	61	58
51	53	51	50	57	54	54	61	58
59	53	52	50	52	53	54	61	58
56	52	51	66	55	53	53	60	57
51	53	50	51	53	53	54	61	57
55	52	52	52	53	53	53	60	57
59	54	53	54	52	53	54	60	57
51	53	52	50	55	53	54	60	57
48	54	54	56	57	54	54	62	58
49	55	56	56	56	55	54	61	58
50	56	56	58	58	57	55	64	57
52	56	55	58	59	59	55	65	58
56	55	66	58	58	58	55	62	57
54	56	59	59	58	59	55	63	58
54	56	66	58	56	59	55	62	58
57	55	54	56	56	55	55	60	57
57	54	54	56	57	53	54	61	58
57	53	53	58	56	54	54	62	58
51	51	59	57	59	54	54	62	58
60	56	56	59	58	56	56	64	59
61	51	59	58	58	59	56	66	59
62	51	66	59	58	60	55	64	58
57	51	54	54	55	58	55	62	58
56	50	55	59	54	54	54	62	58
56	49	54	51	52	54	54	62	58
55	49	52	51	50	54	54	63	58
57	50	54	52	50	54	54	62	59
56	50	54	55	52	54	54	63	58
58	49	66	53	51	54	54	63	59
56	50	53	56	51	55	54	63	58
56	49	66	50	51	54	54	62	58
57	49	55	50	49	54	54	64	59
56	49	51	52	51	53	54	63	58
56	49	49	60	51	54	54	64	59
56	49	50	51	52	54	54	63	59
56	49	49	54	52	54	54	63	58
49	49	54	59	55	57	53	66	59
50	50	54	58	59	58	55	65	59
51	51	57	59	59	60	56	66	60
52	52	56	61	62	61	57	68	61
55	53	56	61	62	62	57	69	62
55	54	62	61	58	63	58	70	62
54	59	65	62	63	64	59	77	63
54	59	62	62	62	75	60	100	64
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
49	14	31	71	70	71	72
50	14	49	88	71	71	71
51	15	8	93	72	71	70
52	15	27	95	74	71	71
53	15	45	95	76	70	71
54	16	4	94	79	70	71
55	16	22	94	83	70	71
56	16	41	95	85	71	71
57	16	59	95	87	71	71
58	17	18	94	90	72	71
59	17	36	95	93	71	72
60	17	55	94	93	72	72
61	18	14	93	96	71	71
62	18	32	93	96	71	71
63	18	51	93	97	71	72
64	19	9	92	99	72	71
65	19	28	92	99	92	72
66	19	47	92	101	98	74
67	20	5	92	102	98	76
68	20	24	93	104	99	80
69	20	42	93	105	100	82
70	21	1	92	105	98	85
71	21	19	92	105	97	87
72	21	38	92	106	97	89
73	21	56	92	105	97	92
74	22	15	91	106	97	94
75	22	34	91	106	96	94
76	22	52	91	106	96	96
77	23	11	91	105	96	98
78	23	29	90	106	95	97
79	23	48	90	105	95	98
80	24	6	91	105	95	99
81	24	25	91	104	94	99
82	24	43	91	105	93	100
83	25	2	90	104	93	100
84	25	21	90	104	93	100
85	25	39	89	104	93	101
86	25	58	90	103	92	100
87	26	16	90	103	93	101
88	26	35	89	102	91	100
89	26	53	89	101	92	100
90	27	12	89	101	92	98
91	27	30	89	101	92	100
92	27	49	88	101	91	99

1352

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
94	28	26	88	99	91	101
95	28	45	88	99	91	100
96	29	3	88	99	90	102
97	29	22	88	100	91	101
98	29	40	87	101	90	101
99	29	59	88	99	90	102
100	30	17	87	99	89	102
101	30	36	87	99	91	102
102	30	54	87	99	89	102
103	31	13	87	100	89	102
104	31	32	87	99	89	102
105	31	50	86	98	89	103
106	32	9	86	99	88	102
107	32	27	87	99	88	102
108	32	46	86	98	88	102
109	33	4	87	99	89	103
110	33	23	87	99	89	104
111	33	41	87	99	89	103
112	33	49	93	93	86	88
113	33	49	92	92	86	86
114	34	4	91	89	84	83
115	34	22	91	90	84	83
116	34	41	91	89	84	82
117	35	0	90	89	83	82
118	35	18	90	89	84	82
119	35	37	90	90	84	82
120	35	55	91	89	83	82
121	36	14	90	89	83	82
122	36	33	90	89	85	81
123	36	51	91	90	83	81
124	37	10	91	89	84	82
125	37	28	90	89	83	81
126	37	47	91	89	83	81
127	38	6	91	89	83	81
128	38	24	91	89	82	81
129	38	43	90	89	82	82
130	39	1	90	89	82	81
131	39	20	91	89	82	81
132	39	39	90	86	82	81
133	39	57	90	89	82	80
134	40	16	89	89	81	81
135	40	34	90	88	82	81
136	40	53	89	88	82	80
137	41	12	89	90	82	80
138	41	30	89	88	82	79
139	41	49	90	88	82	80
140	42	7	90	88	82	80
141	42	26	102	88	82	81
142	42	45	106	90	82	80
143	43	3	106	92	82	80

1854

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BCX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
144	43	22	107	95	82	80
145	43	40	107	97	82	80
146	43	59	106	99	81	80
147	44	17	104	102	81	79
148	44	36	104	104	81	79
149	44	55	105	105	81	80
150	45	13	104	105	81	80
151	45	32	105	106	81	79
152	45	50	105	106	80	78
153	46	9	104	106	81	78
154	46	27	105	106	80	79
155	46	46	104	107	81	78
156	47	5	104	106	80	79
157	47	23	102	106	80	78
158	47	42	102	106	79	78
159	48	0	101	106	79	78
160	48	19	101	105	79	77
161	48	38	100	105	79	77
162	48	56	99	104	79	77
163	49	15	99	104	85	77
164	49	33	99	103	97	79
165	49	52	99	102	98	81
166	50	10	98	102	98	83
167	50	29	98	101	98	85
168	50	48	98	102	97	88
169	51	6	97	102	96	90
170	51	25	97	101	96	90
171	51	43	96	101	95	92
172	52	2	95	101	93	91
173	52	20	95	100	92	92
174	52	39	94	100	91	93
175	52	58	94	100	92	95
176	53	16	94	100	91	93
177	53	35	93	100	89	94
178	53	53	93	100	89	95
179	54	12	92	100	89	96
180	54	30	93	101	89	96
181	54	49	92	101	88	97
182	55	7	92	101	88	98
183	55	26	91	102	88	97
184	55	45	91	102	88	98
185	56	3	91	102	88	99
186	56	22	91	102	87	100
187	56	40	90	102	86	100
188	56	59	90	101	87	100
189	57	17	90	101	86	101
190	57	36	89	103	86	100
191	57	54	89	101	86	101
192	56	13	88	102	86	100
193	58	32	89	102	85	101

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
194	58	50	88	101	86	101
195	59	9	88	102	85	101
196	59	27	87	102	84	100
197	59	46	88	102	85	99
198	60	4	86	102	84	100
199	60	23	87	102	84	100
200	60	41	87	101	84	100
201	61	0	86	101	83	100
202	61	18	87	101	83	99
203	61	37	86	101	83	100
204	61	56	86	101	83	101
205	62	14	86	101	83	100
206	62	33	86	101	82	99
207	62	51	86	100	83	101
208	63	10	86	101	83	101
209	63	28	86	102	84	102
210	63	47	86	101	83	102
211	64	5	86	101	85	102
212	64	24	86	102	84	102
213	64	41	86	101	84	102
214	65	1	86	99	83	101
215	65	20	85	100	82	99
216	65	38	85	100	82	99
217	65	57	85	99	82	100
218	66	15	85	101	82	101
219	66	34	86	101	83	101
220	66	52	85	100	83	101
221	67	11	85	100	83	101
222	67	30	85	99	83	102
223	67	48	83	99	82	100
224	68	7	85	100	82	100
225	68	25	85	101	84	101
226	68	44	85	101	83	99
227	69	2	85	101	83	100
228	69	21	85	102	83	99
229	69	39	84	102	82	97
230	69	58	85	102	82	97
231	70	17	84	103	83	97
232	70	35	83	102	82	96
233	70	54	84	103	81	96
234	71	12	84	103	81	95
235	71	31	84	103	82	96
236	71	49	85	104	84	97
237	72	8	85	105	83	96
238	72	26	85	105	83	97
239	72	45	85	105	84	96
240	73	4	86	105	84	98
241	73	22	86	105	85	98
242	73	41	86	106	85	98
243	*	*	*	*	*	*

1355

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
49	14	33	76	76	67	76	79
50	14	52	77	75	68	68	83
51	15	10	76	75	67	68	85
52	15	29	77	76	68	60	92
53	15	47	77	76	68	59	94
54	16	6	77	76	68	70	96
55	16	24	76	76	69	75	98
56	16	43	77	76	69	81	98
57	17	2	77	77	69	80	100
58	17	20	78	76	70	73	100
59	17	39	79	77	70	75	99
60	17	57	80	78	71	73	99
61	18	16	80	79	71	72	100
62	18	34	82	79	72	72	101
63	18	53	84	80	72	74	102
64	19	12	85	81	73	73	104
65	19	30	86	80	72	77	104
66	19	49	87	83	73	72	106
67	20	7	88	83	73	77	107
68	20	26	90	84	75	73	110
69	20	44	92	85	75	73	109
70	21	3	92	87	75	73	110
71	21	22	93	87	75	72	109
72	21	40	93	87	76	70	108
73	21	59	94	88	77	70	106
74	22	17	94	88	76	67	108
75	22	36	95	86	75	67	107
76	22	54	95	88	77	69	107
77	23	13	95	89	76	67	107
78	23	31	95	88	76	65	106
79	23	50	96	90	76	65	105
80	24	9	96	90	75	64	105
81	24	27	96	90	77	64	104
82	24	46	96	91	76	64	104
83	25	4	96	91	76	64	102
84	25	23	96	90	75	64	103
85	25	41	97	90	76	62	103
86	26	0	96	91	76	63	100
87	26	18	96	92	75	63	98
88	26	37	96	91	76	62	97
89	26	55	97	91	76	62	98
90	27	14	96	90	76	63	96
91	27	33	96	90	76	61	98
92	27	51	97	91	76	62	100
93	28	10	96	91	77	60	100

NH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

7-06	7-07	7-08	7-09	7-10	7-11	7-13	7-14	7-15
NG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
CITR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
KIN	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.3	STG.4
NBD	OUTBD	TEMP	OIL	TEMP	4.30	OIL	6.00	3.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
76	67	76	79	69	69	85	72	75
75	68	68	83	69	69	95	74	76
75	67	68	85	71	69	96	77	79
76	68	69	92	73	69	98	80	79
76	68	69	94	73	69	101	80	80
76	68	70	96	74	68	103	82	80
76	69	75	98	74	69	106	84	85
76	69	81	98	74	72	108	90	88
77	69	80	100	74	73	109	90	92
76	70	73	100	72	77	114	105	106
77	70	76	99	69	80	117	121	122
78	71	73	99	69	82	121	122	126
79	71	72	100	66	83	123	122	130
79	72	72	101	65	85	124	123	131
80	72	74	102	66	86	124	123	132
81	73	73	104	64	85	126	123	133
80	72	77	104	64	85	128	123	134
83	73	72	106	64	86	129	123	133
83	73	77	107	65	84	129	123	134
84	75	73	110	65	86	131	123	134
85	75	73	109	66	88	132	126	130
87	75	73	110	67	85	132	122	127
87	75	72	109	67	84	131	119	124
87	76	70	108	67	83	131	119	121
88	77	70	108	67	83	130	117	120
88	76	67	108	68	82	130	116	119
88	75	67	107	68	82	130	116	119
86	77	69	107	68	81	130	116	118
89	76	67	107	68	82	130	116	117
88	76	65	106	68	80	129	116	116
90	76	65	105	68	80	128	113	116
90	75	64	105	67	80	128	113	115
90	77	64	104	68	79	128	112	113
91	76	64	104	68	79	127	112	115
91	76	64	102	67	78	127	111	114
90	75	64	103	68	78	127	111	113
90	76	63	103	67	78	126	111	113
91	76	63	100	67	77	125	110	113
92	75	63	98	67	77	124	110	113
91	76	62	97	67	76	122	110	113
91	76	62	98	68	77	123	110	113
90	76	63	96	67	77	122	110	112
90	76	61	98	67	76	122	109	112
91	76	62	100	67	75	122	109	112
91	77	60	100	67	75	122	109	112

7-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
94	28	28	97	91	76	61	101
95	28	47	97	90	75	64	100
96	29	5	97	91	76	63	101
97	29	24	97	91	75	63	100
98	29	42	97	91	76	61	100
99	30	1	97	90	76	60	101
100	30	20	97	90	75	59	100
101	30	38	96	92	75	60	100
102	30	57	97	91	75	60	100
103	31	15	97	90	75	60	100
104	31	34	97	90	75	64	100
105	31	52	97	90	75	61	101
106	32	11	97	90	75	61	99
107	32	29	97	90	76	60	100
108	32	48	96	90	75	60	100
109	33	6	96	90	75	64	100
110	33	25	96	91	77	69	100
111	33	44	96	92	77	73	102
112	33	49	110	108	101	109	98
113	33	49	110	108	100	110	98
114	34	6	106	105	96	97	92
115	34	25	106	105	96	97	91
116	34	43	106	105	94	98	91
117	35	2	105	105	94	98	91
118	35	20	106	104	94	97	92
119	35	39	105	104	94	98	92
120	35	58	105	103	95	98	92
121	36	16	106	104	94	98	91
122	36	35	105	104	94	97	91
123	36	53	105	104	95	98	92
124	37	12	105	104	94	97	92
125	37	31	105	104	*	90	91
126	37	49	105	104	94	98	92
127	38	8	105	104	95	97	91
128	38	26	106	104	94	98	91
129	38	45	105	104	94	97	90
130	39	4	105	104	94	97	91
131	39	22	104	103	94	97	91
132	39	41	103	103	94	97	91
133	39	59	103	103	94	96	91
134	40	18	104	102	94	97	91
135	40	37	103	103	94	97	90
136	40	55	104	102	92	98	91
137	41	14	103	103	92	97	92
138	41	32	103	103	94	98	91
139	41	51	103	102	92	97	90
140	42	10	103	102	93	94	98
141	42	28	103	103	93	80	102
142	42	47	104	102	92	80	103
143	43	5	103	103	92	80	11[illegible]

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7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
91	76	61	101	67	76	123	108	111
90	75	64	100	67	76	123	108	112
91	76	63	101	66	75	122	109	111
91	75	63	100	67	76	123	107	111
91	76	61	100	67	75	123	108	111
90	76	60	101	66	75	123	108	111
90	75	59	100	67	74	122	106	111
92	75	60	100	66	75	123	107	111
91	75	60	100	66	74	123	106	111
90	75	60	100	67	73	123	107	110
90	75	64	100	67	73	123	107	110
90	75	61	101	66	74	123	109	109
90	75	61	99	67	74	122	109	109
90	76	60	100	67	74	122	109	110
90	75	60	100	66	74	122	108	111
90	75	64	100	67	75	122	106	108
91	77	69	100	69	76	119	93	99
92	77	73	102	70	75	119	87	93
108	101	109	98	78	96	99	98	109
108	100	110	98	79	97	98	103	113
105	96	97	92	80	97	90	106	117
105	96	97	91	80	96	91	106	118
105	94	98	91	80	97	91	106	118
105	94	98	91	80	97	90	107	118
104	94	97	92	80	97	91	107	118
104	94	98	92	81	97	91	107	119
103	95	98	92	80	98	90	107	118
104	94	98	91	80	98	90	108	118
104	94	97	91	80	98	90	107	119
104	95	98	92	81	98	91	108	118
104	94	97	92	82	98	91	108	119
104	*	98	91	82	98	90	108	119
104	94	98	92	81	98	91	108	119
104	95	97	91	81	98	90	108	118
104	94	98	91	81	98	90	108	119
104	94	97	90	81	97	90	108	119
104	94	97	91	82	97	90	108	119
103	94	97	91	81	98	91	108	118
103	94	97	91	8	98	90	108	118
103	94	96	91	82	98	90	108	118
102	94	97	91	80	98	90	108	119
103	94	97	90	82	99	90	108	118
102	92	98	91	82	98	89	107	120
103	92	97	92	82	99	90	108	119
103	94	96	91	82	98	90	107	119
102	92	97	90	83	98	90	107	119
102	93	94	98	82	99	111	107	118
103	93	80	102	82	97	122	96	106
102	92	80	103	84	95	120	91	100
103	92	80	11	85	93	121	89	97

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
144	43	24	103	102	92	80	113
145	43	42	104	102	92	77	115
146	44	1	104	101	91	71	115
147	44	20	103	101	90	76	111
148	44	38	104	102	89	75	109
149	44	57	103	101	90	77	108
150	45	15	104	101	90	77	109
151	45	34	103	101	89	74	110
152	45	53	103	101	90	75	110
153	46	11	103	102	89	71	110
154	46	30	103	101	90	76	109
155	46	48	103	101	91	73	109
156	47	7	102	101	89	66	110
157	47	25	103	100	87	64	107
158	47	44	103	100	87	63	104
159	48	3	104	99	85	63	102
160	48	21	103	100	85	62	102
161	48	40	103	100	84	62	100
162	48	58	103	100	84	60	100
163	49	17	104	99	82	61	101
164	49	35	103	99	83	61	100
165	49	54	104	100	82	60	100
166	50	13	104	99	82	60	101
167	50	31	104	99	82	60	100
168	50	50	104	99	82	60	100
169	51	8	105	100	82	60	101
170	51	27	104	100	82	60	100
171	51	45	105	100	82	59	100
172	52	4	104	99	82	61	99
173	52	23	104	100	82	60	100
174	52	41	103	99	82	60	101
175	53	0	104	99	82	62	101
176	53	18	104	100	82	60	103
177	53	37	104	99	82	61	102
178	53	55	104	99	82	60	103
179	54	14	104	100	82	62	104
180	54	33	104	99	81	63	104
181	54	51	105	100	81	61	104
182	55	10	105	100	82	61	105
183	55	28	106	100	81	60	105
184	55	47	106	101	82	60	104
185	56	5	106	100	81	60	105
186	56	24	107	100	82	61	105
187	56	42	106	101	80	61	105
188	57	1	106	100	82	60	105
189	57	20	106	100	81	60	105
190	57	38	105	101	81	59	105
191	57	57	106	102	82	59	105
192	58	15	106	102	82	58	105
193	58	34	106	102	82	58	105

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7-12	7-06	7-07	7-08	7-09	7-10	7-11	7-13	7-14	7-15
NG.1	NG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
FUEL	NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
PUMP	ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
CASE	KIN	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.3	STG.4
TEMP	NBD	OUTBD	TEMP	OIL	TEMP	4.30	OIL	6.00	3.00
EG.C	G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
87	02	92	80	113	87	90	123	89	96
86	02	92	77	115	86	88	126	87	95
82	01	91	71	115	82	88	128	106	110
82	01	90	76	111	82	87	129	106	108
82	02	89	75	109	82	85	127	94	100
81	01	90	77	108	81	85	124	90	97
81	01	90	77	109	81	84	124	88	95
82	01	89	74	110	82	84	123	87	93
80	01	90	75	110	80	83	123	87	92
80	02	89	71	110	80	82	123	84	90
80	01	90	76	109	80	82	122	84	89
80	01	91	73	109	80	82	123	86	88
79	01	89	66	110	79	81	124	89	93
74	00	87	64	107	74	81	128	106	111
70	00	87	63	104	70	81	128	111	116
69	99	85	63	102	69	82	127	112	118
68	00	85	62	102	68	81	127	112	119
67	00	84	62	100	67	80	128	112	121
66	00	84	60	100	66	80	126	111	122
65	99	82	61	101	65	80	126	113	122
65	99	83	61	100	65	79	126	113	122
64	00	82	60	100	64	79	127	112	122
64	99	82	60	101	64	79	126	112	121
64	99	82	60	100	64	78	126	111	120
65	99	82	60	100	65	77	124	109	116
66	00	82	60	101	66	77	124	108	113
66	00	82	60	100	66	76	123	108	112
65	00	82	59	100	66	76	123	111	117
63	99	82	61	99	63	76	125	116	125
63	00	82	60	100	63	76	126	119	128
62	99	82	60	101	62	77	127	121	130
62	99	82	62	101	62	77	127	120	132
61	99	82	60	103	61	77	129	121	132
62	99	82	61	102	62	77	129	121	133
61	99	82	60	103	61	77	129	121	133
61	00	82	62	104	61	77	129	122	134
61	99	81	63	104	61	77	130	121	134
60	00	81	61	104	60	78	130	121	134
60	00	82	61	105	60	77	131	121	134
60	00	81	60	105	60	77	132	122	134
61	01	82	60	104	61	78	132	122	134
61	00	81	60	105	61	77	131	121	134
60	00	82	61	105	60	77	131	119	133
60	01	80	61	106	60	77	131	121	134
60	00	82	60	105	60	76	132	123	133
60	00	81	60	105	60	77	132	121	133
60	01	81	59	105	60	77	131	122	132
59	00	82	59	105	60	76	130	121	132
60	00	82	58	105	60	76	132	118	132
59	00	82	58	105	60	76	132	120	131

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
194	58	52	107	102	82	58	104
195	59	11	106	101	81	58	104
196	59	29	106	101	81	58	104
197	59	48	106	101	80	58	103
198	60	6	106	100	81	58	103
199	60	25	105	101	81	58	104
200	60	44	106	101	81	58	104
201	61	2	106	101	81	57	103
202	61	21	106	101	80	57	103
203	61	39	106	101	81	56	103
204	61	58	105	101	80	56	103
205	62	16	106	100	80	57	103
206	62	35	106	101	81	57	103
207	62	53	105	100	81	58	103
208	63	12	106	101	80	58	103
209	63	31	106	99	80	60	102
210	63	49	106	100	80	60	102
211	64	8	106	100	80	58	102
212	64	26	106	99	80	60	101
213	64	45	105	100	80	59	100
214	65	3	105	100	80	58	101
215	65	22	104	99	81	59	100
216	65	40	104	99	80	59	102
217	65	59	104	100	81	59	102
218	66	17	105	100	80	60	102
219	66	36	104	99	80	60	102
220	66	55	105	100	80	59	102
221	67	13	104	99	80	58	101
222	67	32	104	98	80	59	101
223	67	50	104	99	81	58	102
224	68	9	103	98	80	58	103
225	68	27	106	101	82	59	105
226	68	46	106	100	80	60	106
227	69	4	105	100	81	59	106
228	69	23	106	100	81	59	107
229	69	42	106	100	81	59	107
230	70	0	106	100	80	59	108
231	70	19	107	101	81	59	108
232	70	37	107	100	80	59	108
233	70	56	107	101	80	60	109
234	71	14	106	100	80	58	108
235	71	33	108	99	80	60	108
236	71	52	108	100	81	61	108
237	72	10	108	100	81	61	108
238	72	29	108	99	80	63	107
239	72	47	109	99	81	63	109
240	73	6	108	101	81	63	109

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7-06 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
102	82	58	104	60	76	130	118	132
101	81	58	104	61	76	131	118	130
101	81	58	104	60	76	131	118	130
101	80	58	103	59	75	130	118	130
100	81	58	103	60	76	130	118	130
101	81	58	104	60	75	130	118	131
101	81	58	104	59	75	130	117	131
101	81	57	103	60	74	130	118	131
101	80	57	103	59	75	130	117	131
101	81	56	103	60	75	130	118	131
101	80	56	103	60	74	129	117	131
100	80	57	103	59	75	130	119	131
101	81	57	103	60	74	130	117	130
100	81	58	103	60	74	130	115	123
101	80	58	103	61	74	128	110	118
99	80	60	102	63	75	127	108	114
100	80	60	102	64	74	125	108	112
100	80	58	102	64	74	126	108	111
99	80	60	101	64	74	125	107	110
100	80	59	100	65	74	124	109	111
100	80	58	101	63	75	125	113	121
99	81	59	100	60	74	127	121	130
99	80	59	102	60	74	129	123	134
100	81	59	102	59	73	129	121	130
100	80	60	102	63	74	127	113	119
99	80	60	102	63	75	126	110	115
100	80	59	102	64	74	126	109	113
99	80	58	101	62	74	126	115	123
98	80	59	101	60	75	129	122	131
99	81	58	102	60	75	129	124	134
98	80	58	103	59	76	131	126	136
101	82	59	105	60	77	134	126	139
100	80	60	106	59	78	135	127	140
100	81	59	106	59	78	135	128	140
100	81	59	107	60	77	135	126	140
100	81	59	107	60	77	135	126	140
100	80	59	108	59	77	137	127	140
101	81	59	108	59	77	136	126	140
100	80	59	108	59	78	136	128	140
101	80	60	109	59	77	137	128	140
100	80	58	108	59	77	137	126	140
99	80	60	108	61	78	135	118	131
100	81	61	108	62	78	133	113	126
100	81	61	108	63	78	132	113	124
99	80	63	107	63	79	132	113	125
99	81	63	109	63	79	132	114	124
101	81	63	109	65	79	130	110	117
103	83	64	109	67	79	129	96	106
103	84	68	110	68	78	127	87	98

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C
49	14	33	73	71	71	73	70
50	14	52	74	72	70	73	70
51	15	10	76	75	64	74	70
52	15	29	78	78	56	78	70
53	15	47	80	80	55	80	70
54	16	6	81	81	58	82	80
55	16	24	83	83	70	85	89
56	16	43	87	86	75	88	92
57	17	2	90	88	75	92	94
58	17	20	96	97	73	96	86
59	17	39	111	111	71	112	87
60	17	57	119	118	68	131	87
61	18	16	123	121	68	145	87
62	18	34	124	124	67	152	89
63	18	53	125	127	67	156	91
64	19	12	126	127	68	159	93
65	19	30	127	128	66	161	92
66	19	49	127	130	66	162	92
67	20	7	127	128	68	163	94
68	20	26	127	129	66	165	94
69	20	44	126	130	65	163	95
70	21	3	121	129	64	161	94
71	21	22	118	127	64	153	94
72	21	40	116	126	62	147	93
73	21	59	116	124	62	145	93
74	22	17	114	123	60	142	92
75	22	36	113	122	61	140	92
76	22	54	113	122	62	139	92
77	23	13	113	122	60	139	92
78	23	31	112	122	59	138	90
79	23	50	111	121	59	138	90
80	24	9	110	120	58	136	89
81	24	27	108	119	58	136	89
82	24	46	108	118	58	136	89
83	25	4	108	118	57	135	89
84	25	23	108	117	57	135	88
85	25	41	108	116	56	134	87
86	26	0	107	117	55	133	88
87	26	18	108	116	57	134	87
88	26	37	108	117	57	134	87
89	26	55	107	116	56	134	87
90	27	14	107	116	56	133	86
91	27	33	106	116	56	133	87
92	27	51	106	116	56	133	86

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

-17	7-18	7-21	7-22	7-23	7-24	7-25	7-26	7-27
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
PRS	OIL	COMPRS	OIL	OIL	GAS	POWER	OIL	POWER
CSE	COOLER	CSE	COOLER	COOLER	GN TRB	TURB	COOLER	TURB
G.4	AIR	STG.5	AIR	OIL	CSE	CASE	OIL	CASE
.00	INLET	6.00	OUTLET	INLET	12.00	4.00	OUTLET	12.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
71	71	73	70	79	113	81	77	108
72	70	73	70	95	118	92	91	116
75	64	74	70	96	152	126	95	148
78	56	78	70	98	184	169	96	193
80	55	80	70	101	204	215	100	233
81	58	82	80	103	218	258	101	268
83	70	85	89	106	233	300	101	300
86	75	88	92	108	245	336	102	328
88	75	92	94	109	254	368	103	351
87	73	96	86	114	308	401	99	368
11	71	112	87	118	365	430	100	374
18	68	131	87	121	383	451	101	383
21	68	145	87	123	387	464	102	391
24	67	152	89	124	393	472	104	400
27	67	156	91	125	392	480	105	405
27	68	159	93	126	394	483	106	412
28	66	161	92	128	396	487	106	416
30	66	162	92	129	394	490	107	418
28	68	163	94	129	394	492	110	420
29	66	165	94	132	392	493	109	423
30	65	163	95	133	385	489	109	421
29	64	161	94	132	369	478	111	414
27	64	153	94	131	361	467	108	407
26	62	147	93	132	358	457	108	402
24	62	145	93	131	356	450	108	398
23	60	142	92	131	354	444	107	395
22	61	140	92	131	352	440	107	392
22	62	139	92	130	351	439	107	392
22	60	139	92	129	352	436	106	391
22	59	138	90	130	352	434	106	391
21	59	138	90	128	349	433	105	389
20	58	136	89	129	348	431	105	388
19	58	136	89	129	349	430	104	387
18	58	136	89	128	347	428	104	387
18	57	135	89	127	346	427	104	386
17	57	135	88	126	347	426	103	386
16	56	134	87	126	346	426	103	383
17	55	133	88	126	345	425	102	383
16	57	134	87	124	345	424	101	383
17	57	134	87	123	345	424	101	383
16	56	134	87	123	346	424	101	381
16	56	133	86	123	345	423	102	383
16	56	133	87	122	345	423	101	380
16	56	133	86	122	344	422	102	381
16	54	132	85	123	344	423	102	380

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C
94	28	28	106	115	55	132	85
95	28	47	106	115	55	133	86
96	29	5	106	115	55	133	85
97	29	24	106	115	54	132	86
98	29	42	106	114	55	132	85
99	30	1	106	115	55	132	85
100	30	20	105	115	55	132	86
101	30	38	105	115	55	131	85
102	30	57	105	113	53	132	84
103	31	15	105	113	54	132	85
104	31	34	103	113	54	131	85
105	31	52	104	113	54	130	84
106	32	11	104	113	54	130	85
107	32	29	103	113	55	130	85
108	32	48	104	113	53	130	84
109	33	6	105	113	58	131	90
110	33	25	10(	106	58	129	93
111	33	44	9[illegible]	97	57	121	98
112	33	49	104	101	68	110	95
113	33	49	108	104	68	113	95
114	34	6	111	108	72	113	88
115	34	25	112	107	74	113	88
116	34	43	113	107	76	113	89
117	35	2	112	107	76	113	87
118	35	20	113	108	74	113	88
119	35	39	113	108	75	113	88
120	35	58	113	109	73	113	88
121	36	16	113	108	74	114	88
122	36	35	113	108	72	113	88
123	36	53	113	109	73	114	87
124	37	12	113	108	72	114	87
125	37	31	113	108	72	114	87
126	37	49	114	110	71	114	88
127	38	8	113	109	71	113	87
128	38	26	113	108	69	113	87
129	38	45	114	109	71	113	87
130	39	4	113	108	69	113	87
131	39	22	114	109	70	113	87
132	39	41	113	108	70	113	87
133	39	59	113	109	70	113	87
134	40	18	113	109	70	113	87
135	40	37	113	109	72	113	87
136	40	55	114	109	72	113	87
137	41	14	113	109	69	113	87
138	41	32	114	109	69	113	87
139	41	51	114	109	70	113	86
140	42	10	113	109	70	114	86

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7-17 ENG.1 MPRS CSE TG.4 .00 EG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
115	55	132	85	123	344	422	101	380
115	55	133	86	123	344	421	101	379
115	55	133	85	123	345	421	101	379
115	54	132	86	122	342	421	101	379
114	55	132	85	123	343	421	101	378
115	55	132	85	123	343	421	101	378
115	55	132	86	123	342	420	101	378
115	55	131	85	122	341	420	101	376
113	53	132	84	123	341	419	101	378
113	54	132	85	123	340	419	100	377
113	54	131	85	123	339	418	101	376
113	54	130	84	121	339	418	99	375
113	54	130	85	123	338	418	100	374
113	55	130	85	122	339	418	100	374
113	53	130	84	123	340	420	100	375
113	58	131	90	123	334	421	105	376
106	58	129	93	121	313	422	106	380
97	57	121	98	120	300	426	107	391
101	68	110	95	104	247	226	105	264
104	68	113	95	102	242	210	103	253
108	72	113	88	97	223	166	98	221
107	74	113	88	96	222	165	98	220
107	76	113	89	96	220	163	98	218
107	76	113	87	96	222	162	98	218
108	74	113	88	96	220	161	98	217
108	75	113	88	96	219	161	97	216
109	73	113	88	96	219	159	98	214
108	74	114	88	96	219	158	98	213
108	72	113	88	96	218	157	97	213
109	73	114	87	96	218	156	97	213
108	72	114	87	96	217	155	98	211
108	72	114	87	96	217	155	98	211
110	71	114	88	96	216	154	97	211
109	71	113	87	96	216	153	97	209
108	69	113	87	96	215	152	97	209
109	71	113	87	96	214	151	96	208
108	69	113	87	96	214	150	96	208
109	70	113	87	95	213	149	97	206
108	70	113	87	96	213	148	96	205
109	70	113	87	95	212	147	96	204
109	70	113	87	95	213	147	96	203
109	72	113	87	95	210	147	96	201
109	72	113	87	95	211	145	96	200
109	69	113	87	94	211	145	96	200
109	69	113	87	96	210	145	96	199
109	70	113	86	95	209	144	96	198
109	70	114	86	102	208	144	93	196
103	66	112	93	122	199	153	117	202
108	67	108	105	120	210	188	118	229
105	69	104	101	120	227	234	114	263

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C
144	43	24	95	93	70	101	108
145	43	42	95	92	70	100	109
146	44	1	101	101	66	103	93
147	44	20	108	108	61	116	94
148	44	38	103	102	61	119	98
149	44	57	97	98	61	115	99
150	45	15	95	95	62	110	101
151	45	34	93	93	61	106	101
152	45	53	92	91	61	103	100
153	46	11	91	89	60	100	99
154	46	30	90	88	62	98	99
155	46	48	89	89	63	96	103
156	47	7	90	90	60	96	97
157	47	25	100	102	58	105	84
158	47	44	108	109	55	122	83
159	48	3	112	113	55	135	83
160	48	21	113	116	54	143	85
161	48	40	114	117	54	147	85
162	48	58	114	117	54	150	85
163	49	17	115	117	55	150	86
164	49	35	114	117	53	152	85
165	49	54	114	118	53	151	85
166	50	13	114	117	53	153	85
167	50	31	114	118	54	153	86
168	50	50	110	116	53	150	85
169	51	8	107	115	54	144	86
170	51	27	105	114	53	138	84
171	51	45	108	116	53	135	86
172	52	4	116	119	54	141	86
173	52	23	121	123	54	149	87
174	52	41	123	125	55	155	87
175	53	0	123	126	55	159	87
176	53	18	125	126	55	161	87
177	53	37	126	127	55	163	87
178	53	55	127	127	54	164	88
179	54	14	127	127	55	164	88
180	54	33	127	127	54	164	88
181	54	51	127	127	56	165	89
182	55	10	126	127	55	165	89
183	55	28	126	128	55	164	88
184	55	47	126	128	55	164	88
185	56	5	126	128	55	165	89
186	56	24	126	127	56	165	90
187	56	42	126	127	54	164	89
188	57	1	126	127	53	164	88
189	57	20	126	127	54	164	89
190	57	38	126	127	53	164	88
191	57	57	126	126	51	164	87
192	58	15	126	126	51	164	88

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-17	7-18	7-21	7-22	7-23	7-24	7-25	7-26	7-27
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
PRS	OIL	COMPRS	OIL	OIL	GAS	POWER	OIL	POWER
CSE	COOLER	CSE	COOLER	COOLER	GN TRB	TURB	COOLER	TURB
0.4	AIR	STG.5	AIR	OIL	CSE	CASE	OIL	CASE
.00	INLET	6.00	OUTLET	INLET	12.00	4.00	OUTLET	12.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
93	70	101	108	123	242	280	117	294
92	70	100	109	125	256	323	117	322
91	66	103	93	129	315	366	108	335
08	61	116	94	129	328	387	107	347
02	61	119	98	127	307	398	110	357
98	61	115	99	126	292	411	111	370
95	62	110	101	124	284	424	111	382
93	61	106	101	124	279	436	111	391
91	61	103	100	124	276	444	110	401
89	60	100	99	123	274	452	110	408
88	62	98	99	123	272	458	109	415
89	63	96	103	124	272	462	111	420
90	60	95	97	125	264	465	108	423
02	58	105	84	129	346	472	101	417
09	55	122	83	127	367	476	101	415
13	55	135	83	128	371	476	101	414
16	54	143	85	127	374	476	101	413
17	54	147	85	127	374	474	101	412
17	54	150	85	126	375	473	101	413
17	55	150	86	126	376	473	101	413
17	53	152	85	126	376	473	101	413
18	53	151	85	126	375	473	101	413
17	53	153	85	127	375	471	102	412
18	54	153	86	126	370	468	101	410
16	53	150	85	125	355	456	100	404
15	54	144	86	125	344	442	101	396
14	53	138	84	124	339	433	100	389
16	53	135	86	123	359	433	100	388
19	54	141	86	126	386	451	101	399
23	54	149	87	126	400	468	102	413
25	55	155	87	127	404	481	104	421
26	55	159	87	127	404	489	103	428
26	55	161	87	129	405	495	103	434
27	55	163	87	129	405	498	104	436
27	54	164	88	129	408	502	105	439
27	55	164	88	129	410	503	105	443
27	54	164	88	130	408	505	106	442
27	56	165	89	130	408	506	106	444
27	55	165	89	130	410	506	105	445
28	55	164	88	131	410	507	106	446
28	55	164	88	131	408	507	107	446
28	55	165	89	131	407	506	106	447
27	56	165	90	131	406	506	106	447
27	54	164	89	130	407	508	106	447
27	53	164	88	132	407	507	107	446
27	54	164	89	131	407	507	106	446
27	53	164	88	131	405	509	106	446
26	51	164	87	131	404	509	105	444
26	51	164	88	131	404	507	105	446
26	50	164	88	131	404	508	104	446

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C
194	58	52	125	125	51	163	88
195	59	11	124	125	50	163	87
196	59	29	123	125	52	163	87
197	59	48	124	124	52	163	87
198	60	6	124	125	51	161	88
199	60	25	124	125	51	162	87
200	60	44	124	125	51	162	87
201	61	2	125	125	*	162	87
202	61	21	125	125	52	163	87
203	61	39	125	124	51	163	87
204	61	58	124	124	51	163	87
205	62	16	124	124	51	163	87
206	62	35	124	124	51	162	87
207	62	53	121	124	51	162	87
208	63	12	114	120	53	156	87
209	63	31	110	116	54	148	87
210	63	49	106	115	53	141	86
211	64	8	106	115	54	136	85
212	64	26	105	115	54	134	86
213	64	45	106	114	53	132	84
214	65	3	111	116	52	134	85
215	65	22	121	122	53	144	85
216	65	40	127	127	53	154	86
217	65	59	127	129	52	160	87
218	66	17	117	123	55	159	88
219	66	36	111	119	53	149	87
220	66	55	107	116	53	141	87
221	67	13	112	119	53	138	84
222	67	32	121	123	51	147	87
223	67	50	127	128	52	155	87
224	68	9	129	129	52	161	87
225	68	27	132	132	53	166	90
226	68	46	132	133	53	168	89
227	69	4	132	134	53	169	90
228	69	23	130	133	53	169	90
229	69	42	131	133	51	169	90
230	70	0	131	133	52	169	91
231	70	19	132	134	52	169	91
232	70	37	132	134	52	169	91
233	70	56	132	134	53	169	90
234	71	14	132	134	53	169	91
235	71	33	125	129	53	169	91
236	71	52	120	123	53	163	91
237	72	10	116	121	56	158	93
238	72	29	115	120	62	155	93
239	72	47	114	120	60	153	92
240	73	6	114	118	58	152	96
241	73	24	106	109	62	146	103
242	73	43	99	100	63	133	110
243	*	*	*	*	*	*	

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-17	7-18	7-21	7-22	7-23	7-24	7-25	7-26	7-27
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
PRS	OIL	COMPRS	OIL	OIL	GAS	POWER	OIL	POWER
CSE	COOLER	CSE	COOLER	COOLER	GN TRB	TURB	COOLER	TURB
G.4	AIR	STG.5	AIR	OIL	CSE	CASE	OIL	CASE
.00	INLET	6.00	OUTLET	INLET	12.00	4.00	CUTLET	12.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
26	51	163	88	131	404	507	104	444
25	50	163	87	131	402	507	104	444
25	52	163	87	131	401	507	104	443
24	52	163	87	130	401	507	103	442
25	51	161	88	131	402	505	105	441
25	51	162	87	130	401	505	104	440
25	51	162	87	130	401	504	105	441
25	*	162	87	130	402	505	103	443
25	52	163	87	130	403	505	103	442
24	51	163	87	130	401	505	105	441
24	51	163	87	129	403	506	104	442
24	51	163	87	130	402	504	104	441
24	51	162	87	130	401	504	103	442
24	51	162	87	129	381	498	103	436
20	53	156	87	129	357	478	102	422
16	54	148	87	127	336	458	104	409
15	53	141	86	126	327	442	101	398
15	54	136	85	126	330	432	102	389
15	54	134	86	124	329	424	102	386
14	53	132	84	124	332	420	100	380
16	52	134	85	126	380	438	101	391
22	53	144	85	128	423	475	104	417
27	53	154	86	128	436	506	104	439
29	52	160	87	129	419	520	103	451
23	55	159	88	127	364	501	103	436
19	53	149	87	127	339	475	103	419
16	53	141	87	126	336	454	102	407
19	53	138	84	126	378	458	102	404
23	51	147	87	129	423	490	103	424
28	52	155	87	130	436	516	104	444
29	52	161	87	130	438	534	105	458
32	53	166	90	132	439	551	107	468
33	53	168	89	134	440	561	108	471
34	53	169	90	135	441	566	108	477
33	53	169	90	136	441	571	109	481
33	51	169	90	135	441	574	109	482
33	52	169	91	137	441	578	110	484
34	52	169	91	136	442	580	109	486
34	52	169	91	137	440	578	110	487
34	53	169	90	137	438	579	109	487
34	53	169	91	137	438	579	111	486
29	53	169	91	134	397	558	109	476
23	53	163	91	134	369	523	109	457
21	58	158	93	132	360	498	109	441
20	62	156	93	132	361	481	111	432
20	60	153	92	132	362	471	109	424
18	58	152	96	131	355	466	111	423
19	62	146	103	129	328	460	114	420
20	63	133	110	127	317	454	120	421
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
49	14	33	79
50	14	52	80
51	15	10	80
52	15	29	82
53	15	47	82
54	16	6	83
55	16	24	87
56	16	43	88
57	17	2	90
58	17	20	94
59	17	39	101
60	17	57	109
61	18	16	117
62	18	34	126
63	18	53	132
64	19	12	139
65	19	30	146
66	19	49	153
67	20	7	159
68	20	26	168
69	20	44	171
70	21	3	178
71	21	22	177
72	21	40	181
73	21	59	184
74	22	17	184
75	22	36	185
76	22	54	189
77	23	13	190
78	23	31	189
79	23	50	190
80	24	9	191
81	24	27	192
82	24	46	191
83	25	4	192
84	25	23	191
85	25	41	192
86	26	0	190
87	26	18	190
88	26	37	191
89	26	55	1[illegible]1
90	27	14	190
91	27	33	190
[illegible]	27	51	191

1364

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
94	28	28	191
95	28	47	190
96	29	5	190
97	29	24	190
98	29	42	189
99	30	1	190
100	30	20	189
101	30	36	190
102	30	57	190
103	31	15	189
104	31	34	189
105	31	52	188
106	32	11	188
107	32	29	186
108	32	48	188
109	33	6	186
110	33	25	186
111	33	44	185
112	33	49	164
113	33	49	159
114	34	6	136
115	34	25	135
116	34	43	134
117	35	2	133
118	35	20	133
119	35	39	132
120	35	58	132
121	36	16	130
122	36	35	131
123	36	53	131
124	37	12	129
125	37	31	129
126	37	49	129
127	38	8	129
128	38	26	128
129	38	45	127
130	39	4	128
131	39	22	127
132	39	41	126
133	39	59	125
134	40	18	124
135	40	37	124
136	40	55	124
137	41	14	123
138	41	32	123
139	41	51	123
140	42	10	122
141	42	28	123
142	42	47	122

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
144	43	24	124
145	43	42	126
146	44	1	127
147	44	20	129
148	44	38	132
149	44	57	134
150	45	15	136
151	45	34	138
152	45	53	139
153	46	11	140
154	46	30	143
155	46	48	143
156	47	7	145
157	47	25	148
158	47	44	151
159	48	3	159
160	48	21	160
161	48	40	163
162	48	58	166
163	49	17	170
164	49	35	172
165	49	54	175
166	50	13	178
167	50	31	180
168	50	50	182
169	51	8	184
170	51	27	184
171	51	45	184
172	52	4	186
173	52	23	188
174	52	41	190
175	53	0	191
176	53	18	193
177	53	37	194
178	53	55	195
179	54	14	196
180	54	33	198
181	54	51	199
182	55	10	200
183	55	28	202
184	55	47	203
185	55	5	204
186	56	24	204
187	56	42	204
188	57	1	205
189	57	20	206
190	57	38	206
191	57	57	205
192	58	15	207
193	58	34	206

1661

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
194	58	52	207
195	59	11	206
196	59	29	207
197	59	48	206
198	60	6	208
199	60	25	208
200	60	44	207
201	61	2	207
202	61	21	207
203	61	39	207
204	61	58	207
205	62	16	207
206	62	35	207
207	62	53	207
208	63	12	207
209	63	31	205
210	63	49	204
211	64	8	203
212	64	26	201
213	64	45	200
214	65	3	198
215	65	22	198
216	65	40	198
217	65	59	199
218	66	17	200
219	66	36	199
220	66	55	198
221	67	13	198
222	67	32	199
223	67	50	199
224	68	9	201
225	68	27	203
226	68	46	207
227	69	4	208
228	69	23	209
229	69	42	211
230	70	0	210
231	70	19	210
232	70	37	211
233	70	56	211
234	71	14	212
235	71	33	213
236	71	52	212
237	72	10	210
238	72	29	210
239	72	47	209
240	73	6	207
241	73	24	206
242	73	43	206

1967

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
49	14	35	76	69	73	77	73
50	14	54	76	69	74	77	74
51	15	12	77	69	73	77	74
52	15	31	77	69	73	76	74
53	15	49	76	69	73	76	73
54	16	8	76	69	73	77	74
55	16	27	77	69	72	77	74
56	16	45	75	69	72	76	74
57	17	4	76	68	73	77	73
58	17	22	75	69	73	76	74
59	17	41	76	68	72	77	73
60	17	59	76	69	73	76	73
61	18	18	76	69	73	77	73
62	18	36	77	69	73	77	73
63	18	55	76	69	73	76	74
64	19	14	76	69	80	75	83
65	19	32	76	70	82	78	94
66	19	51	77	68	83	79	96
67	20	9	77	69	85	82	97
68	20	28	78	71	88	85	102
69	20	47	79	71	90	87	106
70	21	5	79	72	93	86	109
71	21	24	80	72	94	85	112
72	21	42	80	73	96	69	113
73	22	1	81	75	98	80	116
74	22	19	81	77	98	96	117
75	22	38	82	78	100	80	119
76	22	56	83	78	101	83	121
77	23	15	83	80	102	87	122
78	23	34	83	82	99	87	121
79	23	52	85	82	100	82	121
80	24	11	85	84	101	83	123
81	24	29	85	86	101	81	122
82	24	48	86	87	102	80	122
83	25	6	86	87	103	77	123
84	25	25	86	88	101	80	122
85	25	43	88	87	100	79	122
86	26	2	88	89	100	80	122
87	26	21	87	89	101	79	119
88	26	39	88	92	100	81	120
89	26	58	88	92	101	82	120
90	27	16	88	92	103	79	121
91	27	35	88	92	104	77	123

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

8-06 ENG.2 IGNIT EXCITR COUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
69	73	77	73	69	67	68	68	68
69	74	77	74	69	67	67	68	67
69	73	77	74	69	67	67	68	68
69	73	76	74	69	67	68	67	67
69	73	76	73	69	67	68	68	67
69	73	77	74	68	67	68	67	68
69	72	77	74	69	67	68	67	68
69	72	76	74	68	67	68	68	67
68	73	77	73	68	67	67	67	67
69	73	76	74	69	67	68	67	67
68	72	77	73	69	68	67	68	68
69	73	76	73	69	67	67	67	67
69	73	77	73	68	67	67	68	68
69	73	77	73	69	67	68	68	68
69	73	76	74	68	68	68	68	68
69	80	75	83	69	67	69	69	68
70	82	78	94	70	72	79	76	70
68	83	79	96	71	80	85	83	77
69	85	82	97	72	82	88	87	77
71	88	85	102	73	86	97	96	83
71	90	87	106	72	86	101	100	88
72	93	86	109	71	87	100	104	92
72	94	85	112	69	87	99	103	96
73	96	69	113	67	86	99	104	98
75	98	80	116	67	86	99	102	101
77	98	96	117	66	84	98	102	99
78	100	80	119	67	85	98	102	101
78	101	83	121	66	84	98	101	102
80	102	87	122	65	83	98	101	101
82	99	87	121	66	83	99	103	101
82	100	82	121	65	83	97	100	102
84	101	83	123	65	82	97	100	101
86	101	81	122	66	81	96	99	99
87	102	80	122	66	81	96	99	98
87	103	77	123	65	81	96	97	99
88	101	80	122	65	80	94	98	97
87	100	79	122	66	80	93	97	98
89	100	80	122	65	80	94	97	97
89	101	79	119	66	81	93	98	98
92	100	81	120	65	79	95	96	98
92	101	82	120	65	80	94	96	98
92	103	79	121	65	80	94	97	99

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
94	28	30	89	93	105	78	124
95	28	49	89	92	105	74	124
96	29	7	88	94	105	74	126
97	29	26	90	93	105	77	125
98	29	45	90	94	105	87	126
99	30	3	90	94	105	81	126
100	30	22	91	94	105	77	124
101	30	40	91	95	105	80	126
102	30	59	91	94	106	74	125
103	31	17	90	94	105	73	126
104	31	36	91	95	106	74	125
105	31	54	92	96	105	73	124
106	32	13	90	96	105	77	126
107	32	32	91	96	105	77	126
108	32	50	90	96	104	77	126
109	33	9	91	95	105	74	124
110	33	27	92	96	105	72	123
111	33	46	92	96	106	76	123
112	33	49	87	81	90	80	85
113	33	49	86	80	88	79	83
114	34	8	88	81	83	83	81
115	34	27	87	80	83	83	80
116	34	45	87	81	83	83	80
117	35	4	87	81	83	77	80
118	35	23	87	81	83	77	81
119	35	41	87	81	83	77	80
120	36	0	87	82	82	78	81
121	36	18	87	82	83	79	80
122	36	37	87	82	83	78	81
123	36	56	87	82	83	78	82
124	37	14	87	82	83	79	80
125	37	33	87	81	83	79	81
126	37	51	87	81	82	78	81
127	38	10	88	82	83	79	82
128	38	29	87	82	82	78	80
129	38	47	87	81	83	78	80
130	39	6	87	81	82	78	80
131	39	24	87	82	82	77	80
132	39	43	87	81	83	77	80
133	40	2	87	82	81	79	80
134	40	20	87	82	82	77	80
135	40	39	87	81	82	78	80
136	40	57	87	81	81	77	80
137	41	16	87	81	82	78	80
138	41	35	87	82	81	78	80
139	41	53	87	81	81	77	79
140	42	12	87	81	80	78	80
141	42	30	87	81	80	78	80

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8-06 ENG.2 GNIT CITR OUNT TEMP EG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
93	105	78	124	64	79	93	96	97
92	105	74	124	64	79	93	97	96
94	105	74	126	64	79	92	96	96
93	105	77	125	66	79	93	96	96
94	105	87	126	64	79	93	96	96
94	105	81	126	64	78	92	97	97
94	105	77	124	65	78	92	96	96
95	105	80	126	64	78	92	96	96
94	106	74	125	64	78	92	96	95
94	105	73	126	65	78	92	95	96
95	106	74	125	65	78	92	96	96
96	105	73	124	65	78	92	96	96
96	105	77	126	64	78	93	95	95
96	105	77	126	65	78	92	96	94
96	104	77	126	64	78	92	96	93
95	105	74	124	65	77	90	95	92
96	105	72	123	66	76	79	83	91
96	106	76	123	68	75	75	80	88
81	90	80	85	71	66	70	71	70
80	88	79	83	70	69	70	71	71
81	83	83	81	70	73	72	74	74
80	83	83	80	71	72	72	75	73
81	83	83	80	71	72	73	75	74
81	83	77	80	70	73	72	75	74
81	83	77	81	70	72	73	76	74
81	83	77	80	70	73	73	76	74
82	82	78	81	71	73	74	76	74
82	83	79	80	71	73	73	76	74
82	83	78	81	71	73	73	76	74
82	83	78	82	71	73	73	75	75
82	83	79	80	72	73	73	76	75
81	83	79	81	71	73	74	76	74
81	82	78	81	71	73	74	76	74
82	83	79	82	71	73	73	76	75
82	82	78	80	71	73	73	76	74
81	83	78	80	72	72	73	76	74
81	82	78	80	71	73	73	76	74
82	82	77	80	71	72	73	75	75
81	83	77	80	71	72	73	75	74
82	81	78	80	71	72	73	75	74
82	82	77	80	72	73	73	76	74
81	82	78	80	72	73	73	76	74
81	81	77	80	71	72	73	76	74
81	82	78	80	71	72	73	76	73
82	81	78	80	71	73	73	75	74
81	81	77	79	71	72	73	75	74
81	80	78	80	72	72	73	74	74
81	80	78	80	72	73	73	75	74
81	81	78	79	71	73	73	75	74
82	80	77	79	71	72	73	75	74

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
144	43	26	86	81	81	77	79
145	43	45	87	80	81	77	78
146	44	3	86	81	82	77	79
147	44	22	86	81	80	77	79
148	44	40	87	81	81	77	79
149	44	59	87	81	81	77	79
150	45	18	86	81	80	77	80
151	45	36	86	80	80	77	79
152	45	55	85	80	80	76	78
153	46	13	85	80	80	77	78
154	46	32	87	81	79	77	78
155	46	50	85	81	80	76	79
156	47	9	85	80	80	76	78
157	47	28	86	79	79	76	78
158	47	46	84	80	79	75	79
159	48	5	85	80	79	76	78
160	48	23	85	80	80	76	77
161	48	42	85	79	79	76	77
162	49	0	85	79	78	83	79
163	49	19	85	79	92	75	114
164	49	38	85	78	93	71	111
165	49	56	84	78	94	77	111
166	50	15	84	78	92	77	112
167	50	33	85	78	92	74	111
168	50	52	84	78	93	73	113
169	51	10	84	79	93	74	113
170	51	29	84	80	94	76	114
171	51	48	84	80	96	78	116
172	52	6	85	80	96	76	116
173	52	25	86	82	96	76	119
174	52	43	87	83	97	74	119
175	53	2	87	84	98	79	121
176	53	20	88	85	100	81	122
177	53	39	90	87	100	79	123
178	53	58	89	88	102	79	123
179	54	16	90	89	101	70	124
180	54	35	92	89	103	80	125
181	54	53	91	90	104	76	126
182	55	12	92	92	103	79	127
183	55	30	92	93	104	77	128
184	55	49	93	94	104	80	127
185	56	7	93	95	104	79	128
186	56	26	94	96	105	82	127
187	56	45	94	97	105	70	128
188	57	3	95	98	104	87	129
189	57	22	95	99	105	77	129
190	57	40	96	99	105	78	129
191	57	59	96	101	105	77	128

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8-06 ENG.2 IGNIT ACITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
81	81	77	79	71	72	73	76	73
80	81	77	78	71	73	72	75	74
81	82	77	79	71	72	73	75	73
81	80	77	79	71	71	73	74	74
81	81	77	79	72	72	72	75	74
81	81	77	79	72	71	73	74	73
81	80	77	80	70	72	74	74	74
80	80	77	79	71	72	72	73	73
80	80	76	78	71	72	72	74	74
80	80	77	78	71	71	72	73	73
81	79	77	78	71	72	72	73	74
81	80	76	79	70	71	73	74	73
80	80	76	78	71	71	73	73	73
79	79	76	78	71	71	72	73	73
80	79	75	79	71	70	72	73	73
80	79	76	78	72	70	72	72	73
80	80	76	77	71	70	71	72	73
79	79	76	77	71	70	71	72	73
79	78	83	79	71	70	71	71	72
79	92	75	114	71	68	68	69	72
78	93	71	111	72	70	75	75	72
78	94	77	111	72	71	76	78	75
78	92	77	112	72	73	82	82	76
78	92	74	111	72	74	86	84	80
78	93	73	113	71	76	89	92	83
79	93	74	113	69	76	89	94	87
80	94	76	114	67	77	90	95	89
80	96	78	116	64	82	96	103	93
80	96	76	116	63	82	97	108	96
82	96	76	119	60	87	98	111	98
83	97	74	119	60	82	99	111	97
84	98	79	121	59	87	100	113	101
85	100	81	122	58	84	100	111	102
87	100	79	123	58	83	100	111	100
88	102	79	123	58	84	100	111	101
89	101	70	124	58	84	101	112	101
89	103	80	125	58	85	101	111	103
90	104	76	126	58	86	101	113	103
92	103	79	127	58	86	101	113	102
93	104	77	128	58	84	101	112	103
94	104	80	127	58	87	101	113	104
95	104	79	128	58	88	101	114	105
96	105	82	127	58	85	100	112	105
97	105	70	128	58	87	101	112	105
98	104	87	129	58	89	101	113	106
99	105	77	129	58	88	100	113	106
99	105	78	129	58	86	99	112	105
101	105	77	128	58	86	100	111	105
101	105	76	129	58	87	98	112	105
101	104	78	129	58	84	98	110	104

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8- ENG FU PU CA TE DEG
194	58	54	96	102	104	81	129	5
195	59	13	98	103	104	76	129	5
196	59	32	96	103	103	76	129	5
197	59	50	97	102	105	74	127	5
198	60	9	98	104	103	78	128	5
199	60	27	97	103	105	78	128	5
200	60	46	97	104	104	76	128	5
201	61	4	98	104	104	77	128	5
202	61	23	97	104	105	77	128	5
203	61	41	98	104	104	76	128	5
204	62	0	97	104	103	75	128	5
205	62	18	98	105	104	73	128	5
206	62	37	98	104	104	78	128	5
207	62	56	99	105	103	75	127	5
208	63	14	98	105	104	76	128	6
209	63	33	98	105	104	76	126	6
210	63	51	98	105	104	77	126	6
211	64	10	97	105	104	77	127	6
212	64	28	97	104	104	78	126	6
213	64	47	97	104	103	73	126	6
214	65	5	96	104	103	76	127	6
215	65	24	97	103	103	75	129	6
216	65	42	97	103	105	78	129	6
217	66	1	98	102	104	77	129	6
218	66	20	97	103	105	76	127	6
219	66	38	96	103	105	76	127	6
220	66	57	97	103	104	74	126	6
221	67	15	97	103	104	77	126	6
222	67	34	97	103	102	75	124	
223	67	52	96	103	101	74	122	
224	68	11	97	101	100	73	121	
225	68	29	97	102	103	77	121	
226	68	48	97	102	98	77	120	
227	69	7	97	101	98	77	120	
228	69	25	96	100	97	69	118	
229	69	44	96	100	96	77	116	
230	70	2	96	99	96	73	116	
231	70	21	96	98	95	73	116	
232	70	39	96	97	95	72	116	
233	70	58	95	97	95	69	115	
234	71	17	95	96	94	71	115	
235	71	35	95	96	94	77	114	
236	71	54	94	96	95	71	114	
237	72	12	94	95	95	74	115	
238	72	31	94	95	96	75	114	
239	72	49	94	94	97	71	115	
240	73	8	94	93	98	77	114	
241	73	26	94	94	98	82	112	
242	73	45	94	93	97	85	110	

8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
102	104	81	129	58	87	98	111	104
103	104	76	129	58	87	99	111	104
103	103	76	129	58	85	98	110	103
102	105	74	127	58	85	98	111	104
104	103	78	128	58	84	98	109	103
103	105	78	128	58	83	98	110	103
104	104	76	128	58	86	98	112	104
104	104	77	128	58	85	98	111	103
104	105	77	128	58	85	98	110	103
104	104	75	128	57	85	96	110	103
104	103	75	128	58	85	97	110	105
105	104	73	128	58	87	97	111	104
104	104	78	128	58	84	97	109	103
105	103	75	127	58	80	92	101	102
105	104	76	128	60	79	92	98	99
105	104	76	126	61	77	90	96	96
105	104	77	126	62	77	92	96	93
105	104	77	127	62	80	91	99	96
104	104	78	126	63	78	91	97	94
104	103	73	126	63	79	92	98	95
104	103	76	127	60	86	100	109	98
103	103	75	129	58	82	105	115	99
103	105	76	129	56	82	103	114	99
102	104	77	129	55	81	95	106	95
103	105	76	127	59	79	92	98	98
103	105	76	127	62	76	90	96	94
103	104	74	126	61	77	92	95	94
103	104	77	126	63	77	87	89	94
103	102	75	124	64	74	84	86	92
103	101	74	122	64	74	82	84	89
101	100	73	121	65	74	83	84	88
102	100	77	121	67	73	83	85	87
102	98	77	120	67	74	82	84	86
101	98	77	120	67	73	82	84	85
100	97	69	118	69	73	82	85	84
100	96	77	116	68	71	82	83	83
99	96	73	116	69	72	82	84	83
98	95	73	116	69	72	82	85	83
97	95	72	116	68	71	83	86	82
97	95	69	115	67	73	83	84	82
96	94	71	115	68	72	82	84	82
96	94	77	114	69	71	81	84	80
96	95	71	114	69	72	81	84	82
95	95	74	113	69	74	82	87	83
95	96	75	114	69	75	79	83	82
94	97	71	115	70	74	77	82	80
93	98	77	114	71	72	70	76	80
94	98	82	112	72	68	68	72	77
93	97	85	110	72	67	67	71	77
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
49	14	35	68	75	76	76	69
50	14	54	68	75	75	77	70
51	15	12	68	75	76	76	69
52	15	31	68	76	76	76	69
53	15	49	68	76	75	77	68
54	16	8	68	77	75	76	69
55	16	27	68	76	76	76	68
56	16	45	68	76	75	77	68
57	17	4	69	75	76	76	69
58	17	22	68	74	75	77	69
59	17	41	69	75	75	76	69
60	17	59	68	75	75	76	69
61	18	18	68	75	75	76	68
62	18	36	68	76	75	76	69
63	18	55	69	76	75	77	69
64	19	14	68	76	76	76	70
65	19	32	76	84	84	78	71
66	19	51	86	93	97	82	76
67	20	9	91	97	101	89	80
68	20	28	109	116	119	99	87
69	20	47	118	121	125	111	98
70	21	5	129	126	130	124	110
71	21	24	132	126	131	131	119
72	21	42	134	126	130	138	126
73	22	1	134	127	130	141	129
74	22	19	134	125	129	142	129
75	22	38	134	126	129	142	130
76	22	56	134	126	129	141	131
77	23	15	134	124	128	143	130
78	23	34	134	126	129	142	130
79	23	52	134	123	127	141	128
80	24	11	133	123	126	141	128
81	24	29	132	123	126	140	126
82	24	48	132	122	126	140	128
83	25	6	132	123	126	139	126
84	25	25	131	121	124	138	125
85	25	43	130	122	124	138	125
86	26	2	131	121	125	138	126
87	26	21	131	122	124	138	126
88	26	39	130	121	124	137	124
89	26	58	131	121	124	137	126
90	27	16	130	120	124	137	124
91	27	35	131	121	124	139	125

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
8 JULY 1970
RUN NO. 25A +125 DEG F

8-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
COMPRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL
CSE	CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER
STG.4	STG.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL
6.30	6.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET
DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
75	76	76	69	69	94	67	69	77
75	75	77	70	69	94	67	68	77
75	76	76	69	69	94	65	68	76
76	76	76	69	68	95	65	67	76
76	75	77	68	69	94	63	68	76
77	75	76	69	69	94	64	67	76
76	76	76	68	69	94	67	68	76
76	75	77	68	69	94	67	70	76
75	76	76	69	69	94	67	71	76
74	75	77	69	68	94	73	69	76
75	75	76	69	69	93	75	70	76
75	75	76	69	69	93	72	70	76
75	75	76	68	69	92	69	70	77
76	75	76	69	68	92	70	70	76
76	75	77	69	68	92	69	69	76
76	76	76	70	69	92	68	68	82
84	84	78	71	71	108	70	74	95
93	97	82	75	79	155	70	78	96
97	101	89	80	87	200	71	79	98
116	119	99	87	98	271	69	79	104
121	125	111	98	112	312	68	81	107
126	130	124	110	127	339	68	82	110
126	131	131	119	137	351	66	83	112
126	130	138	126	141	356	66	83	114
127	130	141	129	142	358	65	85	116
125	129	142	129	144	359	64	85	117
126	129	142	130	144	358	66	88	119
85	129	141	131	144	359	64	87	120
124	128	143	130	145	359	64	88	122
126	129	142	130	144	359	63	87	121
123	127	141	128	144	358	63	88	121
123	126	141	128	143	356	62	87	122
123	126	140	126	142	356	61	87	122
122	126	140	128	141	355	61	87	123
123	126	139	126	143	355	60	88	124
121	124	138	125	141	354	60	87	123
122	124	138	125	141	351	61	87	123
121	125	138	126	141	352	59	87	123
122	124	139	126	140	352	60	87	121
121	124	137	124	140	352	61	89	119
121	124	137	126	140	352	59	87	119
120	124	137	124	140	352	59	88	121
121	124	138	125	139	352	60	88	123
121	123	137	125	140	352	59	88	125
119	124	136	123	139	351	59	88	124

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
94	28	30	130	120	123	136	123
95	28	49	129	119	123	136	124
96	29	7	129	119	123	135	122
97	29	26	129	119	123	136	123
98	29	45	129	120	122	136	123
99	30	3	129	119	123	136	124
100	30	22	130	119	122	136	123
101	30	40	129	118	122	135	121
102	30	59	129	117	122	135	122
103	31	17	128	118	123	134	122
104	31	36	128	119	123	135	123
105	31	54	128	119	122	136	123
106	32	13	129	119	122	135	122
107	32	32	128	119	123	135	122
108	32	50	127	120	123	137	123
109	33	9	124	117	120	135	123
110	33	27	103	102	102	128	120
111	33	46	93	96	95	118	113
112	33	49	73	82	84	87	78
113	33	49	73	82	84	89	79
114	34	8	75	85	87	92	82
115	34	27	76	86	87	92	82
116	34	45	75	86	88	92	82
117	35	4	76	85	88	93	82
118	35	23	76	86	89	94	83
119	35	41	76	87	89	94	84
120	36	0	77	87	88	93	83
121	36	18	77	87	89	95	84
122	36	37	77	87	89	94	84
123	36	56	77	87	88	94	83
124	37	14	78	87	88	94	83
125	37	33	77	87	88	94	83
126	37	51	77	88	88	94	85
127	38	10	77	87	88	93	83
128	38	29	78	86	88	93	82
129	38	47	77	86	89	93	83
130	39	6	77	87	88	92	82
131	39	24	76	87	88	92	83
132	39	43	76	86	88	93	82
133	40	2	77	86	87	92	82
134	40	20	77	85	87	92	82
135	40	39	76	86	87	93	82
136	40	57	76	86	88	92	82
137	41	16	76	86	87	92	83
138	41	35	77	86	87	92	82
139	41	53	76	87	88	92	83
140	42	12	76	86	87	92	83
141	42	30	77	86	88	92	82
142	42	49	77	86	88	92	82
143	43	7	77	86	87	92	82

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8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
120	123	136	123	140	351	59	88	124
119	123	136	124	139	350	59	87	126
119	123	135	122	139	351	58	88	126
119	123	136	123	139	349	58	87	126
120	122	136	123	139	350	58	87	126
119	123	136	124	138	349	58	88	125
119	122	136	123	139	350	58	87	126
118	122	135	121	138	350	58	88	126
117	122	135	122	138	349	58	88	126
118	123	134	122	138	349	59	89	126
119	123	135	123	138	349	59	88	126
119	122	136	123	138	349	59	89	126
119	122	135	122	138	348	58	88	126
119	123	135	122	138	347	58	88	126
120	123	137	123	138	351	58	87	126
117	120	135	123	138	346	58	90	126
102	102	128	120	128	331	56	95	124
96	95	118	113	113	320	58	98	122
82	84	87	78	77	228	61	84	100
82	84	89	79	77	222	65	82	98
85	87	92	82	80	202	67	82	94
85	87	92	82	79	201	67	82	93
86	86	92	82	80	200	68	82	93
85	88	93	82	80	199	68	81	93
86	89	94	83	80	198	69	82	93
87	89	94	84	80	198	69	82	93
87	88	93	83	80	198	67	81	93
87	89	95	84	81	197	67	80	93
87	89	94	84	81	197	65	79	92
87	88	94	83	81	196	64	79	94
87	88	94	83	81	195	64	78	93
87	88	94	83	80	195	64	78	92
88	88	94	85	80	195	64	78	92
87	88	93	83	81	194	63	78	92
85	88	93	82	80	193	64	77	92
86	89	93	83	81	192	64	77	91
87	88	92	82	81	193	63	77	92
87	88	92	83	80	190	63	77	90
86	88	93	82	80	190	64	77	91
86	87	92	82	80	190	63	76	91
85	87	92	82	80	189	64	77	90
86	87	93	82	80	189	64	78	91
86	88	92	82	80	187	64	79	90
86	87	92	83	79	188	64	78	90
86	87	92	82	80	187	64	78	91
87	88	92	83	80	186	63	79	89
86	87	92	83	80	185	64	78	90
86	88	92	82	80	186	64	79	90
86	88	92	82	80	184	67	78	90
85	87	92	81	80	184	72	77	90

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
144	43	26	76	86	87	91	82
145	43	45	76	86	88	92	82
146	44	3	76	85	87	91	82
147	44	22	76	85	87	91	81
148	44	40	77	85	86	90	81
149	44	59	75	84	86	90	81
150	45	18	75	84	86	90	80
151	45	36	76	84	84	90	80
152	45	55	75	84	85	89	79
153	46	13	75	83	85	88	80
154	46	32	75	83	85	89	79
155	46	50	76	84	84	88	79
156	47	9	76	83	85	89	79
157	47	28	75	82	84	89	78
158	47	46	74	82	84	87	78
159	48	5	74	83	82	87	77
160	48	23	74	82	83	86	77
161	48	[illegible]	74	82	82	86	77
162	49	0	73	80	80	84	74
163	49	19	72	79	80	82	75
164	49	38	77	85	87	84	73
165	49	[illegible]	81	89	92	86	77
166	50	15	92	100	101	91	80
167	50	33	100	106	108	97	87
168	50	52	115	113	116	108	96
169	51	10	120	115	118	117	105
170	51	29	122	116	118	123	111
171	51	48	128	127	131	130	118
172	52	6	132	134	138	141	127
173	52	25	135	137	141	150	137
174	52	43	136	139	141	155	142
175	53	2	137	139	142	159	147
176	53	20	137	139	142	161	146
177	53	39	137	139	142	159	145
178	53	58	137	139	142	160	147
179	54	16	137	140	142	160	146
180	54	35	139	139	143	161	145
181	54	53	136	140	144	160	147
182	55	12	138	141	144	161	149
183	55	30	138	140	144	161	147
184	55	49	138	140	143	162	147
185	56	7	139	140	143	163	150
186	56	26	138	140	143	161	148
187	56	45	138	140	143	163	150
188	57	3	138	140	144	164	152
189	57	22	137	140	144	164	153
190	57	40	137	139	143	164	151
191	57	59	137	139	143	164	151
192	58	17	137	139	142	164	151
193	58	36	136	140	141	161	150

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8-16 ENG.2 COMPRS CSE STG.4 6.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
86	87	91	82	80	163	74	76	88
86	88	92	82	80	183	74	76	89
85	87	91	82	80	178	67	78	89
85	87	91	81	79	177	65	77	88
85	86	90	81	79	175	64	76	89
84	86	90	81	78	175	64	77	88
84	86	90	80	79	175	64	76	90
84	84	90	80	78	174	63	76	88
84	85	89	79	78	172	63	76	88
83	85	88	80	77	171	63	76	87
83	85	89	79	78	170	63	76	87
84	84	88	79	78	169	63	75	87
83	85	89	79	77	167	60	75	87
82	84	89	78	77	165	60	71	86
82	84	87	78	77	162	59	69	86
83	82	87	77	78	161	58	67	85
82	83	86	77	78	160	58	66	86
82	82	86	77	76	158	58	65	85
80	80	84	74	76	157	58	65	81
79	80	82	75	74	149	57	79	114
85	87	84	73	76	167	56	80	112
89	92	86	77	80	203	55	77	112
100	101	91	80	87	251	58	77	112
106	108	97	87	95	285	55	77	111
113	116	108	96	110	315	58	78	112
115	118	117	105	121	329	56	79	113
116	118	123	111	127	337	56	80	115
127	131	130	118	135	363	55	79	116
134	138	141	127	148	394	55	80	118
137	141	150	137	157	401	55	80	119
138	141	155	142	161	404	55	82	121
139	142	159	147	163	406	56	83	121
139	142	161	146	166	407	56	83	123
138	142	159	145	165	408	56	83	124
139	142	160	147	166	408	56	84	125
140	142	160	146	166	408	57	84	126
139	143	161	145	166	411	56	85	126
140	144	160	147	167	412	56	85	127
141	144	161	148	166	410	57	85	128
140	144	161	147	166	407	55	86	131
140	143	162	147	166	407	57	85	132
140	143	163	150	166	405	55	86	155
140	143	161	148	166	407	55	87	130
140	143	163	150	167	407	54	86	128
140	144	164	152	166	405	55	86	129
140	144	164	153	165	405	54	86	130
139	143	164	151	167	405	54	86	129
139	143	164	151	166	403	54	85	130
139	142	164	151	166	403	53	85	130
138	141	161	150	165	402	52	84	131

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
194	58	54	135	138	142	163	151
195	59	13	136	137	141	163	152
196	59	32	135	138	140	163	152
197	59	50	135	139	142	162	150
198	60	9	136	137	141	161	147
199	60	27	135	138	142	161	148
200	60	46	136	139	142	161	150
201	61	4	135	138	141	161	148
202	61	23	135	137	141	161	147
203	61	41	135	137	141	161	149
204	62	0	135	138	141	161	148
205	62	18	135	138	141	162	152
206	62	37	135	137	141	161	148
207	62	56	132	128	129	159	145
208	63	14	129	125	126	154	140
209	63	33	126	120	122	147	134
210	63	51	126	120	121	142	128
211	64	10	126	124	126	142	130
212	64	28	127	119	123	141	129
213	64	47	127	123	125	140	130
214	65	5	134	136	139	145	135
215	65	24	140	143	145	155	140
216	65	42	141	145	148	160	146
217	66	1	138	132	136	162	147
218	66	20	131	122	125	156	144
219	66	38	129	119	122	147	135
220	66	57	129	118	122	142	129
221	67	15	113	112	111	137	127
222	67	34	109	109	108	128	123
223	67	52	101	106	106	121	116
224	68	11	99	105	105	118	112
225	68	29	98	105	106	116	109
226	68	48	98	105	105	115	106
227	69	7	98	105	104	113	104
228	69	25	98	105	104	112	103
229	69	44	96	104	105	110	101
230	70	2	97	105	104	110	102
231	70	21	96	104	104	111	100
232	70	39	97	105	104	111	101
233	70	58	97	103	104	110	102
234	71	17	97	103	104	110	101
235	71	35	96	103	103	109	100
236	71	54	96	105	104	110	100
237	72	12	96	106	106	110	100
238	72	31	93	100	100	111	101
239	72	49	89	96	96	107	98
240	73	8	81	88	88	102	96
241	73	26	77	84	83	98	93
242	73	45	75	82	82	93	88

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8-16 NG.2 MPRS CSE TG.4 4.30 EG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
138	142	163	151	165	400	53	85	129
137	141	163	152	165	398	53	84	131
138	140	163	152	164	398	53	84	131
139	142	162	150	164	398	53	84	130
137	141	161	147	164	399	54	84	129
138	142	161	148	164	402	54	85	130
139	142	161	150	165	400	53	83	129
136	141	161	148	164	399	53	85	134
137	141	161	147	164	400	52	84	139
137	141	161	149	164	400	52	84	129
138	141	161	148	164	399	53	84	136
138	141	162	152	163	399	53	83	135
137	141	161	148	164	399	54	85	145
128	129	159	145	161	382	54	87	129
125	126	154	140	155	365	53	85	129
120	122	147	134	149	354	56	88	127
120	121	142	128	145	350	54	87	132
124	126	142	130	142	352	55	85	129
119	123	141	129	145	350	56	87	130
123	125	140	130	144	352	54	85	126
136	139	145	135	148	394	54	84	135
143	145	155	140	161	436	55	85	150
145	148	160	146	169	447	53	84	135
132	136	162	147	172	427	54	87	129
122	125	156	144	160	381	56	90	129
119	122	147	135	148	359	55	88	129
118	122	142	129	145	351	58	87	128
122	111	137	127	133	327	53	83	126
109	108	128	123	121	310	53	82	125
106	106	121	116	113	300	53	80	123
105	105	118	112	110	296	52	80	122
105	106	116	109	108	296	55	80	121
105	105	115	106	106	293	54	79	121
99	104	113	104	104	291	53	79	120
105	104	112	103	105	291	54	80	118
104	105	110	101	103	291	53	78	117
105	104	110	102	103	291	54	78	116
98	104	111	100	103	291	54	79	118
103	104	111	101	103	291	54	77	116
103	104	110	102	103	292	53	77	116
103	104	110	101	103	292	53	77	115
103	103	109	100	104	294	55	80	114
105	104	110	100	102	295	57	81	114
106	106	110	100	103	297	58	82	115
100	100	111	101	101	292	60	87	114
96	96	107	98	98	286	59	85	114
88	88	102	96	93	288	60	95	114
84	[illegible]	98	93	87	291	62	96	112
82	82	93	88	82	291	64	93	110
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
6 JULY 1970
RUN NO. 25A +125 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
49	14	35	90	76	84
50	14	54	89	76	84
51	15	12	90	76	84
52	15	31	90	76	83
53	15	49	90	76	83
54	16	8	89	75	83
55	16	27	90	76	83
56	16	45	90	75	83
57	17	4	89	76	83
58	17	22	90	75	83
59	17	41	89	76	83
60	17	59	89	76	83
61	18	18	88	76	82
62	18	36	89	76	82
63	18	55	89	76	83
64	19	14	89	76	82
65	19	32	95	84	83
66	19	51	116	87	83
67	20	9	153	89	85
68	20	28	194	92	89
69	20	47	235	93	93
70	21	5	269	96	98
71	21	24	297	98	103
72	21	42	318	98	109
73	22	1	333	101	115
74	22	19	345	101	120
75	22	38	354	103	126
76	22	56	360	104	130
77	23	15	366	103	135
78	23	34	370	103	139
79	23	52	373	104	143
80	24	11	375	104	147
81	24	29	377	103	150
82	24	48	379	104	153
83	25	6	378	105	156
84	25	25	379	105	158
85	25	43	379	104	160
86	26	2	379	104	162
87	26	21	380	106	163
88	26	39	379	105	165
89	26	58	378	105	167
90	27	16	378	105	167
91	27	35	377	105	168
92	27	53	378	106	169

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
94	28	30	377	106	171
95	28	49	377	105	171
96	29	7	376	105	172
97	29	26	375	105	173
98	29	45	375	105	173
99	30	3	374	105	173
100	30	22	373	105	173
101	30	40	373	105	173
102	30	59	373	105	174
103	31	17	372	106	174
104	31	36	372	105	175
105	31	54	371	106	174
106	32	13	371	106	175
107	32	32	370	105	174
108	32	50	373	105	174
109	33	9	373	106	174
110	33	27	376	109	175
111	33	46	381	110	175
112	33	49	221	101	149
113	33	49	209	99	146
114	34	8	177	93	139
115	34	27	176	93	138
116	34	45	175	93	138
117	35	4	174	93	138
118	35	23	174	93	138
119	35	41	173	93	137
120	36	0	171	92	137
121	36	18	171	92	137
122	36	37	170	93	136
123	36	56	168	93	137
124	37	14	168	92	136
125	37	33	166	92	136
126	37	51	166	92	136
127	38	10	165	92	135
128	38	29	164	92	134
129	38	47	163	92	134
130	39	6	163	92	134
131	39	24	162	91	132
132	39	43	162	91	132
133	40	2	162	92	132
134	40	20	160	91	132
135	40	39	161	90	132
136	40	57	160	90	131
137	41	16	159	91	131
138	41	35	159	90	131
139	41	53	158	90	130
140	42	12	157	89	130
141	42	30	157	90	130
142	42	49	156	90	130

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
144	43	26	155	89	129
145	43	45	154	89	128
146	44	3	152	89	127
147	44	22	150	88	127
148	44	40	149	89	126
149	44	59	150	88	125
150	45	18	148	88	126
151	45	36	146	87	124
152	45	55	147	88	123
153	46	13	147	87	123
154	46	32	147	87	122
155	46	50	146	87	122
156	47	9	146	87	122
157	47	28	14	87	121
158	47	46	144	85	120
159	48	5	144	86	119
160	48	23	141	85	119
161	48	42	141	84	118
162	49	0	141	83	117
163	49	19	141	90	116
164	49	38	152	95	115
165	49	56	177	92	115
166	50	15	208	92	114
167	50	33	237	93	116
168	50	52	265	94	118
169	51	10	287	95	121
170	51	29	303	96	124
171	51	48	320	96	127
172	52	6	341	97	131
173	52	25	360	99	135
174	52	43	376	100	140
175	53	2	391	101	145
176	53	20	402	102	150
177	53	39	410	102	154
178	53	58	417	103	158
179	54	16	423	103	161
180	54	35	428	104	165
181	54	53	431	105	168
182	55	12	433	105	171
183	55	30	437	105	174
184	55	49	437	106	177
185	56	7	438	106	180
186	56	26	439	106	182
187	56	45	439	106	184
188	57	3	44(	105	186
189	57	22	441	105	188
190	57	40	439	106	189
191	57	59	438	105	189
[illegible]	58	17	437	105	191

1378

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
194	58	54	436	106	193
195	59	13	435	104	194
196	59	32	435	104	194
197	59	50	432	105	193
198	60	9	432	105	195
199	60	27	431	105	194
200	60	46	430	105	195
201	61	4	430	105	195
202	61	23	430	105	195
203	61	41	430	105	196
204	62	0	430	105	197
205	62	18	431	105	196
206	62	37	430	105	196
207	62	56	427	105	198
208	63	14	417	104	197
209	63	33	406	106	195
210	63	51	396	104	193
211	64	10	387	104	193
212	64	28	383	104	191
213	64	47	377	103	189
214	65	5	384	104	189
215	65	24	406	105	189
216	65	42	431	106	190
217	66	1	446	106	193
218	66	20	439	107	193
219	66	38	425	104	193
220	66	57	409	105	193
221	67	15	396	101	190
222	67	34	385	100	189
223	67	52	379	99	186
224	68	11	372	97	184
225	68	29	368	98	184
226	68	48	365	97	180
227	69	7	362	97	178
228	69	25	361	96	176
229	69	44	358	96	174
230	70	2	357	96	172
231	70	21	356	96	170
232	70	39	355	94	168
233	70	58	354	94	166
234	71	17	354	94	166
235	71	35	356	95	164
236	71	54	358	96	164
237	72	12	360	96	163
238	72	31	362	100	163
239	72	49	369	99	162
240	73	8	374	106	162
241	73	26	368	108	163
242	73	45	358	108	164
243	*	*	*	*	*

RUN 25B, 125°F Engine Oil Test, 13 July 1970
Engine No. 1 Pump (S/N 597) at Nominal Setting of 6.05 gpm (low)
Engine No. 2 Pump (S/N 595) at Nominal Setting of 6.00 gpm (low)
Soak time N/A

Test Synopsis:

This is a continuation of run 25A (125°F engine oil test) and presents 80-percent torque data for engine No. 2 and maximum torque data for both engines with the oil pumps set at the low oil flow setting. These engine power settings were not used during run 25A.

Pertinent information.

Engine No. 1 had -13 fuel control and no EAPS.

Engine No. 2 had -12 fuel control, EAPS, and armor plating installe

Both engines had calibrated engine oil pumps installed.

Test parameters not connected or not presented.

1-4-Free air temperature (not connected).

2-18-Main wheel brake return hydraulic pressure (not connected).

2-19 through 2-26-Heater output airflow differential pressure (not presented).

3-1 through 3-28 (all parameters on switch box position 3)-Heater duct and aircraft compartment temperatures (not presented).

Defective test parameters not presented (unless indicated otherwise

4-13-Second stage hydraulic system pump outlet temperature.

7-12-Engine No. 1 compressor case temperature, 3rd stage, 3 o'cloc position.

7-19-Engine No. 1 compressor case temperature, 5th stage, 3 o'cloc position.

7-20-Engine No. 1 compressor case temperature, 5th stage, 4:30 o'clock position.

8-18-Engine No. 2 compressor case temperature, 5th stage, 9 o'cloc position.

Event Sheet:

CTR	Event
35	Engine No. 1 - start NOTE: APP EGT 620°C while starting engine No. 1.
41	Engine No. 1 throttle - forward
46	APP - OFF
48	Engine No. 2 - start
52	Engine No. 2 throttle - set at 100-percent N_f
59-78	Operate engine No. 2 at 80-percent torque and allow temperatur to stabilize.
80-91	Operate engine No. 1 at flight idle (14-percent torque) and allow temperatures to stabilize.

RUN 25B +125°F 13JULY 70

CTR	Event
95-120	Operate engine No. 2 at flight idle (14-percent torque) and allow temperatures to stabilize.
122-154	Operate engine No. 1 at maximum available torque (97-percent) and allow temperatures to stabilize.
164-191	Operate engine No. 2 at maximum available torque (91-percent) and allow temperatures to stabilize.

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25B +125 DEG F

1392

1-06 G.1 FUEL FLOW /HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
0	*	0	72	0	*	*	1	53
0	*	0	69	0	*	*	1	51
0	*	0	69	0	*	*	1	51
0	*	0	72	0	*	*	0	49
0	*	0	69	0	*	*	1	49
0	*	0	71	0	*	*	1	52
0	*	0	69	0	*	*	1	52
0	*	0	69	0	*	*	1	52
0	*	0	68	0	*	*	1	51
0	*	0	69	0	*	*	1	52
0	*	0	66	0	*	*	1	52
0	*	0	67	0	*	*	1	51
0	*	0	67	0	*	*	1	51
0	*	0	67	0	*	*	1	52
0	*	0	66	0	*	*	0	52
0	*	0	64	0	*	*	1	49
0	*	0	66	0	*	*	1	52
0	*	0	66	0	*	*	1	52
0	*	0	67	0	*	*	1	51
0	*	0	64	0	*	*	1	53
0	*	0	64	0	*	*	0	52
0	*	0	66	0	*	*	1	52
0	*	0	64	0	*	*	0	51
0	*	0	64	0	*	*	0	49
0	*	0	64	0	*	*	1	53
0	*	1	63	0	*	*	2	49
0	*	0	58	0	*	*	1	51
0	*	0	58	0	*	*	1	51
0	*	0	55	0	*	*	2	51
0	*	0	57	0	*	*	1	51
0	*	0	55	0	*	*	0	51
0	*	0	55	0	*	*	1	51
0	*	0	57	0	*	*	1	49
24	*	0	113	0	*	*	1	51
39	6	17	461	0	*	*	1	51
39	4	27	518	0	*	*	1	51
39	3	32	541	0	*	*	1	49
39	3	34	552	0	*	*	1	48
40	3	35	559	0	*	*	1	49
38	27	60	496	0	*	*	1	49
38	21	*	502	0	*	*	1	49
25	30	102	536	0	*	*	1	51
16	26	102	524	0	*	*	1	52
15	26	103	519	0	*	*	2	53
16	26	102	51[illegible]	0	*	*	1	53

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
48	14	43	80	116	23	103	537
49	15	1	87	119	28	102	524
50	15	20	87	116	26	102	522
51	15	39	87	115	26	*	518
52	15	57	83	85	12	99	472
53	16	16	85	97	18	100	481
54	16	35	83	86	13	100	470
55	16	53	84	86	13	*	467
56	17	12	91	86	13	100	467
57	17	31	79	58	1	99	439
58	17	49	78	60	1	102	433
59	18	8	80	64	2	102	429
60	18	27	82	75	9	99	438
61	18	45	82	80	10	99	446
62	19	4	78	56	1	97	436
63	19	23	78	56	1	96	433
64	19	41	77	57	1	96	433
65	20	0	78	56	0	96	433
66	20	18	79	57	0	96	429
67	20	37	77	57	0	96	432
68	20	56	78	57	0	96	430
69	21	14	78	57	0	96	433
70	21	33	78	57	0	96	432
71	21	52	78	58	0	96	432
72	22	10	77	58	0	96	429
73	22	29	79	57	0	97	432
74	22	48	77	57	1	96	432
75	23	6	79	57	0	97	432
76	23	25	78	57	0	96	434
77	23	43	77	58	1	97	429
78	24	2	77	58	0	96	430
79	24	21	82	85	12	100	451
80	24	39	84	88	13	100	460
81	24	58	84	88	14	100	463
82	25	17	84	88	13	100	463
83	25	35	84	89	14	99	465
84	25	54	83	89	14	99	463
85	26	13	84	87	14	100	465
86	26	31	84	88	14	99	465
87	26	50	84	88	14	102	465
88	27	9	84	89	14	100	463
89	27	27	85	89	14	99	463
90	27	46	84	88	15	100	463
91	28	4	85	88	14	100	463
92	28	23	84	92	16	96	477
93	28	42	83	82	13	94	466
94	29	0	82	75	8	95	456
95	29	19	84	91	15	100	474
96	29	38	84	87	13	98	471
97	29	56	84	88	13	*	471

-06	1-07	1-08	1-09	1-10	1-11	1-12	1-13	1-14
G.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
UEL		POWER	TURB		FUEL		POWER	TURB
LOW		TURB	INLET	RPM	FLOW		TURB	INLET
	TORQUE	SPEED	TEMP	(NG)		TORQUE	SPEED	TEMP
		RPM	(T-5)				RPM	(T-5)
/HR	PERCNT	PERCNT	DEG.C	PERCNT	GAL/HR	PERCNT	PERCNT	DEG.C
16	23	103	537	0	*	*	1	53
19	28	102	524	22	*	74	7	51
16	26	102	522	59	44	*	53	374
15	26	*	518	77	59	*	93	485
85	12	99	472	84	88	11	103	462
97	18	100	481	85	98	16	101	477
86	13	100	470	84	88	12	101	473
86	13	*	467	85	86	12	101	471
86	13	100	467	84	86	12	101	471
58	1	99	439	90	153	44	104	559
60	1	102	433	95	200	72	103	634
64	2	102	429	96	218	80	102	676
75	9	99	438	92	209	77	101	660
80	10	99	446	96	210	78	102	660
56	1	97	436	96	214	79	101	667
56	1	96	433	96	214	79	101	664
57	1	96	433	96	212	78	102	660
56	0	96	433	96	213	78	101	664
57	0	96	429	96	212	78	101	660
57	0	96	432	96	214	79	101	669
57	0	96	430	96	214	80	101	663
57	0	96	433	96	214	79	101	663
57	0	96	432	96	213	78	101	664
58	0	96	432	96	214	80	101	664
56	0	96	429	96	213	80	102	660
57	0	97	432	96	213	79	102	667
57	1	96	432	96	213	79	101	659
57	0	97	432	96	213	79	101	659
57	0	98	434	96	214	79	101	660
58	1	97	429	96	213	79	101	659
58	0	96	430	96	214	80	101	659
15	12	100	451	96	211	77	102	655
16	13	100	460	96	211	77	102	659
16	14	100	463	96	210	77	102	658
13	13	100	463	96	210	77	101	657
19	14	99	465	96	214	79	101	660
19	14	99	463	96	212	79	101	659
17	14	100	465	96	212	78	101	659
18	14	99	465	96	213	78	102	659
18	14	102	465	96	213	78	101	659
19	14	100	463	96	212	78	101	659
19	14	99	463	96	212	78	102	660
18	15	100	463	96	212	78	102	659
18	14	100	463	*	213	79	100	664
12	16	96	477	83	74	8	97	485
12	13	94	466	84	80	11	97	460
12	8	95	456	86	93	18	97	467
11	15	100	474	81	89	13	101	465
17	13	96	471	85	87	12	101	462
18	13	*	471	85	87	12	102	466

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
98	30	15	83	87	13	100	470
99	30	34	85	86	13	99	472
100	30	52	84	86	13	100	471
101	31	11	84	86	13	100	471
102	31	29	84	87	13	*	472
103	31	48	84	87	13	*	470
104	32	7	84	87	13	99	470
105	32	25	84	87	13	99	472
106	32	44	84	86	13	100	470
107	33	3	92	176	61	100	591
108	33	21	97	229	89	99	680
109	33	40	98	246	96	99	713
110	33	59	86	98	17	102	509
111	34	17	84	89	15	100	471
112	34	36	83	81	11	98	458
113	34	55	84	81	12	98	458
114	35	13	84	81	11	98	461
115	35	32	83	81	11	97	461
116	35	50	83	80	11	*	460
117	36	9	83	81	11	99	460
118	36	28	83	81	11	98	460
119	36	46	84	81	11	98	463
120	37	5	84	81	11	97	460
121	37	24	91	142	45	102	540
122	37	42	97	247	96	100	709
123	38	1	99	248	96	99	718
124	38	20	96	247	96	98	718
125	38	38	97	246	96	99	718
126	38	57	97	246	96	100	720
127	39	15	102	246	96	100	718
128	39	34	99	246	96	99	718
129	39	53	*	246	96	98	716
130	40	11	98	246	95	99	718
131	40	30	96	245	96	97	718
132	40	49	97	245	96	99	715
133	41	7	96	245	95	100	718
134	41	26	97	245	96	99	716
135	41	45	96	245	95	100	718
136	42	3	97	245	96	99	718
137	42	22	99	245	96	*	718
138	42	41	97	244	96	99	716
139	42	59	97	245	95	98	716
140	43	18	97	245	96	99	716
141	43	36	97	244	96	99	718
142	43	55	97	244	95	99	718
143	44	14	97	244	95	99	715
144	44	32	98	245	95	100	715
145	44	51	96	245	95	99	715
146	45	10	96	245	95	99	715
147	45	28	97	245	95	99	715

06 1 EL OW HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
7	13	100	470	86	87	12	102	465
6	13	99	472	85	88	12	102	484
5	13	100	471	85	88	12	101	466
6	13	100	471	81	88	12	101	465
7	13	*	472	85	88	12	101	465
7	13	*	470	85	88	13	101	466
7	13	99	470	85	88	12	102	466
7	13	99	472	85	88	12	102	468
6	13	100	470	84	88	12	103	467
6	61	100	591	86	91	13	102	470
9	89	99	680	85	88	12	101	467
6	96	99	713	86	91	14	101	484
8	17	102	509	86	95	14	101	471
9	15	100	471	86	92	14	101	484
1	11	98	458	85	91	14	100	473
1	12	98	458	85	91	14	100	470
1	11	98	461	91	91	14	100	472
1	11	97	461	85	91	14	101	470
0	11	*	460	85	90	14	100	471
1	11	99	460	85	90	14	101	470
1	11	98	460	86	90	14	100	484
1	11	98	463	88	91	14	100	470
1	11	97	460	85	90	14	101	471
2	45	102	540	80	59	*	103	451
7	96	100	709	82	67	1	102	437
8	96	99	718	81	61	*	101	484
7	96	98	718	81	64	1	101	437
6	96	99	718	82	66	1	100	438
6	96	100	720	80	61	*	101	438
6	96	100	718	80	61	*	101	437
6	96	99	718	80	61	*	101	438
6	96	98	716	80	62	*	101	442
6	95	99	718	80	61	*	101	440
5	96	97	718	80	62	*	100	435
5	96	99	715	79	60	*	101	438
5	95	100	718	80	61	*	*	440
5	96	99	716	80	63	*	100	440
5	95	100	718	82	61	*	101	443
5	96	99	718	80	61	*	100	440
5	96	*	718	80	61	*	101	442
4	96	99	716	82	60	*	101	438
5	95	98	716	80	61	*	*	442
5	96	99	716	82	61	*	101	442
4	96	99	713	80	61	*	101	443
4	95	99	718	82	61	*	101	440
4	95	99	715	80	61	*	102	443
5	95	100	715	85	60	*	101	442
5	95	99	715	80	61	*	100	440
5	95	99	715	81	61	*	102	446
5	95	99	715	80	61	*	101	442

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
148	45	47	97	245	95	98	714
149	46	5	97	245	95	99	715
150	46	24	97	246	96	99	715
151	46	43	96	246	96	98	714
152	47	1	97	246	96	*	714
153	47	20	96	245	96	98	715
154	47	39	97	246	96	99	715
155	47	57	86	113	26	103	530
156	48	16	79	56	0	99	461
157	48	35	78	56	1	*	448
158	48	53	78	56	1	96	446
159	49	12	78	57	1	*	441
160	49	30	78	58	1	98	434
161	49	49	84	88	15	98	458
162	50	8	84	90	16	98	471
163	50	26	80	62	0	98	448
164	50	45	85	63	3	97	439
165	51	3	79	59	0	99	434
166	51	22	79	59	1	97	433
167	51	41	79	58	1	90	436
168	51	59	78	58	1	97	433
169	52	18	78	59	0	99	434
170	52	37	78	59	0	98	438
171	52	55	78	58	1	97	433
172	53	14	78	58	0	99	434
173	53	32	78	58	1	99	433
174	53	51	78	58	1	99	430
175	54	10	77	58	1	97	430
176	54	28	79	58	0	98	432
177	54	47	79	59	0	*	432
178	55	5	78	58	1	99	433
179	55	24	78	58	1	98	430
180	55	43	78	59	1	97	433
181	56	1	77	59	1	98	433
182	56	20	78	58	1	98	432
183	56	39	78	59	1	99	433
184	56	57	78	58	1	100	432
185	57	16	78	58	1	98	433
186	57	34	78	58	0	98	430
187	57	53	78	58	1	98	432
188	58	12	78	58	1	97	432
189	58	30	78	59	1	97	430
190	58	49	78	59	1	98	433
191	59	8	78	58	1	98	433
192	59	26	83	78	8	99	452
193	59	45	83	86	12	100	463
194	60	3	83	85	12	102	461
195	60	22	83	85	12	100	462
196	60	41	83	85	12	101	460
197	60	59	83	85	12	100	461

1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
95	98	714	80	60	*	102	442
95	99	715	80	61	*	101	440
96	99	715	80	60	*	102	446
96	98	714	80	61	*	101	442
96	*	714	80	61	*	101	441
96	98	715	79	61	*	101	438
96	99	715	80	61	*	101	458
26	103	530	79	59	*	101	448
0	99	461	88	113	23	103	496
1	*	448	87	115	23	104	505
1	96	446	88	114	23	103	510
1	*	441	88	114	24	104	510
1	98	434	97	238	89	100	694
15	98	458	91	78	7	99	501
16	98	471	84	76	6	100	461
0	98	448	88	111	22	*	496
3	97	439	98	239	92	99	687
0	99	434	98	239	89	102	697
1	97	433	97	237	89	*	698
1	98	436	98	238	90	102	699
1	97	433	98	238	90	102	699
0	99	434	98	237	90	102	696
0	98	436	98	237	90	101	699
1	97	433	97	236	89	103	696
0	99	434	97	237	90	101	697
1	99	433	*	237	90	101	696
1	99	430	98	237	91	101	693
1	97	430	98	237	90	101	694
0	98	432	97	237	91	101	694
0	*	432	98	236	90	101	696
1	99	433	98	238	91	101	699
1	98	430	98	237	91	101	694
1	97	433	97	237	90	101	696
1	98	433	98	238	91	101	701
1	98	432	*	237	91	101	693
1	99	433	97	238	91	101	697
1	100	432	98	238	91	101	693
1	99	433	*	238	91	101	694
0	98	430	97	238	91	101	694
1	98	432	98	239	91	100	698
1	97	432	98	237	91	101	697
1	97	430	97	238	91	101	697
1	98	433	97	239	90	101	693
1	98	433	98	237	91	*	697
8	99	452	85	86	10	102	494
12	100	463	86	85	10	102	463
12	102	461	84	85	9	102	460
12	100	462	85	85	*	103	460
12	101	460	85	85	*	103	456
12	100	461	84	85	10	102	461

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-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
198	61	18	83	85	12	100	461
199	61	36	84	87	13	100	466
200	61	55	86	111	25	99	502
201	62	14	86	111	25	99	505
202	62	32	86	110	25	*	509
203	62	51	86	110	25	98	512
204	63	10	87	111	25	98	507
205	63	28	64	36	0	62	484
206	63	47	49	6	*	43	503
207	64	6	12	0	*	11	336
208	64	24	4	*	*	8	259
209	64	43	1	0	*	0	235
210	65	1	0	0	*	0	232
211	65	20	0	*	*	0	246
212	65	39	26	0	7	6	244
213	65	57	10	*	*	11	193

1-06 .1 UEL LOW /HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
85	12	100	461	85	85	9	102	458
87	13	100	466	84	86	10	102	460
1	25	99	502	68	39	*	72	448
1	25	99	505	67	40	*	69	494
3	25	*	509	66	40	*	68	504
0	25	98	512	66	41	*	68	509
1	25	98	507	66	41	*	68	534
36	0	62	484	35	*	*	39	456
6	*	43	503	10	*	*	11	295
0	*	11	336	3	*	66	9	231
*	*	8	259	0	*	*	1	216
0	*	0	235	0	*	*	1	220
0	*	0	232	0	*	*	1	236
*	*	0	246	0	*	*	1	249
8	7	6	244	0	*	*	1	258
4	*	11	193	23	*	24	7	254

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25B +125 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
1	0	5	0	*	*	0	0
2	0	24	0	*	*	1	0
3	0	42	0	*	*	0	0
4	1	1	0	*	*	1	0
5	1	20	0	*	*	1	0
6	1	38	0	*	*	2	0
7	1	57	0	*	*	1	0
8	2	16	0	*	*	2	0
9	2	35	0	*	*	2	0
10	2	53	0	*	*	2	0
11	3	12	0	*	*	0	0
14	4	8	0	*	*	1	0
15	4	27	0	*	*	1	0
16	4	45	0	*	*	1	0
17	5	4	0	*	*	1	0
18	5	23	0	*	*	1	0
19	5	41	0	*	*	3	0
20	6	0	0	*	*	2	0
21	6	19	0	*	*	3	0
22	6	38	0	*	*	2	0
23	6	56	0	*	*	1	0
24	7	15	0	*	*	2	0
25	7	34	0	*	*	1	0
26	7	52	0	*	*	1	0
27	8	11	0	*	*	6	3
28	8	30	5	*	*	7	5
29	8	48	1	*	*	*	2
30	9	7	0	*	*	*	1
31	*	*	0	*	*	*	1
32	9	44	0	*	*	0	1
33	10	3	0	*	*	0	1
34	10	22	0	*	*	1	1
35	10	40	0	*	*	0	1
36	10	59	5	20	*	15	6
37	11	18	17	20	*	30	15
38	11	36	28	19	*	31	13
39	11	55	33	19	*	30	17
40	*	*	36	20	*	28	16
41	12	32	35	22	*	29	14
42	12	51	62	38	*	52	21
43	13	10	89	61	*	51	20
44	13	28	102	98	*	52	20
45	13	47	102	98	*	54	20
46	14	5	102	98	*	52	20
47	14	*	102	98	*	52	20

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25B +125 DEG F

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1-17 R.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
*	*	0	0	2	0	1	2
*	*	1	0	1	0	4	1
*	*	0	0	3	1	2	2
*	*	1	0	1	1	3	2
*	*	1	0	2	1	2	1
*	*	2	0	1	0	2	2
*	*	1	0	1	1	2	2
*	*	2	0	1	1	1	2
*	*	2	0	1	0	3	2
*	*	2	0	2	2	3	2
*	*	0	0	3	32	3	2
*	*	1	0	0	30	0	3
*	*	1	0	2	30	2	2
*	*	1	0	1	29	0	2
*	*	1	0	2	29	0	2
*	*	1	0	2	30	2	0
*	*	3	0	0	30	1	2
*	*	2	0	2	30	1	2
*	*	3	0	2	29	3	1
*	*	2	0	0	29	2	2
*	*	1	0	2	29	1	2
*	*	2	0	2	29	1	2
*	*	1	0	1	30	0	2
*	*	1	0	2	29	0	2
*	*	6	3	2	29	1	3
*	*	7	5	1	29	2	4
*	*	*	2	2	28	4	2
*	*	*	1	1	29	0	3
*	*	*	1	1	29	0	2
*	*	0	1	2	29	2	2
*	*	0	1	1	29	2	3
*	*	1	1	2	28	2	2
*	*	0	1	0	29	0	2
[illegible]	*	15	8	2	30	2	9
[illegible]	*	30	15	7	29	4	16
19	*	31	13	14	29	12	16
19	*	30	17	19	28	17	19
[illegible]	*	28	16	19	30	16	19
[illegible]	*	29	14	18	31	21	16
[illegible]	*	52	21	56	29	51	69
[illegible]	*	51	20	66	27	57	73
98	*	52	20	69	28	52	90
98	*	54	20	68	28	55	87
[illegible]	*	52	20	72	29	54	87
[illegible]	*	52	20	66	29	53	86

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-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
48	14	43	103	98	*	52	20
49	15	1	102	98	19	52	19
50	15	20	103	98	20	53	21
51	15	39	103	98	72	51	22
52	15	57	100	83	80	48	20
53	16	16	102	83	81	49	20
54	16	35	100	83	81	49	18
55	16	53	101	83	81	47	20
56	17	12	100	83	82	48	19
57	17	31	103	72	95	43	19
58	17	49	100	72	96	44	17
59	18	8	102	72	94	44	19
60	18	27	99	72	86	46	21
61	18	45	99	72	86	48	18
62	19	4	100	60	86	42	17
63	19	23	100	60	86	42	17
64	19	41	100	60	86	42	18
65	20	0	100	60	86	42	21
66	20	18	*	60	86	42	18
67	20	37	100	60	86	43	20
68	20	56	100	60	86	43	18
69	21	14	100	60	86	43	20
70	21	33	100	60	86	42	16
71	21	52	100	60	86	44	16
72	22	10	100	60	86	42	17
73	22	29	*	60	86	43	18
74	22	48	102	60	86	42	18
75	23	6	100	60	86	42	19
76	23	25	100	60	86	43	16
77	23	43	100	60	86	43	18
78	24	2	*	69	86	42	17
79	24	21	100	76	86	47	20
80	24	39	100	76	86	48	19
81	24	58	100	76	86	50	19
82	25	17	100	76	86	51	21
83	25	35	100	76	86	49	20
84	25	54	*	76	86	47	21
85	26	13	100	76	86	51	18
86	26	31	100	76	86	49	18
87	26	50	100	76	86	49	20
88	27	9	100	76	86	50	19
89	27	27	100	76	86	49	20
90	27	46	102	76	86	49	18
91	28	4	99	76	86	48	20
92	28	23	96	71	67	48	18
93	28	42	96	69	69	48	18
94	29	0	96	73	74	44	21
95	29	19	100	83	80	49	19
96	29	38	102	83	80	49	18
97	29	56	100	83	80	48	18

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
18	*	52	20	69	29	54	87
78	19	52	19	69	28	52	89
5	20	53	21	71	27	55	86
0	72	51	22	69	26	54	87
3	80	48	20	69	30	63	68
3	81	49	20	69	26	60	78
3	81	49	18	71	29	62	70
3	81	47	20	68	26	63	69
3	82	48	19	67	27	60	71
2	95	43	19	66	26	55	47
2	96	44	17	64	27	66	48
72	94	44	19	68	28	60	52
72	86	46	21	68	28	63	63
72	86	48	18	69	27	61	66
8	86	42	17	65	29	62	45
0	86	42	17	71	25	61	45
0	86	42	18	60	26	62	44
0	86	42	21	66	26	61	45
0	86	42	18	71	26	66	45
0	86	43	20	64	26	63	44
0	86	43	18	66	28	61	45
0	86	43	20	64	24	63	44
0	86	42	16	80	29	64	45
0	86	44	16	61	28	62	45
0	86	42	17	60	23	64	44
0	86	43	18	71	26	64	44
0	86	42	18	64	25	63	45
0	86	42	19	73	26	65	44
0	86	43	16	65	26	63	45
0	86	43	18	64	26	63	45
0	86	42	17	60	26	63	46
0	86	47	20	67	27	63	68
0	86	48	19	71	26	61	69
0	86	50	19	61	29	64	69
0	86	51	21	61	26	66	71
0	86	49	20	61	25	63	70
0	86	47	21	67	26	63	70
0	86	51	18	71	26	65	69
0	86	49	18	65	26	65	70
0	86	49	20	74	26	65	70
0	86	50	19	68	26	64	70
0	86	49	20	66	26	65	69
0	86	49	18	67	27	64	70
0	86	48	20	70	27	63	71
0	87	48	18	67	24	64	71
0	89	48	18	66	26	64	65
0	74	44	21	71	27	64	57
0	80	49	19	68	24	65	72
0	80	49	18	71	27	66	69
0	80	48	18	69	24	65	68

1388

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1-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
98	30	15	100	83	80	48	19
99	30	34	100	83	80	50	21
100	30	52	100	83	80	49	18
101	31	11	100	83	80	48	20
102	31	29	100	83	80	48	18
103	31	48	100	84	80	45	19
104	32	7	100	83	81	48	19
105	32	25	100	83	80	49	18
106	32	44	100	85	80	47	20
107	33	3	102	87	72	61	22
108	33	21	100	89	70	64	23
109	33	40	101	93	70	63	20
110	33	59	100	79	79	45	20
111	34	17	100	79	79	45	19
112	34	36	100	77	79	45	18
113	34	55	100	77	78	47	17
114	35	13	99	77	79	48	19
115	35	32	99	77	78	48	18
116	35	50	100	78	79	48	20
117	36	9	99	77	79	48	17
118	36	28	99	77	79	46	18
119	36	46	98	78	79	48	19
120	37	5	100	77	79	45	18
121	37	24	*	96	71	55	22
122	37	42	100	96	66	63	22
123	38	1	100	96	66	66	23
124	38	20	*	96	66	63	23
125	38	38	99	96	65	61	25
126	38	57	100	96	65	62	22
127	39	15	100	97	65	63	24
128	39	34	100	96	65	60	23
129	39	53	*	96	65	60	24
130	40	11	100	96	65	60	21
131	40	30	100	96	65	61	22
132	40	49	100	96	65	61	25
133	41	7	99	96	65	62	24
134	41	26	99	97	65	61	26
135	41	45	100	96	65	61	23
136	42	3	100	96	65	63	23
137	42	22	100	96	65	61	22
138	42	41	100	96	65	60	22
139	42	59	100	96	65	62	23
140	43	18	102	96	65	62	26
141	43	36	99	96	65	63	22
142	43	55	100	96	65	64	25
143	44	14	100	96	65	60	24
144	44	32	100	96	65	63	22
145	44	51	100	96	65	57	24
146	45	10	99	96	65	64	22
147	45	28	99	96	65	64	21

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
83	80	48	19	63	25	63	69
83	80	50	21	64	29	64	69
83	80	49	18	68	25	65	69
83	80	48	20	69	26	65	69
83	80	48	18	61	26	66	69
84	80	45	19	71	26	66	69
83	81	48	19	71	26	65	68
83	80	49	18	66	26	63	68
85	80	47	20	62	23	66	72
87	72	61	22	68	26	64	126
89	70	64	23	71	29	63	146
93	70	63	20	64	25	64	148
79	79	45	20	63	25	63	72
79	79	46	19	64	26	65	72
77	79	45	18	65	24	65	66
77	78	47	17	68	23	65	65
77	79	48	19	62	25	67	66
77	78	48	18	62	25	64	66
78	79	48	20	71	27	65	65
77	79	48	17	66	26	65	65
77	79	46	18	71	26	65	65
78	79	48	18	62	26	66	65
77	79	45	18	71	25	65	65
96	71	55	22	71	25	63	113
96	66	63	22	71	26	65	149
96	66	66	23	63	29	63	149
96	66	63	23	68	24	64	149
96	65	61	25	65	29	65	149
96	65	62	22	63	27	64	148
97	65	63	24	68	25	64	150
96	65	60	23	66	24	64	150
96	65	60	24	66	24	66	149
96	65	60	21	62	24	65	150
96	65	61	22	65	26	65	149
96	65	61	25	64	24	64	150
96	65	62	24	68	23	64	149
97	65	61	26	69	24	65	150
96	65	61	23	65	25	64	149
96	65	63	23	60	24	65	149
96	65	61	22	68	24	64	150
96	65	60	22	66	24	66	150
96	65	62	23	58	24	66	149
96	65	62	26	63	27	66	149
96	65	63	22	65	24	65	151
96	65	64	25	65	23	66	148
96	65	60	24	68	26	65	148
96	65	63	22	66	25	66	148
96	65	57	24	63	24	66	149
96	65	64	22	69	26	65	149
96	65	64	21	59	26	65	150

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1-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
148	45	47	100	96	65	66	22
149	46	5	100	96	65	63	23
150	46	24	99	96	65	64	24
151	46	43	100	96	65	61	24
152	47	1	100	96	65	55	24
153	47	20	100	96	65	61	24
154	47	39	100	96	65	61	26
155	47	57	*	97	74	46	17
156	48	16	101	72	90	39	17
157	48	35	102	72	94	41	16
158	48	53	102	72	93	40	16
159	49	12	*	72	94	41	16
160	49	30	100	65	95	40	20
161	49	49	99	82	76	48	20
162	50	8	98	82	76	48	21
163	50	26	103	71	93	41	19
164	50	45	102	65	95	42	17
165	51	3	101	65	95	42	17
166	51	22	100	65	95	43	17
167	51	41	100	64	95	41	17
168	51	59	100	64	95	43	19
169	52	18	100	64	95	42	19
170	52	37	100	64	95	42	16
171	52	55	102	64	95	43	18
172	53	14	100	64	95	43	19
173	53	32	102	64	95	42	18
174	53	51	102	64	95	43	20
175	54	10	100	64	96	43	20
176	54	28	99	64	95	42	17
177	54	47	99	64	95	42	19
178	55	5	99	64	95	43	18
179	55	24	101	64	95	42	19
180	55	43	99	64	95	43	17
181	56	1	100	64	95	43	17
182	56	20	100	64	96	44	18
183	56	39	100	64	95	42	17
184	56	57	100	64	95	43	18
185	57	16	100	64	95	43	20
186	57	34	99	64	95	42	19
187	57	53	100	64	95	42	18
188	58	12	100	64	95	42	20
189	58	30	100	64	95	45	18
190	58	49	100	64	95	43	20
191	59	8	99	64	95	42	19
192	59	26	102	82	77	48	21
193	59	45	100	84	82	51	20
194	60	3	101	84	82	47	22
195	60	22	101	84	82	46	20
196	60	41	102	84	82	47	22
197	60	59	101	84	82	51	18

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
95	65	66	22	69	27	65	150
96	65	63	23	54	24	66	149
96	65	64	24	57	23	64	149
96	65	61	24	66	23	65	149
96	65	55	24	58	21	65	149
96	65	61	24	60	25	69	149
96	65	61	26	55	25	65	150
87	74	46	17	48	26	64	86
72	90	39	17	60	23	66	43
72	94	41	16	71	26	66	46
72	93	40	16	72	26	67	43
72	94	41	16	66	24	66	46
85	95	40	20	66	24	66	46
82	76	48	20	66	24	66	70
82	76	48	21	70	24	66	74
71	93	41	19	63	25	66	44
85	95	42	17	63	24	63	51
85	95	42	17	63	26	66	44
85	95	43	17	69	24	66	45
84	95	41	17	66	23	66	46
84	95	43	19	67	24	65	46
84	95	42	19	63	26	65	43
84	95	42	16	61	23	65	44
84	95	43	18	60	26	65	46
84	95	43	19	70	25	65	45
84	95	42	18	69	24	66	45
84	95	43	20	72	24	64	46
84	96	43	20	64	24	65	45
84	95	42	17	72	22	65	44
84	95	42	19	67	25	65	44
84	95	43	18	62	25	66	44
84	95	42	19	67	24	66	44
84	95	43	17	65	24	63	46
84	95	43	17	62	26	65	45
84	96	44	18	69	23	66	45
84	95	42	17	63	24	64	45
84	95	43	18	71	25	64	46
84	95	43	20	66	26	64	44
84	95	42	19	66	23	66	45
84	95	42	18	67	25	64	46
84	95	42	20	69	24	65	45
84	95	45	18	64	23	66	45
84	95	43	20	66	25	66	46
84	95	42	19	74	23	65	45
82	77	48	21	70	24	66	65
84	82	51	20	64	26	65	68
84	82	47	22	69	25	66	66
84	82	46	20	71	25	66	67
84	82	47	22	65	25	66	68
84	82	51	18	66	29	66	68

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-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
198	61	18	101	84	82	51	18
199	61	36	102	84	83	51	19
200	61	55	100	86	21	54	20
201	62	14	98	86	21	54	22
202	62	32	98	86	21	51	20
203	62	51	100	86	21	49	21
204	63	10	99	86	21	52	22
205	63	28	69	22	*	27	14
206	63	47	47	*	*	9	8
207	64	6	34	*	*	*	1
208	64	24	25	*	*	*	1
209	64	43	18	*	*	*	1
210	65	1	14	*	*	1	1
211	65	20	12	*	*	2	0
212	65	39	9	*	*	5	4
213	65	57	7	*	*	0	1

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
84	82	51	18	69	24	66	66
84	83	51	19	70	23	66	68
86	21	54	20	70	25	64	84
86	21	54	22	67	24	64	84
86	21	51	20	64	28	66	84
86	21	49	21	68	26	65	84
86	21	52	22	83	23	64	85
22	*	27	14	55	27	51	21
*	*	9	8	17	24	31	4
*	*	*	1	2	26	16	2
*	*	*	1	1	27	9	2
*	*	*	1	2	24	5	2
*	*	1	1	2	24	3	2
*	*	2	0	2	24	3	1
*	*	5	4	3	26	2	4
*	*	0	1	2	24	2	2

1391

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 258 +125 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
1	0	7	1	20	15	0	30
2	0	26	0	25	20	0	10
3	0	45	0	5	10	0	15
4	1	3	0	10	20	0	5
5	1	22	1	15	5	0	15
6	1	41	0	10	20	0	15
7	1	59	1	30	10	0	35
8	2	18	0	10	15	0	20
9	2	37	0	15	15	0	15
10	2	56	0	20	30	0	20
11	3	14	0	15	15	40	3030
14	4	10	0	10	25	44	3005
15	4	29	0	30	20	32	3060
16	*	*	0	20	40	39	2865
17	5	6	*	30	15	32	3060
18	5	25	*	30	5	40	3045
19	*	*	*	20	20	44	3055
20	6	2	*	5	20	25	3110
21	6	21	*	5	0	22	3125
22	*	*	*	30	15	21	2920
23	*	*	*	5	20	32	3045
24	7	17	*	20	20	21	2920
25	7	36	*	20	5	32	3020
26	7	55	*	20	5	44	2955
27	8	13	*	30	15	40	2980
28	8	32	0	513	522	32	2970
29	8	51	2	553	557	26	3025
30	9	9	0	191	185	32	3020
31	9	28	1	30	35	21	2920
32	9	47	0	20	30	23	3005
33	10	5	0	50	15	39	2880
34	10	24	*	20	0	36	3020
35	10	42	*	15	15	40	3050
36	11	1	3	568	602	33	3020
37	11	20	33	2673	2761	21	2920
38	11	37	17	2890	2916	22	2865
39	11	57	16	2910	2906	32	3020
40	12	16	34	2905	2911	24	2865
41	12	34	31	2920	2901	24	2955
42	12	53	24	3031	3001	32	3003
43	13	12	34	2945	3017	25	2950
44	13	30	27	3061	3017	33	2970
45	13	49	32	3031	2976	23	3005
46	14	8	29	3046	3022	33	2865
47	31	6	32	2993	3017	31	2970

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25B +125 DEG F

1392

2-06 AGE HYD. UMP LET SS IG	2-07 1STAGE HYD. PUMP (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. PUMP (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
20	15	0	30	24	10	10	6	0
25	20	0	10	19	10	4	6	0
5	10	0	15	19	6	6	8	0
0	20	0	5	39	6	2	8	0
5	5	0	15	19	4	12	6	0
10	20	0	15	29	8	6	12	0
30	10	0	35	14	8	8	6	0
10	15	0	20	29	4	8	8	0
5	15	0	15	14	6	4	6	0
0	30	0	20	19	10	6	10	0
5	15	40	3030	3031	32	36	40	28
10	25	44	3005	2996	44	32	44	30
30	20	32	3060	2981	38	36	38	30
0	40	39	2885	2981	34	34	40	30
0	15	32	3080	2981	30	40	38	30
0	5	40	3045	2981	1053	1045	42	30
0	20	44	3055	2981	1047	1045	44	27
5	20	25	3110	3006	1045	1051	40	28
5	0	22	3125	2817	44	40	42	31
30	15	21	2920	2967	1035	1039	42	29
5	20	32	3045	2952	1041	1041	42	28
0	20	21	2920	2947	1041	1037	40	30
0	5	32	3020	2937	1031	1043	42	31
20	5	44	2955	2972	1035	1043	44	28
50	15	40	2980	2937	1027	1037	50	31
3	522	32	2870	2942	1037	1041	34	32
5	557	26	3025	2952	1027	1037	36	29
1	185	32	3020	2862	1027	1029	44	29
0	35	21	2920	2952	1027	1027	34	30
20	30	23	3005	2947	1027	1035	42	27
50	15	39	2880	2962	1033	1033	48	29
0	0	36	3020	2957	1020	1033	40	29
5	15	40	3050	2952	1027	1027	52	31
38	602	33	3020	2937	1021	1035	44	24
3	2761	21	2920	2981	1031	1035	38	29
30	2916	22	2885	2952	1021	1027	40	30
10	2906	32	3020	2952	1023	1029	44	30
15	2911	24	2885	2952	1027	1033	40	25
20	2901	24	2955	2937	1029	1029	48	30
1	3001	32	3000	2947	1021	1027	38	31
29	3017	25	2950	2907	1027	1027	48	27
31	3017	33	2970	2978	1027	1027	40	30
31	2976	23	3005	2962	1023	1027	42	26
26	3022	33	2885	2937	1021	1035	40	28
30	3017	31	2970	2912	1029	1025	48	30

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
48	14	45	40	2945	2991	23	2970
49	15	4	26	3081	3017	31	2945
50	15	22	35	3071	3001	26	3000
51	15	41	42	2945	2991	27	2990
52	16	0	42	3041	3006	33	2880
53	16	18	36	2990	2971	33	2975
54	16	37	40	2935	3001	32	2870
55	16	56	40	3121	2971	24	3005
56	17	14	40	3066	3017	23	2885
57	17	33	31	2970	2976	40	3010
58	17	52	32	2980	3012	22	3000
59	18	10	31	2980	2971	32	2995
60	18	29	29	2885	3017	40	2955
61	18	48	32	2980	2941	32	3020
62	19	6	35	2970	2971	29	3010
63	19	25	32	2980	3012	26	3100
64	19	43	34	3061	2971	40	2995
65	20	2	33	3026	2976	33	3000
66	20	21	33	2980	3012	33	3020
67	20	39	30	2975	2971	36	2950
68	20	58	41	2930	2956	32	3020
69	21	17	26	2980	2971	33	3020
70	21	35	30	2980	2936	33	3020
71	21	54	32	2980	2981	40	2880
72	22	13	32	2980	2971	24	2880
73	22	31	25	2970	2936	27	2940
74	22	50	41	2980	2941	40	2975
75	23	8	32	3026	2976	27	3000
76	23	27	34	2885	2956	36	2990
77	23	46	21	2885	3017	32	3020
78	24	4	34	2980	2936	29	2880
79	24	23	29	3020	3017	27	2970
80	24	42	31	3010	2971	40	3005
81	25	0	29	2940	2926	23	2955
82	25	19	32	2940	2926	32	3000
83	25	38	20	2980	2941	32	2995
84	25	56	32	3026	2971	20	2920
85	26	15	21	2885	3012	40	2955
86	26	34	32	3026	2971	32	3020
87	26	52	30	2980	2931	33	2955
88	27	11	33	2895	3012	23	2975
89	27	29	32	2960	2971	40	3020
90	27	48	30	2980	2936	32	2955
91	28	7	32	2960	2981	26	3100
92	28	25	30	2960	2966	26	3040
93	28	44	24	2960	2971	33	3010
94	29	3	27	2980	2956	41	3020
95	29	21	33	3061	2956	20	3020
96	29	40	30	2980	2981	31	2920
97	29	59	34	2960	2931	40	2995

-06 GE O. UMP ET SS IG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
45	2991	23	2970	2952	1037	1029	42	29
81	3017	31	2945	2952	1019	1027	50	32
71	3001	26	3000	2937	1033	1023	40	29
45	2991	27	2990	2942	1023	1027	44	30
01	3006	33	2880	2932	1019	1029	34	31
90	2971	33	2975	2937	1021	1027	44	30
35	3001	32	2870	2947	1021	1027	48	30
21	2971	24	3005	2942	1015	1021	40	29
86	3017	23	2885	2937	1021	1027	44	32
70	2976	40	3010	2937	1027	1013	38	30
80	3012	22	3000	2947	1021	1027	40	27
80	2971	32	2995	2937	1021	1029	42	30
85	3017	40	2955	2907	1021	1027	44	28
80	2941	32	3020	2947	1023	1023	38	32
70	2971	29	3010	2952	1017	1021	32	31
90	3012	26	3100	2932	1025	1021	44	30
81	2971	40	2955	2932	1025	1021	36	30
26	2976	33	3000	2937	1025	1027	44	27
90	3012	33	3020	2932	1015	1027	34	30
75	2971	36	2950	2942	1021	1027	30	26
80	2956	32	3020	2937	1029	1027	42	26
80	2971	33	3020	2932	1023	1019	40	30
80	2936	33	3020	2962	1015	1023	38	32
80	2981	40	2880	2972	1021	[illegible]	34	27
80	2971	24	2880	2917	1021	1021	40	27
70	2936	27	2940	2932	1015	1023	38	28
80	2941	40	2975	2942	1015	1023	36	30
26	2976	27	3000	2897	1017	1017	48	31
85	2956	36	2990	2947	1011	1027	40	26
85	3017	32	3020	2952	1013	1023	34	30
80	2936	29	2880	2952	1019	1013	38	27
20	3017	27	2970	2972	1009	1023	34	29
[illegible]	2971	40	3005	2932	1021	1009	48	29
[illegible]	2926	23	2955	2937	1021	1021	32	29
[illegible]	2926	32	3000	2937	1013	1015	40	28
80	2941	32	2995	2937	1013	1027	36	30
26	2971	20	2920	2952	1019	1009	40	29
15	3012	40	2955	2922	1021	1023	40	27
[illegible]	2971	32	3020	2932	1017	1017	30	27
[illegible]	2931	33	2955	2937	1023	1015	38	30
[illegible]	3012	23	2975	2917	1011	1023	34	30
[illegible]	2971	40	3020	2907	1015	1017	42	31
[illegible]	2936	32	2955	2937	1015	1021	30	27
[illegible]	2981	26	3100	2927	1015	1021	26	30
[illegible]	2986	26	3040	2912	1015	1013	36	29
[illegible]	2971	33	3010	2932	1017	1021	26	29
[illegible]	2956	41	3020	2917	1009	1019	38	30
[illegible]	2996	20	3020	2932	1021	1019	38	26
[illegible]	2961	31	2920	2942	1015	1015	36	28
[illegible]	2931	40	2995	2952	1015	1023	38	30

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
98	30	17	33	3026	2971	33	2900
99	30	36	21	2880	3012	22	2880
100	30	54	32	3066	2971	25	3000
101	31	13	21	2890	3012	21	2875
102	31	32	32	2980	3012	40	2955
103	31	50	33	2980	2931	26	3020
104	32	9	31	2890	2956	32	3005
105	32	28	32	2940	2976	33	2955
106	32	46	29	2970	3012	40	3020
107	33	5	35	2980	2971	33	2905
108	33	24	34	2900	2981	20	3020
109	33	42	26	2935	2971	23	2875
110	34	1	28	2980	2931	22	2880
111	34	20	44	3026	2971	33	2955
112	34	38	32	2885	2936	40	3020
113	34	57	41	3020	2941	27	2920
114	35	15	25	3020	2941	32	2955
115	35	34	30	2935	2941	23	2945
116	35	53	33	2950	2971	22	2945
117	36	11	25	2885	2941	32	2880
118	36	30	26	3020	2931	32	2880
119	36	49	33	2885	2941	34	2875
120	37	7	36	2975	2956	32	2980
121	37	26	35	3031	2971	30	2920
122	37	45	27	3061	2956	20	3020
123	38	3	33	3061	2971	22	2870
124	38	22	25	3026	2956	33	2880
125	38	40	26	2965	2956	32	3020
126	38	59	33	2960	2976	24	3020
127	39	18	25	2980	2971	32	2870
128	39	36	28	3061	2926	32	2955
129	39	55	30	2940	2971	33	2955
130	40	14	24	2900	2941	32	2955
131	40	32	27	2980	2971	21	2955
132	40	51	32	2880	2926	24	3020
133	41	10	22	2970	2931	32	2970
134	41	28	29	2965	2956	33	3020
135	41	47	25	2980	2981	26	2955
136	42	6	21	2900	2931	33	2990
137	42	24	40	2980	2941	22	3020
138	42	43	33	2965	2971	40	2920
139	43	1	33	2980	2971	27	2965
140	43	20	31	2905	2941	32	2955
141	43	39	21	2980	2971	22	2960
142	43	57	32	2885	3012	33	3020
143	44	16	22	2905	2941	33	3020
144	44	35	30	2935	2971	26	3000
145	44	53	30	3020	2906	26	2955
146	45	12	35	2915	2966	22	2870
147	45	30	28	2915	2966	20	3000

06 GE TO. MP ET SS IG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
6	2971	33	2900	2917	1011	1015	44	29
0	3012	22	2880	2942	1015	1019	36	30
5	2971	25	3000	2947	1015	1017	36	29
0	3012	21	2875	2917	1011	1027	38	29
0	3012	40	2955	2932	1021	1021	32	30
0	2931	26	3020	2932	1021	1019	32	32
0	2956	32	3005	2912	1017	1021	40	33
0	2976	33	2955	2917	1009	1015	32	28
0	3012	40	3020	2927	1009	1013	40	28
0	2971	33	2905	2917	1007	1027	34	30
0	2981	20	3020	2932	1015	1013	36	28
5	2971	23	2875	2882	1021	1019	30	30
0	2931	22	2880	2932	1011	1013	38	30
5	2971	33	2955	2907	1011	1013	34	30
5	2936	40	3020	2932	1013	1013	38	29
0	2941	27	2920	2932	1015	1009	40	30
0	2941	32	2955	2917	1015	1019	36	32
5	2941	23	2945	2922	1009	1017	32	30
0	2971	22	2945	2932	1015	1009	38	31
5	2941	32	2880	2937	1013	1009	36	30
	2931	32	2880	2937	1011	1013	40	30
	2941	34	2875	2927	1011	1023	32	29
5	2956	32	2900	2932	1023	1013	32	30
1	2971	30	2920	2912	1017	1013	30	30
1	2955	20	3020	2922	1013	1009	40	29
1	2971	22	2870	2917	1007	1023	32	28
	2956	33	2880	2897	1007	1019	40	28
	2956	32	3020	2932	1009	1021	30	30
	2976	24	3020	2922	1009	1015	28	30
0	2971	32	2870	2932	1009	1021	26	29
1	2926	32	2955	2922	1013	1009	36	31
	2971	33	2955	2937	1011	1011	26	32
	2941	32	2955	2937	1000	1011	38	29
	2971	21	2955	2897	1000	1017	26	30
	2926	24	3020	2937	1017	1007	32	28
	2931	32	2970	2932	1011	1011	36	29
	2956	33	3020	2897	1007	1013	32	26
	2981	26	2955	2927	1021	1013	28	30
	2931	33	2990	2937	1021	1015	40	29
	2941	22	3020	2957	1009	1019	26	29
	2971	40	2920	2922	1003	1013	34	30
	2971	27	2965	2922	1005	1011	28	30
	2941	32	2955	2937	1011	1013	28	26
	2971	22	2960	2942	1000	1017	32	30
	3012	33	3020	2917	1003	1017	34	27
	2941	33	3020	2907	1000	1009	32	26
	2971	28	3000	2917	1009	1013	38	29
	2906	26	2955	2942	1021	1011	40	29
	2966	22	2870	2922	1007	1015	32	30
	2966	20	3000	2932	1007	1017	34	27

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
148	45	49	31	2960	2971	31	3000
149	46	8	29	2980	2971	32	2945
150	46	26	32	2980	2971	33	3000
151	46	45	26	2915	2976	23	2920
152	47	4	24	2970	3012	40	2870
153	47	22	25	2980	2971	21	3000
154	47	41	34	2965	2971	33	2990
155	48	0	21	3071	2956	33	3010
156	48	18	21	3041	2976	33	2885
157	48	37	36	3031	2981	40	3010
158	48	55	26	2980	2936	40	3010
159	49	14	31	2940	2936	33	2930
160	49	33	24	2970	2971	40	2920
161	49	51	25	2885	2971	21	2875
162	50	10	34	2885	2961	22	2955
163	50	29	22	2864	2961	23	2995
164	50	47	31	2980	2921	21	2865
165	51	6	27	2980	2936	33	2945
166	51	24	22	3066	2991	22	2990
167	51	43	28	2890	2906	28	3020
168	52	2	26	2880	2956	33	2885
169	52	20	30	3026	2971	32	3020
170	52	39	24	2885	2971	26	3000
171	52	57	25	2885	2971	20	2990
172	53	16	34	2970	2961	21	2955
173	53	35	32	2885	2926	33	2955
174	53	53	24	2980	2981	33	2970
175	54	12	13	2895	2956	40	2955
176	54	31	21	3026	2956	21	2955
177	54	49	26	2940	3012	41	2865
178	55	8	41	2905	2941	27	2930
179	55	26	21	2935	2971	21	3020
180	55	45	30	2970	2971	33	2990
181	56	4	24	2980	3012	41	2875
182	56	22	32	3020	2941	41	3020
183	56	41	25	2980	2981	28	2880
184	56	59	26	2965	2971	33	3020
185	57	18	25	2970	2971	27	2945
186	57	37	30	2885	2926	27	2995
187	57	55	22	3066	2926	36	2995
188	58	14	21	3020	2931	40	2995
189	58	33	40	3020	3012	27	2990
190	58	51	26	2935	3012	26	2995
191	59	10	27	2980	2971	32	2890
192	59	28	32	3026	2926	32	2960
193	59	47	39	3020	2926	23	2925
194	60	6	34	2980	3012	31	2940
195	60	24	35	3020	2976	23	3020
196	60	43	35	2980	2906	24	3000
197	61	2	33	2885	2981	26	2885

06 GE TO. MP ET SS IG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
0	2971	31	3000	2927	1015	1015	32	27
0	2971	32	2945	2937	1011	1019	26	30
	2971	33	3000	2927	1009	1011	24	28
	2976	23	2920	2897	1003	1011	26	30
	3012	40	2870	2932	1007	1009	32	27
0	2971	21	3000	2917	1017	1021	40	30
5	2971	33	2990	2937	1013	1015	36	32
	2956	33	3010	2952	1021	1017	36	29
	2976	33	2885	2917	1009	1011	32	30
	2981	40	3010	2937	1019	1031	26	30
	2936	40	3010	2932	1019	1019	40	30
0	2936	33	2930	2942	1003	1015	26	30
0	2971	40	2920	2947	1015	1009	36	30
	2971	21	2875	2932	1017	1013	36	28
	2961	22	2955	2922	1019	1019	36	29
	2961	23	2995	2897	1015	1019	28	30
	2921	21	2865	2902	1025	1019	38	30
0	2936	33	2945	2932	1007	1009	30	28
5	2991	22	2990	2942	1009	1017	26	30
	2906	28	3020	2947	1007	1007	32	30
	2956	33	2885	2917	1005	1017	40	29
	2971	32	3020	2927	1015	1009	36	28
	2971	26	3000	2932	1011	1013	40	30
5	2971	20	2990	2952	1007	1009	28	29
	2961	21	2955	2917	1015	1009	32	28
	2926	33	2955	2922	1015	1013	38	30
	2981	33	2970	2927	1011	1011	36	28
	2956	40	2955	2932	1015	1009	32	32
	2956	21	2955	2897	1005	1019	32	29
	3012	41	2865	2922	1017	1015	32	27
	2941	27	2980	2897	1005	1019	26	29
	2971	21	3020	2897	1009	1015	40	28
	2971	33	2990	2937	1000	1023	26	30
	3012	41	2975	2952	1011	1013	22	27
	2941	41	3020	2932	1011	1015	38	30
	2981	28	2880	2937	1011	1009	32	26
	2971	33	3020	2912	1003	1015	26	29
	2971	27	2945	2942	1011	1015	22	29
	2926	27	2955	2917	1011	1009	36	24
	2928	36	2940	2932	1009	1007	34	31
	2931	40	3000	2917	1011	1009	26	29
	3012	27	2960	2927	1000	1017	30	30
	3012	26	2959	2922	1011	1015	24	30
	2971	32	2880	2942	1007	1007	32	30
	2926	32	2960	2912	1021	1007	36	28
	2926	23	2925	2952	1011	1011	26	30
	3012	31	2940	2932	1009	1013	36	30
	2976	23	3020	2937	1009	1015	28	28
	2906	24	3000	2932	1011	1009	38	29
	2981	26	2885	2932	1017	1013	40	30

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
198	61	20	32	2980	3012	37	2955
199	61	39	31	2990	3012	33	2880
200	61	57	22	2980	2961	20	2880
201	62	16	32	2885	2971	38	2960
202	62	35	27	3020	2926	40	2870
203	62	53	31	2980	2961	27	2960
204	63	12	27	2885	2926	23	2880
205	63	31	32	2890	2916	44	2880
206	63	49	27	2860	2811	33	2945
207	64	8	41	2779	2816	40	2920
208	64	27	13	2764	2766	27	2960
209	64	45	13	2678	2665	40	2965
210	65	4	21	2114	2153	26	2995
211	65	22	22	1460	1470	33	3000
212	65	41	22	1042	1059	26	2990
213	66	0	14	755	773	27	2990

06 GE D. MP LET SS IG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
0	3012	33	2955	2932	1015	1013	26	30
0	3012	33	2880	2917	1007	1021	22	30
0	2961	20	2880	2922	1021	1013	26	32
5	2971	36	2960	2907	1017	1013	32	30
0	2926	40	2870	2897	1011	1009	28	32
0	2961	27	2960	2917	1000	1013	28	28
5	2926	23	2880	2912	1015	1013	30	31
0	2916	44	2880	2927	1011	1019	26	28
0	2811	33	2945	2932	22	20	38	29
9	2816	40	2920	2932	30	14	26	26
4	2766	27	2960	2967	10	24	34	29
8	2665	40	2965	2932	22	16	36	30
4	2153	26	2995	2937	20	20	24	30
0	1470	33	3000	2942	22	24	40	27
2	1059	25	2990	2947	20	22	30	29
5	773	27	2990	2957	24	20	40	23

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-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
1	0	7	10	8
2	0	26	40	12
3	0	45	20	2
4	1	3	15	8
5	1	22	20	12
6	1	41	20	2
7	1	59	15	6
8	2	18	40	8
9	2	37	30	6
10	2	56	5	8
11	3	14	2908	1454
14	4	10	3030	1452
15	4	29	3085	1454
16	*	*	3030	1428
17	5	6	2954	1450
18	5	25	3135	1460
19	*	*	2923	1454
20	6	2	2954	1456
21	6	21	3070	1456
22	*	*	3005	1460
23	*	*	2954	1454
24	7	17	3070	1454
25	7	36	2929	1456
26	7	55	3045	1448
27	8	13	2830	1460
28	8	32	2999	1456
29	8	51	3030	1456
30	9	9	3019	1456
31	9	28	2934	1450
32	9	47	2929	1460
33	10	5	2934	1446
34	10	24	3019	1452
35	10	41	2934	1458
36	11	1	3030	1454
37	11	20	3136	1456
38	11	37	3019	1456
39	11	57	2959	1456
40	12	16	2611	1456
41	12	34	3100	1454
42	12	53	3030	1456
43	13	12	3004	1452
44	13	30	2913	1442
45	13	49	2984	1448
46	14	8	2984	1450
47	31	6	2999	1452

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
48	14	45	2959	1446
49	15	4	2881	1450
50	15	22	2979	1454
51	15	41	2979	1446
52	16	0	2989	1454
53	16	18	2994	1450
54	16	37	3030	1456
55	16	56	2944	1442
56	17	14	2979	1458
57	17	33	3030	1454
58	17	52	2954	1456
59	18	10	2954	1452
60	18	29	2994	1456
61	18	48	3080	1460
62	19	6	2959	1452
63	19	25	3030	1454
64	19	43	3080	1454
65	20	2	2934	1446
66	20	21	2893	1450
67	20	39	2929	1452
68	20	58	2934	1446
69	21	17	3080	1454
70	21	35	2984	1456
71	21	54	2923	1442
72	22	13	3030	1460
73	22	31	2903	1454
74	22	50	3030	1456
75	23	8	2934	1456
76	23	27	2989	1448
77	23	46	2934	1446
78	24	4	2959	1446
79	24	23	2939	1448
80	24	42	2939	1446
81	25	0	2949	1456
82	25	19	2929	1458
83	25	38	3030	1450
84	25	56	2959	1454
85	26	15	2944	1454
86	26	34	3030	1454
87	26	52	2969	1452
88	27	11	2913	1460
89	27	29	2929	1446
90	27	48	3030	1456
91	28	7	2964	1450
92	28	25	2989	1448
93	28	44	2974	1454
94	29	3	3040	1448
95	29	21	2979	1454
96	29	40	2929	1448
97	29	59	3131	1450

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. RCTARY RUDDER INLET PSIG
98	30	17	3080	1448
99	30	36	3030	1450
100	30	54	2923	1442
101	31	13	3030	1454
102	31	32	3030	1446
103	31	50	2954	1448
104	32	9	2934	1454
105	32	28	3019	1446
106	32	46	3019	1456
107	33	5	2929	1450
108	33	24	2918	1452
109	33	42	2954	1456
110	34	1	2903	1454
111	34	20	2954	1452
112	34	38	3035	1448
113	34	57	3009	1446
114	35	15	3131	1446
115	35	34	2954	1442
116	35	53	2939	1450
117	36	11	2934	1442
118	36	30	3030	1452
119	36	49	3030	1446
120	37	7	2918	1444
121	37	26	2964	1442
122	37	45	2918	1444
123	38	3	2929	1454
124	38	22	2868	1454
125	38	40	3035	1446
126	38	59	3030	1452
127	39	18	2893	1460
128	39	36	3080	1442
129	39	55	3035	1456
130	40	14	3050	1448
131	40	32	3009	1446
132	40	51	2929	1442
133	41	10	3080	1456
134	41	28	2934	1454
135	41	47	3035	1446
136	42	6	3035	1450
137	42	24	2954	1452
138	42	43	2898	1460
139	43	1	3131	1452
140	43	20	2954	1444
141	43	39	3040	1450
142	43	57	2903	1450
143	44	16	3030	1450
144	44	35	2979	1446
145	44	53	2934	1454
146	45	12	2918	1446
147	45	30	3040	1444

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
148	45	49	2929	1442
149	46	8	2918	1446
150	46	26	2999	1450
151	46	45	3030	1446
152	47	4	2929	1448
153	47	22	2903	1454
154	47	41	3030	1446
155	48	0	2979	1446
156	48	18	2929	1454
157	48	37	2959	1448
158	48	55	3030	1452
159	49	14	2929	1450
160	49	33	2923	1446
161	49	51	2994	1448
162	50	10	2903	1449
163	50	29	2984	1446
164	50	47	2888	1454
165	51	6	2929	1450
166	51	24	2954	1448
167	51	43	3004	1444
168	52	2	2959	1454
169	52	20	3080	1450
170	52	39	2954	1450
171	52	57	2979	1450
172	53	16	2994	1446
173	53	35	2908	1442
174	53	53	2934	1460
175	54	12	3019	1444
176	54	31	3039	1454
177	54	49	2888	1442
178	55	8	3004	1460
179	55	26	3050	1450
180	55	45	3035	1448
181	56	4	3030	1452
182	56	22	2959	1456
183	56	41	2964	1456
184	56	59	3030	1456
185	57	18	2979	1460
186	57	37	2975	1450
187	57	55	3131	1458
188	58	14	2898	1456
189	58	33	2929	1456
190	58	51	2959	1454
191	59	10	3019	1448
192	59	28	3035	1442
193	59	47	2913	1452
194	60	6	2929	1450
195	60	24	2999	1446
196	60	43	3050	1450
197	61	2	2979	1446

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
198	61	20	2979	1446
199	61	39	3080	1446
200	61	57	2929	1444
201	62	16	3041	1454
202	62	35	2989	1450
203	62	53	3019	1442
204	63	12	2898	1456
205	63	31	2888	1456
206	63	49	2934	1442
207	64	8	2929	1446
208	64	27	2939	1450
209	64	45	2954	1442
210	65	4	2893	1448
211	65	22	2939	1448
212	65	41	3004	1448
213	66	0	2954	1446

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-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1
1	0	12	40	39	38	38	54	
2	0	31	40	38	38	37	54	
3	0	49	41	39	38	37	54	
4	1	8	41	39	38	37	54	
5	1	27	41	38	38	37	54	
6	1	45	41	39	38	38	54	
7	2	4	41	39	38	38	54	
8	2	23	40	39	38	37	54	
9	2	41	40	39	38	37	54	
10	3	0	41	39	38	38	54	
11	3	19	42	39	39	39	52	
14	4	15	41	38	37	38	52	
15	4	34	42	38	38	38	52	
16	*	*	41	40	41	38	52	
17	5	11	39	40	41	38	52	
18	5	30	40	39	38	38	52	
19	5	48	40	38	37	38	52	
20	6	7	40	39	38	37	52	
21	6	26	39	40	40	38	52	
22	*	*	41	38	38	38	53	
23	7	3	41	39	39	39	53	
24	7	22	41	40	41	39	53	
25	*	*	40	38	38	38	53	
26	7	59	40	38	38	38	53	
27	*	*	41	40	38	38	52	
28	*	16	40	38	38	38	53	
29	*	35	40	39	38	38	52	
30	*	54	40	38	38	38	52	
31	*	*	41	38	37	38	53	
32	9	51	39	39	40	39	52	
33	10	10	41	38	38	40	53	
34	10	28	40	39	40	39	53	
35	10	47	40	39	38	38	52	
36	11	6	41	40	37	39	53	
37	11	24	41	38	37	40	53	
38	11	43	40	40	40	40	54	
39	12	2	41	39	38	39	55	
40	12	20	41	38	38	39	59	
41	12	39	41	38	38	39	60	
42	29	38	41	38	38	39	62	
43	13	16	39	39	38	38	63	
44	13	35	39	39	40	38	65	
45	13	54	40	40	39	40	66	
46	14	12	40	40	37	39	67	
47	14	31	40	40	40	39	68	

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4-06 ALT SHD IDE ER H .C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
39	38	38	54	52	52	54	53	49
38	38	37	54	52	52	54	53	49
39	38	37	54	52	53	54	53	49
39	38	37	54	53	53	54	53	50
38	38	37	54	52	52	54	53	49
39	38	38	54	52	53	54	52	50
39	38	38	54	52	54	54	53	50
39	38	37	54	52	52	54	52	49
39	38	37	54	52	52	54	52	49
39	38	38	54	52	53	54	52	49
39	39	39	52	52	53	52	55	49
38	37	38	52	52	54	62	66	48
38	38	38	52	51	53	64	70	49
40	41	38	52	52	52	68	74	49
38	41	38	52	52	53	70	75	50
39	38	36	52	52	53	70	76	55
38	37	38	52	52	53	71	76	59
39	38	37	52	53	53	72	80	63
40	40	38	52	53	53	75	81	68
38	38	38	53	52	54	73	82	70
38	39	39	53	53	54	75	83	73
40	41	39	53	54	53	76	84	76
38	38	38	53	53	54	77	85	77
38	38	38	53	53	54	77	85	79
38	38	38	52	53	53	78	86	81
38	38	38	53	54	53	80	87	83
38	38	38	52	53	54	80	88	84
38	38	38	52	54	53	80	88	85
38	37	38	53	53	54	81	88	86
39	40	39	52	53	54	83	90	88
38	38	40	53	53	54	83	91	88
39	40	39	53	54	54	85	91	89
38	38	38	52	53	54	85	91	90
38	37	39	53	53	54	85	93	91
38	37	40	53	55	55	86	93	92
40	40	40	54	58	55	88	94	93
39	38	39	55	59	55	87	95	95
38	38	39	59	62	55	89	96	94
38	38	39	60	64	54	89	96	95
38	38	39	62	67	55	89	98	97
38	38	38	63	71	55	90	97	96
39	40	38	65	74	55	90	96	97
40	39	40	66	77	56	90	96	98
40	37	39	67	79	57	90	97	98
38	40	39	68	81	58	91	97	98

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
48	14	50	40	40	40	39	73
49	15	8	40	40	37	38	71
50	15	27	40	39	40	38	73
51	15	46	40	40	38	39	73
52	16	4	41	40	40	40	75
53	16	23	41	40	39	39	75
54	16	42	41	41	38	40	77
55	17	0	41	41	40	40	78
56	17	19	41	41	38	39	78
57	17	38	41	41	38	39	79
58	17	56	41	41	41	39	80
59	18	15	41	41	41	39	81
60	18	34	42	41	42	39	81
61	18	52	42	41	42	40	82
62	19	11	41	41	39	40	82
63	19	29	41	42	40	40	84
64	19	48	42	41	42	39	83
65	20	7	42	41	43	39	83
66	20	25	42	42	39	39	84
67	20	44	42	42	41	39	83
68	21	3	42	41	43	39	84
69	21	21	42	41	40	39	83
70	21	40	42	42	42	41	84
71	21	59	42	42	39	40	84
72	22	17	42	42	43	41	86
73	22	36	43	42	43	41	85
74	22	54	43	42	43	41	85
75	23	13	42	42	43	42	86
76	23	32	43	42	43	41	85
77	23	50	42	42	41	41	85
78	24	9	42	42	41	42	85
79	24	28	43	41	43	40	85
80	24	46	42	42	40	41	85
81	25	5	42	43	39	41	85
82	25	24	42	42	41	42	86
83	25	42	43	43	42	41	85
84	26	1	43	43	41	41	86
85	26	20	43	42	44	41	85
86	26	38	44	43	45	42	85
87	26	57	44	43	45	42	86
88	27	15	43	43	41	41	86
89	27	34	42	43	40	41	86
90	27	53	43	42	44	42	86
91	28	11	43	43	45	42	85
92	28	30	44	44	45	41	86
93	28	49	43	43	42	42	86
94	29	7	43	43	42	41	87
95	29	26	44	43	44	42	88
96	29	45	44	43	45	42	87
97	30	3	44	43	44	42	88

4-06 LT SHD IDE PER R H G.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
40	40	39	73	82	60	91	96	98
40	37	38	71	83	60	91	96	98
39	40	38	73	85	61	91	96	98
40	38	39	73	88	61	91	97	98
40	40	40	75	88	62	91	96	99
40	39	39	75	88	62	92	97	99
41	38	40	77	88	64	91	97	99
41	40	40	78	89	65	92	97	99
41	38	39	78	90	65	92	98	99
41	38	39	79	91	65	92	98	99
41	41	39	80	92	66	92	98	99
41	41	39	81	92	67	93	98	101
41	42	39	81	92	66	94	98	101
41	42	40	82	93	67	94	98	101
41	39	40	82	94	67	95	98	100
42	40	40	84	94	67	95	99	101
41	42	39	83	96	66	95	98	101
41	43	39	83	96	66	95	98	102
42	39	39	84	95	66	95	99	102
42	41	39	83	96	68	95	99	101
41	43	39	84	96	68	96	99	103
41	40	39	83	96	68	96	100	103
42	42	41	84	96	67	96	100	102
42	39	40	84	96	68	97	100	103
42	43	41	86	97	68	97	100	103
42	43	41	85	97	68	96	101	103
42	43	41	85	97	68	97	101	103
42	43	42	86	97	67	97	100	103
42	43	41	85	98	68	97	100	103
42	41	41	85	98	68	97	101	103
42	41	42	85	98	68	98	101	104
41	43	40	85	98	67	99	102	105
42	40	41	85	97	68	98	102	104
43	39	41	85	98	68	98	102	104
42	41	42	86	98	68	99	102	105
43	42	41	85	98	68	99	102	105
43	41	41	86	98	68	99	102	106
42	44	41	85	99	68	99	103	106
43	45	42	85	99	69	99	102	105
43	45	42	86	98	68	100	102	106
43	41	41	86	99	69	100	103	106
43	40	41	86	98	68	100	103	107
42	44	42	86	98	69	100	103	106
43	45	42	85	98	68	100	104	106
44	45	41	86	98	69	99	104	106
43	42	42	86	98	70	100	103	107
43	42	41	87	99	70	99	104	107
43	44	42	88	100	70	101	103	107
43	45	42	87	100	70	101	105	107
43	44	42	88	100	70	101	106	108

1403

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
98	30	22	43	44	41	42	89
99	30	40	44	44	41	42	89
100	30	59	44	44	42	42	89
101	31	18	44	43	43	41	89
102	31	36	43	43	41	42	90
103	31	55	44	44	41	43	91
104	32	14	44	44	43	43	91
105	32	32	43	44	42	43	91
106	32	51	44	43	44	42	91
107	33	10	43	43	45	43	91
108	33	28	43	43	44	42	90
109	33	47	44	43	44	42	90
110	34	6	44	44	44	43	89
111	34	24	44	43	44	44	90
112	34	43	44	44	45	43	90
113	35	1	44	43	44	42	90
114	35	20	44	44	42	42	90
115	35	39	44	44	45	44	91
116	35	57	44	44	44	42	91
117	36	16	44	44	45	42	91
118	36	35	44	44	45	43	92
119	36	53	44	44	42	42	92
120	37	12	43	44	41	41	92
121	37	31	44	44	41	43	92
122	37	49	44	44	45	44	91
123	38	8	44	44	42	43	92
124	38	26	44	44	43	43	91
125	38	45	44	45	42	42	91
126	39	4	45	44	44	44	91
127	39	22	44	44	45	43	91
128	39	41	44	44	44	43	91
129	40	0	44	44	42	42	90
130	40	18	44	44	45	43	90
131	40	37	44	45	46	43	90
132	40	56	44	44	46	42	89
133	41	14	45	45	44	41	89
134	41	33	45	45	45	42	89
135	41	52	45	45	42	41	89
136	42	10	45	45	46	42	89
137	42	29	45	45	43	44	89
138	42	47	45	44	46	43	89
139	43	6	44	45	46	44	88
140	43	25	45	45	46	44	89
141	43	43	46	44	46	44	90
142	44	2	45	44	46	44	89
143	44	21	45	45	45	43	89
144	44	39	46	45	45	44	88
145	44	58	45	45	45	42	88
146	45	16	45	45	46	44	89
147	45	35	45	45	46	44	88

4-06 FLT SHD SIDE UPER R H G.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
44	41	42	89	100	71	102	106	108
44	41	42	89	100	72	102	107	108
44	42	42	89	101	72	103	108	109
43	43	41	89	102	72	103	108	110
43	41	42	90	101	73	104	109	110
44	41	43	91	102	73	104	109	111
44	43	43	91	101	73	105	109	110
44	42	43	91	103	74	105	109	112
43	44	42	91	104	74	105	110	112
43	45	43	91	103	74	105	109	110
43	44	42	90	103	74	105	109	111
43	44	42	90	102	73	104	108	111
44	44	43	89	102	73	103	108	110
43	44	44	90	101	73	104	108	111
44	45	43	90	103	72	105	108	111
43	44	42	90	103	73	105	108	111
44	42	42	90	103	73	105	109	112
44	45	44	91	103	73	106	109	113
44	44	42	91	103	74	106	110	112
44	45	42	91	103	75	106	110	113
44	45	43	92	103	75	107	110	113
44	42	42	92	104	75	107	110	113
44	41	41	92	104	75	107	110	113
44	41	43	92	105	75	108	112	114
44	45	44	91	104	75	107	110	113
44	42	43	92	103	74	107	110	113
44	43	43	91	103	75	107	110	113
45	42	42	91	103	73	107	109	113
44	44	44	91	103	73	107	110	114
44	45	43	91	103	73	107	110	114
44	44	43	91	103	72	107	110	113
44	42	42	90	102	72	106	109	113
44	45	43	90	103	72	108	110	113
45	46	43	90	103	71	106	110	113
44	46	42	89	103	72	107	109	113
45	44	41	89	103	71	106	109	114
45	45	42	89	102	71	107	109	113
45	42	41	89	102	72	106	110	113
45	46	42	89	102	72	107	109	113
45	43	44	89	102	71	107	109	113
44	46	43	89	102	72	107	109	113
45	46	44	88	102	72	107	109	113
45	46	44	89	102	72	107	109	113
44	46	44	90	102	71	106	109	113
44	46	44	89	102	72	106	109	113
45	45	43	89	102	72	106	109	113
45	45	44	88	102	71	107	109	113
45	45	42	88	102	71	106	109	113
45	46	44	89	101	71	107	109	113
45	46	44	88	101	71	107	109	113

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
148	45	54	45	45	42	43	88
149	46	12	45	45	47	43	88
150	46	31	45	45	46	44	88
151	46	50	45	45	45	43	88
152	47	8	46	45	46	43	88
153	47	27	46	45	48	44	88
154	47	46	45	45	44	44	88
155	48	4	45	45	48	43	88
156	48	23	45	45	43	42	88
157	48	41	45	44	46	44	89
158	49	0	46	45	44	44	89
159	49	19	45	45	44	44	90
160	49	37	45	46	44	44	91
161	49	56	46	46	48	44	90
162	50	15	46	45	48	44	91
163	50	33	46	46	48	44	92
164	50	52	46	45	45	44	91
165	51	10	45	46	47	43	91
166	51	29	45	45	46	45	91
167	51	48	45	45	42	45	92
168	52	6	46	45	43	45	90
169	52	25	46	45	46	43	91
170	52	43	45	45	44	45	90
171	53	2	46	45	43	45	90
172	53	21	46	45	45	44	90
173	53	39	45	45	45	44	89
174	53	58	46	45	44	43	89
175	54	17	46	46	44	45	89
176	54	35	45	46	47	44	89
177	54	54	46	45	47	45	89
178	55	12	45	46	47	44	89
179	55	31	46	45	45	45	89
180	55	50	46	45	47	45	89
181	56	8	46	45	48	45	88
182	56	27	46	45	45	44	88
183	56	45	46	45	44	43	88
184	57	4	45	45	45	44	88
185	57	23	47	46	44	44	88
186	57	41	46	46	45	44	88
187	58	0	46	46	44	44	88
188	58	19	46	46	46	46	90
189	58	37	46	46	45	46	88
190	59	56	45	45	44	44	87
191	59	14	45	46	46	44	87
192	59	33	46	46	47	44	88
193	59	52	45	45	45	45	88
194	60	10	46	46	46	44	89
195	60	29	45	45	44	45	89
196	60	47	46	46	46	44	91
197	61	6	45	45	44	46	91

4-06	4-07	4-08	4-09	4-10	4-11	4-12	4-14	4-15
ALT	CENTER	CENTER	1STAGE	1STAGE	1STAGE	2STAGE	2STAGE	2STAGE
SHD	PANEL	PANEL	PUMP	PUMP	AFT	PUMP	AFT	AFCS 1
IDE	WNDSHD	WNDSHD	INLET	OUTLET	SERVO	INLET	SERVO	(COLL.
PER	INSIDE	INSIDE	HYD.	HYD.	HYD IN	HYD.	HYD IN	/YAW
H	LWR C	UPR C	TEMP	TEMP	TEMP	TEMP	TEMP	CHAN)
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
45	42	43	88	101	72	107	109	113
45	47	43	88	101	71	106	109	113
45	46	44	88	101	71	106	109	113
45	45	43	88	101	71	106	110	113
45	46	43	88	102	71	106	109	113
45	48	44	88	101	71	106	110	113
45	44	44	88	102	71	106	109	112
45	48	43	88	101	71	104	111	112
45	43	42	88	101	72	106	110	113
44	46	44	89	102	72	107	110	112
45	44	44	89	103	74	107	111	114
45	44	44	90	103	75	108	112	113
46	44	44	91	103	75	107	110	113
46	48	44	90	104	74	106	112	113
45	48	44	91	103	75	107	110	112
46	48	44	92	103	75	106	112	113
45	45	44	91	103	75	107	110	113
46	47	43	91	103	76	107	110	113
45	46	45	91	104	74	108	110	113
45	42	45	92	103	74	107	110	113
45	43	45	90	104	74	108	110	113
45	46	43	91	103	73	107	110	113
45	44	45	90	103	73	107	110	113
45	43	45	90	103	73	108	110	114
45	45	44	90	103	72	108	110	113
45	45	44	89	103	72	107	109	113
45	44	43	89	103	72	108	109	113
46	44	45	89	103	72	108	109	114
46	47	44	89	102	72	108	109	113
45	47	45	89	102	72	108	109	114
46	47	44	89	102	72	108	109	114
45	45	45	89	101	71	108	109	113
46	47	45	89	101	71	109	109	114
46	48	45	88	101	71	108	109	113
45	45	44	88	101	71	107	109	114
45	44	43	88	101	72	107	110	113
45	45	44	88	101	71	107	110	114
45	44	44	88	101	71	108	110	114
45	45	44	88	101	71	107	109	113
45	46	44	88	101	71	107	109	114
46	48	46	90	101	71	107	109	114
45	45	46	88	100	71	108	109	114
45	44	44	87	101	71	107	110	114
46	48	44	87	100	70	108	110	113
46	47	44	88	100	70	106	110	113
45	45	45	88	100	70	106	110	113
46	46	44	89	100	71	108	111	113
45	44	45	89	101	72	107	111	113
46	48	44	91	101	72	108	111	113
46	44	45	91	103	72	108	112	114

1445

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
198	61	25	46	45	44	45	90
199	61	43	46	46	43	44	91
200	62	2	46	45	47	44	91
201	62	21	46	45	46	45	92
202	62	39	46	45	46	45	92
203	62	58	45	46	46	44	95
204	63	17	46	47	44	43	93
205	63	35	45	45	42	44	94
206	63	54	45	46	47	45	94
207	64	12	45	46	44	44	95
208	64	31	45	45	44	44	95
209	64	50	45	46	48	44	95
210	65	8	45	45	44	44	94
211	65	27	47	45	47	43	95
212	65	46	46	46	48	45	95
213	66	4	45	46	47	44	94

-06	4-07	4-08	4-09	4-10	4-11	4-12	4-14	4-15
-PLT	CENTER	CENTER	1STAGE	1STAGE	1STAGE	2STAGE	2STAGE	2STAGE
SHD	PANEL	PANEL	PUMP	PUMP	AFT	PUMP	AFT	AFCS 1
SIDE	WNDSHD	WNDSHD	INLET	OUTLET	SERVO	INLET	SERVO	(COLL.
PER	INSIDE	INSIDE	HYD.	HYD.	HYD IN	HYD.	HYD IN	/YAW
R H	LWR C	UPR C	TEMP	TEMP	TEMP	TEMP	TEMP	CHAN)
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
45	44	45	90	103	74	108	112	114
46	43	44	91	103	74	109	112	114
45	47	44	91	103	73	108	112	114
45	48	45	92	104	75	109	113	115
45	46	45	92	105	75	109	113	116
46	46	44	95	104	76	110	113	116
47	44	43	93	105	76	110	115	116
45	42	44	94	104	76	111	115	116
46	47	45	94	103	76	111	116	116
46	44	44	95	102	76	111	118	113
45	44	44	95	102	76	112	119	113
46	48	44	95	102	77	113	121	113
45	44	44	94	102	78	115	123	111
45	47	43	95	101	79	117	124	110
46	48	45	95	100	78	118	127	110
46	47	44	94	98	80	120	128	109

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 258 +125 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
1	0	12	51	52	52	49	51
2	0	31	51	53	52	49	51
3	0	49	51	53	52	49	51
4	1	8	51	53	52	49	51
5	1	27	51	53	52	49	51
6	1	45	51	53	52	49	52
7	2	4	51	53	52	48	51
8	2	23	51	53	52	49	51
9	2	41	51	53	51	48	50
10	3	0	51	53	51	49	51
11	3	19	51	51	55	48	51
14	4	15	51	52	56	48	51
15	4	34	51	52	59	49	50
16	*	*	51	53	59	48	51
17	5	11	52	54	60	49	50
18	5	30	60	54	62	48	50
19	5	48	62	54	62	49	51
20	6	7	66	55	63	49	51
21	6	26	71	56	65	50	52
22	*	*	74	56	65	50	51
23	7	3	77	57	64	51	50
24	7	22	78	58	65	51	51
25	*	*	80	58	66	51	51
26	7	59	82	59	66	51	52
27	*	*	82	60	65	50	51
28	*	16	84	65	67	51	50
29	*	35	85	66	68	51	52
30	*	54	85	67	71	51	51
31	*	*	86	66	71	51	51
32	9	51	8[illegible]	65	71	52	52
33	10	10	8[illegible]	66	71	52	51
34	10	28	89	66	72	52	51
35	10	47	9[illegible]	65	72	53	51
36	11	6	91	69	72	53	52
37	11	24	92	71	73	53	51
38	11	43	93	72	75	54	52
39	12	2	93	71	76	54	52
40	12	20	93	71	78	55	51
41	12	39	93	70	78	55	49
42	29	38	96	70	78	55	52
43	13	16	95	70	78	56	50
44	13	35	96	69	78	55	50
45	13	54	96	69	79	56	50
46	14	12	96	69	79	56	52
47	14	31	96	69	78	56	51

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 258 +125 DEG F

T... -17	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
2	52	49	51	51	53	53	51	51
3	52	49	51	51	53	52	52	51
3	52	49	51	51	53	53	52	52
3	52	49	51	51	53	52	51	51
3	52	49	51	52	53	52	51	51
3	52	49	52	51	53	52	52	51
3	52	48	51	51	53	53	52	51
3	52	49	51	51	52	52	51	51
3	51	48	50	51	52	52	51	51
3	51	49	51	51	53	52	51	51
1	55	48	51	51	52	52	55	51
2	56	48	51	51	53	52	67	55
2	59	49	50	52	54	52	70	55
3	59	48	51	51	53	53	71	55
4	60	49	50	51	54	52	72	57
4	62	48	50	52	53	52	74	57
5	62	49	51	54	53	54	75	58
5	63	49	51	54	53	54	76	59
6	65	50	52	55	54	55	76	60
6	65	50	51	55	53	54	78	59
6	64	51	50	54	54	54	78	59
6	65	51	51	55	54	55	79	60
6	66	51	51	55	55	56	80	59
6	66	51	52	55	54	55	81	60
6	65	50	51	55	59	60	87	72
7	67	51	50	55	59	59	88	73
7	68	51	52	55	56	53	84	66
7	71	51	51	55	57	58	83	65
7	71	51	51	55	57	59	83	63
7	71	52	52	56	58	59	85	62
7	71	52	51	56	57	59	86	62
7	72	52	51	56	57	60	85	63
7	72	53	51	56	61	69	92	72
7	72	53	52	57	65	64	97	81
7	73	53	51	56	60	62	92	72
7	75	54	52	58	60	63	90	67
7	76	54	52	56	61	63	90	67
7	78	55	51	57	61	65	90	68
7	78	55	49	55	61	63	91	67
7	78	55	52	56	63	65	92	67
7	78	56	50	56	63	64	91	68
8	78	55	50	56	62	66	92	66
8	79	56	50	55	63	66	92	67
8	79	56	52	55	63	66	92	66
8	78	56	51	55	63	66	91	67

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
48	14	50	96	68	79	56	51
49	15	8	96	70	75	56	50
50	15	27	97	73	77	57	51
51	15	46	97	74	78	58	51
52	16	4	97	73	79	59	51
53	16	23	97	73	80	58	51
54	16	42	97	72	80	59	51
55	17	0	97	72	81	59	50
56	17	19	97	71	80	59	51
57	17	38	98	71	81	60	51
58	17	56	97	71	81	59	52
59	18	15	97	71	81	60	52
60	18	34	98	71	81	61	52
61	18	52	98	70	80	60	51
62	19	11	98	70	80	61	51
63	19	29	98	70	80	61	52
64	19	48	100	70	80	62	51
65	20	7	100	71	81	62	52
66	20	25	100	70	80	62	52
67	20	44	101	70	80	62	52
68	21	3	101	70	79	63	52
69	21	21	101	70	80	63	52
70	21	40	101	70	80	63	52
71	21	59	101	69	80	63	52
72	22	17	101	69	80	64	52
73	22	36	102	69	79	64	52
74	22	54	102	69	79	64	52
75	23	13	102	69	79	64	52
76	23	32	102	70	79	65	52
77	23	50	103	68	78	65	52
78	24	9	103	68	79	65	52
79	24	28	102	69	79	65	52
80	24	46	103	68	78	66	52
81	25	5	103	68	78	66	52
82	25	24	103	69	78	66	52
83	25	42	103	68	79	66	52
84	26	1	103	68	79	67	52
85	26	20	104	68	79	66	53
86	26	38	104	68	78	66	54
87	26	57	103	69	79	67	52
88	27	15	104	69	78	67	52
89	27	34	104	68	78	68	52
90	27	53	104	69	78	67	53
91	28	11	105	68	78	67	53
92	28	30	104	68	78	67	53
93	28	49	104	67	79	68	54
94	29	7	104	68	79	68	54
95	29	26	104	68	79	69	54
96	29	45	105	68	79	69	54
97	30	3	106	70	79	69	54

4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
79	56	51	55	64	66	91	66
75	56	50	55	68	72	98	81
77	57	51	55	66	69	95	77
78	58	51	55	65	68	92	70
79	59	51	55	65	68	91	70
80	58	51	55	65	69	91	69
80	59	51	54	65	69	91	69
81	59	50	55	66	69	92	69
80	59	51	55	66	69	92	69
81	60	51	54	66	69	92	68
81	59	52	55	66	69	93	68
81	60	52	54	66	69	92	68
81	61	52	54	66	69	92	68
80	60	51	54	67	69	92	68
80	61	51	53	66	69	93	68
80	61	52	53	66	69	92	67
80	62	51	53	67	69	92	68
81	62	52	53	67	69	93	68
80	62	52	53	67	69	92	68
80	62	52	52	66	69	92	66
79	63	52	53	67	69	92	67
80	63	52	52	67	69	92	67
80	63	52	52	67	69	92	67
80	63	52	52	67	69	93	66
80	64	52	52	68	69	92	66
79	64	52	52	68	70	92	67
79	64	52	52	68	69	92	67
79	64	52	53	67	68	91	67
79	65	52	53	67	68	92	66
78	65	52	52	68	69	91	67
79	66	52	52	67	69	91	66
79	65	52	52	68	69	91	66
78	66	52	52	68	69	91	66
78	66	52	52	67	68	91	66
78	66	52	52	67	69	91	66
79	66	52	52	67	69	92	67
79	67	52	52	69	69	92	67
79	66	53	52	68	70	91	67
78	66	54	53	68	69	91	67
79	67	52	52	68	69	91	67
78	67	52	52	68	69	92	68
78	68	52	53	68	69	91	68
78	67	53	53	68	69	91	67
78	67	53	52	67	69	91	66
78	67	53	53	68	69	91	68
79	68	54	53	68	69	91	70
79	68	54	54	68	70	91	70
79	69	54	54	69	70	92	70
79	69	54	54	69	70	92	71
79	69	54	54	70	70	91	71

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
98	30	22	106	70	79	69	53
99	30	40	107	71	79	70	54
100	30	59	108	71	79	70	53
101	31	18	108	71	80	70	54
102	31	36	108	72	81	70	55
103	31	55	108	72	80	71	54
104	32	14	109	72	81	71	55
105	32	32	109	72	82	71	55
106	32	51	110	73	81	72	54
107	33	10	108	72	82	72	55
108	33	28	109	73	82	72	55
109	33	47	109	71	81	72	54
110	34	6	109	72	82	73	55
111	34	24	108	73	82	72	55
112	34	43	108	72	81	73	55
113	35	1	109	72	82	72	56
114	35	20	109	73	82	74	55
115	35	39	110	73	82	74	55
116	35	57	110	73	82	74	55
117	36	16	110	73	82	75	55
118	36	35	110	73	83	75	55
119	36	53	110	73	82	74	56
120	37	12	110	74	82	75	56
121	37	31	110	74	83	75	56
122	37	49	110	75	83	75	56
123	38	8	110	74	83	76	56
124	38	26	110	73	83	76	55
125	38	45	110	73	83	76	56
126	39	4	111	73	83	75	55
127	39	22	111	72	83	75	56
128	39	41	112	73	83	75	56
129	40	0	111	72	83	76	55
130	40	18	111	73	82	76	56
131	40	37	111	72	82	76	55
132	40	56	110	72	82	75	56
133	41	14	110	72	82	76	56
134	41	33	110	72	82	76	56
135	41	52	110	72	82	76	56
136	42	10	110	72	82	76	55
137	42	29	111	72	82	76	57
138	42	47	111	72	81	76	56
139	43	6	111	72	82	76	56
140	43	25	111	72	82	75	56
141	43	43	111	71	82	76	56
142	44	2	111	72	82	76	56
143	44	21	112	71	81	76	56
144	44	39	111	71	82	75	56
145	44	58	111	71	82	76	55
146	45	16	111	71	81	76	57
147	45	35	111	71	81	76	56

4-17 L. UMP LET YD. EMP .C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
70	79	69	53	54	70	71	92	72
71	79	70	54	54	70	71	91	71
71	79	70	53	55	70	71	92	72
71	80	70	54	55	70	71	92	72
72	81	70	55	55	70	72	92	72
72	80	71	54	55	71	72	92	73
72	81	71	55	56	71	72	93	72
72	82	71	55	56	71	73	93	73
73	81	72	54	57	72	73	93	73
72	82	72	55	56	72	73	93	72
73	82	72	55	57	72	72	93	71
71	81	72	54	58	71	73	93	69
72	82	73	55	55	71	72	93	69
73	82	72	55	56	71	72	94	71
72	81	73	55	57	72	73	93	71
72	82	72	56	57	73	73	94	72
73	82	74	55	56	72	74	95	73
73	82	74	55	57	73	73	94	73
73	82	74	56	57	73	73	94	73
73	82	75	55	57	73	73	94	74
73	83	75	55	56	72	74	95	73
73	82	74	56	57	73	74	93	74
74	82	75	56	58	74	75	94	74
74	83	75	56	57	73	74	95	74
75	83	75	56	57	73	75	94	70
74	83	76	56	59	73	75	94	71
73	83	76	55	57	74	75	95	69
73	83	76	56	58	73	74	95	70
75	83	75	55	57	74	74	95	71
72	83	75	56	57	73	73	95	71
73	83	75	56	58	73	74	94	71
72	83	76	55	55	73	74	94	70
73	82	76	56	57	73	74	94	71
72	82	76	55	56	73	74	95	70
72	82	75	56	56	73	73	94	70
72	82	76	56	57	72	73	95	70
72	82	76	56	55	73	73	93	70
72	82	76	56	56	72	73	95	70
72	82	76	55	56	72	72	95	70
72	82	76	57	56	72	73	94	70
72	81	76	56	56	72	73	95	70
72	82	76	56	56	73	73	94	69
72	82	75	56	56	72	72	93	70
71	82	76	56	56	72	72	93	70
72	82	76	56	56	72	72	93	69
71	81	76	56	56	73	72	93	70
71	82	75	56	56	72	72	94	70
71	82	76	55	56	72	72	94	70
71	81	76	57	57	72	72	94	70
71	81	76	56	57	72	72	93	69

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
148	45	54	112	71	82	76	56
149	46	12	110	71	81	76	56
150	46	31	111	71	81	76	56
151	46	50	111	71	81	76	56
152	47	8	111	71	81	75	55
153	47	27	109	71	82	75	56
154	47	46	111	71	82	76	55
155	48	4	111	71	81	76	56
156	48	23	110	71	82	76	56
157	48	41	110	71	82	76	56
158	49	0	111	72	82	76	56
159	49	19	110	73	82	77	57
160	49	37	111	72	83	76	57
161	49	56	111	72	82	76	57
162	50	15	110	72	83	76	57
163	50	33	111	72	83	78	57
164	50	52	109	73	83	77	57
165	51	10	110	73	83	77	57
166	51	29	110	73	83	77	56
167	51	48	111	73	83	77	56
168	52	6	112	73	83	78	56
169	52	25	111	72	82	78	56
170	52	43	111	72	83	76	56
171	53	2	111	72	83	78	57
172	53	21	112	72	82	77	56
173	53	39	111	72	82	77	56
174	53	58	111	72	83	77	56
175	54	17	112	72	83	77	57
176	54	35	111	72	82	77	56
177	54	54	112	72	82	78	56
178	55	12	112	72	82	77	56
179	55	31	112	71	82	77	56
180	55	50	111	72	82	77	56
181	56	8	111	72	82	78	55
182	56	27	111	71	82	77	55
183	56	45	112	71	82	77	56
184	57	4	111	72	82	76	55
185	57	23	111	72	82	77	55
186	57	41	111	71	82	77	56
187	58	0	112	71	82	77	56
188	58	19	111	72	82	78	56
189	58	37	112	71	82	77	56
190	58	56	110	71	82	77	55
191	59	14	111	71	82	76	55
192	59	33	111	70	81	77	55
193	59	52	110	70	82	77	55
194	60	10	111	70	82	77	55
195	60	29	111	72	81	77	56
196	60	47	110	72	82	77	55
197	61	6	110	72	82	78	56

17	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
1	82	76	56	56	71	72	94	70
1	81	76	56	57	72	71	93	70
	81	76	56	56	71	72	94	70
	81	76	56	56	72	72	93	69
	81	75	55	56	71	72	94	69
	82	75	56	56	71	72	93	70
	82	76	55	56	71	72	93	70
1	81	76	56	56	72	72	94	70
	82	76	56	56	71	72	94	73
	82	76	56	56	72	72	94	72
	82	76	56	56	72	73	95	74
	82	77	57	57	72	73	95	75
	83	76	57	58	72	73	95	72
	82	76	57	57	73	73	95	73
	83	76	57	58	73	73	95	73
	83	78	57	59	74	74	95	74
	83	77	57	57	72	74	95	72
	83	77	57	58	73	74	95	72
	83	77	56	57	73	73	95	71
	83	77	56	58	73	73	96	70
	83	78	56	57	73	73	96	71
	82	78	56	58	72	74	95	70
	83	76	56	58	73	73	96	71
	83	78	57	56	73	73	95	71
	82	77	56	57	73	73	95	70
	82	77	56	56	73	73	95	70
	83	77	56	56	72	73	94	71
	83	77	57	56	73	72	94	70
	82	77	56	57	72	73	95	71
	82	78	56	56	72	72	94	71
	82	77	56	56	72	72	95	70
	82	77	56	56	72	72	95	70
	82	77	56	56	72	73	95	71
	82	76	55	56	72	72	94	70
	82	77	55	56	72	72	95	69
	82	77	56	56	72	71	95	71
	82	76	55	56	72	72	94	70
	82	77	55	57	72	72	95	70
	82	77	56	57	72	72	94	70
	82	77	56	55	72	71	94	70
	82	78	56	56	72	71	94	70
	82	77	56	56	72	72	94	70
	82	77	55	56	71	71	94	70
	82	76	55	56	71	71	94	69
	81	77	55	56	72	71	94	70
	82	77	55	56	72	71	94	72
	82	77	55	55	72	72	93	73
	81	77	56	55	72	72	94	73
	82	77	55	56	71	73	94	73
	82	78	56	56	72	73	95	74

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
198	61	25	110	73	82	78	56
199	61	43	111	73	82	77	56
200	62	2	111	73	83	78	56
201	62	21	112	74	83	78	55
202	62	39	112	74	83	78	57
203	62	58	113	74	84	79	56
204	63	17	113	72	81	79	57
205	63	35	114	71	80	78	57
206	63	54	110	72	81	79	56
207	64	12	106	73	81	79	58
208	64	31	104	73	82	79	58
209	64	50	102	73	82	80	58
210	65	8	101	74	82	80	59
211	65	27	99	75	82	80	58
212	65	46	97	75	81	80	58
213	66	4	96	80	83	81	59

17	4-18	4-19	4-20	4-21	4-22	4-23	4-24	4-25
L.	UTIL.	UTIL	ROTARY	ROTARY	WINCH	WINCH	UTIL.	TIL.
MP	PUMP	AFCS 2	RUDDER	RUDDER	PUMP	PUMP	HEAT	HEAT
ET	OUTLET	(PITCH	1STAGE	UTIL.	SERVO	OUTLET	EXCH.	EXCH.
D.	HYD.	/ ROLL	INLET	INLET	INLET	TEMP	INLET	OUTLET
MP	TEMP	CHAN)	TEMP	TEMP	HYD.	HYD.	HYD.	HYD.
C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
3	82	78	56	56	72	73	95	74
3	82	77	56	58	73	73	95	73
3	83	78	56	58	73	74	95	73
4	83	78	55	58	73	75	96	74
4	83	78	57	58	73	75	96	75
4	84	79	56	58	73	75	96	74
2	81	79	57	59	74	75	95	75
1	80	78	57	59	75	75	95	75
2	81	79	56	59	74	75	95	74
3	81	79	58	59	75	75	95	75
3	82	79	58	59	75	76	95	75
3	82	80	58	59	75	75	95	76
4	82	80	59	59	75	75	95	76
5	82	80	58	60	75	79	96	78
5	81	80	58	59	75	79	98	85
0	83	81	59	61	77	79	104	91

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 258 +125 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
1	0	14	64	52	62	51	56
2	0	33	64	52	62	51	57
3	*	*	64	53	62	51	57
4	*	*	64	52	62	51	56
5	1	29	64	52	62	51	57
6	*	*	64	52	62	51	57
7	2	6	64	52	61	51	56
8	2	25	64	52	61	51	57
9	*	*	64	52	61	51	57
10	3	2	64	52	62	51	57
11	3	21	63	52	61	51	56
14	4	17	63	51	61	50	55
15	4	36	64	52	61	51	56
16	4	55	62	52	61	50	56
17	5	13	63	51	61	51	57
18	5	32	64	52	60	51	56
19	5	51	63	52	60	50	56
20	*	*	63	52	61	51	56
21	6	28	63	52	60	51	56
22	6	47	64	51	61	50	56
23	*	*	63	51	61	51	56
24	7	24	64	51	61	50	56
25	*	*	63	51	60	50	56
26	*	41	64	52	60	49	56
27	*	0	64	65	57	50	56
28	*	19	63	71	63	50	55
29	*	57	64	70	65	50	56
30	*	56	64	68	65	49	56
31	*	*	62	67	65	50	56
32	9	53	63	66	65	49	56
33	10	12	62	66	65	49	56
34	10	31	62	66	65	49	56
35	10	49	63	63	64	49	57
36	11	8	63	70	66	49	56
37	11	27	64	73	71	49	58
38	11	45	67	75	70	51	58
39	12	4	69	78	72	51	59
40	12	23	70	80	72	49	60
41	12	41	70	82	74	48	60
42	13	0	72	86	73	45	61
43	13	19	73	90	73	43	64
44	13	37	73	94	74	41	66
45	13	56	74	96	76	40	70
46	14	15	76	98	79	40	72
47	14	33	77	99	80	39	75

HH-53C S/N 68-10354
CLINATIC LAB TEST
13 JULY 1970
RUN NO. 258 +125 DEG F

06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
IL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
ER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
ET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
IL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
2	62	51	56	57	53	54	48	58
2	62	51	57	58	54	54	48	58
3	62	51	57	57	54	54	48	58
2	62	51	56	57	54	54	48	58
2	62	51	57	57	54	54	48	58
1	62	51	57	57	54	54	48	58
2	61	51	56	57	54	54	48	58
2	61	51	57	57	53	54	48	58
2	61	51	57	57	54	54	48	58
2	62	51	57	57	53	54	48	58
2	61	51	56	56	54	54	48	58
1	61	50	55	56	54	54	48	57
2	61	51	56	56	54	54	48	58
2	61	50	56	57	53	54	48	58
2	61	51	57	56	53	54	48	58
2	60	51	56	56	53	53	47	58
2	60	50	56	56	52	53	48	58
2	61	51	56	56	54	54	48	58
2	60	51	56	56	54	53	48	57
2	61	50	56	56	53	54	48	58
2	61	51	56	58	53	54	48	57
2	61	50	56	57	54	54	48	57
2	60	50	56	56	54	54	48	57
2	60	49	56	56	54	54	49	59
2	57	50	56	56	54	53	48	57
2	63	50	55	57	53	53	48	58
2	65	50	56	57	53	53	48	59
2	66	49	56	56	54	53	48	58
2	65	50	56	56	53	53	49	58
2	65	49	56	56	52	53	48	57
2	65	49	56	56	53	54	48	58
2	65	49	56	56	53	53	48	56
2	64	49	57	57	53	52	48	57
2	66	49	56	57	53	53	47	58
2	71	49	58	59	52	53	48	58
2	70	51	58	59	53	54	48	57
2	72	51	59	60	52	52	48	58
2	72	49	60	61	53	53	48	57
2	74	48	60	62	52	52	48	58
2	73	45	61	64	54	52	48	58
2	73	43	64	70	53	53	49	57
2	74	41	66	76	52	54	48	57
2	76	40	70	82	53	52	49	58
2	79	40	72	85	53	54	48	58
2	80	39	75	88	53	54	48	58

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
48	14	52	79	101	81	39	78
49	31	51	80	103	83	39	79
50	15	29	82	104	85	38	81
51	15	48	84	106	86	38	82
52	16	6	85	107	86	38	82
53	16	25	85	108	85	39	82
54	16	44	85	107	86	39	84
55	17	3	85	107	85	39	83
56	17	21	85	108	85	39	83
57	17	40	85	106	84	40	82
58	17	58	83	106	82	40	82
59	18	17	83	105	82	40	82
60	18	36	82	104	82	39	82
61	18	54	82	105	82	40	82
62	19	13	82	104	82	39	81
63	19	32	82	104	81	40	81
64	19	50	81	103	81	41	81
65	20	9	82	102	81	41	80
66	20	28	82	102	81	41	79
67	20	46	81	101	81	41	80
68	21	5	80	102	81	41	80
69	21	23	81	102	80	41	78
70	21	42	80	101	81	41	79
71	22	1	79	101	80	41	79
72	22	19	80	100	80	41	79
73	22	38	79	101	80	41	79
74	22	57	81	101	80	41	79
75	23	15	80	100	79	41	78
76	23	34	79	101	79	41	78
77	23	53	79	100	79	41	79
78	24	11	79	100	79	41	79
79	24	30	79	100	80	40	78
80	24	48	79	101	79	40	78
81	25	7	80	102	81	40	80
82	25	26	80	102	81	39	80
83	25	44	81	103	81	41	81
84	26	3	82	103	83	39	81
85	26	22	81	104	82	39	81
86	26	40	82	105	83	39	81
87	26	59	82	105	83	39	81
88	27	18	82	105	83	39	82
89	27	36	82	105	83	39	82
90	27	55	83	106	83	38	82
91	28	14	82	105	83	39	82
92	28	32	83	106	85	39	84
93	28	51	84	107	86	40	85
94	29	9	85	108	86	41	85
95	29	28	86	107	86	40	85
96	29	47	86	108	88	41	86
97	30	5	88	109	88	41	87

5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
81	39	78	93	52	53	48	56
83	39	79	96	54	54	64	56
85	38	81	97	55	56	71	63
86	38	82	100	61	64	74	65
86	38	82	101	67	71	80	68
85	39	82	102	72	78	83	71
86	39	84	102	72	85	88	73
85	39	83	103	75	88	88	75
85	39	83	103	77	91	92	76
84	40	82	102	79	95	95	79
82	40	82	102	82	99	99	81
82	40	82	101	84	102	102	84
82	39	82	101	86	104	105	85
82	40	82	102	87	107	107	87
82	39	81	102	88	110	110	88
81	40	81	99	89	111	112	89
81	41	81	100	90	112	112	91
81	41	80	99	92	113	114	91
81	41	79	99	91	114	115	92
81	41	80	99	92	115	116	93
81	41	80	98	93	116	118	94
80	41	78	97	95	117	118	95
81	41	79	98	94	118	119	95
80	41	79	97	95	119	119	96
80	41	79	98	95	119	120	96
80	41	79	98	96	120	120	96
80	41	79	97	95	120	122	97
79	41	78	96	96	120	122	97
79	41	78	96	97	120	122	96
79	41	79	96	96	121	122	98
79	41	79	96	96	120	122	98
80	40	78	98	96	122	123	97
79	40	78	98	96	122	123	98
81	40	80	98	96	122	122	98
81	39	80	99	97	122	122	98
81	41	81	101	97	122	123	98
83	39	81	101	98	122	124	98
82	39	81	101	97	122	123	99
83	39	81	102	97	122	124	98
83	39	81	102	98	123	125	99
83	39	82	102	97	123	124	99
83	39	82	102	98	122	125	99
83	38	82	102	97	123	125	99
83	39	82	103	98	124	125	99
85	39	84	104	98	122	122	100
86	40	85	104	98	120	122	98
86	41	85	103	96	119	120	96
86	40	85	104	96	118	119	95
88	41	86	104	96	118	118	95
88	41	87	105	96	118	117	95

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	S-06 ENG.1 OIL COOLER INLET OIL DEG.C	S-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	S-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	S-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
98	30	24	87	109	88	41	86
99	30	43	88	109	90	41	87
100	31	1	86	110	89	41	88
101	31	20	89	112	90	41	88
102	31	39	89	111	91	40	88
103	31	57	90	112	90	41	88
104	32	16	90	112	91	40	89
105	32	34	90	113	91	41	88
106	32	53	90	112	89	41	88
107	33	12	90	114	90	39	87
108	33	30	90	116	91	38	86
109	33	49	90	119	92	36	88
110	34	8	92	117	92	38	89
111	34	26	91	117	91	39	88
112	34	45	91	115	91	39	89
113	35	4	91	114	91	41	89
114	35	22	91	114	90	40	89
115	35	41	90	114	91	40	89
116	36	0	91	113	91	41	90
117	36	18	91	113	91	41	89
118	36	37	91	112	91	41	89
119	36	55	90	112	91	41	89
120	37	14	91	112	91	41	89
121	37	33	91	113	90	40	86
122	37	51	91	117	92	38	88
123	38	10	91	119	94	37	88
124	38	29	92	122	95	38	89
125	38	47	94	124	96	37	91
126	39	6	95	125	97	36	91
127	39	25	96	126	99	37	92
128	39	43	98	126	98	37	93
129	40	2	98	127	98	37	92
130	40	20	98	128	99	36	93
131	40	39	99	129	99	36	93
132	40	58	99	129	101	37	94
133	41	16	100	129	100	37	94
134	41	35	100	130	101	38	95
135	41	54	101	130	101	37	95
136	42	12	101	130	102	37	95
137	42	31	101	131	102	37	95
138	42	50	101	131	102	37	95
139	43	8	101	132	103	38	96
140	43	27	101	132	102	38	96
141	43	45	102	132	103	37	96
142	44	4	102	133	103	37	95
143	44	23	102	133	103	38	96
144	44	41	102	133	102	38	96
145	45	0	103	133	103	39	96
146	45	19	102	133	103	39	96
147	45	37	103	133	104	39	96

06	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
9	88	41	86	106	96	117	117	95
9	90	41	87	107	96	117	117	95
9	89	41	88	106	96	117	116	94
0	90	41	88	107	96	116	115	94
1	91	40	88	107	96	117	115	94
2	90	41	88	108	95	117	115	94
2	91	40	89	108	96	116	115	94
3	91	41	88	109	96	117	114	94
4	89	41	88	108	94	116	115	93
4	90	39	87	110	93	116	114	91
6	91	38	86	110	92	116	113	89
6	92	36	88	112	93	115	112	89
7	92	38	89	113	92	115	111	89
7	91	39	88	112	92	115	111	90
6	91	39	89	111	93	114	110	91
7	91	41	89	111	94	114	111	91
8	90	40	89	110	94	115	112	92
4	91	40	89	109	94	115	112	92
3	91	41	90	109	94	115	112	92
5	91	41	89	109	95	115	112	92
2	91	41	89	109	95	115	113	93
5	91	41	89	108	95	115	112	93
3	91	41	89	109	95	116	113	92
3	90	40	86	109	93	115	112	90
9	92	38	88	112	91	114	110	87
9	94	37	88	113	90	110	109	89
4	95	38	89	115	88	109	109	86
5	96	37	91	116	87	108	108	86
5	97	36	91	117	86	106	107	85
6	99	37	92	119	86	106	106	83
6	98	37	93	119	85	104	105	85
7	98	37	92	120	83	103	105	83
8	99	36	93	121	84	103	104	84
8	99	36	93	122	84	102	103	83
9	101	37	94	122	83	101	103	82
9	100	37	94	122	82	101	103	82
9	101	38	95	122	83	100	103	82
9	101	37	95	123	83	100	103	82
9	102	37	95	123	82	100	102	82
9	102	37	95	123	81	99	103	82
9	102	37	95	124	81	99	102	82
9	103	38	96	125	82	99	102	82
9	102	38	96	124	81	99	101	82
9	103	37	96	125	81	99	101	82
9	103	37	95	125	81	99	101	82
9	103	38	96	124	82	99	101	81
9	102	38	96	125	81	99	101	81
9	103	39	96	125	81	98	102	81
9	103	39	96	125	82	99	101	81
9	104	39	96	125	82	99	101	81

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	S-06 ENG.1 OIL COOLER INLET OIL DEG.C	S-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	S-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	S-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
148	45	56	103	134	103	39	96
149	46	15	103	133	103	39	96
150	46	33	102	134	103	38	96
151	46	52	103	133	103	38	96
152	47	10	102	133	103	38	96
153	47	29	103	134	103	39	96
154	47	48	103	134	103	38	96
155	48	6	103	131	104	39	97
156	48	25	103	129	101	39	98
157	48	44	102	126	100	40	98
158	49	2	101	125	99	41	96
159	49	21	100	122	95	42	93
160	49	39	98	120	92	42	91
161	49	58	96	118	93	43	90
162	50	17	95	118	93	44	91
163	50	35	94	116	93	42	90
164	50	54	93	116	90	43	88
165	51	13	92	115	89	44	87
166	51	31	90	113	88	44	86
167	51	50	89	112	86	44	85
168	52	8	88	110	86	44	85
169	52	27	87	108	85	43	84
170	52	46	86	108	85	44	83
171	53	4	85	108	85	44	83
172	53	23	85	107	83	43	83
173	53	41	83	106	82	43	82
174	54	0	83	105	83	43	81
175	54	19	83	104	82	43	81
176	54	37	83	105	82	42	81
177	54	56	82	104	82	43	81
178	55	15	82	103	81	43	81
179	55	33	82	104	82	44	80
180	55	52	82	103	81	43	81
181	56	10	81	103	82	43	80
182	56	29	82	102	81	43	80
183	56	48	81	103	82	43	81
184	57	6	81	102	81	43	80
185	57	25	80	103	82	44	80
186	57	43	81	102	81	44	79
187	58	2	81	102	80	44	80
188	58	21	80	102	80	44	80
189	58	39	80	101	81	43	79
190	58	58	80	101	81	44	79
191	59	17	80	101	80	43	81
192	59	35	81	102	83	44	81
193	59	54	82	103	82	43	81
194	60	12	81	104	82	43	82
195	60	31	82	105	83	43	82
196	60	50	82	105	83	42	82
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
IL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
ER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
ET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
IL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
4	103	39	96	125	82	98	100	81
3	103	39	96	125	81	98	100	81
4	103	38	96	124	82	98	101	81
3	103	38	96	125	81	98	101	80
3	103	38	96	125	81	99	101	80
4	103	39	96	125	81	98	100	81
4	103	38	96	125	81	98	100	81
1	104	39	97	124	82	98	100	82
9	101	39	98	123	85	99	102	84
5	100	40	98	121	86	103	103	85
5	99	41	96	118	88	106	105	86
2	96	42	93	116	88	108	107	87
0	92	42	91	115	89	110	110	89
8	93	43	90	113	92	111	110	90
8	93	44	91	113	92	110	110	91
6	93	42	90	112	92	111	110	91
6	90	43	88	111	92	113	114	92
5	89	44	87	109	93	115	115	93
3	88	44	86	109	93	118	116	94
2	86	44	85	107	94	119	118	95
0	86	44	85	106	95	118	120	96
8	85	43	84	104	96	120	120	96
8	85	44	83	105	97	120	120	97
8	85	44	83	103	96	121	122	97
7	83	43	83	103	97	122	122	98
6	82	43	82	102	97	122	123	99
3	83	43	81	101	97	122	123	98
4	82	43	81	101	98	123	123	99
5	82	42	81	101	98	123	124	99
4	82	43	81	101	98	124	124	99
3	81	43	81	100	99	123	125	99
4	82	44	80	101	98	123	124	100
3	81	43	81	99	98	124	126	100
3	82	43	80	99	99	124	125	100
2	81	43	80	99	99	125	126	100
3	82	43	81	99	99	125	126	101
2	81	43	80	99	98	124	127	101
3	82	44	80	99	99	125	126	101
2	81	44	79	99	99	125	127	101
2	80	44	80	99	99	125	127	101
2	80	44	80	99	99	124	126	101
1	81	43	79	98	99	125	126	101
1	81	44	79	98	99	125	127	101
1	80	43	81	98	99	125	127	101
2	83	44	81	98	101	123	126	102
3	82	43	81	100	99	122	123	98
4	82	43	82	101	98	122	122	96
5	83	43	82	102	98	121	121	96
5	83	42	82	103	97	120	119	95
5	85	42	83	103	97	119	118	95

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
198	61	27	83	106	83	42	82
199	61	46	85	105	85	42	85
200	62	4	84	107	86	41	83
201	62	23	85	108	87	42	85
202	62	41	86	109	88	41	86
203	63	0	87	111	88	41	85
204	63	19	87	111	88	42	86
205	63	37	88	110	92	42	89
206	63	56	89	108	96	42	89
207	64	15	91	105	100	43	93
208	64	33	91	104	102	44	94
209	64	52	91	105	102	45	95
210	65	11	91	104	102	44	95
211	65	29	92	102	102	44	94
212	65	48	91	109	103	45	94
213	66	6	91	109	105	45	96

86	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
6	83	42	82	104	96	119	117	95
5	85	42	85	103	96	118	117	94
7	86	41	83	104	97	116	115	96
4	87	42	85	106	94	112	113	95
9	88	41	86	106	92	109	113	95
1	88	41	85	106	90	105	112	92
1	88	42	86	107	88	103	112	91
0	92	42	89	105	88	101	112	95
3	96	42	89	103	89	101	108	101
5	100	43	93	102	89	100	107	103
2	102	44	94	102	91	100	106	103
5	102	45	95	101	91	101	106	103
4	102	44	95	101	90	99	104	101
2	102	44	94	101	91	99	104	102
3	103	45	94	99	90	99	103	104
9	105	45	96	99	91	98	112	102

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25B +125 DEG F

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-15 ACCESS GEAR BOX OIL TEMP DEG.C	S-16 MAIN G.BOX COOLER INLET OIL DEG.C	S-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	S-18 INTER. GEAR BOX OIL TEMP DEG.C	S-19 TAIL GEAR BOX OIL TEMP DEG.C
1	0	14	54	51	51	48	49
2	0	33	54	50	51	48	50
3	*	*	54	51	51	48	50
4	*	*	54	51	51	49	49
5	1	29	54	51	51	48	50
6	*	*	54	51	50	48	50
7	2	6	55	51	51	48	50
8	2	25	54	50	51	48	50
9	*	*	54	50	51	48	49
10	3	2	54	51	50	48	50
11	3	21	54	51	50	48	50
14	4	17	58	51	50	48	49
15	4	36	59	51	51	48	50
16	4	55	61	51	51	48	50
17	5	13	62	50	50	48	50
18	5	32	62	50	51	47	49
19	5	51	64	50	51	48	50
20	*	*	65	50	51	48	51
21	6	28	66	51	50	48	50
22	6	47	67	51	50	47	50
23	*	*	69	50	51	46	51
24	7	24	70	50	51	47	51
25	*	*	71	50	50	47	51
26	*	41	71	51	50	47	50
27	*	0	73	51	51	47	51
28	*	19	73	51	51	47	50
29	*	57	74	52	53	48	51
30	*	56	75	53	52	47	51
31	*	*	76	53	52	47	50
32	9	53	76	52	52	48	50
33	10	12	77	52	52	47	50
34	10	31	78	52	52	47	50
35	10	49	80	52	51	46	50
36	11	8	81	52	51	46	50
37	11	27	82	55	53	48	50
38	11	45	82	56	55	47	51
39	12	4	83	56	55	48	50
40	12	23	83	56	55	48	51
41	12	41	85	57	56	49	51
42	13	0	85	58	57	49	52
43	13	19	85	58	58	49	54
44	13	37	86	59	57	51	55
45	13	56	86	60	59	51	55
46	14	15	87	62	59	52	56
47	14	33	87	62	59	52	56

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25B +125 DEG F

16 IN OX ER ET IL .C	S-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	S-18 INTER. GEAR BOX OIL TEMP DEG.C	S-19 TAIL GEAR BOX OIL TEMP DEG.C	S-20 GEN.1 MASS TEMP DEG.C	S-21 FUEL TEMP. TO COMBST HEATER DEG.C	S-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	S-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	S-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
1	51	48	49	54	51	38	38	39
0	51	48	50	55	51	38	38	39
1	51	48	50	54	51	39	39	38
1	51	49	49	54	51	38	39	39
1	51	48	50	54	51	38	38	38
1	50	48	50	54	51	39	38	38
1	51	48	50	54	51	38	38	38
0	51	48	50	54	51	38	38	38
0	51	48	49	54	51	38	39	38
1	50	48	50	54	51	39	39	38
1	50	48	50	54	51	38	38	38
1	50	48	49	55	51	38	38	38
1	51	48	50	55	51	38	38	38
1	51	48	50	55	51	38	38	38
0	50	48	50	55	51	38	39	38
0	51	47	49	55	51	38	38	38
0	51	48	50	55	51	39	38	38
0	51	48	51	56	51	38	39	39
1	50	48	50	57	51	38	39	39
1	50	47	50	57	51	38	38	38
1	51	46	51	58	52	38	39	39
0	51	47	51	59	51	38	39	39
0	50	47	51	59	51	38	39	39
1	50	47	50	60	51	38	39	39
1	51	47	51	60	52	38	39	39
1	51	47	50	60	52	38	39	40
2	53	48	51	60	52	38	39	41
3	52	47	51	62	51	38	39	41
3	52	47	50	62	51	38	39	40
2	52	48	50	62	51	38	39	41
2	52	47	50	62	52	38	39	40
2	52	47	50	64	51	38	40	41
2	51	46	50	65	52	38	39	41
2	51	48	50	65	53	38	40	41
5	53	48	50	65	54	38	40	42
6	55	47	51	66	53	39	39	42
6	55	48	50	66	53	39	40	42
6	55	48	51	66	53	38	40	42
7	56	49	51	66	53	38	40	42
8	57	49	52	67	54	38	40	43
8	58	49	54	68	54	39	40	42
9	57	51	55	69	55	39	40	43
0	59	51	55	69	55	39	40	42
2	59	52	56	69	56	39	40	43
[illegible]	[illegible]	[illegible]	[illegible]	70	57	39	41	43

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
48	14	52	86	64	60	53	58
49	31	51	88	65	61	54	59
50	15	29	88	66	62	54	59
51	15	48	88	67	62	55	60
52	16	6	88	66	63	55	60
53	16	25	88	68	62	56	61
54	16	44	88	70	64	56	62
55	17	3	89	70	64	57	61
56	17	21	89	71	64	58	62
57	17	40	89	72	64	59	63
58	17	58	89	73	64	59	63
59	18	17	89	73	64	59	64
60	18	36	91	74	64	60	64
61	18	54	90	75	65	59	65
62	19	13	91	76	64	60	65
63	19	32	91	76	66	62	66
64	19	50	90	77	66	62	66
65	20	9	90	79	66	62	66
66	20	28	91	79	66	62	66
67	20	46	91	80	67	63	67
68	21	5	91	80	68	63	68
69	21	23	91	81	68	64	68
70	21	42	92	81	68	65	68
71	22	1	92	82	69	65	68
72	22	19	92	82	69	64	69
73	22	38	92	83	68	65	69
74	22	57	92	83	69	65	70
75	23	15	92	83	69	65	70
76	23	34	92	84	70	66	70
77	23	53	93	84	70	65	70
78	24	11	93	85	70	66	70
79	24	30	93	85	70	66	71
80	24	48	93	86	70	66	71
81	25	7	93	85	70	67	72
82	25	26	93	86	71	67	72
83	25	44	94	86	72	67	72
84	26	3	94	87	72	67	73
85	26	22	94	87	71	68	73
86	26	40	94	88	72	68	74
87	26	59	94	88	71	68	74
88	27	18	94	88	71	68	74
89	27	36	95	89	71	68	74
90	27	55	95	88	72	67	74
91	28	14	95	90	72	69	75
92	28	32	95	90	74	69	75
93	28	51	95	89	74	70	75
94	29	9	95	89	74	70	75
95	29	28	96	89	75	70	75
96	29	47	96	89	75	71	75
97	30	5	96	89	74	70	75

-16 AIN BOX LER LET OIL G.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
64	60	53	58	71	58	39	41	42
65	61	54	59	71	58	39	40	43
66	62	54	59	72	58	39	41	43
67	62	55	60	72	58	39	40	43
68	63	55	60	73	59	39	41	43
68	62	56	61	73	59	39	41	43
70	64	56	62	74	59	39	41	44
70	64	57	61	74	59	39	41	44
71	64	58	62	75	59	39	41	43
72	64	59	63	75	59	39	41	44
73	64	59	63	75	59	39	41	44
73	64	59	64	75	59	39	42	44
74	64	60	64	75	59	40	41	44
75	65	59	65	76	58	40	41	44
76	64	60	65	75	58	40	42	44
76	66	62	66	76	57	40	42	45
77	66	62	66	76	57	40	42	45
79	66	62	66	76	58	41	42	45
79	66	62	66	75	56	41	42	45
80	67	63	67	77	58	41	42	45
80	68	63	68	76	57	42	43	45
81	68	64	68	76	56	41	43	46
81	68	65	68	76	56	41	43	46
82	69	65	68	77	56	42	42	46
82	69	64	69	77	55	42	43	46
83	68	65	69	76	55	42	43	46
83	69	65	70	77	54	42	43	46
83	69	65	70	77	54	42	43	46
84	70	66	70	77	54	42	43	46
84	70	65	70	78	55	43	44	46
85	70	66	70	77	54	42	44	47
85	70	66	71	78	54	43	44	47
86	70	66	71	78	53	43	44	47
85	70	67	72	77	52	42	44	47
86	71	67	72	78	53	43	44	48
86	72	67	72	78	53	43	44	47
87	72	67	73	78	52	43	44	48
87	71	68	73	78	53	43	44	48
88	72	68	74	78	52	43	45	48
88	71	68	74	78	51	44	45	48
88	71	68	74	78	51	43	44	48
89	71	68	74	78	52	44	45	49
88	72	67	74	79	52	44	45	48
90	72	69	75	78	52	44	44	49
90	74	69	75	79	51	44	45	48
89	74	70	75	78	51	43	45	48
89	74	70	75	79	51	43	45	48
89	75	70	75	80	52	43	45	48
89	75	71	75	81	52	43	45	48
89	74	70	75	81	52	43	45	48

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
98	30	24	96	89	74	71	76
99	30	43	96	89	74	71	75
100	31	1	96	89	73	72	76
101	31	20	96	89	74	72	77
102	31	39	97	89	75	72	77
103	31	57	96	88	74	73	77
104	32	16	97	89	75	73	77
105	32	34	97	88	74	73	77
106	32	53	98	89	73	73	77
107	33	12	97	88	73	73	78
108	33	30	98	89	72	73	78
109	33	49	98	89	73	73	79
110	34	8	96	89	74	72	78
111	34	26	98	90	74	73	78
112	34	45	98	90	75	74	78
113	35	4	98	90	75	74	79
114	35	22	98	90	75	75	79
115	35	41	99	89	75	75	79
116	36	0	98	89	75	75	79
117	36	18	99	89	75	75	79
118	36	37	99	89	73	75	79
119	36	55	99	89	75	75	79
120	37	14	98	89	75	76	79
121	37	33	99	89	74	75	80
122	37	51	101	89	73	75	80
123	38	10	99	90	73	75	80
124	38	29	99	90	73	75	81
125	38	47	99	90	73	74	81
126	39	6	99	91	73	74	81
127	39	25	101	92	73	74	81
128	39	43	101	91	73	74	81
129	40	2	100	92	73	74	82
130	40	20	100	92	73	75	81
131	40	39	100	92	75	75	82
132	40	58	99	93	75	73	82
133	41	16	99	93	75	74	82
134	41	35	101	93	75	75	82
135	41	54	102	94	76	74	82
136	42	12	100	93	75	74	82
137	42	31	101	94	75	75	83
138	42	50	100	93	75	75	83
139	43	8	101	94	76	75	82
140	43	27	101	95	77	74	82
141	43	45	100	95	76	74	83
142	44	4	101	95	76	75	83
143	44	23	100	95	76	75	83
144	44	41	100	95	76	75	83
145	45	0	101	95	76	75	84
146	45	19	101	95	76	75	84
147	45	37	102	95	76	75	83

5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
74	71	76	81	51	43	45	48
74	71	75	81	51	43	45	48
73	72	76	81	51	43	45	48
74	72	77	81	52	43	45	48
75	72	77	82	51	43	45	48
74	73	77	82	52	43	45	48
75	73	77	83	52	43	45	48
74	73	77	83	52	44	45	49
73	73	77	84	52	43	45	49
73	73	78	83	53	43	46	49
72	73	78	82	52	43	45	49
73	73	79	82	52	44	45	49
74	72	78	83	51	44	45	49
74	73	79	83	51	43	46	49
75	74	78	83	52	43	46	50
75	74	79	84	52	43	45	49
75	75	79	83	52	44	46	49
75	75	79	84	51	44	47	49
75	75	79	85	52	44	46	49
75	75	79	84	52	44	45	49
75	75	79	85	52	44	45	49
75	75	79	85	52	44	46	49
75	76	79	85	52	44	46	49
74	75	80	85	52	44	46	50
73	75	80	85	52	44	46	51
73	75	80	84	51	44	46	51
73	75	81	84	51	45	46	51
73	74	81	84	51	45	46	51
73	74	81	84	52	45	46	51
73	74	81	85	51	45	46	51
73	74	81	83	51	45	46	52
73	74	82	84	51	45	47	51
73	75	81	85	51	45	46	51
75	75	82	83	51	45	46	51
75	73	82	83	51	45	46	51
75	74	82	83	51	45	47	51
75	75	82	83	51	45	47	51
76	74	82	83	51	46	47	51
75	74	82	83	52	46	48	52
75	75	83	83	52	46	48	52
75	75	83	82	51	45	48	51
76	75	82	82	51	46	48	52
77	74	82	83	51	46	48	52
76	74	83	83	50	45	48	52
75	75	83	82	50	46	48	52
76	75	83	83	51	46	48	53
76	75	83	83	51	46	48	52
76	75	84	83	51	46	48	52
76	75	84	83	50	46	48	52
76	75	83	82	50	46	48	52

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
148	45	56	101	96	77	75	83
149	46	15	101	95	76	74	83
150	46	33	101	96	76	74	84
151	46	52	101	96	76	74	84
152	47	10	101	96	76	75	84
153	47	29	100	96	77	75	85
154	47	48	101	96	77	75	84
155	48	6	102	96	78	75	85
156	48	25	102	96	78	75	85
157	48	44	101	96	79	76	84
158	49	2	102	95	79	76	84
159	49	21	101	95	78	77	84
160	49	39	102	95	76	76	85
161	49	58	101	95	79	76	85
162	50	17	102	95	78	77	85
163	50	35	102	95	78	77	85
164	50	54	102	94	77	76	85
165	51	13	102	94	75	76	85
166	51	31	102	95	75	76	85
167	51	50	101	95	75	76	86
168	52	8	102	94	76	76	85
169	52	27	102	94	75	75	85
170	52	46	102	94	76	76	85
171	53	4	102	95	76	75	86
172	53	23	101	95	77	75	85
173	53	41	102	95	76	75	85
174	54	0	102	95	76	75	85
175	54	19	102	95	76	75	86
176	54	37	102	96	75	75	85
177	54	56	102	96	75	75	86
178	55	15	102	96	76	75	86
179	55	33	102	96	76	75	85
180	55	52	101	95	76	75	86
181	56	10	102	96	76	76	86
182	56	29	102	96	75	75	86
183	56	48	102	96	76	75	86
184	57	6	102	96	77	75	86
185	57	25	102	96	76	76	86
186	57	43	102	97	75	75	87
187	58	2	102	96	76	75	86
188	58	21	102	97	76	75	87
189	58	39	102	96	76	75	86
190	58	58	101	96	76	75	87
191	59	17	102	95	76	75	86
192	59	35	102	97	78	75	86
193	59	54	102	96	78	76	87
194	60	12	102	95	78	75	86
195	60	31	102	96	79	77	86
196	60	50	102	95	79	78	86
197	61	8	102	95	78	78	86

16	5-17	5-18	5-19	5-20	5-21	5-22	5-23	5-24
IN	MAIN	INTER.	TAIL	GEN.1	FUEL	L.ELEC	L.ELEC	L.ELEC
OX	G.BOX	GEAR	GEAR	MASS	TEMP.	COMPT	COMPT	COMPT
ER	COOLER	BOX	BOX	TEMP	TO	TOPCTR	BTM RT	BTMLFT
ET	OUTLET	OIL	OIL		COMBST	AIR	AIR	AIR
IL	OIL	TEMP	TEMP		HEATER	TEMP	TEMP	TEMP
C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
	77	75	83	83	51	46	48	53
	76	74	83	83	49	46	48	52
	76	74	84	83	49	48	48	52
	76	74	84	83	49	46	48	53
	76	75	84	83	50	47	48	52
	77	75	85	85	50	47	48	52
	77	75	84	82	49	46	48	53
	78	75	85	82	50	46	48	52
	78	75	85	83	51	46	49	54
	79	76	84	83	50	46	48	53
	79	76	84	85	50	46	48	53
	78	77	84	85	50	46	49	53
	76	76	85	86	51	46	48	54
	79	76	85	85	51	46	49	54
	78	77	85	86	51	46	49	54
	78	77	85	87	51	46	49	53
	77	76	85	85	51	46	48	54
	75	76	85	85	51	46	49	53
	75	76	85	86	51	47	48	54
	75	76	86	85	50	46	49	54
	76	76	85	84	51	47	49	54
	76	75	85	85	51	47	49	54
	76	76	85	84	49	47	49	54
	76	75	86	85	51	48	49	54
	77	75	85	84	50	47	49	54
	76	75	85	84	50	47	49	54
	76	75	85	84	50	47	49	54
	76	75	86	83	49	47	49	54
	75	75	85	84	49	47	49	54
	75	75	86	85	49	47	50	54
	76	75	86	84	50	47	49	53
	76	75	85	84	49	47	49	54
	76	75	86	83	51	48	50	54
	76	76	86	83	49	47	49	54
	76	75	86	83	50	48	49	54
	76	75	86	83	51	48	49	54
	77	75	86	83	50	48	49	54
	76	76	86	84	51	48	50	54
	76	75	87	84	49	48	49	55
	76	75	86	84	50	48	50	55
	76	75	87	84	50	48	50	54
	76	75	86	83	49	48	50	55
	76	75	87	83	51	48	49	55
	76	75	86	83	49	47	49	54
	78	75	86	83	49	48	49	54
	78	76	87	84	49	48	50	54
	78	76	86	84	49	47	50	54
	79	77	86	85	49	48	49	54
	79	78	86	85	49	46	50	55
	78	78	86	85	50	47	50	55

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-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
198	61	27	102	95	79	78	86
199	61	46	102	94	78	78	86
200	62	4	103	94	78	78	86
201	62	23	103	93	78	77	86
202	62	41	103	94	79	78	87
203	63	0	102	94	79	78	88
204	63	19	103	93	78	78	86
205	63	37	103	93	80	79	86
206	63	56	104	92	80	78	86
207	64	15	104	92	80	78	85
208	64	33	104	92	80	79	85
209	64	52	105	92	80	78	85
210	65	11	106	91	81	78	85
211	65	29	106	91	80	78	84
212	65	48	107	91	81	79	85
213	66	6	108	91	81	78	84

-16	5-17	5-18	5-19	5-20	5-21	5-22	5-23	5-24
IN	MAIN	INTER.	TAIL	GEN.1	FUEL	L.ELEC	L.ELEC	L.ELEC
OX	G.BOX	GEAR	GEAR	MASS	TEMP.	COMPT	COMPT	COMPT
ER	COOLER	BOX	BOX	TEMP	TO	TOPCTR	BTM RT	BTMLFT
ET	OUTLET	OIL	OIL		COMBST	AIR	AIR	AIR
IL	OIL	TEMP	TEMP		HEATER	TEMP	TEMP	TEMP
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
5	79	78	86	85	50	47	50	55
4	78	78	86	85	50	47	50	54
4	78	78	86	85	49	47	50	54
3	78	77	86	85	50	47	51	55
4	79	78	87	86	50	47	50	54
4	79	78	88	87	51	48	49	54
3	78	78	86	86	50	47	49	54
3	80	79	86	87	51	46	48	52
2	80	78	86	88	51	46	48	52
2	80	78	85	88	52	46	48	52
2	80	79	85	88	52	46	48	52
5	80	78	85	88	51	46	49	52
1	81	78	85	89	51	45	48	52
1	80	78	84	90	53	46	48	52
1	81	79	85	90	52	46	48	52
1	81	78	84	91	53	45	48	51

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 258 +125 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
1	0	14	39	39	39	33	54
2	0	33	39	39	39	33	54
3	*	*	39	39	39	33	54
4	*	*	39	39	39	33	54
5	1	29	39	39	39	33	53
6	*	*	39	39	39	33	54
7	2	6	39	38	39	33	54
8	2	25	39	39	39	33	54
9	*	*	39	38	39	33	53
10	3	2	39	39	39	34	54
11	3	21	39	39	38	33	55
14	4	17	39	39	38	33	55
15	4	36	39	39	40	33	57
16	4	55	39	39	39	33	57
17	5	13	39	39	39	33	57
18	5	32	40	38	39	34	58
19	5	51	39	39	39	33	58
20	*	*	40	39	40	33	59
21	6	28	40	39	40	34	59
22	6	47	39	40	40	34	60
23	*	*	40	40	41	33	61
24	7	24	41	41	41	33	62
25	*	*	41	41	41	33	63
26	*	41	41	41	42	33	63
27	*	0	41	41	42	33	63
28	*	19	41	41	42	33	64
29	*	57	41	41	42	33	64
30	*	56	42	41	43	33	65
31	*	*	41	41	42	33	67
32	9	53	42	41	43	33	67
33	10	12	41	42	44	33	66
34	10	31	43	41	43	33	67
35	10	49	42	42	43	34	68
36	11	8	42	41	44	33	68
37	11	27	43	42	45	33	68
38	11	45	43	42	44	33	70
39	12	4	43	42	44	33	70
40	12	23	43	43	44	33	71
41	12	41	44	42	44	33	71
42	13	0	44	42	45	33	72
43	13	19	44	43	45	33	73
44	13	37	44	43	45	34	73
45	13	56	44	44	45	33	73
46	14	15	44	44	45	33	74

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
48	14	52	45	44	45	33	74
49	31	51	45	44	45	33	75
50	15	29	45	45	46	34	75
51	15	48	45	44	47	34	76
52	16	6	45	45	46	33	76
53	16	25	45	44	46	33	76
54	16	44	45	44	46	33	76
55	17	3	45	45	46	34	76
56	17	21	45	45	47	33	77
57	17	40	46	45	46	33	78
58	17	58	46	45	47	33	77
59	18	17	46	45	47	33	77
60	18	36	46	45	46	34	78
61	18	54	46	46	45	33	78
62	19	13	46	46	48	33	78
63	19	32	46	46	47	33	77
64	19	50	47	46	48	34	78
65	20	9	47	47	48	33	78
66	20	28	47	46	48	33	78
67	20	46	47	47	48	33	78
68	21	5	48	47	48	34	79
69	21	23	48	47	49	33	78
70	21	42	48	46	50	33	78
71	22	1	48	47	49	33	78
72	22	19	48	47	49	33	78
73	22	38	48	48	51	34	79
74	22	57	48	47	50	34	79
75	23	15	49	47	50	33	79
76	23	34	48	47	49	33	79
77	23	53	49	47	49	33	79
78	24	11	49	48	49	33	79
79	24	30	48	48	51	33	79
80	24	48	48	48	51	33	79
81	25	7	48	48	51	33	79
82	25	26	49	48	50	33	79
83	25	44	50	49	51	33	79
84	26	3	50	49	50	34	80
85	26	22	50	49	51	33	79
86	26	40	50	49	51	33	79
87	26	59	51	49	51	33	79
88	27	18	51	49	52	33	79
89	27	36	51	50	51	33	79
90	27	55	51	49	52	33	80
91	28	14	51	50	53	33	80
92	28	32	51	51	52	34	80
93	28	51	50	50	51	34	80
94	29	9	50	50	51	34	81
95	29	28	50	51	51	34	82
96	29	47	51	51	52	34	82
97	30	5	50	51	52	34	82

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
98	30	24	50	50	53	34	81
99	30	43	51	51	52	34	82
100	31	1	50	50	52	34	82
101	31	20	52	51	52	34	83
102	31	39	51	51	52	33	82
103	31	57	51	51	53	34	83
104	32	16	50	51	53	34	84
105	32	34	51	52	53	34	85
106	32	53	52	51	53	34	85
107	33	12	51	52	53	34	84
108	33	30	52	52	51	34	84
109	33	49	52	53	52	34	83
110	34	8	52	52	51	34	83
111	34	26	52	52	53	34	85
112	34	45	52	52	52	34	84
113	35	4	52	52	54	34	85
114	35	22	52	52	55	34	85
115	35	41	52	52	55	34	85
116	36	0	52	53	53	34	85
117	36	18	52	53	53	34	86
118	36	37	52	53	52	34	86
119	36	55	53	53	53	34	86
120	37	14	52	52	54	34	86
121	37	33	52	52	53	34	86
122	37	51	53	54	52	34	86
123	38	10	54	53	51	34	87
124	38	29	54	54	51	34	86
125	38	47	54	54	52	35	85
126	39	6	54	54	54	34	86
127	39	25	54	54	55	34	85
128	39	43	54	54	53	35	86
129	40	2	54	54	54	34	85
130	40	20	54	54	54	34	85
131	40	39	54	54	54	34	86
132	40	58	55	53	55	34	85
133	41	16	55	54	55	34	85
134	41	35	55	54	55	34	85
135	41	54	55	54	55	35	85
136	42	12	55	53	54	35	85
137	42	31	55	54	55	34	85
138	42	50	55	54	55	34	85
139	43	8	55	54	56	34	85
140	43	27	55	54	55	34	85
141	43	45	56	55	54	34	86
142	44	4	56	55	53	34	85
143	44	23	56	55	55	35	85
144	44	41	55	55	56	35	85
145	45	0	55	55	55	35	85
146	45	19	56	56	55	35	84
147	45	37	56	55	54	35	85

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
148	45	56	56	55	55	35	86
149	46	15	56	55	56	36	84
150	46	33	56	55	56	36	85
151	46	52	56	56	55	36	85
152	47	10	57	56	55	36	84
153	47	29	57	56	55	35	85
154	47	48	56	56	56	35	84
155	48	6	56	56	56	36	85
156	48	25	57	56	56	36	85
157	48	44	56	57	57	35	85
158	49	2	56	57	57	35	86
159	49	21	58	57	58	35	85
160	49	39	57	57	55	36	86
161	49	58	57	57	57	36	86
162	50	17	57	58	57	35	86
163	50	35	57	58	57	36	87
164	50	54	58	57	55	36	87
165	51	13	58	58	55	35	87
166	51	31	58	58	53	36	86
167	51	50	58	57	57	36	86
168	52	8	58	58	55	36	86
169	52	27	58	57	56	36	85
170	52	46	58	58	55	36	85
171	53	4	58	57	55	35	86
172	53	23	59	58	55	35	86
173	53	41	58	58	57	35	86
174	54	0	58	56	58	35	85
175	54	19	59	57	57	35	86
176	54	37	58	57	58	36	85
177	54	56	58	57	58	36	85
178	55	15	59	56	58	35	85
179	55	33	59	57	56	36	86
180	55	52	5[illegible]	58	56	35	85
181	56	10	58	58	58	36	85
182	56	29	59	58	58	35	85
183	56	48	59	58	58	36	86
184	57	6	59	58	57	36	85
185	57	25	60	58	58	36	85
186	57	43	59	58	58	36	85
187	58	2	59	58	57	36	85
188	58	21	59	58	59	36	85
189	58	39	60	59	56	36	85
190	58	58	60	59	55	36	85
191	59	17	59	59	57	36	85
192	59	35	59	59	59	36	85
193	59	54	59	59	59	36	85
194	60	12	59	60	59	36	86
195	60	31	5[illegible]	59	59	36	85
196	60	50	59	59	59	36	86
197	61	8	59	59	57	36	86

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN, FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
198	61	27	59	59	55	36	87
199	61	46	60	59	54	36	86
200	62	4	60	59	52	36	87
201	62	23	59	59	53	36	87
202	62	41	59	59	52	37	87
203	63	0	61	60	52	37	89
204	63	19	60	59	51	36	88
205	63	37	60	59	52	36	88
206	63	56	60	59	52	36	88
207	64	15	61	59	52	36	88
208	64	33	60	59	52	36	89
209	64	52	59	57	52	36	89
210	65	11	58	56	51	36	88
211	65	29	58	56	51	36	89
212	65	48	58	56	52	36	89
213	66	6	58	56	52	36	89

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 258 +125 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
1	0	16	53	48	52	65	51
2	0	35	53	48	52	64	51
3	*	*	53	49	52	64	51
4	*	*	53	49	52	64	51
5	1	31	53	49	52	64	51
6	1	50	53	48	52	64	51
7	2	9	52	49	52	64	51
8	2	27	52	49	52	64	52
9	2	46	52	49	51	63	51
10	3	5	52	48	51	63	51
11	3	23	53	48	51	64	50
14	4	19	52	49	51	64	51
15	*	*	52	48	51	64	50
16	*	*	52	49	52	64	50
17	5	15	52	48	52	63	51
18	*	*	51	49	51	63	50
19	*	33	51	48	51	63	50
20	*	52	52	49	52	64	49
21	*	10	51	49	50	64	49
22	*	29	52	48	51	64	50
23	*	*	52	48	52	64	49
24	7	26	52	48	51	64	50
25	*	*	52	48	51	63	49
26	8	4	51	49	51	63	49
27	*	*	52	48	52	62	49
28	*	21	52	47	52	63	49
29	*	*	52	47	51	63	49
30	9	18	52	48	51	62	49
31	9	37	52	49	51	62	49
32	9	56	52	48	51	62	49
33	10	14	52	48	51	62	49
34	10	33	52	48	51	62	49
35	10	52	52	47	51	62	49
36	11	10	54	48	52	62	49
37	11	29	56	48	49	63	48
38	11	48	56	48	48	62	49
39	12	6	58	48	45	62	49
40	12	25	59	48	44	62	49
41	12	44	61	49	41	61	49
42	13	2	60	48	39	61	49
43	13	21	59	49	38	61	49
44	13	40	57	49	37	61	49
45	13	58	58	48	37	62	50
46	14	17	57	50	37	62	49

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 258 +125 DEG

6-06 ENG.2 FUEL CNTRL INLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
48	52	65	51	51	44	44	55	54
48	52	64	51	51	45	45	54	53
49	52	64	51	51	45	45	55	53
49	52	64	51	51	45	45	54	54
49	52	64	51	51	45	45	54	54
48	52	64	51	51	45	45	54	54
49	52	64	51	51	44	45	54	53
49	52	64	52	51	45	45	54	52
49	51	63	51	51	44	44	54	54
48	51	63	51	51	45	44	54	54
48	51	64	50	50	45	44	54	52
49	51	64	51	50	45	43	53	53
48	51	64	50	50	45	42	53	52
49	52	64	50	50	45	43	53	52
48	52	63	51	49	44	43	52	53
49	51	63	50	50	44	43	53	52
48	51	63	50	49	44	42	52	53
49	52	64	49	49	45	44	53	52
49	50	64	49	49	45	43	53	52
48	51	64	50	49	45	43	53	52
48	52	64	49	49	45	43	53	51
48	51	64	50	49	45	44	53	52
48	51	63	49	49	45	43	52	52
49	51	63	49	49	45	44	52	52
48	52	62	49	49	44	44	51	52
47	52	63	49	49	45	44	51	51
47	51	63	49	49	44	43	51	51
48	51	62	49	49	44	43	51	52
49	51	62	49	49	45	44	51	52
48	51	62	49	49	45	43	51	52
48	51	62	49	49	45	44	51	52
48	51	62	49	49	44	44	51	52
47	51	57	49	48	45	43	51	51
48	52	62	49	49	44	43	50	51
48	49	63	48	49	45	43	51	52
49	48	62	49	49	45	42	52	53
48	45	62	49	49	45	44	54	53
48	44	62	49	49	45	45	54	54
49	41	61	49	49	45	45	55	54
48	39	61	49	49	45	48	55	54
49	38	61	49	49	45	49	54	53
49	37	61	49	49	45	48	52	52
48	37	62	50	49	45	48	52	52
50	37	62	49	50	45	48	52	53
49	37	64	48	50	45	48	52	53

1427

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
48	14	54	56	49	37	66	49
49	15	13	57	51	37	64	50
50	15	31	57	52	37	64	50
51	15	50	57	55	37	64	50
52	16	9	57	57	38	65	51
53	33	7	58	58	37	65	50
54	16	46	58	57	37	66	50
55	17	5	58	57	37	65	51
56	17	23	59	56	37	67	51
57	17	42	60	55	38	66	51
58	18	1	60	51	38	66	51
59	18	19	60	50	38	65	51
60	18	38	60	51	38	66	51
61	18	57	60	50	39	66	51
62	19	15	60	50	39	66	51
63	19	34	61	48	39	67	51
64	19	52	61	51	38	66	52
65	20	11	61	50	38	66	51
66	20	30	61	49	39	66	52
67	20	48	62	50	39	66	52
68	21	7	62	50	39	67	52
69	21	26	62	50	38	65	52
70	21	44	62	48	39	66	52
71	22	3	62	48	39	66	53
72	22	22	61	50	38	66	52
73	22	40	63	49	39	66	52
74	22	59	63	50	39	66	52
75	23	18	63	48	38	67	52
76	23	36	63	49	38	66	52
77	23	55	64	48	39	66	52
78	24	13	62	51	38	67	52
79	24	32	62	49	38	65	53
80	24	51	62	49	37	66	54
81	25	9	61	49	38	67	53
82	25	28	61	51	37	66	53
83	25	47	60	51	37	68	53
84	26	5	59	52	38	67	54
85	26	24	60	51	38	68	54
86	26	43	59	50	37	68	53
87	27	1	59	49	37	68	53
88	27	20	59	51	37	68	54
89	27	39	59	51	38	68	54
90	27	57	59	50	37	68	53
91	28	16	59	51	38	68	55
92	28	34	59	54	39	68	54
93	28	53	59	55	39	69	54
94	29	12	61	57	39	69	54
95	29	30	59	58	39	70	54
96	29	49	61	57	38	71	54
97	30	8	59	59	38	71	54

6-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
AG.2 FUEL NTRL TLET EMP G.C	ENG.1 BOOST PUMP OUTLET TEMP DEG.C	ENG.1 BLEED AIR TEMP DEG.C	ENG.1 LORD ISOL. MNT AFT IN DEG.C	ENG.1 LORD ISOL. MNT AFTOUT DEG.C	ENG.2 LORD ISOL. MNT AFT IN DEG.C	ENG.2 LORD ISOL. MNT AFTOUT DEG.C	ENG.1 INLET LIP SURF. 12.00 DEG.C	ENG.1 INLET LIP SURF. 1.00 DEG.C
49	37	66	49	50	45	48	52	53
51	37	64	50	50	45	49	52	54
52	37	64	50	50	46	49	53	55
55	37	64	50	50	45	52	53	55
57	38	65	51	51	45	52	53	54
58	37	65	50	50	45	52	52	52
57	37	66	50	51	46	53	52	54
57	37	66	51	51	46	53	52	53
56	37	67	51	51	45	54	52	53
55	38	66	51	51	46	54	51	51
51	38	66	51	51	47	54	50	50
50	38	66	51	51	48	54	50	50
51	38	66	51	51	48	54	49	49
50	38	66	51	51	48	55	49	51
50	39	66	51	51	47	54	49	49
48	39	67	51	51	48	55	49	49
51	38	66	52	51	48	55	49	49
50	38	66	51	51	48	55	49	49
49	39	66	52	51	48	56	49	48
50	39	66	52	52	48	56	49	48
50	38	67	52	52	49	56	49	48
50	38	66	52	52	49	57	49	48
48	39	66	52	51	49	56	48	48
48	39	66	53	52	50	56	49	48
50	38	66	52	52	49	58	49	48
49	39	66	52	52	50	58	49	48
50	39	66	52	52	50	57	49	48
48	38	67	52	52	51	57	49	48
49	38	66	52	52	51	57	49	48
48	39	66	52	52	51	56	49	48
51	38	67	52	52	51	58	49	48
49	38	66	53	52	52	58	48	48
49	37	66	54	53	52	58	48	48
49	38	67	53	52	52	57	48	48
51	37	66	53	52	52	58	48	48
51	37	68	53	53	53	58	48	48
52	38	67	54	53	53	59	48	48
51	38	68	54	53	53	59	48	48
50	37	68	53	53	54	58	49	48
49	37	68	53	53	54	59	48	49
51	37	68	54	53	54	57	48	48
51	38	68	54	53	55	59	49	48
50	37	68	53	53	55	58	48	48
51	38	68	55	53	55	58	48	48
54	39	68	54	53	55	59	51	50
55	39	69	54	54	55	59	51	51
57	39	69	54	54	55	59	53	51
58	39	70	54	53	55	60	53	52
57	38	71	54	54	55	60	54	53
59	38	71	54	54	55	60	54	53

1428

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
98	30	26	60	61	38	71	54
99	30	45	60	59	38	72	54
100	31	4	59	61	38	73	55
101	31	22	61	59	37	73	55
102	31	41	61	61	38	74	55
103	31	59	61	60	38	75	55
104	32	18	61	59	38	77	55
105	32	37	61	60	38	76	55
106	32	55	61	61	38	76	55
107	33	14	61	61	36	77	55
108	33	33	56	60	36	76	56
109	33	51	58	60	36	77	55
110	34	10	57	62	37	78	55
111	34	29	58	60	38	79	55
112	34	47	59	60	38	79	56
113	35	6	59	60	38	79	56
114	35	25	59	59	38	79	56
115	35	43	60	61	38	79	56
116	36	2	60	61	39	79	56
117	36	20	60	60	39	80	56
118	36	39	60	63	39	80	56
119	36	58	60	60	39	80	56
120	37	16	61	62	38	80	56
121	37	35	58	62	36	80	57
122	37	54	56	63	36	79	57
123	38	12	55	65	36	80	57
124	38	31	59	63	36	79	58
125	38	50	54	65	36	80	57
126	39	8	54	64	36	81	58
127	39	27	54	64	36	81	58
128	39	45	53	66	36	81	58
129	40	4	52	65	35	82	58
130	40	23	52	66	36	81	58
131	40	41	52	65	37	82	58
132	41	0	52	65	36	82	58
133	41	19	52	66	36	82	58
134	41	37	53	66	36	81	58
135	41	56	52	66	37	82	59
136	42	15	52	66	37	83	59
137	42	33	52	66	37	83	59
138	42	52	52	65	36	84	59
139	43	10	52	66	36	84	59
140	43	29	52	66	36	83	59
141	43	48	52	65	36	84	59
142	44	6	52	67	36	85	59
143	44	25	52	68	38	86	59
144	44	44	52	66	38	86	59
145	45	2	53	67	39	88	59
146	45	21	54	66	38	89	60
147	45	40	53	66	39	91	60

6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
38	71	54	54	55	60	54	53
38	72	54	54	56	60	54	54
38	73	55	54	56	61	53	54
37	73	55	54	57	60	54	54
38	74	55	54	57	61	54	54
38	75	55	54	57	61	54	54
38	77	55	54	58	61	55	55
38	76	55	55	58	60	54	55
38	76	55	55	58	59	52	52
36	77	55	55	58	59	50	51
36	76	56	55	58	58	49	48
36	77	55	55	59	57	48	49
37	78	55	55	58	58	49	49
38	79	55	55	58	58	50	50
38	79	56	56	59	60	52	52
36	79	56	55	59	60	53	53
38	79	56	55	59	60	54	53
38	79	56	55	59	60	54	54
39	79	56	55	59	61	54	54
39	80	56	55	59	60	54	54
39	80	56	55	60	60	54	54
39	80	56	56	59	61	55	54
38	80	56	55	60	61	55	55
36	80	57	55	60	59	52	51
36	79	57	56	60	59	50	50
36	80	57	56	60	58	49	50
36	79	58	56	60	57	49	49
36	80	57	56	61	58	49	49
36	81	56	56	61	58	48	48
36	81	58	56	61	58	49	49
36	81	58	56	61	57	48	48
35	82	58	56	60	57	48	49
36	81	58	56	61	57	49	48
37	82	58	56	61	57	49	49
36	82	58	56	60	57	49	49
36	82	58	57	61	58	48	48
36	81	58	57	61	56	49	49
37	82	59	57	61	57	49	49
37	83	59	57	61	57	49	49
37	83	59	57	61	56	49	48
36	84	59	58	61	57	49	49
36	84	59	57	61	57	49	49
36	83	59	58	61	56	49	48
36	84	59	57	61	57	49	48
36	85	59	58	60	57	49	49
38	86	59	58	61	57	49	48
38	86	59	58	61	56	49	49
39	88	59	58	61	56	49	48
38	89	60	58	61	57	49	49
39	91	60	58	61	56	49	49

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6- ENG LO ISO M AFTO DEG
148	45	58	54	66	38	92	60	
149	46	17	54	66	38	94	60	
150	46	35	53	67	38	96	60	
151	46	54	54	66	38	96	60	
152	47	13	53	66	38	98	60	
153	47	31	53	67	37	99	60	
154	47	50	54	66	37	101	61	
155	48	9	55	67	38	102	60	
156	48	27	57	62	40	103	60	
157	48	46	5[illegible]	62	41	103	60	
158	49	4	5[illegible]	61	42	104	60	
159	49	23	6[illegible]	59	41	103	61	
160	49	42	61	56	41	103	61	
161	50	0	61	60	41	103	61	
162	50	19	61	60	40	103	61	
163	50	38	62	56	41	103	61	
164	50	56	62	54	41	103	61	
165	51	15	62	52	40	102	61	
166	51	3[illegible]	63	52	41	101	60	
167	51	52	63	51	41	100	61	
168	52	11	64	51	41	100	60	
169	52	29	64	52	40	99	60	
170	52	48	64	52	41	98	60	
171	53	7	64	50	41	97	60	
172	53	25	64	50	40	96	61	
173	53	44	64	50	41	94	60	
174	54	2	64	51	41	93	60	
175	54	21	64	51	41	93	60	
176	54	40	64	49	40	92	60	
177	54	58	65	50	40	91	60	
178	55	17	65	52	41	90	60	
179	55	35	65	52	40	90	60	
180	55	54	65	52	41	89	59	
181	56	13	66	53	41	88	60	
182	56	31	65	51	41	87	60	
183	56	50	65	53	41	86	60	
184	57	8	65	51	41	86	59	
185	57	27	65	51	42	85	60	
186	57	46	65	51	41	84	60	
187	58	4	64	51	41	83	60	
188	58	23	65	51	41	82	60	
189	58	42	65	52	42	81	59	
190	59	0	65	52	41	81	59	
191	59	19	65	53	41	81	59	
192	59	37	65	56	41	81	59	
193	59	56	64	56	41	80	59	
194	60	15	64	57	40	80	59	
195	60	33	63	59	40	79	59	
196	60	52	63	59	41	79	59	
197	61	11	63	60	40	79	59	

6-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
6.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
UEL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
TRL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
LET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
EMP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
66	38	92	60	59	61	57	49	49
66	38	94	60	58	60	56	49	48
67	38	96	60	58	61	56	49	49
66	38	96	60	58	61	56	49	48
66	38	98	60	58	60	56	49	49
67	37	99	60	58	61	56	48	48
66	37	101	61	58	61	55	48	48
67	38	102	60	58	60	59	51	51
62	40	103	60	58	60	59	54	53
62	41	103	60	59	60	60	55	54
61	42	104	60	59	60	60	55	56
59	41	103	61	59	60	59	54	53
56	41	103	61	59	61	59	53	52
60	41	103	61	59	61	61	54	54
60	40	103	61	59	61	61	55	54
56	41	103	61	59	61	60	54	52
54	41	103	61	59	61	59	52	52
52	40	102	61	59	61	59	52	51
52	41	101	60	59	61	59	51	50
51	41	100	61	59	62	59	51	50
51	41	100	60	59	62	59	51	50
52	40	99	60	59	62	59	51	50
52	41	98	60	59	62	59	50	49
50	41	97	60	59	62	59	51	50
50	40	96	61	59	61	59	50	49
50	41	94	60	59	61	59	49	49
51	41	95	60	59	62	59	50	49
51	41	93	60	59	62	59	49	49
49	40	92	60	59	62	59	49	49
50	40	91	60	60	62	59	49	49
52	41	90	60	59	62	59	49	49
52	40	90	60	59	62	59	49	49
52	41	89	59	59	62	59	49	49
53	41	88	60	59	62	59	49	49
51	41	87	60	59	63	59	49	49
53	41	86	60	59	63	59	49	48
51	41	86	59	59	63	59	49	49
51	42	85	60	60	63	59	49	49
51	41	84	60	59	64	59	49	49
51	41	83	60	59	64	59	49	49
51	41	82	60	59	63	59	49	51
52	42	81	59	59	63	59	49	48
52	41	81	59	59	64	59	49	48
53	41	81	59	59	64	60	50	49
54	41	81	59	59	63	62	52	52
54	41	80	59	59	62	61	51	51
57	40	80	59	59	63	62	50	50
59	40	79	59	59	63	61	51	51
59	41	79	59	59	63	61	50	49
60	40	79	59	59	63	61	50	50

1430

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6 EN L IS AFT DE
198	61	29	62	61	40	79	59	
199	61	48	62	59	39	78	59	
200	62	6	62	63	39	79	59	
201	62	25	62	62	40	79	59	
202	62	44	62	64	40	78	59	
203	63	2	62	65	41	78	59	
204	63	21	62	64	40	78	59	
205	63	40	62	64	41	78	59	
206	63	58	62	63	42	79	59	
207	64	17	62	65	43	80	59	
208	64	36	63	65	43	82	59	
209	64	54	63	65	43	84	59	
210	65	13	64	64	43	86	59	
211	65	31	65	65	45	89	59	
212	65	50	6[illegible]	65	46	91	60	
213	66	9	6[illegible]	65	46	93	60	

6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
40	79	59	59	64	60	51	51
39	78	59	59	64	60	52	52
39	79	59	59	64	61	52	52
40	79	59	59	64	62	52	53
40	78	59	59	64	62	53	54
41	78	59	59	65	62	54	54
40	78	59	58	65	60	53	54
41	78	59	59	65	61	54	55
42	79	59	59	65	60	55	54
43	80	59	59	65	62	55	54
43	82	59	59	65	75	57	55
43	84	59	59	65	78	59	57
43	86	59	59	65	77	62	57
45	89	59	59	65	80	64	59
46	91	60	60	65	81	65	59
46	93	60	60	66	78	65	59

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25B +125 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6- ENG INL SUR 6. DEG
1	0	16	52	51	50	50	50	
2	0	35	52	51	50	50	50	
3	*	*	52	51	50	50	49	
4	*	*	52	51	50	50	49	
5	1	31	52	51	50	50	49	
6	1	50	52	51	50	50	50	
7	2	9	51	51	49	49	49	
8	2	27	52	50	49	49	49	
9	2	46	51	50	49	49	50	
10	3	5	51	50	49	49	49	
11	3	23	51	50	49	50	48	
14	4	19	51	49	49	48	49	
15	*	*	49	49	49	49	48	
16	*	*	50	49	49	48	48	
17	5	15	50	49	49	48	48	
18	*	*	51	49	48	49	49	
19	*	33	50	49	49	48	48	
20	*	52	50	49	49	49	48	
21	*	10	50	49	49	49	49	
22	*	29	50	50	49	49	49	
23	*	*	49	49	49	49	49	
24	7	26	51	49	49	49	49	
25	*	*	51	49	49	48	49	
26	8	4	51	50	49	49	49	
27	*	*	50	48	48	47	48	
28	*	21	49	48	48	48	47	
29	*	*	49	49	49	48	48	
30	9	18	49	48	48	48	49	
31	9	37	50	48	48	48	48	
32	9	56	50	49	49	49	48	
33	10	14	50	49	49	48	48	
34	10	33	51	49	49	49	49	
35	10	52	50	48	48	48	48	
36	11	10	49	48	48	48	48	
37	11	29	51	49	49	49	50	
38	11	48	51	51	49	50	51	
39	12	6	52	52	51	52	52	
40	12	25	53	52	52	53	53	
41	12	44	54	52	52	53	53	
42	13	2	54	54	53	53	53	
43	13	21	54	53	52	53	52	
44	13	40	52	51	52	52	52	
45	13	58	52	52	51	51	52	
46	14	17	53	51	51	51	51	
47	14	36	51	51	51	51	52	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 258 +125 DEG F

6-16 .1 ET IP F. 45 .C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
51	50	50	50	50	55	46	55	43
51	50	50	50	50	54	46	55	42
1	50	50	49	50	54	46	54	42
51	50	50	49	49	54	46	52	42
1	50	50	49	49	53	45	50	41
51	50	50	50	49	53	45	50	41
51	49	49	49	49	52	45	51	40
50	49	49	49	49	53	45	52	41
0	49	49	50	49	54	45	53	41
0	49	49	49	48	53	45	54	42
0	49	50	48	48	53	44	54	41
49	49	48	49	48	53	45	52	41
49	49	49	48	48	52	44	51	40
9	49	48	48	48	52	44	51	40
9	49	48	48	47	52	44	51	41
9	48	49	49	48	52	44	52	41
9	49	48	48	48	52	44	52	41
9	49	49	48	46	52	44	53	41
9	49	49	49	48	52	44	54	41
0	49	49	49	49	52	44	54	41
0	49	49	49	49	52	44	53	41
0	49	49	49	48	52	44	54	41
0	49	48	49	48	52	44	54	41
0	49	49	49	49	52	44	55	42
0	48	47	48	45	52	44	54	44
0	48	48	47	45	53	43	55	44
0	49	48	48	46	54	43	55	46
0	48	48	49	46	54	44	55	49
0	48	48	48	47	54	45	54	50
0	49	49	48	46	54	46	53	48
0	49	48	48	47	54	45	54	46
0	49	49	49	48	53	45	53	45
0	48	48	48	46	52	45	53	45
0	48	46	48	44	57	44	63	48
0	49	49	50	48	55	48	58	50
1	49	50	51	50	55	51	56	52
2	51	52	52	51	55	53	56	54
3	52	53	53	52	55	55	57	55
3	52	53	53	52	56	54	58	55
3	53	53	53	54	55	54	59	55
3	52	53	52	53	56	54	60	55
4	52	52	52	51	55	52	60	55
4	51	51	52	51	55	54	60	56
4	51	51	51	51	56	55	62	56
4	51	51	52	51	55	53	61	56

1432

6-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	E I S D
48	14	54	51	51	51	51	51	
49	15	13	52	51	51	51	51	
50	15	31	52	51	50	51	52	
51	15	50	52	52	51	51	51	
52	16	9	52	51	51	51	52	
53	33	7	52	51	49	51	52	
54	16	46	52	51	50	51	51	
55	17	5	51	51	51	51	51	
56	17	23	51	50	50	50	50	
57	17	42	51	49	49	50	50	
58	18	1	49	49	49	50	49	
59	18	19	49	48	48	49	49	
60	18	38	49	48	48	49	49	
61	18	57	48	48	49	48	49	
62	19	15	48	48	48	48	49	
63	19	34	48	48	48	48	49	
64	19	52	48	48	48	49	49	
65	20	11	48	48	48	49	49	
66	20	30	48	47	48	49	48	
67	20	48	48	48	48	48	49	
68	21	7	48	48	47	48	49	
69	21	26	48	47	47	48	48	
70	21	44	48	47	47	48	48	
71	22	3	48	48	47	48	49	
72	22	22	48	48	47	48	48	
73	22	40	48	47	48	48	48	
74	22	59	48	47	46	48	48	
75	23	18	48	46	48	48	48	
76	23	36	48	48	48	47	49	
77	23	55	48	48	48	49	48	
78	24	13	48	47	47	48	48	
79	24	32	48	48	47	49	48	
80	24	51	48	47	48	48	49	
81	25	9	48	46	47	49	48	
82	25	28	48	48	48	48	49	
83	25	47	48	47	46	48	48	
84	26	5	48	46	48	48	48	
85	26	24	48	47	48	48	49	
86	26	43	48	48	47	48	49	
87	27	1	48	47	48	48	49	
88	27	20	48	48	48	48	48	
89	27	39	48	48	47	48	48	
90	27	57	48	47	47	48	49	
91	28	16	48	48	48	48	49	
92	28	34	49	49	48	49	49	
93	28	53	50	49	49	49	49	
94	29	12	52	50	49	50	50	
95	29	30	51	51	49	51	51	
96	29	49	51	51	50	51	51	
97	30	8	53	51	52	52	52	

-16 G.1 NLET LIP URF. .45 G.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
51	51	51	51	51	56	53	62	56
51	51	51	51	51	57	54	62	56
51	50	51	52	51	5	54	63	56
52	51	51	51	52	58	54	63	56
51	51	51	52	51	57	54	62	56
51	49	51	52	51	57	53	61	56
51	50	51	51	52	58	53	62	56
51	51	51	51	51	58	53	63	56
50	50	50	50	50	57	53	64	56
49	49	50	50	50	54	52	60	55
49	49	50	49	50	52	52	58	55
48	48	49	49	49	51	52	57	55
48	48	49	49	50	51	52	56	54
48	49	48	49	49	51	52	56	55
48	48	48	49	49	51	51	57	54
48	48	48	49	51	52	51	57	54
48	48	49	49	49	52	51	57	54
48	48	49	49	49	52	51	56	54
47	48	49	48	49	52	51	56	54
48	48	48	49	49	51	51	56	54
48	47	48	49	49	52	52	56	54
47	47	48	48	49	52	51	56	53
47	47	48	48	49	52	51	56	53
48	47	48	49	48	52	51	56	54
48	47	48	48	49	52	52	56	53
47	48	48	48	49	52	51	56	53
47	46	48	48	49	52	52	55	53
48	48	48	48	49	52	51	55	54
48	48	47	49	49	52	51	56	53
48	48	49	48	49	52	51	56	54
47	47	48	48	49	52	52	56	53
48	47	49	48	48	52	52	55	53
47	48	48	49	48	52	52	55	53
48	47	49	48	48	52	51	58	53
48	48	48	49	49	52	52	56	53
47	46	48	48	48	52	52	56	53
48	48	48	48	49	52	51	56	54
48	48	48	49	49	52	52	56	54
47	48	48	49	49	52	51	56	54
48	48	48	49	48	52	52	56	54
48	48	46	48	49	52	52	56	53
47	47	48	48	49	52	51	56	54
47	47	48	49	49	52	51	56	54
48	48	48	51	52	52	51	56	54
48	48	49	49	49	54	52	59	55
49	49	49	49	49	55	53	61	56
49	49	50	50	50	56	52	61	56
49	49	51	51	50	56	54	61	56
50	50	51	51	51	58	55	63	58
52	52	52	52	52	58	55	64	58

1433

2

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6- EN IN SU 6 DE
98	30	26	52	52	51	51	52	
99	30	45	52	52	51	51	52	
100	31	4	52	51	51	52	51	
101	31	22	52	52	52	52	53	
102	31	41	53	52	52	52	52	
103	31	59	53	52	52	52	52	
104	32	18	53	52	52	52	52	
105	32	37	52	52	52	53	52	
106	32	55	51	50	50	51	52	
107	33	14	49	49	50	50	51	
108	33	33	48	48	48	48	49	
109	33	51	48	48	48	48	49	
110	34	10	49	48	48	48	50	
111	34	29	49	48	48	48	50	
112	34	47	50	49	49	49	49	
113	35	6	52	50	51	50	50	
114	35	25	51	51	51	50	50	
115	35	43	52	51	51	52	51	
116	36	2	52	51	51	50	51	
117	36	20	52	51	51	50	50	
118	36	39	52	52	51	51	51	
119	36	58	53	52	52	51	51	
120	37	16	52	52	52	51	51	
121	37	35	49	49	49	50	51	
122	37	54	49	48	49	49	49	
123	38	12	49	49	48	49	49	
124	38	31	48	49	48	49	49	
125	38	50	48	48	48	49	49	
126	39	8	48	48	48	49	49	
127	39	27	49	48	48	49	49	
128	39	45	49	48	48	49	49	
129	40	4	48	48	48	48	49	
130	40	23	48	48	48	49	49	
131	40	41	48	48	48	49	49	
132	41	0	48	48	48	48	49	
133	41	19	49	48	48	49	49	
134	41	37	48	48	48	49	49	
135	41	56	48	48	48	49	50	
136	42	15	49	49	48	49	49	
137	42	33	49	48	48	49	49	
138	42	52	49	48	48	49	49	
139	43	10	48	49	48	49	49	
140	43	29	49	49	48	49	49	
141	43	48	49	49	48	49	50	
142	44	6	49	49	48	49	49	
143	44	25	49	49	48	50	49	
144	44	44	49	48	48	49	49	
145	45	2	49	49	48	49	49	
146	45	21	48	48	48	49	50	
147	45	40	49	48	48	51	49	

6-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
LET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
RF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
52	51	51	52	51	59	54	64	58
52	51	51	52	52	59	54	64	58
51	51	52	51	51	59	55	64	58
52	52	52	53	51	58	55	64	59
52	52	52	52	52	59	55	65	58
52	52	52	52	51	59	54	65	58
52	52	52	52	52	60	55	65	59
52	52	53	52	51	60	55	65	59
50	50	51	52	50	57	54	63	57
49	50	50	51	49	54	53	61	56
48	48	48	49	49	52	52	61	56
48	48	48	49	49	54	51	63	56
48	48	48	50	49	55	52	62	55
48	48	48	50	50	56	52	62	55
49	49	49	49	50	56	54	62	57
50	51	50	50	50	58	54	64	58
51	51	50	50	51	59	54	64	57
51	51	52	51	50	60	54	65	58
51	51	50	51	50	59	55	65	58
51	51	50	50	51	59	55	64	58
52	51	51	51	50	59	55	65	58
52	52	51	51	51	60	55	65	58
52	52	51	51	51	61	54	66	58
49	49	50	51	49	57	54	63	57
48	49	49	49	49	55	53	63	56
49	48	49	49	49	54	53	63	57
49	48	49	49	49	54	53	64	57
48	48	49	49	49	55	53	64	57
48	48	49	49	49	54	52	64	57
48	48	49	49	49	54	52	64	57
48	48	49	49	49	55	52	64	57
48	48	48	49	49	55	52	64	57
48	48	49	49	49	55	53	65	57
48	48	49	49	49	55	52	65	58
48	48	48	49	49	55	52	65	58
48	48	49	49	50	54	53	64	58
48	48	49	49	49	56	53	65	58
48	48	49	50	49	55	53	65	58
49	48	49	49	49	55	53	65	58
48	48	49	49	50	54	53	64	58
48	48	49	49	50	55	53	65	58
49	48	49	49	49	55	53	65	58
49	48	49	49	49	56	53	65	58
49	48	49	50	49	54	53	64	58
49	48	49	49	50	55	53	65	58
49	48	50	49	49	56	53	65	58
48	48	49	49	49	56	53	65	58
49	48	49	49	49	55	54	65	59
48	48	49	50	49	55	54	65	59
49	48	51	49	50	55	53	65	58

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.10 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C
148	45	58	48	49	48	49	49	49
149	46	17	48	49	48	49	49	49
150	46	35	48	48	48	48	49	49
151	46	54	48	49	48	49	49	49
152	47	13	48	48	48	48	49	49
153	47	31	48	48	48	48	49	49
154	47	50	48	48	48	48	49	49
155	48	9	50	49	49	51	50	50
156	48	27	51	50	50	50	51	51
157	48	46	52	52	52	52	53	53
158	49	4	53	52	52	52	53	52
159	49	23	51	51	50	52	52	52
160	49	42	51	51	49	50	52	51
161	50	0	52	52	50	51	51	52
162	50	19	52	51	51	52	52	52
163	50	38	52	51	51	51	52	52
164	50	56	51	51	51	51	52	52
165	51	15	50	50	51	50	51	51
166	51	33	50	50	49	49	51	51
167	51	52	49	49	49	49	51	51
168	52	11	49	49	49	49	49	51
169	52	29	49	49	49	49	49	51
170	52	48	49	49	49	49	50	50
171	53	3	49	49	49	49	50	50
172	53	25	49	49	48	49	49	49
173	53	44	48	49	49	49	49	50
174	54	2	49	48	49	49	49	50
175	54	21	49	48	49	49	50	49
176	54	40	49	48	49	49	51	50
177	54	58	48	48	48	49	49	49
178	55	17	49	48	48	49	49	49
179	55	35	48	48	48	49	49	49
180	55	54	49	48	48	49	49	49
181	56	13	48	48	48	48	49	49
182	56	31	48	48	48	49	49	49
183	56	50	49	48	49	48	49	49
184	57	8	48	48	48	49	49	49
185	57	27	49	48	49	49	49	50
186	57	46	48	48	48	49	49	49
187	58	4	48	48	48	48	49	49
188	58	23	48	48	48	49	48	49
189	58	42	48	49	48	49	49	49
190	59	0	48	48	49	49	49	50
191	59	19	49	49	48	49	50	49
192	59	37	50	50	50	50	51	51
193	59	56	50	49	49	51	50	50
194	60	15	49	49	49	50	50	49
195	60	33	49	49	49	49	49	49
196	60	52	49	49	49	49	49	49
197	61	11	49	49	49	49	50	49

6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
48	49	49	49	55	54	65	58
48	49	49	49	56	53	65	58
48	48	49	49	55	53	65	58
48	49	49	49	55	53	64	58
48	48	49	49	54	54	64	58
48	48	49	49	54	53	64	58
48	48	49	49	55	52	65	58
49	51	50	50	57	55	66	59
50	50	51	51	59	56	69	60
52	52	53	53	59	55	69	60
52	52	53	52	61	57	69	60
50	52	52	52	57	55	64	59
49	50	52	51	55	55	63	57
50	51	51	52	59	56	65	59
51	52	52	52	61	56	65	59
51	51	52	52	58	55	64	58
51	51	52	52	55	55	61	58
51	50	51	51	54	54	60	57
49	49	51	51	54	53	59	56
49	49	51	51	53	54	58	55
49	49	49	51	54	53	58	55
49	49	49	51	54	53	58	55
49	49	50	50	53	53	58	56
49	49	50	50	52	54	58	55
48	49	49	49	52	53	58	55
49	49	49	50	54	53	58	55
49	49	49	50	53	52	56	54
49	49	50	49	52	52	57	55
48	49	51	50	53	52	56	54
48	49	49	49	52	52	56	54
48	49	49	49	52	52	57	54
48	49	49	49	52	52	56	54
48	49	49	49	52	52	56	54
48	48	49	49	52	52	56	54
48	49	49	49	52	52	56	54
48	49	49	49	52	52	56	54
48	49	49	50	52	52	56	54
48	49	49	49	52	52	56	54
48	48	49	49	52	52	56	54
48	49	48	49	52	52	56	54
48	49	49	49	52	52	56	54
48	48	49	50	52	52	56	54
48	49	50	49	52	52	59	55
50	50	51	51	55	54	60	56
49	51	50	50	56	53	61	55
49	50	50	49	57	52	61	55
49	49	49	49	57	52	62	55
49	49	49	49	57	51	62	55
49	49	50	49	57	52	62	55

6-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6 EN IN SU (DE
198	61	29	49	50	49	49	49	
199	61	48	51	50	50	49	50	
200	62	6	51	50	51	49	49	
201	62	25	51	51	51	50	49	
202	62	44	52	52	51	49	51	
203	63	2	52	51	51	50	49	
204	63	21	52	51	51	51	50	
205	63	40	52	51	51	51	51	
206	63	58	52	52	51	51	51	
207	64	17	53	52	51	51	51	
208	64	36	55	53	52	52	52	
209	64	54	57	54	54	52	52	
210	65	13	59	55	55	52	52	
211	65	31	61	56	56	54	52	
212	65	50	62	58	56	54	52	
213	66	9	62	58	56	54	52	

-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
LET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
RF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
50	49	49	49	50	58	52	61	55
50	50	49	50	50	58	53	64	56
50	51	49	49	50	58	53	63	55
51	51	50	49	50	58	53	64	56
52	51	49	51	50	59	54	64	57
51	51	50	49	50	59	52	64	56
51	51	51	50	50	59	53	65	57
51	51	51	51	52	60	54	77	58
52	51	51	51	52	71	54	99	59
52	51	51	51	52	104	54	148	61
53	52	52	52	52	133	55	173	69
54	54	52	52	53	144	56	184	78
55	55	52	52	53	146	57	182	83
56	56	54	52	54	149	59	177	88
56	56	54	52	54	136	56	160	78
56	56	54	52	54	132	55	156	78

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25B +125 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
1	0	16	53	54	49	50
2	0	35	53	54	49	50
3	*	*	53	53	49	50
4	*	*	53	53	50	51
5	1	31	53	54	50	50
6	1	50	53	53	49	50
7	2	9	52	53	50	50
8	2	27	52	53	49	50
9	2	46	54	54	50	5.
10	3	5	52	54	49	50
11	3	23	52	54	49	50
14	4	19	52	53	49	50
15	*	*	52	53	48	50
16	*	*	52	53	49	49
17	5	15	52	52	49	49
18	*	*	52	53	49	49
19	*	33	52	52	49	49
20	*	52	52	53	50	49
21	*	10	52	54	49	49
22	*	29	53	53	49	50
23	*	*	53	53	50	50
24	7	26	52	54	50	50
25	*	*	53	53	49	49
26	8	4	52	52	49	49
27	*	*	58	53	49	49
28	*	21	67	54	49	50
29	*	*	68	54	49	50
30	9	18	69	55	49	49
31	9	37	69	55	49	49
32	9	56	69	56	49	49
33	10	14	69	55	49	50
34	10	33	68	56	49	50
35	10	52	69	56	49	51
36	11	10	79	57	49	50
37	11	29	83	60	49	50
38	11	48	83	61	49	50
39	12	6	83	63	49	49
40	12	25	83	66	48	49
41	12	44	83	67	48	50
42	13	2	82	69	49	50
43	13	21	82	72	50	50
44	13	40	81	73	49	49
45	13	58	80	75	50	50
46	14	17	80	76	49	51
47	14	36	79	77	49	50

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
48	14	54	79	78	49	49
49	15	13	7[illegible]	79	61	50
50	15	31	78	81	71	52
51	15	50	77	82	72	55
52	16	9	78	82	72	58
53	33	7	77	83	71	61
54	16	46	77	84	71	64
55	17	5	77	84	71	66
56	17	23	76	85	70	68
57	17	42	76	86	70	71
58	18	1	76	85	69	72
59	18	19	76	85	69	73
60	18	38	75	85	68	75
61	18	57	75	86	67	77
62	19	15	75	85	68	79
63	19	34	75	86	67	81
64	19	52	74	86	66	81
65	20	11	75	85	68	83
66	20	30	73	85	68	83
67	20	48	74	84	66	85
68	21	7	74	85	67	85
69	21	26	73	84	67	86
70	21	44	74	84	68	89
71	22	3	73	84	67	88
72	22	22	73	84	67	88
73	22	40	73	85	67	89
74	22	59	73	83	68	90
75	23	18	73	83	68	89
76	23	36	73	84	67	91
77	23	55	72	83	66	90
78	24	13	72	83	67	91
79	24	32	72	83	67	92
80	24	51	72	82	67	92
81	25	9	72	83	68	92
82	25	28	72	83	67	92
83	25	47	72	84	67	93
84	26	5	72	83	68	93
85	26	24	71	84	68	92
86	26	43	71	83	67	92
87	27	1	71	83	68	93
88	27	20	70	84	68	92
89	27	39	71	83	68	93
90	27	57	70	84	67	94
91	28	16	70	85	68	93
92	28	34	71	85	69	96
93	28	53	71	85	69	96
94	29	12	71	86	69	96
95	29	30	70	86	70	96
96	29	49	71	87	70	96
97	30	8	72	87	70	96

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
98	30	26	71	88	71	96
99	30	45	71	88	70	96
100	31	4	72	88	71	96
101	31	22	71	89	71	95
102	31	41	72	89	71	96
103	31	59	71	89	71	96
104	32	18	71	89	73	95
105	32	37	72	90	72	95
106	32	55	71	90	72	94
107	33	14	71	89	71	92
108	33	33	70	89	70	90
109	33	51	71	90	70	91
110	34	10	71	89	71	92
111	34	29	71	91	72	91
112	34	47	72	91	71	92
113	35	6	71	91	71	92
114	35	25	71	91	72	92
115	35	43	72	92	72	92
116	36	2	71	91	72	91
117	36	20	72	91	71	92
118	36	39	71	91	71	92
119	36	58	72	91	72	92
120	37	16	71	91	72	93
121	37	35	71	91	71	91
122	37	54	71	91	71	89
123	38	12	71	91	70	89
124	38	31	70	91	71	88
125	38	50	70	91	71	88
126	39	8	71	92	70	87
127	39	27	71	92	70	88
128	39	45	71	93	71	86
129	40	4	70	92	69	87
130	40	23	70	93	71	86
131	40	41	71	93	69	87
132	41	0	71	95	69	86
133	41	19	71	96	70	85
134	41	37	71	95	69	85
135	41	56	71	96	70	85
136	42	15	70	96	70	85
137	42	33	71	96	69	84
138	42	52	71	97	69	85
139	43	10	71	97	69	84
140	43	29	71	98	68	83
141	43	48	70	98	69	83
142	44	6	71	98	69	83
143	44	25	71	98	69	84
144	44	44	72	98	69	83
145	45	2	71	98	69	83
146	45	21	71	98	69	82
147	45	40	72	99	68	82

1439

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
148	45	58	71	98	67	82
149	46	17	71	98	68	83
150	46	35	71	99	67	82
151	46	54	72	98	68	83
152	47	13	72	98	68	82
153	47	31	72	99	67	82
154	47	50	72	99	68	83
155	48	9	72	100	68	85
156	48	27	73	101	69	85
157	48	46	73	101	70	85
158	49	4	73	101	69	86
159	49	23	73	100	68	86
160	49	42	73	99	69	86
161	50	0	73	99	70	88
162	50	19	73	98	70	89
163	50	38	74	97	70	88
164	50	56	73	96	69	87
165	51	15	73	96	68	88
166	51	33	74	95	68	88
167	51	52	73	94	68	88
168	52	11	73	92	69	88
169	52	29	73	92	68	89
170	52	48	73	92	69	91
171	53	7	73	91	68	90
172	53	25	73	90	68	91
173	53	44	72	89	69	93
174	54	2	73	90	68	93
175	54	21	73	88	68	93
176	54	40	73	88	68	92
177	54	58	72	88	68	94
178	55	17	73	87	68	94
179	55	35	72	88	68	94
180	55	54	73	87	69	94
181	56	13	72	86	69	95
182	56	31	72	86	68	95
183	56	50	73	86	69	95
184	57	8	72	86	69	95
185	57	27	73	86	69	96
186	57	46	73	85	69	95
187	58	4	71	86	69	95
188	58	23	72	85	70	96
189	58	42	72	85	69	95
190	59	0	71	85	69	94
191	59	19	72	85	69	96
192	59	37	72	85	70	98
193	59	56	72	85	70	98
194	60	15	72	84	70	97
195	60	33	72	85	71	96
196	60	52	71	85	71	97
197	61	11	72	85	71	96

1440

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
198	61	29	72	85	70	96
199	61	48	71	86	71	96
200	62	6	72	86	72	96
201	62	25	72	86	72	95
202	62	44	72	87	72	95
203	63	2	71	86	73	95
204	63	21	72	87	73	94
205	63	40	71	89	72	95
206	63	58	73	88	73	95
207	64	17	73	89	74	93
208	64	36	73	88	74	94
209	64	54	75	89	75	93
210	65	13	73	88	76	92
211	65	31	74	88	75	92
212	65	50	77	88	75	92
213	66	9	79	87	81	92

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25B +125 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7- ENG FU PU CA TI DEG
1	0	19	58	58	56	57	54	
2	0	37	58	58	55	57	55	
3	0	56	58	57	55	57	54	
4	1	15	58	57	56	57	54	
5	1	33	58	58	55	57	54	
6	1	52	58	57	55	57	54	
7	2	11	57	57	54	57	54	
8	2	29	57	57	54	57	53	
9	2	48	58	57	55	57	54	
10	*	*	58	57	54	56	54	
11	*	*	57	57	55	56	54	
14	*	2	56	56	54	56	54	
15	*	20	57	56	54	57	54	
16	*	*	57	55	53	55	53	
17	5	18	56	56	54	56	54	
18	5	36	56	56	54	56	53	
19	*	*	56	56	53	56	54	
20	*	54	56	56	54	56	53	
21	*	12	56	55	54	56	53	
22	*	31	56	56	53	55	53	
23	*	*	57	56	53	56	53	
24	7	28	56	55	54	56	53	
25	*	*	55	55	53	56	53	
26	*	46	55	56	54	55	53	
27	*	*	56	55	54	53	64	
28	8	43	56	55	54	53	64	
29	9	2	56	56	55	53	64	
30	9	20	56	56	54	54	65	
31	9	39	56	55	54	54	64	
32	9	58	56	55	53	55	64	
33	10	16	56	54	55	55	63	
34	10	35	56	55	54	55	62	
35	10	54	56	55	54	53	65	
36	11	12	56	55	55	53	66	
37	11	31	56	57	53	55	67	
38	11	50	56	55	54	56	70	
39	12	8	56	56	54	58	72	
40	12	27	56	56	55	58	73	
41	12	46	57	57	55	58	74	
42	13	4	58	56	56	59	75	
43	13	23	58	56	56	57	75	
44	13	42	59	57	56	57	75	
45	14	0	60	58	57	57	77	
46	14	19	62	58	57	57	78	
47	14	38	63	58	57	57	80	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 258 +125 DEG F

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06	7-07	7-08	7-09	7-10	7-11	7-13	7-14	7-15
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
IT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
TR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
IN	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.3	STG.4
0	OUTBD	TEMP	OIL	TEMP	4.30	OIL	6.00	3.00
C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
8	56	57	54	55	58	56	59	64
8	55	57	55	56	58	55	59	63
7	55	57	54	55	58	54	59	64
7	56	57	54	56	58	55	60	63
8	55	57	54	55	58	54	60	64
7	55	57	54	56	58	55	59	63
7	54	57	54	56	58	54	59	63
7	54	57	53	55	58	54	60	64
8	55	57	54	56	58	55	60	64
8	54	56	54	56	58	55	59	63
8	55	56	54	56	58	55	58	64
8	54	56	54	55	58	55	59	64
8	54	57	54	55	58	53	59	64
8	53	55	53	55	58	54	59	63
8	54	56	54	55	57	54	58	64
8	54	56	53	55	57	54	59	64
8	53	56	54	55	58	55	59	64
8	54	56	53	55	58	54	59	63
8	54	56	53	55	57	53	60	64
8	53	55	53	55	57	54	58	64
8	53	56	53	55	58	54	59	64
8	54	56	53	54	58	54	59	64
8	53	56	53	55	58	54	59	63
8	54	55	53	55	58	53	59	63
8	54	53	64	56	58	73	58	62
8	54	53	64	56	57	74	55	58
8	55	53	64	56	55	73	53	56
8	54	54	65	56	54	70	53	56
8	54	54	64	56	53	69	52	56
8	53	55	64	57	53	68	52	56
8	55	55	63	57	53	68	53	55
8	54	55	62	56	53	67	53	55
8	54	53	65	55	53	70	53	55
8	55	53	66	56	54	74	58	57
8	53	55	67	58	54	77	63	63
8	54	56	70	60	56	78	67	69
8	54	58	72	60	58	81	71	72
8	55	58	73	61	60	82	72	75
8	55	56	74	61	62	86	76	78
8	56	59	75	60	64	91	94	94
8	56	57	75	58	65	95	102	104
8	56	57	75	55	67	96	105	110
8	57	57	77	54	69	98	105	113
8	57	57	78	53	70	101	107	115
8	57	57	80	52	71	103	110	120

2

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-1 ENG. FUE PUM CAS TEM DEG.
48	14	56	63	59	58	58	82	5
49	15	15	65	61	58	57	82	5
50	15	34	66	60	58	57	84	5
51	15	52	67	61	60	58	84	5
52	16	11	68	63	60	58	87	5
53	16	30	68	63	60	57	87	5
54	16	48	69	64	61	57	87	5
55	17	7	70	63	60	56	87	5
56	17	26	70	65	61	56	87	5
57	17	44	71	65	61	56	87	5
58	18	3	71	65	61	56	86	5
59	18	22	70	66	62	55	84	5
60	18	40	71	67	62	55	84	5
61	18	59	71	67	62	55	85	5
62	19	17	71	67	62	55	83	5
63	19	36	72	67	62	54	84	5
64	19	55	71	67	62	56	83	5
65	20	13	71	68	62	54	83	5
66	20	32	72	67	63	54	83	5
67	20	51	72	68	62	55	82	6
68	21	9	72	68	63	55	82	5
69	21	28	72	68	61	55	82	6
70	21	47	72	68	62	55	81	6
71	22	5	73	68	62	55	82	6
72	22	24	72	68	63	55	82	6
73	22	42	72	68	63	54	82	6
74	23	1	72	69	63	54	81	6
75	23	20	72	68	63	54	81	6
76	23	38	72	68	63	54	81	6
77	23	57	73	68	63	54	82	6
78	24	16	72	67	62	55	80	6
79	24	34	73	68	63	54	82	6
80	24	53	72	68	63	53	82	6
81	25	12	73	68	63	54	82	6
82	25	30	73	67	63	54	82	6
83	25	49	73	68	64	53	84	
84	26	8	74	69	63	55	85	
85	26	26	74	68	64	54	83	
86	26	45	74	68	63	55	84	
87	27	3	75	69	63	55	83	
88	27	22	75	69	63	55	84	
89	27	41	75	69	63	55	84	
90	27	59	75	69	64	54	85	
91	28	18	75	70	64	54	85	
92	28	37	76	70	64	57	85	
93	28	55	76	69	64	58	87	
94	29	14	76	70	64	58	87	
95	29	33	76	70	64	59	88	
96	29	51	77	70	65	58	89	
97	30	10	77	70	65	59	89	

-06	7-07	7-08	7-09	7-10	7-11	7-13	7-14	7-15
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
KIN	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.3	STG.4
BD	OUTBD	TEMP	OIL	TEMP	4.30	OIL	6.00	3.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
59	58	58	82	51	70	104	109	118
61	58	57	82	52	71	106	108	119
60	58	57	84	52	72	107	108	120
61	60	58	84	52	72	109	107	117
13	60	58	87	53	71	109	105	113
63	60	57	87	53	72	110	105	113
64	61	57	87	54	71	110	104	111
63	60	56	87	54	71	109	103	110
65	61	56	87	56	71	110	98	104
65	61	56	87	56	70	109	91	98
65	61	56	86	56	69	107	88	97
66	62	55	84	57	67	107	90	96
67	62	55	84	57	67	107	96	99
67	62	55	85	57	67	106	96	98
67	62	55	83	58	66	106	88	94
67	62	54	84	58	66	105	83	93
67	62	56	83	59	65	105	82	91
68	62	54	83	59	65	104	82	91
67	63	54	83	59	64	104	82	91
68	62	55	82	60	65	104	81	90
68	63	55	82	59	64	103	82	90
68	61	55	82	60	64	103	82	89
68	62	55	81	60	64	103	81	89
68	62	55	82	60	64	103	81	89
68	63	55	82	61	64	103	82	88
68	63	54	82	60	64	102	81	89
68	63	54	81	60	64	103	81	90
68	63	54	81	60	64	102	82	90
68	63	54	81	60	64	101	82	88
68	63	54	82	60	64	102	81	88
67	62	55	80	59	64	102	88	92
68	63	54	82	59	66	102	96	99
68	63	53	82	58	65	104	98	101
68	63	54	82	58	66	104	100	104
67	63	54	82	56	65	105	100	104
68	64	53	84	57	66	105	101	105
68	63	55	85	57	66	106	101	106
68	64	54	83	56	66	107	102	106
68	63	55	84	55	66	108	101	106
68	63	55	83	56	67	108	101	107
68	63	55	84	56	66	107	101	106
69	63	55	84	56	66	108	102	106
68	64	54	85	57	66	107	101	107
68	64	54	85	55	66	108	102	108
68	64	57	85	55	68	108	102	108
68	64	58	87	55	69	109	105	107
68	64	58	87	56	69	110	104	107
68	64	59	88	56	69	110	105	108
68	65	58	89	57	70	110	105	109
68	65	59	89	56	71	111	107	109

2

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	E
98	30	28	78	71	65	58	90	
99	30	47	78	71	66	59	91	
100	31	6	78	72	65	58	92	
101	31	24	79	72	66	59	91	
102	31	43	79	72	66	59	92	
103	32	2	79	72	67	60	91	
104	32	20	79	72	66	60	92	
105	32	39	80	73	67	59	93	
106	32	58	79	73	68	57	93	
107	33	16	80	74	67	56	92	
108	33	35	80	74	67	55	92	
109	33	54	80	73	67	57	93	
110	34	12	82	74	67	57	94	
111	34	31	82	74	68	57	93	
112	34	49	82	76	67	58	92	
113	35	8	83	76	67	58	94	
114	35	27	83	76	68	59	93	
115	35	45	82	76	68	58	93	
116	36	4	83	76	68	58	92	
117	36	23	83	76	69	59	92	
118	36	41	84	75	68	59	94	
119	37	0	84	75	68	59	93	
120	37	19	83	76	69	59	93	
121	37	37	83	76	68	56	93	
122	37	56	83	76	69	56	92	
123	38	14	83	77	68	58	94	
124	38	33	84	77	69	58	96	
125	38	52	85	77	68	57	96	
126	39	10	85	77	69	58	98	
127	39	29	86	78	69	58	97	
128	39	48	85	78	69	57	99	
129	40	6	86	78	70	57	100	
130	40	25	86	79	70	58	100	
131	40	44	87	79	70	57	101	
132	41	2	88	79	70	58	100	
133	41	21	89	80	70	58	102	
134	41	39	89	80	70	58	102	
135	41	58	90	81	70	58	103	
136	42	17	90	81	70	58	103	
137	42	35	90	82	71	58	103	
138	42	54	90	82	72	58	103	
139	43	13	91	82	72	58	105	
140	43	31	92	82	71	57	103	
141	43	50	92	82	72	58	103	
142	44	9	92	82	72	58	103	
143	44	27	93	83	72	58	103	
144	44	46	93	82	72	59	104	
145	45	4	94	84	73	58	105	
146	45	23	94	85	73	57	105	
147	45	42	93	84	73	58	104	

06	7-07	7-08	7-09	7-10	7-11	7-13	7-14	7-15
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
IT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
TR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
N	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.3	STG.4
D	OUTBD	TEMP	OIL	TEMP	4.30	OIL	6.00	3.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
1	65	58	90	57	71	112	106	110
1	66	59	91	55	72	112	105	110
	65	58	92	56	72	112	106	109
	66	59	91	57	72	113	106	110
	66	59	92	57	73	113	106	110
2	67	60	91	57	73	114	107	110
	66	60	92	56	73	114	108	110
	67	59	93	57	73	114	107	110
	68	57	93	56	73	115	108	114
	67	56	92	52	74	116	114	125
	67	55	92	50	73	119	121	132
3	67	57	93	48	73	121	120	131
	67	57	94	51	74	118	110	121
	68	57	93	53	72	116	106	115
	67	58	92	54	71	117	104	112
	67	58	94	55	72	116	106	110
	68	59	93	55	72	115	106	109
	68	58	93	56	72	115	106	108
	68	58	92	57	72	115	106	107
	69	59	92	57	72	115	106	107
	68	59	94	57	73	114	106	108
	68	59	93	57	73	114	107	106
	69	59	93	57	73	114	107	108
	68	56	93	53	73	117	116	124
	69	56	92	50	74	120	123	132
	68	58	94	48	73	122	124	136
	69	58	96	48	73	124	126	139
	68	57	96	47	74	126	127	141
	69	58	98	47	73	127	127	141
	69	58	98	47	74	127	127	143
	69	57	99	46	74	128	128	144
	70	57	100	47	74	129	128	143
	70	58	100	48	73	130	129	145
	70	57	101	47	74	130	128	143
	70	58	100	46	74	130	128	144
	70	58	102	47	75	131	128	144
	70	58	102	47	75	132	128	144
	70	58	103	48	75	132	128	144
	70	58	103	46	75	132	129	144
	71	58	103	47	75	134	129	144
	72	58	103	47	75	133	129	145
	72	58	105	47	76	135	129	145
	71	57	103	46	76	134	129	144
	72	58	103	47	76	134	129	144
	72	58	103	47	76	134	129	144
	72	58	103	47	76	134	129	144
	72	59	104	47	75	134	129	145
	73	58	105	47	76	135	129	144
	73	57	105	48	75	134	129	144
	73	58	104	48	75	135	129	144

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7- ENG FU PU CA TI DEG
148	46	0	94	84	73	56	104	
149	46	19	94	84	73	58	104	
150	46	38	94	84	74	57	104	
151	46	56	95	86	73	58	105	
152	47	15	94	87	73	58	105	
153	47	34	95	86	74	57	104	
154	47	52	95	86	73	57	104	
155	48	11	96	85	74	58	104	
156	48	29	96	88	74	60	104	
157	48	48	96	88	75	61	102	
158	49	7	95	88	75	60	102	
159	49	25	96	89	75	58	101	
160	49	44	95	88	76	57	98	
161	50	3	95	86	75	58	96	
162	50	21	94	87	74	58	96	
163	50	40	94	87	75	58	96	
164	50	58	93	86	76	57	94	
165	51	17	93	87	76	56	93	
166	51	36	92	87	75	56	91	
167	51	54	91	87	76	57	90	
168	52	13	91	86	75	56	89	
169	52	31	91	86	74	57	87	
170	52	50	90	87	74	55	87	
171	53	9	90	85	74	56	87	
172	53	27	89	85	74	56	86	
173	53	46	89	84	73	55	86	
174	54	5	88	84	74	55	84	
175	54	23	88	84	74	55	85	
176	54	42	89	83	73	56	84	
177	55	0	87	83	73	55	83	
178	55	19	87	83	73	56	83	
179	55	38	87	82	73	55	83	
180	55	56	86	83	73	55	83	
181	56	15	87	82	72	55	83	
182	56	33	87	82	72	54	83	
183	56	52	86	82	72	56	82	
184	57	11	86	82	72	56	82	
185	57	29	85	81	73	55	82	
186	57	48	85	82	72	55	83	
187	58	7	84	81	72	54	83	
188	58	25	85	81	72	55	82	
189	58	44	85	81	72	55	82	
190	59	2	84	80	72	55	82	
191	59	21	84	80	71	57	82	
192	59	40	84	80	70	57	83	
193	59	58	83	79	70	56	83	
194	60	17	83	79	70	55	84	
195	60	35	84	79	70	56	84	
196	60	54	84	79	70	55	85	
197	61	13	84	79	70	54	85	

7-07 ENG.1 IGNITR EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
73	56	104	48	76	134	129	144
73	58	104	48	76	135	129	145
74	57	104	48	75	135	129	144
73	58	105	48	75	135	129	144
73	58	105	48	75	135	129	144
74	57	104	48	76	134	129	145
73	57	104	48	75	135	127	141
74	58	104	50	74	132	116	131
74	60	104	53	75	129	101	116
75	61	102	54	75	127	96	109
75	60	102	57	75	125	92	104
75	58	101	58	72	124	89	100
76	57	98	58	72	122	87	97
75	58	96	58	72	120	97	104
74	58	96	58	72	119	101	107
75	58	96	58	71	118	96	103
76	57	94	59	71	117	91	99
76	56	93	60	70	115	87	96
75	56	91	60	69	113	85	95
76	57	90	61	68	113	85	93
75	56	89	61	68	111	85	92
74	57	87	61	67	111	84	92
74	55	87	62	68	109	84	92
74	56	87	61	66	110	84	92
74	56	86	62	67	108	83	92
73	55	86	62	66	108	83	90
74	55	84	62	66	107	84	90
74	55	85	63	66	107	83	90
73	56	84	62	66	107	83	92
73	55	83	63	65	106	83	91
73	56	83	62	65	106	83	91
73	55	83	63	65	106	83	90
73	55	83	63	65	105	84	92
72	55	83	62	65	105	83	90
72	54	83	63	64	105	82	90
72	56	82	62	65	105	83	90
72	56	82	62	65	105	83	91
73	55	82	63	65	104	83	90
72	55	83	63	65	104	82	90
72	54	83	63	64	105	82	90
72	55	82	63	64	104	82	89
72	55	82	63	65	103	83	90
72	55	82	63	64	104	83	91
71	57	82	63	65	103	82	91
70	57	83	62	67	104	95	98
70	55	83	61	67	105	99	101
70	55	84	60	68	106	101	103
70	56	84	59	69	106	102	104
70	55	85	59	69	107	103	104
70	54	85	59	69	107	102	105

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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7 EN F P C T DE
198	61	31	84	78	70	57	85	
199	61	50	84	78	71	58	86	
200	62	9	84	79	70	57	87	
201	62	27	85	79	70	58	88	
202	62	46	85	79	70	59	88	
203	63	4	85	79	71	58	89	
204	63	23	85	80	70	57	89	
205	63	42	85	80	72	59	90	
206	64	0	85	81	72	65	92	
207	64	19	86	82	74	71	92	
208	64	38	86	82	77	75	91	
209	64	56	87	82	80	80	92	
210	65	15	88	82	81	84	91	
211	65	34	88	84	83	76	92	
212	65	52	88	84	82	72	92	
213	66	11	88	84	82	77	92	

7-06 ENG.1 UNIT EXTR SKIN OUTBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
78	70	57	85	58	69	108	102	105
78	71	58	86	59	70	108	102	105
79	70	57	87	58	70	109	105	112
79	70	58	88	56	71	110	107	114
79	70	59	88	58	71	111	108	115
79	71	58	89	56	71	113	106	116
80	70	57	89	56	72	113	103	111
80	72	59	90	58	71	110	89	98
81	72	65	92	60	71	109	80	90
82	74	71	92	60	70	108	75	84
82	77	75	91	62	70	107	73	82
82	80	80	92	62	72	105	73	81
82	81	84	91	61	73	105	74	80
84	83	76	92	61	74	107	74	79
84	82	72	92	63	73	111	70	75
84	82	77	92	63	72	112	66	73

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 258 +125 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7- EN COO IN DE
1	0	19	61	60	55	60	58	
2	0	37	61	60	55	61	58	
3	0	56	62	60	54	61	58	
4	1	15	61	60	54	60	59	
5	1	33	61	60	55	61	58	
6	1	52	61	60	53	60	58	
7	2	11	61	60	54	60	58	
8	2	29	61	60	53	60	57	
9	2	48	61	59	53	60	58	
10	*	*	62	60	52	60	57	
11	*	*	62	59	51	60	58	
14	*	2	62	59	51	60	57	
15	*	20	62	59	52	61	57	
16	*	*	62	59	52	61	57	
17	5	18	62	59	51	59	58	
18	5	36	61	59	52	60	57	
19	*	*	62	60	51	60	57	
20	*	54	61	60	52	60	57	
21	*	12	63	59	53	61	57	
22	*	31	62	60	53	60	57	
23	*	*	62	59	53	61	57	
24	7	28	62	59	53	60	58	
25	*	*	61	60	53	60	56	
26	*	46	61	59	53	60	57	
27	*	*	61	59	52	60	56	
28	8	43	59	58	53	60	58	
29	9	2	57	56	50	58	59	
30	9	20	56	54	51	56	58	
31	9	39	56	54	50	55	58	
32	9	58	55	54	51	55	58	
33	10	16	54	54	50	54	58	
34	10	35	55	54	50	54	58	
35	10	54	54	54	52	54	58	
36	11	12	54	55	49	55	64	
37	11	31	59	59	54	58	69	
38	11	50	64	64	57	63	71	
39	12	8	69	67	58	68	72	
40	12	27	72	71	58	72	74	
41	12	46	75	75	55	77	73	
42	13	4	85	86	57	84	70	
43	13	23	98	97	53	100	69	
44	13	42	101	103	52	117	70	
45	14	0	105	107	53	129	73	
46	14	19	107	110	53	136	74	
47	14	38	109	114	52	141	74	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25B +125 DEG F

7-17 ENG.1 OIL COOLER AIR INLET DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
	55	60	58	58	91	61	59	89
	55	61	58	58	92	62	59	89
	54	61	58	58	92	61	59	89
	54	60	59	59	91	61	59	89
	55	61	58	58	91	60	58	88
	53	60	58	58	91	60	59	87
	54	60	58	58	91	60	59	87
	53	60	57	59	90	59	59	87
	53	60	58	58	91	59	59	87
	52	60	57	58	90	59	59	87
	51	60	58	58	90	60	59	87
	51	60	57	58	89	58	58	85
	52	61	57	58	90	58	58	86
	52	61	57	58	89	58	58	85
	51	59	58	58	88	58	58	84
	52	60	57	57	89	58	58	84
	51	60	57	58	89	57	58	84
	52	60	57	58	88	58	59	84
	53	61	57	58	89	58	58	84
	53	60	57	58	88	57	58	84
	53	61	57	58	88	57	58	84
	53	60	58	58	88	57	58	84
	53	60	56	57	86	56	58	83
	53	60	57	55	89	56	57	83
	52	60	56	72	87	56	63	82
	53	60	58	73	85	57	64	82
	50	58	59	71	83	59	69	81
	51	56	58	69	82	58	69	80
	50	55	58	69	82	58	69	80
	51	55	58	68	81	59	68	79
	50	54	58	68	81	59	67	79
	50	54	58	67	80	59	67	78
	52	54	58	69	80	60	66	78
	49	55	64	73	89	73	71	87
	54	58	69	76	129	108	73	123
	57	63	71	78	165	152	73	164
	58	68	72	82	190	196	74	202
	58	72	74	82	206	242	75	236
	55	77	73	85	227	286	76	266
	57	84	70	91	290	330	74	285
	53	100	69	95	329	364	76	301
	52	117	70	97	345	391	79	320
	53	129	73	99	342	407	80	334
	53	136	74	101	346	418	82	342
	52	141	74	103	365	430	82	355

14891

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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7- ENG 0 COOL 0 INL DEG
48	14	56	111	115	54	145	78	1
49	15	15	111	115	53	146	78	1
50	15	34	111	116	53	147	79	1
51	15	52	111	115	53	147	80	1
52	16	11	107	113	52	145	79	1
53	16	30	106	112	51	140	79	1
54	16	48	104	112	52	137	80	1
55	17	7	103	111	51	134	80	1
56	17	26	103	108	50	132	80	1
57	17	44	99	101	50	127	78	1
58	18	3	96	96	51	120	77	1
59	18	22	96	95	50	116	77	1
60	18	40	95	96	51	113	78	1
61	18	59	97	100	49	115	77	1
62	19	17	96	96	50	114	77	1
63	19	36	94	91	49	111	77	1
64	19	55	94	88	49	108	77	1
65	20	13	93	88	50	106	76	1
66	20	32	92	87	50	104	76	1
67	20	51	92	87	50	103	76	1
68	21	9	92	86	50	102	76	1
69	21	28	92	86	49	101	75	1
70	21	47	91	86	49	101	76	1
71	22	5	92	86	50	101	76	1
72	22	24	91	86	48	101	76	1
73	22	42	92	85	50	101	76	1
74	23	1	91	85	49	101	76	1
75	23	20	91	85	50	101	75	1
76	23	38	92	86	49	100	76	1
77	23	57	92	85	50	101	75	1
78	24	16	91	87	50	101	75	1
79	24	34	94	95	49	105	75	1
80	24	53	97	101	50	111	76	1
81	25	12	99	104	51	117	76	1
82	25	30	99	106	50	120	76	1
83	25	49	100	107	49	123	78	1
84	26	8	101	107	50	125	77	1
85	26	26	100	108	49	126	78	1
86	26	45	100	108	50	126	78	1
87	27	3	101	108	50	128	78	1
88	27	22	100	108	50	127	78	1
89	27	41	100	108	50	127	78	1
90	27	59	102	108	49	126	78	1
91	28	18	101	108	50	127	79	1
92	28	37	101	109	53	128	81	1
93	28	55	101	110	53	129	80	1
94	29	14	101	110	53	129	81	1
95	29	33	101	112	54	128	82	1
96	29	51	102	112	57	129	83	1
97	30	10	104	113	58	129	84	1

7-17 ENG.1 PRS CSE 5.4 00 .C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
15	54	145	78	104	357	438	85	364
15	53	146	78	107	355	443	86	369
6	53	147	79	107	353	445	87	371
5	53	147	80	109	347	444	87	372
3	52	145	79	109	335	436	87	370
12	51	140	79	110	333	430	87	368
12	52	137	80	109	325	421	89	366
11	51	134	80	109	324	415	87	363
8	50	132	80	109	315	410	87	364
1	50	127	78	109	300	404	85	361
5	51	120	77	108	294	396	86	359
35	50	116	77	107	293	390	85	356
08	51	113	78	106	302	385	84	352
10	49	115	77	106	307	384	85	352
06	50	114	77	106	293	381	84	354
11	49	111	77	105	287	378	83	354
08	49	108	77	104	284	376	82	355
08	50	106	76	105	282	376	84	354
07	50	104	76	103	281	373	83	353
07	50	103	76	103	281	373	83	354
06	50	102	76	103	279	372	82	351
06	49	101	75	103	280	371	83	352
06	49	101	76	103	281	371	82	351
06	50	101	76	103	279	369	82	350
06	48	101	76	102	278	370	82	349
05	50	101	76	102	280	369	82	351
05	49	101	76	102	279	369	82	351
05	50	101	75	101	279	368	82	350
06	49	100	76	102	281	370	82	351
05	50	101	75	101	281	369	81	352
07	50	101	75	102	286	369	82	346
05	49	105	75	102	307	373	82	345
1	50	111	76	103	317	377	83	345
4	51	117	76	104	322	381	83	347
16	50	120	76	105	324	385	84	348
17	49	123	78	106	325	387	84	349
17	50	125	77	106	326	389	85	351
18	49	126	78	105	326	390	85	351
18	50	126	78	107	325	389	85	350
18	50	128	78	107	327	391	86	351
18	50	127	78	107	326	390	86	350
18	50	127	78	107	327	392	85	352
18	49	128	78	107	326	392	86	352
18	50	127	79	107	327	394	87	354
9	53	128	81	108	327	397	89	356
9	53	129	80	108	324	398	89	356
19	53	129	81	109	322	399	88	356
12	54	126	82	110	324	400	90	358
12	57	129	83	111	325	402	90	358
13	58	129	84	112	325	402	92	359

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7- ENG O COOL O INL DEG
98	30	28	103	112	56	129	84	11
99	30	47	102	112	55	130	84	11
100	31	6	102	113	55	130	85	11
101	31	24	104	113	56	130	85	11
102	31	43	104	113	56	130	85	11
103	32	2	104	113	54	131	84	11
104	32	20	103	113	58	131	86	11
105	32	39	104	113	56	131	85	11
106	32	58	107	114	51	131	82	11
107	33	16	113	117	51	137	82	11
108	33	35	122	123	49	147	84	11
109	33	54	126	127	50	156	85	11
110	34	12	116	121	50	158	84	1
111	34	31	110	118	51	150	84	1
112	34	49	106	113	54	143	86	1
113	35	8	104	113	53	136	85	1
114	35	27	102	113	53	133	85	1
115	35	45	102	113	54	130	86	1
116	36	4	102	111	54	129	85	1
117	36	23	101	112	54	128	85	1
118	36	41	102	113	56	127	87	1
119	37	0	102	112	54	127	84	1
120	37	19	102	113	54	127	84	1
121	37	37	111	116	50	130	83	1
122	37	56	120	123	50	143	84	1
123	38	14	128	129	50	154	85	1
124	38	33	131	131	52	161	87	1
125	38	52	133	133	51	165	88	1
126	39	10	134	134	50	167	89	1
127	39	29	133	134	50	168	89	1
128	39	48	134	133	49	169	89	1
129	40	6	133	134	50	169	90	1
130	40	25	134	135	50	169	90	1
131	40	44	134	134	50	169	90	1
132	41	2	135	134	50	169	91	1
133	41	21	134	136	50	169	91	1
134	41	39	134	135	51	170	92	1
135	41	58	134	136	50	171	92	1
136	42	17	134	136	51	170	93	1
137	42	35	135	136	51	170	92	1
138	42	54	135	136	53	169	93	1
139	43	13	135	135	51	170	92	1
140	43	31	135	136	51	170	92	1
141	43	50	135	136	51	170	92	1
142	44	9	135	136	52	170	93	1
143	44	27	135	135	51	170	92	1
144	44	46	135	136	51	170	93	1
145	45	4	135	136	51	171	93	1
146	45	23	135	136	50	170	93	1
147	45	42	135	135	51	170	93	1

7-17 ENG.1 RS CSE .4 00 .C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
2	56	129	84	111	326	403	92	360
2	55	130	84	112	326	404	92	361
3	55	130	85	112	327	404	92	361
3	56	130	85	113	327	405	92	362
3	56	130	85	112	328	405	93	362
3	54	131	84	114	328	404	92	363
3	58	131	86	113	328	405	95	363
3	56	131	85	114	328	405	93	364
4	51	131	82	114	342	410	92	363
7	51	137	82	116	395	441	94	383
13	49	147	84	120	432	480	94	412
17	50	156	85	120	420	509	95	434
11	50	158	84	118	370	499	93	425
8	51	150	84	118	339	474	93	410
3	54	143	86	116	325	453	95	397
3	53	136	85	115	320	436	93	389
3	53	133	85	115	319	424	94	384
3	54	130	86	115	317	415	93	378
1	54	129	85	115	316	411	93	375
2	54	128	85	115	316	407	94	371
3	56	127	87	114	317	403	94	370
2	54	127	84	114	318	402	93	369
3	54	127	84	114	321	402	93	368
6	50	130	83	116	395	431	94	382
3	50	143	84	119	434	475	95	417
9	50	154	85	123	448	515	97	444
1	52	161	87	125	452	544	98	465
3	51	165	88	126	453	562	99	479
4	50	167	89	126	454	575	101	488
4	50	168	89	129	455	583	101	495
3	49	169	89	129	453	590	101	498
4	50	169	90	129	452	595	101	502
5	50	169	90	130	450	598	102	504
4	50	169	90	130	451	600	102	505
4	50	169	91	131	450	602	102	506
6	50	169	91	131	451	602	103	507
5	51	170	92	131	452	603	104	510
6	50	171	92	132	452	603	103	510
6	51	170	93	132	452	605	104	513
4	51	170	92	133	453	604	104	514
6	53	169	93	133	451	605	105	513
5	51	170	92	134	453	606	104	513
6	51	170	92	134	451	606	105	513
6	51	170	92	135	452	605	105	514
6	52	170	93	134	452	605	105	512
5	51	170	92	134	452	604	105	512
6	51	170	93	134	452	604	106	511
6	51	171	93	135	452	605	106	511
6	50	170	93	134	451	605	106	509
6	51	170	93	134	451	605	105	510

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7- ENG C COOL C INL DEG
148	46	0	135	136	51	171	94	1
149	46	19	134	135	51	170	93	1
150	46	38	135	136	51	170	93	1
151	46	56	135	135	51	171	94	1
152	47	15	136	136	51	171	94	1
153	47	34	136	136	51	171	93	1
154	47	52	134	135	50	171	93	1
155	48	11	125	128	55	168	95	1
156	48	29	116	117	58	161	95	1
157	48	48	109	109	58	147	93	1
158	49	7	104	102	59	134	94	1
159	49	25	102	98	50	124	86	1
160	49	44	100	95	51	118	87	1
161	50	3	99	99	58	114	89	1
162	50	21	102	105	59	118	87	1
163	50	40	103	103	54	122	85	1
164	50	58	100	99	51	121	83	1
165	51	17	98	95	51	117	82	1
166	51	36	96	92	50	113	82	1
167	51	54	95	91	51	110	81	1
168	52	13	95	90	51	108	81	1
169	52	31	94	90	52	106	80	1
170	52	50	94	89	50	105	79	1
171	53	9	95	89	51	104	79	1
172	53	27	94	88	51	105	80	1
173	53	46	94	87	51	104	79	1
174	54	5	93	88	50	104	78	1
175	54	23	93	88	50	103	78	1
176	54	42	92	88	51	104	78	1
177	55	0	93	88	50	103	77	1
178	55	19	92	88	51	103	77	1
179	55	38	92	87	51	103	77	1
180	55	56	93	88	49	103	76	1
181	56	15	92	87	51	103	77	1
182	56	33	93	87	51	103	77	1
183	56	52	92	87	50	103	77	1
184	57	11	92	87	50	103	76	1
185	57	29	93	88	50	102	76	1
186	57	48	93	87	49	103	76	1
187	58	7	92	87	50	103	76	1
188	58	25	93	88	50	102	76	1
189	58	44	93	87	50	102	76	1
190	59	2	92	87	51	102	76	1
191	59	21	93	86	54	102	78	1
192	59	40	94	94	55	104	79	1
193	59	58	97	100	50	111	78	1
194	60	17	98	103	49	116	78	1
195	60	35	98	106	51	120	77	1
196	60	54	99	107	51	122	79	1
197	61	13	99	107	50	123	79	1

7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
51	171	94	135	451	604	105	509
51	170	93	135	452	606	106	509
51	170	93	135	451	604	106	508
51	171	94	135	452	605	105	509
51	171	94	135	452	606	105	508
51	171	93	135	452	606	106	506
50	171	93	134	434	601	104	503
55	168	95	131	381	565	104	480
58	161	95	129	340	527	103	459
58	147	93	127	313	494	102	439
59	134	94	126	301	464	101	421
50	124	86	124	297	445	95	409
51	118	87	122	289	427	95	397
58	114	89	119	302	415	98	383
59	118	87	119	317	412	96	376
54	122	85	118	313	408	93	377
51	121	83	117	302	403	92	374
51	117	82	116	293	397	90	371
50	113	82	114	287	391	90	368
51	110	81	113	286	385	90	366
51	108	81	111	284	382	88	363
52	106	80	111	283	377	88	360
50	105	79	110	283	376	87	359
51	104	79	110	283	373	87	359
51	105	80	108	282	371	87	356
51	104	79	108	282	369	86	355
50	104	78	107	281	367	86	353
50	103	78	107	282	368	85	352
51	104	78	107	283	367	85	351
50	103	77	106	282	366	84	351
51	103	77	105	282	365	84	350
51	103	77	105	282	364	83	351
49	103	76	104	282	364	84	351
51	103	77	104	282	364	83	351
51	103	77	104	281	364	83	350
50	103	77	105	282	364	83	348
50	103	76	104	282	364	83	349
50	102	76	105	281	364	84	349
49	103	76	103	281	364	83	349
50	103	76	104	281	363	82	347
50	102	76	104	281	364	83	348
50	102	76	103	282	363	83	348
51	102	76	103	281	363	83	347
54	102	78	102	278	363	86	348
55	104	79	104	297	368	87	344
50	111	78	105	309	375	86	343
49	116	78	106	317	381	84	345
51	120	77	107	316	384	86	345
51	122	79	107	319	387	86	347
50	123	79	108	318	389	86	348

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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7 EN CO IN OI
198	61	31	98	108	53	124	79	
199	61	50	100	108	53	126	80	
200	62	9	103	109	51	127	81	
201	62	27	104	111	53	134	81	
202	62	46	107	113	52	139	81	
203	63	4	106	114	53	142	82	
204	63	23	108	113	50	144	86	
205	63	42	100	103	53	139	91	
206	64	0	92	93	56	128	96	
207	64	19	85	87	58	113	98	
208	64	38	82	82	61	104	95	
209	64	56	79	80	63	99	93	
210	65	15	79	79	64	94	92	
211	65	34	78	79	68	93	92	
212	65	52	76	76	62	89	97	
213	66	11	73	72	63	85	97	

7-17 .1 RS CSE .4 00 .C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
08	53	124	79	108	318	389	88	349
08	53	126	80	109	321	392	89	351
09	51	127	81	109	338	402	88	357
11	53	134	81	111	345	412	89	363
13	52	139	81	111	350	420	91	369
14	53	142	82	113	352	425	91	373
13	50	144	86	113	345	429	94	378
03	53	139	91	111	316	427	96	382
93	58	128	98	108	309	422	103	385
87	58	113	98	107	308	408	105	372
82	61	104	95	105	307	391	104	359
80	63	99	93	105	304	375	104	350
79	64	94	92	104	300	362	103	341
79	68	93	92	103	296	351	102	335
76	62	89	97	110	277	336	106	324
72	63	85	97	110	269	323	107	311

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25B +125 DEG F

-01 SWEEP COUNT	T-02 TIME MIN.	T-03 TIME SEC.	T-28 ENG.1 T5 HRNESS TEMP DEG.C
1	0	19	61
2	0	37	60
3	0	56	60
4	1	15	60
5	1	33	60
6	1	52	59
7	2	11	59
8	2	29	59
9	2	48	59
10	*	*	58
11	*	*	58
14	*	2	58
15	*	20	57
16	*	*	57
17	5	18	57
18	5	36	56
19	*	*	58
20	*	54	57
21	*	12	56
22	*	31	57
23	*	*	58
24	7	28	56
25	*	*	56
26	*	46	56
27	*	*	55
28	8	43	56
29	9	2	56
30	9	20	56
31	9	39	57
32	9	58	57
33	10	16	58
34	10	35	56
35	10	54	59
36	11	12	56
37	11	31	57
38	11	50	58
39	12	8	59
40	12	27	62
41	12	46	64
42	13	4	69
43	13	23	71
44	13	42	83
45	14	0	91
46	14	19	98
47	14	38	106

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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
48	14	56	113
49	15	15	120
50	15	34	126
51	15	52	130
52	16	11	136
53	16	30	141
54	16	48	145
55	17	7	147
56	17	26	149
57	17	44	151
58	18	3	151
59	18	22	152
60	18	40	153
61	18	59	154
62	19	17	153
63	19	36	152
64	19	55	152
65	20	13	153
66	20	32	151
67	20	51	151
68	21	9	150
69	21	28	149
70	21	47	150
71	22	5	149
72	22	24	148
73	22	42	147
74	23	1	148
75	23	20	148
76	23	38	147
77	23	57	148
78	24	16	147
79	24	34	148
80	24	53	149
81	25	12	149
82	25	30	151
83	25	49	152
84	26	8	153
85	26	26	153
86	26	45	156
87	27	3	156
88	27	22	157
89	27	41	159
90	27	59	159
91	28	18	160
92	28	37	161
93	28	55	162
94	29	14	163
95	29	33	164
96	29	51	165
97	30	10	165

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
98	30	28	166
99	30	47	168
100	31	6	169
101	31	24	170
102	31	43	170
103	32	2	171
104	32	20	172
105	32	39	171
106	32	58	173
107	33	16	173
108	33	35	175
109	33	54	176
110	34	12	179
111	34	31	180
112	34	49	179
113	35	8	180
114	35	27	180
115	35	45	181
116	36	4	179
117	36	23	179
118	36	41	179
119	37	0	180
120	37	19	178
121	37	37	178
122	37	56	179
123	38	14	184
124	38	33	186
125	38	52	190
126	39	10	193
127	39	29	196
128	39	48	196
129	40	6	197
130	40	25	198
131	40	44	200
132	41	2	202
133	41	21	205
134	41	39	209
135	41	58	207
136	42	17	209
137	42	35	209
138	42	54	210
139	43	13	210
140	43	31	211
141	43	50	213
142	44	9	212
143	44	27	213
144	44	46	214
145	45	4	214
146	45	23	214
147	45	42	215

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
148	46	0	214
149	46	19	215
150	46	38	216
151	46	56	215
152	47	15	216
153	47	34	216
154	47	52	214
155	48	11	214
156	48	29	212
157	48	48	210
158	49	7	206
159	49	25	203
160	49	44	200
161	50	3	197
162	50	21	194
163	50	40	192
164	50	58	189
165	51	17	185
166	51	36	181
167	51	54	179
168	52	13	176
169	52	31	175
170	52	50	171
171	53	9	169
172	53	27	166
173	53	46	165
174	54	5	162
175	54	23	162
176	54	42	159
177	55	0	159
178	55	19	158
179	55	38	157
180	55	56	155
181	56	15	155
182	56	33	154
183	56	52	154
184	57	11	152
185	57	29	151
186	57	48	150
187	58	7	150
188	58	25	150
189	58	44	149
190	59	2	148
191	59	21	148
192	59	40	150
193	59	58	150
194	60	17	151
195	60	35	151
196	60	54	154
197	61	13	155

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
198	61	31	156
199	61	50	158
200	62	9	159
201	62	27	162
202	62	46	163
203	63	4	166
204	63	23	167
205	63	42	166
206	64	0	167
207	64	19	169
208	64	38	171
209	64	56	172
210	65	15	172
211	65	34	175
212	65	52	176
213	66	11	174

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25B +125 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
1	*	*	53	53	50	53	50
2	0	39	53	53	49	53	50
3	0	58	53	54	50	53	49
4	1	17	54	54	49	53	49
5	1	36	53	53	50	53	50
6	1	54	53	53	49	54	50
7	2	13	53	53	49	54	50
8	2	32	53	53	49	54	50
9	*	*	53	53	49	54	50
10	3	9	53	53	49	53	49
11	3	28	53	54	50	53	49
14	*	*	53	53	50	53	49
15	*	22	53	53	50	53	50
16	*	*	54	53	49	53	49
17	5	20	53	53	50	53	49
18	*	*	53	54	49	53	49
19	5	57	53	53	50	52	49
20	*	*	54	53	50	54	50
21	*	15	53	54	50	54	49
22	*	33	53	54	49	53	50
23	*	*	53	53	49	54	49
24	7	31	53	53	50	53	50
25	*	*	53	53	51	54	50
26	*	48	53	53	50	53	51
27	*	7	53	53	49	53	50
28	*	25	53	53	50	53	50
29	*	44	53	53	50	53	50
30	9	23	52	53	50	54	50
31	9	41	53	53	49	52	50
32	10	0	53	53	49	52	50
33	10	19	53	52	50	53	49
34	10	37	53	53	49	51	50
35	*	*	53	53	48	54	51
36	11	15	53	53	49	53	50
37	11	33	53	53	49	53	49
38	11	52	53	53	49	52	50
39	12	11	52	53	48	53	50
40	12	29	52	52	50	52	49
41	12	48	52	53	49	52	49
42	13	7	53	53	49	53	49
43	13	25	54	52	49	53	49
44	13	44	53	53	50	54	50
45	14	3	53	54	49	53	50
46	14	21	53	53	50	53	50
47	14	40	53	53	50	53	50

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 258 +125 DEG F

06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
IT	LUBE	FUEL	SCAVAG	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
TR	PUMP	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
NT	INLET	CASE	OUTLET	CASE	STG.2	STG.3	STG.3	STG.3
MP	OIL	TEMP	OIL	TEMP	4.30	3.00	4.30	6.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
53	50	53	50	52	58	59	61	58
53	49	53	50	51	58	60	61	58
4	50	53	49	51	58	58	62	59
4	49	53	49	52	58	59	61	59
53	50	53	50	52	58	59	61	59
53	49	54	50	51	58	59	61	59
53	49	54	50	51	59	59	61	59
53	49	54	50	51	58	58	60	58
53	49	54	50	51	58	58	61	58
53	49	53	49	51	58	58	61	60
4	50	53	49	52	58	58	59	58
53	50	53	49	52	58	58	61	58
53	50	53	50	52	58	58	61	58
53	49	53	49	51	58	58	60	58
53	50	53	49	52	58	58	61	58
4	49	53	49	51	58	58	61	58
53	50	52	49	51	58	59	60	58
53	50	54	50	52	58	58	61	59
54	50	54	49	51	58	58	61	58
54	49	53	50	52	57	58	61	58
53	49	54	49	51	58	58	60	58
53	50	53	50	52	58	58	61	58
53	51	54	50	53	58	58	60	58
53	50	53	51	52	58	58	60	58
53	49	53	50	51	58	58	61	58
53	50	53	50	51	57	57	60	58
53	50	53	50	52	58	58	60	57
53	50	54	50	51	58	58	60	57
53	49	52	50	51	56	57	60	57
53	49	52	50	51	56	57	60	57
52	50	53	49	52	58	57	60	58
53	49	52	50	51	56	58	60	57
53	48	54	51	51	57	58	60	58
53	49	53	50	51	57	58	60	56
53	49	53	49	51	56	58	59	58
53	49	52	50	51	55	57	60	57
53	48	53	50	52	56	57	60	57
52	50	52	49	51	55	57	59	57
53	49	52	49	50	56	57	59	57
53	49	53	49	51	57	57	60	58
52	49	53	49	51	56	58	59	58
53	50	54	50	52	56	58	59	58
54	49	53	50	51	56	58	59	57
53	50	53	50	51	57	57	59	57
53	50	53	50	52	56	57	59	57

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8 EN F P C T DE
48	14	57	53	54	57	54	51	
49	15	17	53	53	61	53	70	
50	15	36	54	54	64	56	74	
51	32	34	53	53	66	59	79	
52	16	13	54	53	67	63	83	
53	16	32	55	54	70	63	87	
54	16	50	56	55	73	64	89	
55	17	9	56	57	74	64	93	
56	17	28	57	57	76	64	96	
57	17	46	57	58	77	66	98	
58	18	5	58	59	81	66	102	
59	18	24	59	61	82	66	105	
60	18	42	61	64	85	66	107	
61	19	1	62	65	87	66	110	
62	19	20	63	67	88	67	112	
63	19	38	64	69	90	67	114	
64	19	57	65	72	90	68	116	
65	20	16	66	74	92	67	116	
66	20	34	68	76	92	67	118	
67	20	53	69	78	93	67	119	
68	21	11	69	79	94	67	119	
69	21	30	70	81	95	67	121	
70	21	49	71	82	95	67	121	
71	22	7	72	84	96	68	122	
72	22	26	73	87	97	67	122	
73	22	45	74	87	96	68	122	
74	23	3	74	88	97	67	123	
75	23	22	75	89	96	68	123	
76	23	41	76	90	97	67	122	
77	23	59	76	92	98	68	124	
78	24	18	77	92	98	68	123	
79	24	36	78	93	98	68	124	
80	24	55	78	93	99	68	124	
81	25	14	80	95	99	68	126	
82	25	32	80	96	99	69	125	
83	25	51	80	96	99	68	124	
84	26	10	80	96	99	69	125	
85	26	28	80	96	99	68	125	
86	26	47	81	96	100	69	126	
87	27	6	82	97	100	69	127	
88	27	24	82	97	99	69	125	
89	27	43	82	98	99	69	127	
90	28	2	82	98	100	68	126	
91	28	20	82	99	99	71	126	
92	28	39	83	99	99	69	123	
93	28	57	83	100	99	67	121	
94	29	16	83	100	98	67	122	
95	29	35	82	100	98	67	121	
96	29	53	82	99	97	66	119	
97	30	12	82	99	97	66	118	

6-06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
8.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
UNIT	LUBE	FUEL	SCAVAG	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
ITR	PUMP	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
UNT	INLET	CASE	OUTLET	CASE	STG.2	STG.3	STG.3	STG.3
EMP	OIL	TEMP	OIL	TEMP	4.30	3.00	4.30	6.00
S.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
54	57	54	51	51	56	57	58	57
53	61	53	70	52	58	62	60	58
54	64	56	74	53	63	69	69	59
53	66	59	79	55	67	80	80	65
53	67	63	83	56	72	83	87	71
54	70	63	87	54	72	84	89	76
55	73	64	89	54	72	86	88	80
57	74	64	93	54	71	85	89	82
57	76	64	96	52	75	89	95	85
58	77	66	98	50	80	96	104	87
59	81	66	102	47	80	100	111	92
61	82	66	105	46	80	100	111	95
64	85	66	107	45	80	100	111	97
65	87	66	110	46	80	101	111	97
67	88	67	112	45	83	101	113	99
69	90	67	114	46	82	100	113	100
72	90	68	116	45	83	102	113	101
74	92	67	116	45	85	101	114	103
76	92	67	118	45	83	102	115	103
78	93	67	119	45	82	102	114	103
79	94	67	119	46	82	101	113	102
81	95	67	121	45	83	101	114	103
82	95	67	121	45	84	102	115	104
84	96	68	122	45	83	103	113	103
87	97	67	122	45	85	102	114	103
87	96	68	122	46	84	102	114	103
88	97	67	123	46	85	102	114	104
89	96	68	123	45	84	101	114	102
90	97	67	122	45	85	102	114	105
92	98	68	124	45	83	102	113	104
92	98	68	123	47	84	101	113	104
93	98	68	124	47	86	102	114	105
93	99	68	124	47	85	102	114	105
95	99	68	126	47	83	102	114	103
96	99	69	125	47	83	101	113	103
96	99	68	124	47	82	102	113	103
96	99	69	125	46	84	101	113	104
96	99	68	125	47	86	102	115	104
96	100	69	126	47	84	102	114	103
97	100	69	127	47	85	101	114	105
97	99	69	125	46	83	102	114	103
98	99	69	127	46	83	102	114	103
98	100	68	126	47	85	101	114	104
99	99	71	126	46	83	95	107	104
99	99	69	123	48	74	89	94	101
99	99	67	121	50	75	89	92	98
99	98	67	122	52	75	88	92	97
80	98	67	121	53	73	88	91	92
99	97	66	119	53	74	87	92	92
99	97	66	118	53	74	88	92	92

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
98	30	31	81	99	96	67	118
99	30	49	81	98	96	67	117
100	31	8	82	98	96	67	117
101	31	27	81	97	96	67	117
102	31	45	80	97	96	67	116
103	32	4	81	96	96	67	116
104	32	22	81	96	95	67	116
105	32	41	81	97	96	67	116
106	33	0	81	96	95	66	115
107	33	18	80	96	93	67	115
108	33	37	82	95	92	66	114
109	33	56	80	94	91	65	113
110	34	14	80	94	91	66	113
111	34	33	80	92	92	66	113
112	34	52	81	93	92	67	113
113	35	10	81	92	93	67	113
114	35	29	79	92	92	67	114
115	35	48	79	93	92	67	113
116	36	6	79	92	94	68	114
117	36	25	79	92	93	68	115
118	36	43	80	92	94	68	114
119	37	2	80	92	93	68	114
120	37	21	80	92	93	70	113
121	37	39	80	92	93	66	113
122	37	58	79	92	91	66	112
123	38	17	80	91	90	66	111
124	38	35	80	91	89	64	110
125	38	54	80	91	88	65	110
126	39	13	80	91	87	64	109
127	39	31	80	90	87	64	108
128	39	50	80	89	87	64	107
129	40	8	80	88	85	64	107
130	40	27	79	88	86	64	105
131	40	46	79	87	85	64	106
132	41	4	79	87	85	64	106
133	41	23	79	87	85	64	105
134	41	42	80	86	84	65	105
135	42	0	79	86	84	64	105
136	42	19	79	87	83	64	104
137	42	38	79	86	84	65	104
138	42	56	79	87	83	65	104
139	43	15	79	86	84	65	103
140	43	33	79	86	83	65	103
141	43	52	78	84	83	65	104
142	44	11	78	85	83	64	102
143	44	29	78	84	83	65	103
144	44	48	79	83	83	65	103
145	45	7	78	85	82	64	103
146	45	25	77	84	82	64	103
147	45	44	78	83	82	64	103

06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
NIT	LUBE	FUEL	SCAVAG	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
ITR	PUMP	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
INT	INLET	CASE	OUTLET	CASE	STG.2	STG.3	STG.3	STG.3
MP	OIL	TEMP	OIL	TEMP	4.30	3.00	4.30	6.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
9	96	67	118	54	73	89	92	92
7	96	67	117	54	73	87	92	93
	96	67	117	55	74	88	92	92
7	96	67	117	55	73	88	92	92
7	96	67	116	55	74	88	92	90
6	96	67	116	56	72	87	91	90
6	95	67	116	55	73	89	92	89
7	96	67	116	55	74	88	92	89
6	95	66	115	56	74	87	93	91
6	93	67	115	55	77	87	93	92
5	92	66	114	54	72	86	92	88
4	91	65	113	56	71	84	87	87
4	91	66	113	56	71	85	89	86
2	92	66	113	55	72	87	89	87
3	92	67	113	55	73	87	91	89
2	93	67	113	55	73	87	91	88
2	92	67	114	55	73	88	92	90
3	92	67	113	55	74	88	92	91
2	94	68	114	55	74	88	92	90
2	93	68	115	56	74	88	92	91
	94	68	114	55	74	88	92	90
	93	68	114	56	73	89	94	92
2	93	70	113	56	75	88	92	92
2	93	66	113	56	72	84	86	90
1	91	66	112	58	71	84	84	88
1	90	66	111	58	70	83	83	85
	89	64	110	59	71	84	83	84
	88	65	110	58	71	83	82	84
	87	64	109	59	70	82	82	82
	87	64	108	60	69	82	82	82
	87	64	107	59	69	81	83	80
	85	64	107	60	69	82	82	80
	86	64	105	60	70	82	84	80
	85	64	106	60	69	82	82	80
	85	64	106	60	70	81	83	79
	85	64	105	60	69	80	83	79
	84	65	105	59	69	81	82	80
	84	64	105	60	70	81	83	79
	83	64	104	60	70	82	82	80
	84	65	104	61	69	80	83	78
	83	65	104	60	69	81	82	78
	84	65	103	61	70	81	83	79
	83	65	103	60	69	81	84	79
	83	65	104	61	69	80	83	78
	83	64	102	60	68	80	83	78
	83	65	103	60	70	80	83	79
	83	65	103	61	68	80	82	79
	82	64	103	60	69	80	82	78
	82	64	103	60	68	80	84	78
	82	64	103	59	69	80	83	79

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C
148	46	3	79	84	82	64	103	59
149	46	21	78	84	82	65	102	60
150	46	40	78	83	82	64	102	61
151	46	58	78	83	82	64	102	60
152	47	17	78	83	82	65	102	60
153	47	36	78	83	82	64	103	60
154	47	54	77	83	82	64	102	60
155	48	13	77	84	83	64	103	60
156	48	32	78	83	84	67	104	58
157	48	50	77	83	85	68	106	56
158	49	9	78	84	87	68	107	55
159	49	27	78	84	89	67	109	52
160	49	46	78	85	89	71	112	50
161	50	5	78	86	91	68	111	53
162	50	23	78	87	92	68	112	55
163	50	42	78	87	92	68	113	53
164	51	1	79	89	92	68	116	49
165	51	19	81	89	93	69	117	48
166	51	38	81	90	93	69	119	47
167	51	56	81	89	95	69	121	46
168	52	15	82	91	96	70	121	46
169	52	34	82	92	97	70	121	47
170	52	52	82	93	98	70	123	46
171	53	11	84	93	98	71	123	47
172	53	29	82	94	98	70	124	47
173	53	48	84	95	99	70	124	47
174	54	7	85	96	99	69	125	47
175	54	25	85	97	100	69	126	47
176	54	44	87	99	100	69	126	47
177	55	3	87	99	100	69	126	47
178	55	21	87	101	100	70	126	47
179	55	40	87	102	101	69	127	47
180	55	58	88	102	100	69	127	47
181	56	17	88	104	101	69	128	47
182	56	36	88	105	101	69	127	47
183	56	54	89	106	102	69	127	47
184	57	13	89	106	101	70	129	47
185	57	31	90	106	102	70	128	47
186	57	50	89	106	102	69	128	47
187	58	9	90	107	101	69	128	47
188	58	27	90	107	102	69	128	47
189	58	46	90	106	102	69	128	47
190	59	5	91	107	102	69	128	47
191	59	23	90	107	102	72	128	47
192	59	42	91	107	102	69	126	47
193	60	0	90	108	102	67	124	47
194	60	19	90	107	99	66	123	47
195	60	38	89	106	98	65	121	
196	60	56	88	106	97	66	121	
197	61	15	89	105	96	65	118	

06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
NIT	LUBE	FUEL	SCAVAG	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
ITR	PUMP	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
UNIT	INLET	CASE	OUTLET	CASE	STG.2	STG.3	STG.3	STG.3
EMP	OIL	TEMP	OIL	TEMP	4.30	3.00	4.30	6.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
04	82	64	103	59	70	81	82	79
04	82	65	102	60	69	80	83	79
03	82	64	102	61	68	80	85	78
03	82	64	102	60	69	80	82	79
03	82	65	102	60	69	80	83	78
03	82	64	103	60	69	80	82	79
03	82	64	102	60	69	79	87	79
04	83	64	103	60	69	83	84	79
05	84	67	104	58	74	89	96	82
03	85	68	106	56	75	91	96	84
04	87	68	107	55	78	92	100	86
04	89	67	109	52	83	99	109	91
05	89	71	112	50	81	96	106	95
06	91	68	111	53	76	89	92	95
07	92	68	112	55	74	90	91	95
07	92	68	113	52	83	100	107	96
09	92	68	116	49	82	103	115	98
09	93	69	117	48	83	103	114	101
10	93	69	119	47	82	103	113	101
09	95	69	121	48	85	103	117	103
11	96	70	121	48	83	102	116	104
12	97	70	121	47	84	102	115	105
13	98	70	123	46	86	104	118	105
13	98	71	123	47	82	104	116	105
14	98	70	124	47	85	103	116	105
15	99	70	124	47	84	104	118	106
16	99	69	125	47	83	103	116	106
17	100	69	126	47	87	104	118	107
19	100	69	126	47	86	103	116	106
19	100	69	126	47	87	103	118	108
21	100	70	126	48	88	103	117	110
22	101	69	127	48	87	104	118	108
23	100	69	127	49	87	103	117	107
23	101	69	128	48	87	104	117	108
23	101	69	127	48	88	104	119	109
26	102	69	127	48	85	103	117	108
24	101	70	129	48	86	103	116	108
25	102	70	128	48	87	103	118	109
26	102	69	128	48	84	104	117	108
26	101	69	128	48	87	104	117	107
26	102	69	128	48	87	103	118	108
26	102	69	128	48	86	103	117	108
27	102	69	128	48	83	104	116	106
27	102	72	128	48	80	96	107	104
28	102	69	128	51	77	90	98	99
28	102	67	124	53	75	87	92	97
27	99	66	128	53	72	87	91	94
26	98	65	121	54	73	86	90	93
26	97	66	121	55	74	86	90	90
25	96	65	118	55	74	86	89	90

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C
198	61	34	88	105	96	65	118	55
199	61	52	88	103	96	67	117	56
200	62	11	88	103	96	67	116	59
201	62	29	88	103	97	66	115	59
202	62	48	87	101	96	64	114	59
203	63	7	87	100	96	64	113	60
204	63	25	87	100	95	66	113	61
205	63	44	87	99	94	72	112	63
206	64	3	86	98	94	76	108	63
207	64	21	87	96	94	81	107	63
208	64	40	87	97	94	83	106	63
209	64	59	88	97	94	84	105	63
210	65	17	89	96	94	86	105	64
211	65	36	90	96	94	87	104	64
212	65	54	90	96	93	78	103	64
213	66	13	89	97	94	*	112	64

8-06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
EXIT	LUBE	FUEL	SCAVAG	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
STR	PUMP	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
INT	INLET	CASE	OUTLET	CASE	STG.2	STG.3	STG.3	STG.3
MP	OIL	TEMP	OIL	TEMP	4.30	3.00	4.30	6.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
95	96	65	118	55	72	86	90	89
93	96	67	117	56	74	83	90	90
93	96	67	116	59	71	74	*	87
93	97	66	115	59	71	73	*	84
91	96	64	114	59	71	72	*	82
90	96	64	113	60	70	72	*	80
90	95	66	113	61	69	71	31	78
89	94	72	112	63	66	64	*	76
88	94	76	108	63	64	64	145	74
96	94	81	107	63	64	63	73	72
87	94	83	106	63	68	65	72	71
87	94	84	105	63	67	65	73	72
86	94	86	105	64	68	65	74	72
86	94	87	104	64	69	67	76	73
86	93	78	103	64	71	67	76	73
87	94	*	112	64	65	63	68	72

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 258 +125 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-2 ENG. COMPR CS STG. 6.0 DEG.
1	*	*	62	63	64	65	63	63
2	0	39	62	63	65	65	63	63
3	0	58	61	63	64	65	63	63
4	1	17	61	63	64	66	63	63
5	1	36	61	63	65	65	63	63
6	1	54	61	63	65	65	63	63
7	2	13	61	63	64	64	62	63
8	2	32	61	62	64	64	63	63
9	*	*	60	62	64	65	63	63
10	3	9	60	63	64	64	63	62
11	3	28	61	63	64	65	63	62
14	*	*	60	63	64	65	63	61
15	*	22	61	62	64	64	63	61
16	*	*	61	63	64	64	62	61
17	5	20	61	62	63	64	63	61
18	*	*	60	63	64	64	62	61
19	5	57	61	62	63	65	63	61
20	*	*	60	63	64	64	62	61
21	*	15	61	63	64	64	62	61
22	*	33	61	63	64	65	62	61
23	*	*	62	63	63	64	62	61
24	7	31	61	63	64	65	63	61
25	*	*	60	62	64	64	62	61
26	*	48	61	63	64	65	62	61
27	*	7	61	62	64	64	63	61
28	*	25	60	62	64	64	61	61
29	*	44	60	63	63	64	62	61
30	9	23	61	62	63	63	61	61
31	9	41	61	63	63	64	62	61
32	10	0	61	63	63	63	62	61
33	10	19	61	62	64	64	62	61
34	10	37	60	62	63	63	60	61
35	*	*	60	61	63	63	61	61
36	11	15	60	62	63	63	61	61
37	11	33	60	61	63	64	61	61
38	11	52	60	61	63	64	62	61
39	12	11	61	62	62	63	61	61
40	12	29	60	61	62	63	62	61
41	12	48	60	61	63	63	61	61
42	13	7	60	61	63	63	62	61
43	13	25	61	61	62	63	61	61
44	13	44	60	62	60	63	61	61
45	14	3	60	60	62	63	61	61
46	14	21	60	61	62	61	61	61
47	14	40	60	61	61	63	60	61

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 258 +125 DEG F

16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL
SE	CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER
.4	STG.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL
30	6.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
3	64	65	63	63	63	53	55	56
3	65	65	63	63	63	53	55	56
3	64	65	63	63	63	53	55	56
3	64	66	63	63	63	52	55	56
3	65	65	63	63	62	51	55	56
3	65	65	63	63	62	52	55	56
3	64	64	62	63	62	51	55	56
2	64	64	63	63	63	50	55	56
2	64	65	63	63	63	51	55	56
3	64	64	63	62	62	51	56	56
3	64	65	63	62	63	49	56	56
3	64	65	63	62	62	48	55	56
2	64	64	63	63	62	49	55	56
3	64	64	62	62	62	48	55	56
2	63	64	63	62	62	48	55	56
3	64	64	62	62	62	48	55	56
2	63	6	63	62	63	47	54	56
3	64	64	62	63	62	48	55	55
3	64	64	62	63	62	47	54	55
3	64	65	62	61	62	48	55	56
3	63	64	62	63	62	48	55	57
3	64	65	63	62	62	46	54	56
2	64	64	62	62	61	47	55	55
3	64	65	62	62	63	47	55	57
2	64	64	63	62	61	47	55	57
2	64	64	61	63	62	47	54	55
3	63	64	62	62	62	46	54	56
2	63	63	61	61	62	47	54	56
3	63	64	62	62	61	47	54	56
3	63	63	62	61	61	46	53	56
2	64	64	62	62	62	46	54	55
2	63	63	60	61	62	48	53	56
1	63	63	61	61	62	47	54	53
2	63	63	61	63	62	48	55	53
1	63	64	61	62	62	51	55	54
1	63	64	62	62	61	54	54	54
2	62	63	61	61	62	54	54	55
1	62	63	62	61	61	54	54	54
1	63	63	61	62	62	55	54	55
1	63	63	62	63	61	57	54	55
1	62	63	61	62	61	54	55	55
2	60	63	61	61	61	53	54	55
0	62	63	61	62	62	53	54	55
1	62	61	61	61	61	53	54	55
1	61	63	60	61	61	53	54	55

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	E CO S D
48	14	57	59	60	59	62	60	
49	15	17	61	61	63	62	60	
50	15	36	71	73	74	64	62	
51	32	34	92	91	94	73	68	
52	16	13	107	100	105	88	82	
53	16	32	115	104	109	103	95	
54	16	50	116	103	107	110	103	
55	17	9	117	104	106	114	108	
56	17	28	121	113	117	118	113	
57	17	46	129	125	130	131	123	
58	18	5	136	133	138	144	134	
59	18	24	140	134	139	154	143	
60	18	42	140	134	137	156	145	
61	19	1	141	135	139	158	149	
62	19	20	141	135	141	161	151	
63	19	38	141	136	140	163	154	
64	19	57	142	135	140	164	156	
65	20	16	143	136	141	167	160	
66	20	34	143	136	140	166	158	
67	20	53	142	137	141	165	157	
68	21	11	142	136	140	164	153	
69	21	30	142	136	140	165	156	
70	21	49	143	137	142	167	159	
71	22	7	142	137	140	167	157	
72	22	26	142	137	141	165	157	
73	22	45	143	136	141	166	157	
74	23	3	142	137	141	167	159	
75	23	22	143	137	141	166	157	
76	23	41	142	137	141	168	160	
77	23	59	143	137	140	167	157	
78	24	18	141	136	140	164	155	
79	24	36	143	137	141	166	156	
80	24	55	142	137	140	166	158	
81	25	14	142	137	140	165	159	
82	25	32	142	136	140	164	153	
83	25	51	141	136	140	164	156	
84	26	10	142	136	141	165	155	
85	26	28	142	136	141	167	158	
86	26	47	142	136	141	166	156	
87	27	6	142	136	141	166	157	
88	27	24	142	137	141	165	157	
89	27	43	143	136	140	166	157	
90	28	2	143	137	140	167	158	
91	28	20	139	127	130	164	154	
92	28	39	124	112	113	152	147	
93	28	57	122	110	112	142	138	
94	29	16	123	110	113	135	131	
95	29	35	124	108	112	130	125	
96	29	53	123	109	111	129	122	
97	30	12	123	109	112	127	122	

16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
RS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL
SE	CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER
.4	STG.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL
30	6.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
0	59	62	60	61	62	53	54	52
1	63	62	60	61	71	52	56	70
3	74	64	62	64	130	53	58	78
1	94	73	68	77	227	52	59	80
0	105	88	82	97	285	52	62	84
4	109	103	95	116	312	51	64	87
3	107	110	103	123	316	51	69	90
4	106	114	108	126	319	51	69	93
3	117	119	113	131	343	51	70	95
5	130	131	123	144	384	52	72	99
3	138	144	134	156	422	50	74	101
4	139	154	143	165	434	50	74	104
4	137	156	145	169	434	50	77	107
5	139	158	149	171	438	49	77	110
5	141	161	151	171	440	49	79	113
6	140	163	154	172	440	50	79	114
5	140	164	156	173	439	50	80	115
6	141	167	160	174	437	49	80	116
6	140	166	158	174	437	50	80	118
7	141	165	157	174	438	50	82	117
6	140	164	153	173	437	49	82	118
6	140	165	156	174	436	49	82	120
7	142	167	159	174	437	50	82	121
7	140	167	157	175	438	50	84	122
7	141	165	157	174	438	51	83	121
6	141	166	157	174	437	50	83	123
7	1	167	159	174	436	51	84	122
7	1 1	166	157	174	436	50	84	122
7	141	168	160	174	437	50	84	123
7	140	167	157	175	437	49	83	125
6	140	164	155	174	436	49	84	125
7	141	166	158	174	435	51	84	122
7	140	166	158	174	436	50	84	125
7	140	165	159	174	436	50	84	125
6	140	164	153	173	437	50	85	126
6	140	164	156	174	436	50	85	126
6	141	165	155	174	435	50	85	127
6	141	167	156	174	435	50	84	126
6	141	166	156	175	436	50	85	125
6	141	166	157	175	436	50	85	126
7	141	165	157	175	436	50	86	126
6	140	165	157	174	436	52	86	126
7	140	167	158	174	437	51	85	126
7	130	164	154	172	415	51	87	126
2	113	152	147	156	367	53	89	124
0	112	142	138	142	344	52	87	123
0	113	135	131	137	339	52	85	122
8	112	130	125	136	336	53	87	121
9	111	129	122	135	334	53	86	119
9	112	127	122	135	333	55	85	118

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8 EN CON ST 6 DE
98	30	31	123	108	112	126	118	
99	30	49	125	108	113	126	119	
100	31	8	124	108	113	126	120	
101	31	27	124	109	112	127	1.1	
102	31	45	124	108	112	126	120	
103	32	4	122	108	111	125	119	
104	32	22	123	108	112	126	118	
105	32	41	124	108	112	127	120	
106	33	0	123	108	112	126	122	
107	33	18	123	110	113	126	122	
108	33	37	121	108	111	123	118	
109	33	56	116	104	106	121	116	
110	34	14	120	105	109	121	113	
111	34	33	122	106	110	122	115	
112	34	52	122	109	111	124	117	
113	35	10	123	108	111	125	117	
114	35	29	124	109	112	126	120	
115	35	48	124	108	113	127	121	
116	36	6	125	109	113	126	121	
117	36	25	124	110	113	127	121	
118	36	43	124	108	113	127	122	
119	37	2	124	110	113	127	123	
120	37	21	123	108	112	127	123	
121	37	39	108	102	100	122	120	
122	37	58	104	98	99	115	113	
123	38	17	100	96	97	110	110	
124	38	35	99	96	97	106	107	
125	38	54	98	96	98	105	105	
126	39	13	98	95	96	104	102	
127	39	31	97	95	96	103	102	
128	39	50	97	94	96	102	101	
129	40	8	97	95	96	101	99	
130	40	27	96	95	96	101	99	
131	40	46	96	96	96	101	98	
132	41	4	96	95	95	102	101	
133	41	23	96	95	96	101	99	
134	41	42	97	94	95	101	98	
135	42	0	96	95	96	102	100	
136	42	19	96	94	95	101	99	
137	42	38	95	95	95	100	99	
138	42	56	95	95	94	101	98	
139	43	15	96	94	95	100	99	
140	43	33	95	94	95	99	96	
141	43	52	95	95	95	100	97	
142	44	11	95	95	94	101	97	
143	44	29	95	96	96	100	98	
144	44	48	96	95	95	100	97	
145	45	7	96	95	95	99	96	
146	45	25	95	95	95	100	97	
147	45	44	95	95	94	100	97	

6-16	6-17	6-19	6-20	6-21	6-22	6-23	6-24	6-25
ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
COMPRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL
CSE	CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER
STG.4	STG.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL
6.30	6.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET
DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
08	112	126	118	135	333	53	85	119
08	113	126	119	134	332	54	85	117
8	113	126	120	133	332	53	85	118
9	112	127	121	134	331	54	86	117
8	112	126	120	134	331	53	85	118
08	111	125	119	134	332	54	83	117
08	112	126	118	134	330	53	85	116
08	112	127	120	134	331	53	84	117
8	112	126	122	132	331	50	80	116
0	113	126	122	134	329	51	80	116
08	111	123	118	133	327	49	80	114
04	106	121	116	131	324	49	79	114
05	109	121	113	130	328	50	80	113
06	110	122	115	131	331	52	82	114
09	111	124	117	132	332	54	84	113
08	111	125	117	134	334	53	84	113
9	112	126	120	135	335	53	83	113
08	113	127	121	136	337	54	84	114
09	113	126	121	136	336	53	84	114
10	113	127	121	136	336	55	83	113
8	113	127	122	135	335	53	85	115
9	113	127	123	135	337	54	85	114
8	112	127	123	136	334	54	85	115
02	100	122	120	127	313	50	79	114
98	99	115	113	117	301	51	79	113
96	97	110	110	112	296	51	78	113
96	97	106	107	108	291	51	78	110
96	98	105	105	108	290	51	78	110
95	96	104	102	106	289	51	77	110
95	96	103	102	105	286	51	76	108
94	96	102	101	103	286	50	76	107
95	96	101	99	104	287	50	75	107
95	96	101	99	102	286	50	74	107
96	96	101	98	103	287	52	74	106
95	95	102	101	103	286	50	74	105
95	96	101	99	102	284	52	74	105
94	95	101	98	103	286	50	73	105
95	96	102	100	102	286	52	74	104
94	95	101	99	102	285	51	74	105
94	95	100	99	102	285	51	74	104
93	94	101	98	102	285	51	74	103
94	95	100	99	102	284	51	74	105
94	95	99	98	101	285	51	73	103
93	95	100	97	102	284	51	74	103
93	94	101	97	101	284	51	73	103
94	96	100	98	101	284	51	74	104
93	95	100	97	101	284	52	73	103
93	95	99	96	102	285	49	74	103
93	95	100	97	102	284	52	73	104
93	94	100	97	101	285	50	74	104

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8- ENG COMP C STG 6. DEG
148	46	3	95	94	95	100	96	10
149	46	21	96	94	94	100	97	10
150	46	40	95	94	94	100	97	10
151	46	58	96	93	95	100	98	10
152	47	17	95	93	94	99	97	10
153	47	36	95	94	95	100	97	10
154	47	54	96	94	94	101	99	10
155	48	13	97	97	98	101	97	10
156	48	32	114	111	115	111	101	11
157	48	50	121	115	119	120	111	1
158	49	9	124	116	121	128	118	14
159	49	27	132	130	135	138	128	1
160	49	46	136	125	129	149	137	1
161	50	5	123	109	111	143	136	1
162	50	23	117	105	108	134	128	1
163	50	42	131	128	133	135	129	1
164	51	1	141	136	141	146	139	1
165	51	19	144	137	142	156	145	1
166	51	38	144	138	143	160	149	1
167	51	56	144	140	144	165	156	1
168	52	15	145	139	143	168	156	1
169	52	34	145	139	144	167	157	1
170	52	52	146	141	144	169	159	1
171	53	11	145	140	143	167	158	1
172	53	29	146	140	144	170	159	1
173	53	48	146	140	145	172	160	1
174	54	7	145	140	144	171	162	1
175	54	25	145	141	145	172	164	1
176	54	44	146	140	144	171	162	1
177	55	3	145	141	145	173	163	1
178	55	21	147	141	145	173	166	1
179	55	40	145	141	145	172	162	1
180	55	58	145	140	144	171	162	1
181	56	17	145	140	145	172	162	1
182	56	36	146	142	145	174	164	1
183	56	54	145	141	144	172	164	1
184	57	13	145	141	145	172	161	1
185	57	31	145	141	145	172	163	1
186	57	50	146	141	144	171	163	1
187	58	9	145	141	144	170	162	1
188	58	27	145	141	144	172	163	1
189	58	46	145	140	144	170	161	1
190	59	5	145	140	143	168	158	1
191	59	23	140	128	131	168	157	1
192	59	42	131	114	117	155	146	1
193	60	0	127	109	111	142	135	1
194	60	19	124	107	109	131	126	1
195	60	38	123	106	109	126	120	1
196	60	56	123	106	108	123	117	1
197	61	15	122	105	108	122	116	1

16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL
CSE	CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER
G.4	STG.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL
30	6.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
4	95	100	96	101	285	50	73	103
4	94	100	97	102	284	51	73	102
4	94	100	97	101	284	51	73	103
3	95	100	98	102	286	50	73	103
3	94	99	97	101	286	51	74	103
4	95	100	97	102	284	50	73	103
4	94	101	99	101	285	51	75	103
7	98	101	97	101	295	53	77	103
1	115	111	101	118	334	53	78	105
5	119	120	111	136	349	54	80	106
6	121	128	118	145	356	54	80	108
0	135	138	128	152	405	51	79	110
5	129	149	137	164	417	52	82	113
9	111	143	136	152	367	53	83	112
5	108	134	126	139	342	54	83	113
8	133	135	129	142	398	52	80	114
6	141	146	139	159	446	51	81	116
7	142	156	146	169	456	51	82	117
8	143	160	149	173	461	50	82	120
0	144	165	156	176	462	51	83	120
9	143	168	156	177	462	50	84	122
9	144	167	157	177	460	52	84	122
1	144	169	159	177	460	51	84	122
0	143	167	158	178	461	51	85	123
0	144	170	159	177	458	51	87	125
0	145	172	160	179	456	51	85	124
0	144	171	162	178	458	51	86	126
1	145	172	164	179	456	51	86	126
0	144	171	162	179	456	50	85	127
1	145	173	163	179	457	49	86	126
1	145	173	166	180	456	50	87	126
1	145	172	162	177	458	50	86	127
0	144	171	162	177	457	50	86	126
0	145	172	162	178	457	52	87	127
2	145	174	164	179	456	50	86	127
1	144	172	164	179	457	50	86	128
1	145	172	161	178	456	50	87	128
1	145	172	163	178	456	49	87	127
1	144	171	163	178	457	51	87	129
1	144	170	162	179	457	50	87	128
1	144	172	163	178	457	51	87	128
0	144	170	161	178	457	51	87	129
0	143	168	158	177	457	50	87	129
8	131	168	157	177	427	53	90	128
4	117	155	146	163	370	52	90	126
9	111	142	135	150	350	51	88	125
7	109	131	126	141	339	51	87	123
6	109	126	120	136	334	52	87	121
6	108	127	117	134	332	50	85	121
6	108	122	116	132	331	51	87	120

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-1 ENG. COMPI CS STG 6. DEG
198	61	34	121	105	108	121	115	13
199	61	52	116	103	106	121	116	13
200	62	11	96	90	91	114	113	11
201	62	29	89	87	86	106	106	10
202	62	48	86	84	85	99	99	9
203	63	7	84	82	84	94	95	9
204	63	25	82	81	82	90	90	8
205	63	44	75	74	73	87	87	8
206	64	3	72	70	70	83	83	8
207	64	21	70	71	70	81	81	7
208	64	40	71	71	72	82	81	7
209	64	59	72	72	73	82	80	7
210	65	17	72	72	73	81	80	7
211	65	36	72	73	75	83	80	7
212	65	54	73	74	75	85	80	7
213	66	13	68	68	68	82	79	7

8-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL
CSE	CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER
G.4	STG.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL
.30	6.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
05	108	121	115	131	330	51	86	118
03	106	121	116	131	327	52	87	118
00	91	114	113	119	306	53	89	115
97	86	106	106	106	294	54	88	115
94	85	99	99	97	283	52	88	115
92	84	94	95	92	277	52	86	113
91	82	90	90	89	275	52	87	113
84	73	87	87	84	281	55	98	112
80	70	83	83	80	285	56	100	109
81	70	81	81	76	285	57	99	107
81	72	82	81	75	283	60	96	107
82	73	82	80	75	281	63	95	107
82	73	81	80	75	279	64	95	105
83	75	83	80	76	275	64	95	105
84	75	85	80	76	270	62	96	102
86	68	82	79	75	257	58	100	112

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25B +125 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
1	*	*	50	56	55
2	0	39	50	57	54
3	0	58	51	57	55
4	1	17	50	57	54
5	1	36	51	56	54
6	1	54	51	56	54
7	2	13	50	56	54
8	2	32	50	56	54
9	*	*	50	56	55
10	3	9	51	56	54
11	3	28	49	56	55
14	*	*	50	56	54
15	*	22	51	55	53
16	*	*	50	55	54
17	5	20	51	55	55
18	*	*	50	56	54
19	5	57	50	56	54
20	*	*	51	56	54
21	*	15	50	56	55
22	*	33	50	56	54
23	*	*	51	56	55
24	7	31	51	56	54
25	*	*	50	56	54
26	*	48	52	55	54
27	*	7	51	56	54
28	*	25	50	55	54
29	*	44	51	55	55
30	9	23	51	55	54
31	9	41	51	55	54
32	10	0	51	55	54
33	10	19	51	55	53
34	10	37	51	55	54
35	*	*	50	56	54
36	11	15	51	55	54
37	11	33	50	55	53
38	11	52	51	55	54
39	12	11	51	54	54
40	12	29	51	56	53
41	12	48	51	55	54
42	13	7	51	55	54
43	13	25	50	55	55
44	13	44	52	55	55
45	14	3	52	55	54
46	14	21	52	55	55
47	14	40	52	54	54

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 6.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
48	14	57	53	52	55
49	15	17	55	64	55
50	15	36	73	67	55
91	32	34	111	70	58
92	16	13	181	73	63
53	16	32	190	74	68
54	16	50	223	76	73
55	17	9	252	77	80
56	17	28	276	79	86
57	17	46	306	82	93
58	18	5	337	84	100
59	18	24	370	85	109
60	18	42	398	87	116
61	19	1	418	90	125
62	19	20	436	90	132
63	19	38	447	92	139
64	19	57	456	93	145
65	20	16	462	94	151
66	20	34	467	94	156
67	20	53	470	96	160
68	21	11	471	96	165
69	21	30	472	97	168
70	21	49	476	97	172
71	22	7	475	97	176
72	22	26	475	99	179
73	22	45	477	98	181
74	23	3	476	99	184
75	23	22	476	98	185
76	23	41	476	99	188
77	23	59	475	99	190
78	24	18	475	99	191
79	24	36	474	98	193
80	24	55	474	100	193
81	25	14	474	99	195
82	25	32	473	100	196
83	25	51	473	100	196
84	26	10	474	100	198
85	26	28	474	100	199
86	26	47	473	101	200
87	27	6	475	101	200
88	27	24	475	100	200
89	27	43	474	100	201
90	28	2	474	100	202
91	28	20	472	100	203
92	28	39	456	101	201
93	28	57	434	99	200
94	29	16	412	98	197
95	29	35	397	97	195
96	29	53	386	96	193
97	30	12	376	96	190

8-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
98	30	31	369	96	189
99	30	49	365	96	186
100	31	9	362	96	185
101	31	27	359	96	181
102	31	45	358	95	180
103	32	4	355	96	177
104	32	22	356	95	177
105	32	41	355	95	176
106	33	0	354	93	172
107	33	18	350	93	170
108	33	37	347	92	168
109	33	56	348	91	166
110	34	14	347	92	165
111	34	33	347	92	169
112	34	52	349	94	164
113	35	10	350	93	164
114	35	29	350	93	163
115	35	48	351	93	163
116	36	6	350	94	164
117	36	25	350	94	164
118	36	43	350	94	163
119	37	2	351	95	163
120	37	21	352	94	163
121	37	39	350	91	162
122	37	58	349	90	161
123	38	17	347	90	159
124	38	35	346	88	159
125	38	54	344	87	158
126	39	13	344	87	156
127	39	31	342	86	155
128	39	50	342	86	152
129	40	8	342	85	152
130	40	27	342	84	151
131	40	46	341	84	150
132	41	4	341	84	149
133	41	23	342	85	149
134	41	42	341	84	148
135	42	0	340	84	147
136	42	19	340	84	146
137	42	38	340	84	145
138	42	56	340	84	145
139	43	15	340	84	145
140	43	33	340	83	144
141	43	52	339	83	143
142	44	11	340	84	143
143	44	29	340	83	142
144	44	48	340	83	142
145	45	7	339	83	141
146	45	25	339	83	141
147	45	44	339	83	142

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
148	46	3	340	83	140
149	46	21	339	83	139
150	46	40	340	83	140
151	46	58	339	82	140
152	47	17	338	82	139
153	47	36	339	83	139
154	47	54	340	83	139
155	48	13	342	85	140
156	48	32	349	88	141
157	48	50	357	89	143
158	49	9	363	90	146
159	49	27	375	90	147
160	49	46	399	92	152
161	50	5	404	93	155
162	50	23	398	93	157
163	50	42	397	93	159
164	51	1	414	94	162
165	51	19	439	95	165
166	51	38	460	97	168
167	51	56	470	97	173
168	52	15	476	98	177
169	52	34	480	99	179
170	52	52	484	99	182
171	53	11	484	100	184
172	53	29	486	100	188
173	53	48	487	100	190
174	54	7	487	101	193
175	54	25	488	101	195
176	54	44	489	101	199
177	55	3	488	102	199
178	55	21	489	102	202
179	55	40	488	102	204
180	55	58	488	101	204
181	56	17	487	101	206
182	56	36	489	102	208
183	56	54	487	102	208
184	57	13	487	102	209
185	57	31	487	102	210
186	57	50	487	102	211
187	58	9	487	102	211
188	58	27	486	103	213
189	58	46	486	103	212
190	59	5	486	103	213
191	59	23	484	104	213
192	59	42	465	101	213
193	60	0	441	99	210
194	60	19	417	98	208
195	60	38	399	97	205
196	60	56	387	96	202
197	61	15	376	96	199

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
198	61	34	368	96	196
199	61	52	366	97	193
200	62	11	366	98	193
201	62	29	371	97	191
202	62	46	377	96	188
203	63	7	383	94	184
204	63	25	388	94	182
205	63	44	387	103	180
206	64	3	376	104	180
207	64	21	366	102	180
208	64	40	355	103	180
209	64	59	345	102	181
210	65	17	337	102	181
211	65	36	330	100	181
212	65	54	323	101	183
213	66	13	314	106	182

RUN 25C +125°F 13 JULY 70

RUN 25C, 125°F Engine Oil Test, 13 July 1970
Engine No. 1 Pump (S/N 597) at Nominal Setting of 6.45 gpm (high)
Engine No. 2 Pump (S/N 595) at Nominal Setting of 6.60 gpm (high)
Soak Time N/A

Test Synopsis:

This run is a continuation of the 125°F engine oil test. Previous 125°F tests were runs 25A and 25B.

This run presents 125°F data with the oil pumps at the high oil flow settings. Previous runs 25A and 25B were conducted with the oil pumps at the low flow setting. The next test, run 26, presents data for medium oil flow.

Pertinent information.

Engine No. 1 had -13 fuel control and no EAPS.

Engine No. 2 had -12 fuel control, EAPS, and armor plating installed.

Both engines had calibrated oil pumps installed.

Test parameters not connected or not presented.

1-4-Free air temperature (not connected).

2-18-Main wheel brake return hydraulic pressure (not connected).

2-19 through 2-26-Heater output airflow differential pressure (not presented).

3-1 through 3-28 (all parameters on switch box position 3)-Heater duct and aircraft compartment temperatures (not presented).

Defective test parameters not presented (unless indicated otherwise)

4-13-Second stage hydraulic system pump outlet temperature.

7-12-Engine No. 1 compressor case temperature, 3rd stage, 3 o'clock position.

7-19-Engine No. 1 compressor case temperature, 5th stage, 3 o'clock position.

7-20-Engine No. 1 compressor case temperature, 5th stage 4:30 o'clock position.

8-18-Engine No. 2 compressor case temperature, 5th stage, 9 o'clock position.

Event Sheet:

CTR	Event
272	Engine No. 1 - start
	NOTE: APP EGT peaked at 634°C while starting engine No. 1.
274	Rotor brake - OFF
277	Engine No. 1 throttle - forward
280	Engine No. 2 - start
283	Engine No. 2 throttle - set at 100-percent N_f
288-315	Operate both engines at 50-percent torque and allow temperature to stabilize.

CTR	Event
321-346	Operate engine No. 2 at flight idle (13-percent torque) and allow temperatures to stabilize.
321-346	Operate engine No. 1 at 80-percent torque and allow temperatures to stabilize.
355-375	Operate engine No. 1 at flight idle (13-percent torque) and allow temperatures to stabilize.
355-375	Operate engine No. 2 at 80-percent torque and allow temperatures to stabilize.
380-400	Operate engine No. 2 at maximum available torque (92 percent) and allow temperatures to stabilize.
400	Operate engine No. 2 at maximum available torque (91 percent) with EAPS doors closed.
404-429	Operate engine No. 1 at maximum available torque (99 percent) and allow temperatures to stabilize.
445	APP - start
447	Throttles - shutdown
462-463	Engine No. 1 starter - check operation.

NOTE:
APP EGT peak 630°C while motoring engine No. 1.

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
215	66	21	0	0	*	0	161
216	66	40	0	0	*	0	161
217	66	59	0	0	*	0	160
218	67	17	0	0	*	0	160
219	67	36	0	0	*	0	158
220	67	55	0	0	*	0	160
221	68	13	0	0	*	0	157
222	68	32	0	0	*	0	157
223	68	51	0	0	*	0	155
224	69	10	0	0	*	0	157
225	69	28	0	0	*	0	155
226	69	47	0	0	*	0	155
227	70	6	0	0	*	0	153
228	70	24	0	0	*	0	151
229	70	43	0	0	*	0	153
230	71	2	0	0	*	0	152
231	71	20	0	0	*	0	151
232	71	39	0	0	*	0	151
233	71	58	0	0	*	0	151
234	72	17	0	0	*	0	148
235	72	35	0	0	*	0	148
236	72	54	0	0	*	0	148
237	73	13	0	0	*	C	146
238	73	31	0	0	*	0	146
239	73	50	0	0	*	0	146
240	74	9	0	0	*	0	146
241	74	27	0	0	*	0	146
242	74	46	0	0	*	0	146
243	75	5	0	0	*	0	146
244	75	24	0	0	*	0	143
245	75	42	0	0	*	0	143
246	76	3	0	0	*	0	139
247	76	22	0	0	*	0	138
248	76	40	0	0	*	0	138
249	76	59	0	0	*	0	138
250	77	18	0	0	*	0	137
251	77	36	0	0	*	0	137
252	77	55	0	*	*	0	138
253	78	14	0	*	*	0	137
254	78	32	0	0	*	0	136
255	78	51	0	0	*	0	136
256	79	10	0	*	*	0	136
257	79	28	0	0	*	0	134
			0	0	*	0	136

RUN 25C

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

1-06 ENG.1 FUEL FLOW	1-07 ENG.1 TORQUE	1-08 ENG.1 POWER TURB SPEED RPM	1-09 ENG.1 TURB INLET TEMP (T-5)	1-10 ENG.2 RPM (NG)	1-11 ENG.2 FUEL FLOW	1-12 ENG.2 TORQUE	1-13 ENG.2 POWER TURB SPEED RPM	1-14 ENG.2 TURB INLET TEMP (T-5)
GAL/HR	PERCNT	PERCNT	DEG.C	PERCNT	GAL/HR	PERCNT	PERCNT	DEG.C
0	*	0	161	0	*	*	1	177
0	*	0	161	0	*	*	1	174
0	*	0	160	0	*	*	1	175
0	*	0	160	0	*	*	1	175
0	*	0	158	0	*	*	2	174
0	*	0	160	0	*	*	2	172
0	*	0	157	0	*	*	1	172
0	*	0	157	0	*	*	1	171
0	*	0	155	0	*	*	1	171
0	*	0	157	0	*	*	1	170
0	*	0	155	0	*	*	1	170
0	*	0	155	0	*	*	1	168
0	*	0	153	0	*	*	1	168
0	*	0	151	0	*	*	1	167
0	*	0	153	0	*	*	1	167
0	*	0	152	0	*	*	1	166
0	*	0	151	0	*	*	1	165
0	*	0	151	0	*	*	1	165
0	*	0	151	0	*	*	1	165
0	*	0	148	0	*	*	1	162
0	*	0	148	0	*	*	1	162
0	*	0	148	0	*	*	1	161
0	*	0	146	0	*	*	1	161
0	*	0	146	0	*	*	1	161
0	*	0	146	0	*	*	1	162
0	*	0	146	0	*	*	1	160
0	*	0	146	0	*	*	1	160
0	*	0	146	0	*	*	1	158
0	*	0	146	0	*	*	1	158
0	*	0	143	0	*	*	1	157
0	*	0	143	0	*	*	1	158
0	*	0	139	0	*	*	1	153
0	*	0	138	0	*	*	1	153
0	*	0	138	0	*	*	1	152
0	*	0	138	0	*	*	2	152
0	*	0	137	0	*	*	0	153
0	*	0	137	0	*	*	1	152
*	*	0	138	0	*	*	2	150
*	*	0	137	0	*	*	1	151
0	*	0	136	0	*	*	2	152
0	*	0	136	0	*	*	2	150
*	*	0	136	0	*	*	1	151
0	*	0	134	0	*	*	1	148

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1- ENG R (N PERC
260	80	24	0	0	*	0	134	
261	80	43	0	0	*	0	133	
262	81	2	0	0	*	0	133	
263	81	20	0	0	*	0	133	
264	81	39	0	0	*	0	132	
265	81	58	0	0	*	0	132	
266	82	16	0	0	*	0	133	
267	82	35	0	*	*	0	136	
268	82	54	0	*	*	0	130	
269	83	12	0	0	*	0	130	
270	83	31	0	0	*	0	132	
271	83	50	0	*	*	0	130	
272	84	8	0	0	*	0	129	
273	84	27	26	11	7	11	476	
274	84	46	60	43	5	26	533	
275	85	4	62	40	4	32	565	
276	85	23	62	41	4	35	575	
277	85	42	63	41	35	73	533	
278	86	0	87	113	29	*	572	
279	86	19	89	126	28	98	549	
280	86	38	91	120	27	102	546	
281	86	57	89	120	27	101	545	
282	87	16	88	118	25	102	541	
283	87	35	88	115	15	102	524	
284	87	53	87	101	13	100	493	
285	88	12	85	87	42	*	559	
286	88	31	90	142	46	99	588	
287	88	49	91	150	49	102	601	
288	89	8	92	157	48	100	601	
289	89	27	94	155	49	99	601	
290	89	45	91	156	49	99	599	
291	90	4	91	156	49	100	599	
292	90	23	96	157	49	100	599	
293	90	41	91	157	49	100	599	
294	91	0	92	156	49	100	599	
295	91	19	92	157	49	100	601	
296	91	37	92	157	49	100	599	
297	91	56	*	157	49	100	597	
298	92	15	91	156	49	99	597	
299	92	33	92	157	50	100	597	
300	92	52	92	158	49	100	597	
301	93	11	92	157	49	100	594	
302	93	29	91	157	50	100	597	
303	93	48	92	158	50	100	597	
304	94	7	94	157	50	98	597	
305	94	25	92	158	49	98	594	
306	94	44	91	156	49	100	596	
307	95	2	91	156	50	99	596	
308	95	21	91	157	49	99	5	
309	95	40	91	156				

1-06 ENG.1 FUEL FLOW L/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
0	*	0	134	0	*	*	0	148
0	*	0	133	0	*	*	1	148
0	*	0	133	0	*	*	0	146
0	*	0	133	0	*	*	2	150
0	*	0	133	0	*	*	2	146
0	*	0	132	0	*	*	1	147
0	*	0	132	0	*	*	1	147
*	*	0	133	0	*	*	2	147
*	*	0	136	0	*	*	1	146
0	*	0	130	0	*	*	1	145
0	*	0	130	0	*	*	1	146
*	*	0	132	0	*	*	1	145
0	*	0	130	0	*	*	1	146
11	*	0	129	0	*	*	1	145
43	7	11	476	0	*	*	0	146
40	5	26	537	0	*	*	1	145
41	4	32	565	0	*	*	1	143
41	4	35	575	0	*	*	1	145
113	35	73	533	0	*	*	2	145
126	29	*	572	0	*	*	1	145
120	28	98	549	0	*	*	0	146
120	27	102	546	13	*	*	1	145
118	27	101	545	53	42	*	41	337
115	25	102	541	66	44	*	64	541
101	15	102	524	83	74	5	101	512
87	13	100	493	85	89	11	100	491
142	42	*	559	93	145	39	101	558
150	46	99	588	94	153	45	100	586
157	49	102	601	94	157	47	101	606
155	48	100	601	92	156	47	101	598
156	49	99	601	93	156	47	101	600
156	49	99	599	93	157	48	100	598
157	49	100	599	93	157	47	102	601
157	49	100	599	93	156	47	101	598
156	49	100	599	97	156	47	101	596
157	49	100	599	93	155	47	101	596
157	49	100	601	93	156	47	101	593
157	49	100	599	94	155	47	101	593
156	49	100	597	94	156	47	101	591
157	49	99	597	93	155	47	101	599
158	50	100	597	93	156	48	101	591
157	49	100	597	94	155	47	101	590
157	49	100	594	*	156	47	101	601
158	50	100	597	93	157	48	101	591
157	50	100	597	93	157	48	101	590
158	50	98	597	93	156	48	101	594
156	49	98	594	93	156	47	101	590
156	49	100	596	93	156	48	102	590
157	50	99	596	93	156	48	101	590
156	49	99	5[illegible]	93	157	49	101	588

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	E PE
310	95	58	92	158	50	99	596	
311	96	17	92	156	49	99	596	
312	96	36	94	157	50	100	596	
313	96	54	92	157	49	99	594	
314	97	13	91	157	50	99	597	
315	97	32	92	159	50	100	597	
316	97	50	89	127	21	102	566	
317	98	9	87	104	23	98	503	
318	98	28	84	80	7	102	489	
319	98	46	94	189	67	100	622	
320	99	5	96	221	82	100	688	
321	99	24	96	216	80	99	690	
322	99	42	96	213	79	99	686	
323	100	1	96	215	79	99	685	
324	100	19	96	214	79	100	690	
325	100	38	96	214	78	100	682	
326	100	57	96	213	78	*	683	
327	101	15	96	214	79	99	686	
328	101	34	96	212	78	99	681	
329	101	53	97	214	79	98	682	
330	102	11	96	213	79	100	683	
331	102	30	96	213	79	100	685	
332	102	49	96	214	79	99	682	
333	103	7	96	213	79	99	682	
334	103	26	96	213	79	99	683	
335	103	45	96	211	77	99	682	
336	104	3	95	212	78	100	682	
337	104	22	96	212	78	99	680	
338	104	40	96	213	79	100	682	
339	104	59	95	214	79	99	685	
340	105	18	96	214	79	99	683	
341	105	36	96	215	80	100	685	
342	105	55	95	211	78	100	680	
343	106	14	96	212	79	98	680	
344	106	32	95	214	79	100	681	
345	106	51	97	213	78	100	680	
346	107	10	96	215	80	100	682	
347	107	28	85	80	8	103	493	
348	107	47	80	58	1	99	456	
349	108	6	91	59	1	98	451	
350	108	24	86	95	17	100	470	
351	108	43	94	193	74	99	620	
352	109	1	93	177	38	102	641	
353	109	20	79	57	1	99	460	
354	109	39	84	76	10	100	451	
355	109	57	84	86	13	99	461	
356	110	16	84	86	13	100	461	
357	110	35	85	86	13	100	461	
358	110	53	83	85	13	100	460	
					13	8	460	

1-06 ENG.1 FUEL FLOW	1-07 ENG.1 TORQUE	1-08 ENG.1 POWER TURB SPEED RPM	1-09 ENG.1 TURB INLET TEMP (T-5)	1-10 ENG.2 RPM (NG)	1-11 ENG.2 FUEL FLOW	1-12 ENG.2 TORQUE	1-13 ENG.2 POWER TURB SPEED RPM	1-14 ENG.2 TURB INLET TEMP (T-5)
L/HR	PERCNT	PERCNT	DEG.C	PERCNT	GAL/HR	PERCNT	PERCNT	DEG.C
158	50	99	596	93	157	48	101	594
156	49	99	596	93	157	48	100	593
157	50	100	596	94	156	48	101	591
157	49	99	594	93	157	48	101	590
157	50	99	597	94	159	48	101	609
159	50	100	597	94	157	49	101	590
127	21	102	566	90	123	17	101	558
104	23	98	503	82	62	0	100	467
80	7	102	469	88	104	20	103	494
189	67	100	622	86	86	11	101	477
221	82	100	688	85	82	9	102	472
216	80	99	690	86	85	10	101	473
213	79	99	686	86	87	11	101	475
215	79	99	685	86	86	11	101	478
214	79	100	690	86	88	12	101	475
214	78	100	682	86	89	12	101	476
213	78	*	683	87	88	12	101	480
214	79	99	686	86	89	12	101	481
212	78	99	681	86	89	12	101	480
214	79	98	682	86	89	12	101	478
213	79	100	683	88	89	12	101	485
213	79	100	685	86	89	12	101	484
214	79	99	682	87	89	12	100	480
213	79	99	682	86	89	12	100	484
213	79	99	683	86	88	12	101	484
211	77	99	682	86	88	12	101	480
212	78	100	682	86	89	12	100	481
212	78	99	680	87	89	12	101	478
213	79	100	682	86	89	12	101	484
214	79	99	685	88	88	11	101	478
214	79	99	683	88	89	12	101	484
215	80	100	685	86	89	12	101	477
211	78	100	680	86	89	12	100	480
212	79	98	680	86	89	12	101	480
214	79	100	681	86	89	11	101	484
213	78	100	680	86	89	11	103	476
215	80	100	682	88	88	11	101	476
80	6	103	493	87	96	14	104	484
58	1	99	456	89	117	25	103	519
59	1	98	451	91	138	35	104	549
95	17	100	470	88	97	15	100	504
193	74	99	620	102	198	73	101	624
177	38	102	641	92	168	23	103	622
57	1	99	460	95	187	69	103	622
76	10	100	451	98	208	73	101	663
86	13	99	461	98	218	80	101	669
86	13	100	461	97	217	79	101	684
86	13	100	461	98	217	79	101	668
85	13	100	460	97	215	78	101	664

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
360	111	29	84	85	13	100	457
361	111	49	84	86	13	100	458
362	112	8	86	89	15	100	461
363	112	26	84	85	13	100	458
364	112	45	84	86	14	99	457
365	113	4	84	86	13	100	457
366	*	*	*	*	*	*	*
368	114	0	83	85	13	99	456
369	114	18	83	84	12	100	455
370	114	37	84	84	12	99	455
371	114	55	83	85	12	100	453
372	115	14	84	85	12	99	452
373	115	33	84	84	12	100	455
374	115	51	83	85	12	100	452
375	116	10	83	85	12	101	452
376	116	29	81	72	8	100	448
377	116	47	79	58	1	98	437
378	117	6	78	58	1	98	438
379	117	24	78	58	1	99	443
380	117	43	78	57	0	97	436
381	118	2	79	58	1	96	438
382	118	20	78	58	1	97	434
383	118	39	78	58	1	97	432
384	118	58	78	58	1	97	434
385	119	16	78	58	1	96	433
386	119	35	78	58	1	97	436
387	119	53	78	58	1	96	436
388	120	12	78	58	1	96	432
389	120	31	79	58	1	97	432
390	120	49	78	58	1	96	434
391	121	8	78	59	1	96	433
392	121	26	79	59	1	97	433
393	121	45	79	58	1	96	433
394	122	4	79	58	1	96	433
395	122	22	78	58	0	96	432
396	122	41	78	58	1	97	429
397	123	0	78	58	1	95	432
398	123	18	78	58	1	96	432
399	123	37	78	58	1	96	430
400	123	55	78	58	1	99	433
401	124	14	80	59	1	96	438
402	124	33	91	141	40	101	532
403	124	51	95	225	88	100	650
404	125	10	96	251	97	99	719
405	125	28	96	250	97	100	721
406	125	47	97	250	97	100	721
407	126	6	97	249	97	100	718
408	126	24	97	249	96	99	719
409	126	43	97	249	97	100	720
			97	249	98	100	7

06 G.1 UEL LOW /HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
05	13	100	457	97	215	79	101	664
06	13	100	458	97	218	81	102	672
09	15	100	461	95	211	78	100	657
05	13	100	458	97	214	79	101	660
06	14	99	457	97	215	79	101	663
06	13	100	457	96	215	79	101	663
*	*	*	*	*	*	*	*	*
05	13	99	456	97	215	79	101	659
04	12	100	455	97	215	78	100	660
04	12	99	455	92	213	78	101	659
05	12	100	453	96	213	78	101	655
05	12	99	452	96	213	78	100	658
04	12	100	455	98	213	78	101	658
05	12	100	452	96	214	79	100	658
05	12	101	452	96	213	78	101	658
72	6	100	448	86	94	13	101	501
58	1	98	437	88	111	22	104	504
58	1	98	438	88	111	22	103	497
58	1	99	443	88	112	22	103	500
57	0	97	436	98	241	94	98	694
58	1	96	438	98	241	91	101	697
58	1	97	434	98	240	91	101	698
58	1	97	432	99	241	92	101	699
58	1	97	434	98	241	92	101	698
58	1	96	433	98	240	92	101	698
58	1	97	436	97	241	92	101	697
58	1	96	436	98	240	92	101	698
58	1	96	432	98	240	92	101	698
58	1	97	432	98	240	92	101	698
58	1	96	434	99	240	92	101	709
58	1	96	433	98	241	92	101	699
59	1	97	433	98	240	92	101	697
59	1	96	433	98	240	91	101	697
58	1	96	433	100	240	92	101	697
58	0	96	432	98	240	91	101	709
58	1	97	429	99	240	92	100	697
58	1	95	432	98	240	92	101	707
58	1	96	432	98	240	91	100	699
58	1	96	430	98	240	92	102	696
58	1	99	433	98	240	91	103	697
59	1	96	438	88	114	23	103	554
41	40	101	532	80	56	*	100	462
25	88	100	650	85	57	*	101	484
51	97	99	719	82	57	*	103	437
50	97	100	721	80	58	*	99	440
50	97	100	721	80	57	*	99	436
49	97	100	718	79	57	*	99	443
49	96	99	719	80	58	*	99	441
49	97	100	720	80	58	*	99	436
				79	58	*	99	437

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1- ENG R (N PERC
411	127	20	97	249	98	100	718	
412	127	39	97	249	96	100	718	
413	127	57	97	249	97	102	715	
414	128	16	97	249	98	*	715	
415	128	35	97	249	97	100	715	
416	128	53	97	249	97	99	715	
417	129	12	97	248	97	99	713	
418	129	31	98	249	98	99	713	
419	129	49	97	249	98	100	718	
420	130	8	97	249	98	100	713	
421	130	26	96	249	98	102	715	
422	130	45	*	249	98	99	714	
423	131	4	98	249	98	99	715	
424	131	22	97	249	98	99	714	
425	131	41	97	249	98	*	713	
426	131	59	97	249	98	99	714	
427	132	18	97	249	97	99	713	
428	132	37	97	249	98	100	711	
429	132	55	99	249	98	99	715	
430	133	14	87	118	26	102	566	
431	133	33	84	87	14	102	476	
432	133	51	95	219	87	99	643	
433	134	10	82	85	7	102	532	
434	134	28	82	79	10	99	460	
435	134	47	82	79	10	100	452	
436	135	6	82	79	10	99	453	
437	135	24	83	83	12	99	456	
438	135	43	83	83	12	98	457	
439	136	1	83	83	12	100	455	
440	136	20	86	106	23	98	493	
441	136	39	87	108	24	97	500	
442	136	57	87	108	25	98	502	
443	137	16	64	37	0	63	481	
444	137	34	64	37	0	62	513	
445	137	53	63	38	0	62	514	
446	138	12	63	38	0	62	513	
447	138	30	27	0	*	28	442	
448	138	49	9	0	5	9	294	
449	139	8	3	0	*	7	236	
450	139	26	0	0	*	0	222	
451	139	45	0	0	*	0	230	
452	140	3	0	0	*	0	242	
453	140	22	0	0	*	0	256	
454	140	41	0	0	*	0	265	
455	140	59	0	0	*	0	273	
456	141	18	0	0	*	0	280	
457	141	36	0	0	*	0	286	
458	141	55	0	0	*	0	289	
459	142	14	0	0	*	0	292	
460	142	32	0	0	*	0	296	

-06	1-07	1-08	1-09	1-10	1-11	1-12	1-13	1-14
.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
UEL		POWER	TURB		FUEL		POWER	TURB
LOW		TURB	INLET	RPM	FLOW		TURB	INLET
	TORQUE	SPEED	TEMP	(NG)		TORQUE	SPEED	TEMP
		RPM	(T-5)				RPM	(T-5)
/HR	PERCNT	PERCNT	DEG.C	PERCNT	GAL/HR	PERCNT	PERCNT	DEG.C
49	98	100	718	80	58	*	101	440
49	96	100	718	82	59	*	99	440
49	97	102	715	80	59	*	*	438
49	98	*	715	82	58	*	99	437
49	97	100	715	80	59	*	99	438
49	97	99	715	80	59	*	99	437
48	97	99	713	80	58	*	98	438
49	98	99	713	80	59	*	99	438
49	98	100	718	80	59	*	99	441
49	98	100	713	80	59	*	99	441
49	98	102	715	80	59	*	98	440
49	98	99	714	85	59	*	100	438
49	98	99	715	80	59	*	100	440
49	98	99	714	80	59	*	99	438
49	98	*	713	79	59	*	99	440
49	98	99	714	79	59	*	99	438
49	97	99	713	82	59	*	99	440
49	98	100	711	79	59	*	101	440
49	98	99	715	79	59	*	99	438
18	28	102	568	78	56	*	94	446
37	14	102	476	85	86	9	102	456
19	87	99	643	97	234	89	101	655
35	7	102	532	86	98	11	104	553
79	10	99	460	85	88	11	100	470
79	10	100	452	85	89	11	*	472
79	10	99	453	85	89	11	101	471
83	12	99	456	85	85	9	*	462
83	12	98	457	85	86	9	101	461
83	12	100	455	85	86	9	100	461
06	23	98	493	67	40	*	68	473
08	24	97	500	66	41	*	68	501
08	25	98	502	68	48	*	69	521
37	0	63	481	86	114	22	101	509
37	0	62	513	88	114	22	102	509
38	0	62	514	88	113	22	101	510
38	0	62	513	89	109	21	101	501
0	*	28	442	85	85	7	99	477
0	5	9	294	67	40	*	66	471
0	*	7	236	28	*	*	28	421
0	*	0	222	9	*	27	9	286
0	*	0	230	3	*	*	2	236
0	*	0	242	0	*	*	0	227
0	*	0	256	0	*	*	0	234
0	*	0	265	0	*	*	0	246
0	*	0	273	0	*	*	0	259
0	*	0	280	0	*	*	0	270
0	*	0	286	0	*	*	0	278
0	*	0	289	0	*	*	0	281
0	*	0	292	0	*	*	0	288
							0	293

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-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	P
461	142	51	0	0	*	0	298	
462	143	9	28	0	*	1	263	
463	143	28	14	0	*	2	180	
464	143	47	6	0	*	0	146	
465	144	5	6	0	*	0	136	
466	*	*	*	*	*	*	*	

1-06 ENG.1 FUEL FLOW	1-07 ENG.1 TORQUE	1-08 ENG.1 POWER TURB SPEED RPM	1-09 ENG.1 TURB INLET TEMP (T-5)	1-10 ENG.2 RPM (NG)	1-11 ENG.2 FUEL FLOW	1-12 ENG.2 TORQUE	1-13 ENG.2 POWER TURB SPEED RPM	1-14 ENG.2 TURB INLET TEMP (T-5)
AL/HR	PERCNT	PERCNT	DEG.C	PERCNT	GAL/HR	PERCNT	PERCNT	DEG.C
0	*	0	298	0	*	*	0	291
0	*	1	263	0	*	*	0	295
0	*	2	180	0	*	*	0	295
0	*	0	146	27	*	*	20	268
0	*	0	136	19	*	89	8	175
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
215	66	21	0	*	*	0	0
216	66	40	0	*	*	2	0
217	66	59	0	*	*	2	0
218	67	17	0	*	*	2	0
219	67	36	0	*	*	1	0
220	67	55	0	*	*	1	0
221	68	13	0	*	*	1	0
222	68	32	0	*	*	1	0
223	68	51	0	*	*	1	0
224	69	10	0	*	*	1	0
225	69	28	0	*	*	0	0
226	69	47	0	*	*	1	0
227	70	6	0	*	*	1	0
228	70	24	0	*	*	0	0
229	70	43	0	*	*	2	0
230	71	2	0	*	*	1	0
231	71	20	0	*	*	0	0
232	71	39	0	*	*	2	0
233	71	58	0	*	*	2	0
234	72	17	0	*	*	1	0
235	72	35	0	*	*	2	0
236	72	54	0	*	*	1	0
237	73	13	0	*	*	1	0
238	73	31	0	*	*	1	0
239	73	50	0	*	*	1	0
240	74	9	0	*	*	3	0
241	74	27	0	*	*	1	0
242	74	46	0	*	*	1	0
243	75	5	0	*	*	1	0
244	75	24	0	*	*	0	0
245	75	42	0	*	*	2	0
246	76	3	0	*	*	1	0
247	76	22	0	*	*	1	0
248	76	40	0	*	*	1	0
249	76	59	0	*	*	1	0
250	77	18	0	*	*	2	0
251	77	36	0	*	*	0	0
252	77	55	0	*	*	1	0
253	78	14	0	*	*	1	0
254	78	32	0	*	*	1	0
255	78	51	0	*	*	0	0
256	79	10	0	*	*	2	0
257	79	28	0	*	*	1	0
258	79	47	0	*	*	1	0

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

1480

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
*	*	0	0	2	0	1	1
*	*	2	0	1	1	2	1
*	*	2	0	1	0	0	2
*	*	2	0	1	0	1	2
*	*	1	0	2	0	0	0
*	*	1	0	0	1	1	1
*	*	1	0	1	0	1	1
*	*	1	0	1	0	1	1
*	*	1	0	1	0	0	1
*	*	1	0	1	0	0	2
*	*	0	0	1	0	0	1
*	*	1	0	2	0	0	1
*	*	1	0	1	0	0	1
*	*	0	0	2	0	0	0
*	*	2	0	1	1	1	1
*	*	1	0	1	0	0	2
*	*	0	0	1	0	1	1
*	*	2	0	0	0	0	1
*	*	2	0	1	0	0	1
*	*	1	0	2	0	2	1
*	*	2	0	1	1	0	1
*	*	1	0	2	0	1	1
*	*	1	0	0	0	0	1
*	*	1	0	0	1	0	1
*	*	1	0	0	0	1	0
*	*	3	0	2	0	1	2
*	*	1	0	0	0	0	2
*	*	1	0	1	0	0	2
*	*	1	0	1	0	3	1
*	*	0	0	1	0	1	1
*	*	2	0	0	0	0	1
*	*	1	0	1	0	0	2
*	*	1	0	1	0	2	2
*	*	1	0	2	0	0	1
*	*	1	0	1	1	3	2
*	*	2	0	2	0	1	2
*	*	0	0	2	0	2	2
*	*	1	0	1	0	1	1
*	*	1	0	1	27	0	2
*	*	1	0	2	27	0	1
*	*	0	0	2	27	1	2
*	*	2	0	2	29	2	2
*	*	1	0	0	28	0	0
*	*	1	0	0	29	6	1

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
260	80	24	0	*	*	1	0
261	80	43	0	*	*	0	0
262	81	2	0	*	*	1	0
263	81	20	0	*	*	0	0
264	81	39	0	*	*	2	0
265	81	58	0	*	*	0	0
266	82	16	0	*	*	1	0
267	82	35	0	*	*	1	0
268	82	54	0	*	*	1	0
269	83	12	0	*	*	0	0
270	83	31	0	*	*	1	0
271	83	50	0	*	*	1	0
272	84	8	0	*	*	2	0
273	84	27	0	20	*	7	5
274	84	46	12	19	*	30	14
275	85	4	27	20	*	30	14
276	85	23	33	20	*	30	13
277	85	42	35	24	*	30	14
278	86	0	75	44	*	60	20
279	86	19	103	95	*	61	20
280	86	38	102	96	*	60	20
281	86	57	103	97	*	57	20
282	87	16	102	96	19	58	22
283	87	35	102	96	18	57	21
284	87	53	102	84	84	52	20
285	88	12	100	85	82	55	18
286	88	31	102	87	86	66	19
287	88	49	100	82	81	62	18
288	89	8	102	81	81	63	22
289	89	27	100	81	81	60	18
290	89	45	100	81	81	62	23
291	90	4	100	81	81	60	23
292	90	23	100	81	81	61	20
293	90	41	100	81	81	63	20
294	91	0	100	81	81	61	20
295	91	19	100	81	81	61	19
296	91	37	101	81	81	61	20
297	91	56	100	81	81	60	22
298	92	15	100	82	81	60	20
299	92	33	102	81	81	61	19
300	92	52	100	81	81	60	20
301	93	11	101	81	81	61	22
302	93	29	100	81	81	61	18
303	93	48	100	82	81	61	20
304	94	7	100	81	81	61	20
305	94	25	100	81	81	61	20
306	94	44	100	81	81	60	18
307	95	2	100	81	81	60	20
308	95	21	102	81	81	60	19
309	95	40	100	81	81	60	

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
*	*	1	0	2	25	*	1
*	*	0	0	1	26	0	0
*	*	1	0	0	26	0	1
*	*	0	0	1	27	0	2
*	*	2	0	0	27	0	2
*	*	0	0	0	27	0	1
*	*	1	0	0	27	*	1
*	*	1	0	1	26	0	1
*	*	1	0	0	27	0	1
*	*	0	0	1	27	0	2
*	*	1	0	1	29	0	0
*	*	1	0	0	25	0	0
*	*	2	0	0	26	0	1
20	*	7	5	2	29	0	4
19	*	30	14	4	26	1	17
20	*	30	14	11	26	11	18
20	*	30	13	15	26	17	18
24	*	30	14	17	25	20	18
44	*	60	20	63	26	58	86
95	*	61	20	69	27	64	88
96	*	60	20	71	26	63	84
97	*	57	20	72	26	63	85
96	19	58	22	69	24	63	85
96	18	57	21	65	22	61	84
84	84	52	20	64	25	64	66
85	82	55	18	63	25	66	66
87	86	66	19	69	23	51	105
82	81	62	18	68	23	64	104
81	81	63	22	71	23	62	106
81	81	60	18	64	23	65	107
81	81	62	23	69	24	64	107
81	81	60	23	66	24	64	107
81	81	61	20	61	22	64	107
81	81	63	20	69	23	62	108
01	81	61	20	60	24	62	106
81	81	61	19	68	24	64	108
81	81	61	20	62	23	62	107
81	81	60	22	63	23	64	106
82	81	60	20	74	22	61	108
81	81	61	19	68	24	63	108
81	81	60	20	65	23	62	107
81	81	61	22	70	24	62	107
81	81	61	18	62	24	63	106
82	81	61	20	71	24	64	109
81	81	61	20	58	23	63	107
81	81	61	20	63	26	63	110
01	81	60	18	62	25	63	107
81	81	60	20	63	22	63	107
81	81	60	19	64	23	65	108
81	81	60	[illegible]	64	24	62	108

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-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
310	95	58	101	81	81	61	21
311	96	17	100	81	81	60	20
312	96	36	100	81	81	61	20
313	96	54	100	81	81	59	19
314	97	13	101	81	81	60	18
315	97	32	100	82	81	63	20
316	97	50	103	81	81	51	18
317	98	9	100	87	72	58	21
318	98	28	103	82	88	51	19
319	98	46	101	90	74	64	22
320	99	5	98	88	72	66	22
321	99	24	100	86	72	66	21
322	99	42	100	87	72	66	20
323	100	1	100	87	72	66	20
324	100	19	100	86	73	65	20
325	100	38	100	87	73	64	23
326	100	57	100	87	73	66	20
327	101	15	*	87	73	65	21
328	101	34	100	87	73	64	22
329	101	53	100	87	73	64	20
330	102	11	102	87	73	64	23
331	102	30	100	87	73	64	22
332	102	49	100	87	73	65	20
333	103	7	99	87	73	65	20
334	103	26	100	87	73	65	22
335	103	45	100	86	73	64	21
336	104	3	100	87	73	63	24
337	104	22	100	87	73	65	24
338	104	40	100	87	73	64	21
339	104	59	100	87	73	65	22
340	105	18	100	87	73	64	22
341	105	36	100	87	73	65	22
342	105	55	100	87	73	65	21
343	106	14	100	86	73	64	26
344	106	32	100	87	73	66	24
345	106	51	100	87	73	64	21
346	107	10	102	87	73	64	23
347	107	28	104	81	94	46	17
348	107	47	103	75	95	45	18
349	108	6	103	75	94	46	17
350	108	24	100	81	80	55	18
351	108	43	102	85	84	66	21
352	109	1	*	85	84	52	19
353	109	20	102	68	88	46	17
354	109	39	101	76	88	52	20
355	109	57	100	72	89	51	20
356	110	16	101	76	*	51	18
357	110	35	100	76	88	51	18
358	110	53	100	76	88	51	19

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
81	81	61	21	68	23	63	110
81	81	60	20	71	20	63	108
81	81	61	20	68	24	65	108
81	81	59	19	62	24	62	107
81	81	60	18	59	23	63	108
82	81	63	20	65	23	62	108
81	81	51	18	63	24	65	60
87	72	58	21	63	26	65	84
82	88	51	19	56	25	66	58
90	74	64	22	66	24	66	125
88	72	66	22	63	25	67	134
86	72	66	21	60	25	67	134
87	72	66	20	65	24	68	134
87	72	66	20	62	23	66	133
86	73	65	20	61	22	64	134
87	73	64	23	61	23	65	133
87	73	66	20	67	22	63	133
87	73	65	21	62	25	63	135
87	73	64	22	65	24	63	133
87	73	64	20	66	24	63	133
87	73	64	23	55	23	63	134
87	73	64	22	66	25	63	134
87	73	65	20	62	23	64	134
87	73	65	20	63	24	65	133
87	73	65	22	68	21	64	134
86	73	64	21	58	23	63	134
87	73	63	24	66	24	63	135
87	73	65	24	57	23	64	132
87	73	64	21	68	21	62	134
87	73	65	22	60	24	63	134
87	73	64	22	55	23	64	134
87	73	65	22	58	24	63	134
87	73	65	21	60	22	64	132
86	73	64	26	64	23	65	134
87	73	66	24	64	23	65	133
87	73	64	21	60	22	66	134
87	73	64	23	61	23	64	135
81	94	46	17	69	24	66	43
75	95	45	18	61	25	64	44
75	94	46	17	63	24	65	45
81	80	55	18	65	23	64	74
85	84	66	21	68	25	62	130
85	84	52	19	63	23	64	65
68	88	46	17	62	24	64	44
76	88	52	20	64	24	64	83
72	89	51	20	71	24	64	67
76	*	51	18	67	22	63	67
76	80	51	18	64	22	63	67
76	88	51	19	63	26	64	68

1492

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
360	111	29	100	76	89	51	17
361	111	49	100	72	86	54	21
362	112	8	100	72	87	57	19
363	112	26	101	72	87	54	19
364	112	45	100	72	87	54	18
365	113	4	100	72	87	54	21
366	*	*	*	*	*	54	19
368	114	0	100	73	87	54	19
369	114	18	100	73	87	52	24
370	114	37	*	72	87	54	19
371	114	55	100	72	87	53	18
372	115	14	100	72	87	54	20
373	115	33	100	72	87	56	22
374	115	51	100	72	87	54	18
375	116	10	100	72	87	54	21
376	116	29	100	84	81	51	17
377	116	47	105	74	92	47	18
378	117	6	103	74	92	48	17
379	117	24	103	74	92	48	17
380	117	43	97	60	95	47	19
381	118	2	100	60	96	48	21
382	118	20	101	60	95	47	19
383	118	39	*	60	95	48	18
384	118	58	100	60	95	48	17
385	119	16	100	60	95	48	18
386	119	35	100	60	95	47	17
387	119	53	*	60	96	48	20
388	120	12	100	60	95	48	19
389	120	31	*	60	96	49	20
390	120	49	100	60	96	48	16
391	121	8	100	60	95	48	20
392	121	26	100	60	95	48	18
393	121	45	100	60	95	49	18
394	122	4	100	60	95	49	17
395	122	22	100	60	95	49	19
396	122	41	100	60	95	48	18
397	123	0	*	60	95	51	17
398	123	18	100	60	95	48	20
399	123	37	100	60	95	48	18
400	123	55	100	60	95	48	18
401	124	14	104	77	95	49	18
402	124	33	102	88	66	61	21
403	124	51	102	98	67	71	22
404	125	10	100	98	60	71	25
405	125	28	101	98	60	72	24
406	125	47	100	98	60	70	21
407	126	6	100	98	60	70	26
408	126	24	102	98	61	72	22
409	126	43	100	98	60	69	23
410	127	1	100	98	60	69	

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
76	89	51	17	65	23	62	68
72	86	54	21	63	23	62	68
72	87	57	19	65	24	64	69
72	87	54	19	66	23	62	68
72	87	54	18	63	24	63	69
72	87	54	21	64	25	64	68
*	*	54	19	68	24	64	68
73	87	54	19	68	22	63	68
73	87	52	24	72	24	63	66
72	87	54	19	64	22	63	66
72	87	53	18	68	27	63	68
72	87	54	20	68	23	64	67
72	87	56	22	66	23	63	66
72	87	54	18	67	23	64	66
72	87	54	21	65	25	63	66
84	81	51	17	63	24	62	65
74	92	47	18	58	26	65	42
74	92	48	17	65	26	65	43
74	92	48	17	60	25	63	44
60	95	47	19	60	23	64	43
60	96	48	21	66	22	65	43
60	95	47	19	66	23	64	43
60	95	48	18	66	24	65	44
60	95	48	17	66	24	64	43
60	95	48	18	67	24	64	45
60	95	47	17	75	25	64	43
60	96	48	20	66	26	62	44
60	95	48	19	71	23	64	44
60	96	49	20	64	24	65	44
60	96	48	16	60	23	63	42
60	95	48	20	72	24	63	43
60	95	48	18	65	25	63	46
60	95	49	18	71	24	63	43
60	95	49	17	68	25	63	43
60	95	49	19	71	23	63	44
60	95	49	18	71	23	63	44
60	95	51	17	64	26	66	44
60	95	48	20	72	23	63	43
60	95	48	18	63	24	62	44
60	95	48	18	67	26	61	44
77	95	49	18	66	24	64	46
86	66	61	21	75	22	63	100
98	67	71	22	61	23	64	145
98	60	71	25	63	23	63	149
98	60	72	24	68	24	63	149
98	60	70	21	55	24	65	150
98	60	70	26	58	25	64	150
98	61	72	22	66	25	63	149
98	60	69	23	68	26	63	150
98	60	69	23	57	24	63	150

1483

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
411	127	20	102	98	60	69	22
412	127	39	102	98	60	70	22
413	127	57	100	98	60	67	24
414	128	16	100	98	60	69	22
415	128	35	100	98	60	69	23
416	128	53	100	98	60	68	22
417	129	12	100	98	60	69	24
418	129	31	99	98	60	69	26
419	129	49	100	98	60	67	24
420	130	8	100	98	60	69	24
421	130	26	100	98	60	67	22
422	130	45	100	98	60	69	23
423	131	4	99	98	60	67	22
424	131	22	100	98	60	68	23
425	131	41	100	98	60	69	24
426	131	59	100	98	60	67	22
427	132	18	*	98	60	69	24
428	132	37	100	98	60	69	23
429	132	55	100	98	60	68	22
430	133	14	104	98	67	53	19
431	133	33	100	82	84	51	18
432	133	51	100	82	83	65	20
433	134	10	102	81	82	51	19
434	134	28	101	81	82	49	18
435	134	47	100	81	82	51	19
436	135	6	100	81	79	51	20
437	135	24	100	81	80	54	19
438	135	43	102	81	80	54	18
439	136	1	100	81	80	54	20
440	136	20	99	81	21	57	19
441	136	39	98	81	21	57	19
442	136	57	97	81	47	55	22
443	137	16	101	22	86	30	13
444	137	34	100	22	86	30	13
445	137	53	101	22	86	31	14
446	138	12	100	22	86	30	16
447	138	30	97	*	66	1	3
448	138	49	64	*	21	*	1
449	139	8	46	*	*	*	0
450	139	26	32	*	*	*	1
451	139	45	25	*	*	0	0
452	140	3	19	*	*	0	0
453	140	22	14	*	*	2	0
454	140	41	11	*	*	0	0
455	140	59	8	*	*	1	0
456	141	18	7	*	*	1	0
457	141	36	6	*	*	0	0
458	141	55	5	*	*	1	0
459	142	14	3	*	*	1	0
460	142	32	3	*	*	1	0

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
98	60	69	22	65	23	63	152
98	60	70	22	64	25	62	150
98	60	67	24	63	24	65	150
98	60	69	22	61	23	64	150
98	60	69	23	65	24	66	150
98	60	68	22	71	24	63	150
98	60	69	24	55	23	61	150
98	60	69	26	63	23	64	152
98	60	67	24	65	24	64	150
98	60	69	24	64	23	64	152
98	60	67	22	63	24	64	149
98	60	69	23	68	23	63	151
98	60	67	22	66	24	64	150
98	60	68	23	69	23	64	152
98	60	69	24	68	25	65	151
98	60	67	22	68	24	65	150
98	60	69	24	68	23	64	150
98	60	69	23	62	23	63	150
98	60	68	22	57	26	63	151
98	67	53	19	52	25	66	87
82	84	51	18	66	24	65	66
82	83	65	20	55	23	63	144
81	82	51	19	60	24	64	63
81	82	49	18	61	23	63	64
81	82	51	19	62	24	64	63
81	79	51	20	68	24	64	65
81	80	54	19	63	24	64	66
81	80	54	18	66	25	64	65
81	80	54	20	55	23	64	65
81	21	57	19	69	24	62	80
81	21	57	19	62	21	63	82
81	47	55	22	68	25	64	80
22	86	30	13	55	23	64	19
22	86	30	13	52	25	63	19
22	86	31	14	57	25	64	18
22	86	30	16	52	23	63	19
*	66	1	3	8	26	62	2
*	21	*	1	2	24	47	0
*	*	*	0	1	25	27	0
*	*	*	1	0	24	13	1
*	*	0	0	0	23	6	1
*	*	0	0	2	24	2	0
*	*	2	0	2	23	0	1
*	*	0	0	2	23	0	1
*	*	1	0	2	24	0	1
*	*	1	0	2	23	0	1
*	*	0	0	1	23	0	0
*	*	1	0	1	24	*	0
*	*	1	0	2	24	*	1
*	*	1	0	1	24	0	2

1494

2

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
461	142	51	2	*	*	2	0
462	143	9	5	*	*	7	5
463	143	28	3	*	*	0	1
464	143	47	2	*	*	*	1
465	144	5	4	*	*	0	0
466	*	*	*	*	*	*	*

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
*	*	2	0	0	24	*	1
*	*	7	5	2	24	0	3
*	*	0	1	1	21	0	2
*	*	*	1	2	25	*	1
*	*	0	0	1	23	*	2
*	*	*	*	*	*	*	0

1485

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2S
215	66	23	*	10	5	*	25	
216	66	42	*	10	5	*	20	
217	67	1	*	20	5	*	20	
218	67	20	*	5	20	*	50	
219	67	38	*	25	5	*	15	
220	67	57	*	5	15	*	15	
221	68	16	*	5	0	*	15	
222	68	34	*	15	5	*	5	
223	68	53	*	5	15	*	25	
224	69	12	*	10	20	*	5	
225	69	31	*	5	5	*	5	
226	69	49	*	10	0	*	0	
227	70	8	*	5	5	*	10	
228	70	27	*	5	5	*	25	
229	70	45	*	5	20	*	5	
230	71	4	*	5	0	*	5	
231	71	23	*	15	15	*	5	
232	71	41	*	0	15	*	20	
233	72	0	*	0	0	*	5	
234	72	19	*	15	0	*	15	
235	72	38	*	10	0	*	5	
236	72	56	*	0	0	*	0	
237	73	15	*	0	0	*	15	
238	73	34	*	10	15	*	15	
239	73	52	*	0	5	*	25	
240	74	11	*	0	15	*	15	
241	74	30	*	5	15	*	20	
242	74	48	*	5	20	*	5	
243	75	7	*	15	5	*	30	
244	75	26	*	5	0	*	5	
245	75	45	*	0	0	*	0	
246	76	5	*	15	0	*	15	
247	76	24	*	15	5	*	20	
248	76	43	*	10	10	*	0	
249	77	1	*	0	0	*	0	
250	77	20	*	0	20	*	10	
251	77	39	*	15	5	*	30	
252	77	57	*	0	20	*	50	
253	78	16	*	5	15	27	2960	
254	78	35	0	0	0	*	1745	
255	78	53	*	0	0	25	2955	
256	79	12	*	15	5	25	2995	
257	79	31	*	0	5	20	2920	
258	79	49	*	15	0	33	3020	
[illegible]	[illegible]	[illegible]	*	15	15	33	3000	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

2-06 AGE HYD. PUMP INLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
10	5	*	25	19	0	0	0	0
10	5	*	20	14	0	8	2	0
20	5	*	20	19	0	4	0	0
5	20	*	50	24	2	2	0	0
25	5	*	15	14	8	2	0	0
5	15	*	15	29	0	8	0	0
5	-	*	15	9	8	2	4	0
15	5	*	5	4	4	0	*	0
5	15	*	25	14	0	2	0	0
10	20	*	5	14	0	0	2	0
5	5	*	5	14	8	0	0	0
10	0	*	0	19	2	0	2	0
5	5	*	10	14	2	0	0	0
5	5	*	25	4	0	0	2	0
5	20	*	5	14	0	0	0	0
5	0	*	5	9	0	0	4	0
15	15	*	-	9	4	0	0	0
0	15	*	20	4	4	0	2	0
0	0	*	5	14	8	2	2	0
15	0	*	15	14	0	0	0	0
10	0	*	5	4	0	0	0	0
0	0	*	0	19	6	0	2	0
0	0	*	15	4	8	0	0	0
10	15	*	15	29	2	0	4	0
0	5	*	25	9	2	2	0	0
0	15	*	15	19	0	*	2	0
5	15	*	20	14	4	0	*	0
5	20	*	5	9	4	2	6	0
15	5	*	30	14	0	4	0	0
5	0	*	5	4	0	0	0	0
0	0	*	0	39	6	0	2	0
15	0	*	15	29	0	0	3	0
15	5	*	20	14	0	4	*	0
10	10	*	0	14	6	2	0	0
0	0	*	0	19	6	0	0	0
0	20	*	10	14	0	0	4	0
15	5	*	30	14	0	4	0	0
0	20	*	50	34	2	8	2	0
5	15	27	2880	2962	34	34	34	36
0	0	*	1745	*	1046	1049	36	28
0	0	25	2955	2947	1035	1033	35	27
15	5	25	2995	2917	1025	1033	40	27
0	5	20	2920	2952	1029	1035	36	29
15	0	33	3020	2942	1033	1029	36	28
5	15	33	3008	2947	1025	1029	26	27

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2
260	80	27	*	5	0	32	2945	
261	80	45	*	5	0	40	2880	
262	81	4	*	5	15	34	2990	
263	81	23	1	20	5	5	2675	
264	81	41	*	5	5	32	2990	
265	82	0	*	5	10	27	2950	
266	82	19	*	5	10	33	3020	
267	82	37	*	0	5	24	3050	
268	82	56	*	5	15	23	2970	
269	83	15	*	10	0	36	2825	
270	83	33	*	5	5	27	2955	
271	83	52	*	15	5	29	2885	
272	84	11	*	10	10	32	2955	
273	84	29	*	65	90	26	3020	
274	84	48	8	2668	2685	24	2950	
275	85	7	43	2920	10	36	3020	
276	85	25	35	2839	2836	20	2880	
277	85	44	31	2854	2861	36	2960	
278	86	3	32	2925	2961	21	2870	
279	86	21	42	2935	2971	40	2885	
280	86	40	29	2895	2961	31	2920	
281	87	0	25	2925	2971	38	2920	
282	87	18	32	3041	2916	32	2940	
283	87	37	32	2915	2961	19	2920	
284	87	56	40	2885	2971	26	2885	
285	88	14	34	3061	2921	27	2925	
286	88	33	32	3041	2971	24	2920	
287	88	52	30	2980	2961	29	2880	
288	89	10	32	3061	2966	22	3020	
289	89	29	30	2980	2961	20	2880	
290	89	48	32	3061	2961	22	3100	
291	90	6	32	3026	2976	33	3020	
292	90	25	21	2885	2906	39	2870	
293	90	44	35	3061	2971	33	2960	
294	91	2	31	2890	2926	27	2945	
295	91	21	29	2980	2931	21	2870	
296	91	40	22	2980	2931	21	2875	
297	91	58	38	2885	2906	27	2945	
298	92	17	32	3020	2921	14	2955	
299	92	36	26	2980	2891	22	2880	
300	92	54	32	2880	2926	31	2870	
301	93	13	32	3020	2971	23	2880	
302	93	32	21	2880	2926	27	2940	
303	93	50	26	2980	2891	21	2870	
304	94	9	21	2885	2926	33	2945	
305	94	27	30	2980	2931	27	2940	
306	94	46	37	3020	2961	26	2920	
307	95	5	30	2885	2906	32	3020	
308	95	23	31	3020	2961	24	2955	
309	95	42	21	2885	2956	32	30	

2-06 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
5	0	32	2945	2932	1021	1027	32	29
5	0	40	2880	2932	1029	1029	40	29
5	15	34	2990	2927	1021	1027	32	27
20	5	5	2675	3478	1035	1047	26	32
5	5	32	2990	2967	1025	1025	36	29
5	10	27	2950	2932	1019	1027	32	27
5	10	33	3020	2932	1015	1019	36	28
0	5	24	3050	2986	1015	1027	40	29
5	15	23	2970	2937	1015	1027	32	30
10	0	36	2825	2927	1021	1027	28	32
5	5	27	2955	2932	1021	1015	36	30
15	5	29	2885	2917	1021	1017	26	29
10	10	32	2955	2942	1013	1023	32	30
65	90	26	3020	2927	1015	1013	42	31
2668	2685	24	2950	2917	1011	1009	36	26
2920	10	36	3020	2917	1017	1021	26	31
2839	2836	20	2880	2808	1015	1017	26	30
2854	2861	36	2960	2932	1015	1017	26	32
2925	2961	21	2870	2917	1007	1011	40	29
2935	2971	40	2885	2932	1007	1007	30	30
2895	2961	31	2920	2902	1015	1011	38	30
2925	2971	38	2920	2897	1007	1015	38	26
3041	2916	32	2940	2912	1005	1009	36	30
2915	2961	19	2920	2887	1013	1009	36	30
2885	2971	26	2885	2902	1005	1013	24	28
3061	2921	27	2925	2912	1003	1007	26	28
3041	2971	24	2920	2942	1009	1011	28	30
2980	2961	29	2880	2917	1000	1013	22	31
3061	2966	22	3020	2897	1005	1009	26	27
2980	2961	20	2880	2892	1005	1007	24	30
3061	2961	22	3100	2872	1013	1007	26	29
3026	2976	33	3020	2922	1000	1009	32	29
2885	2906	39	2870	2932	1000	1013	28	30
3061	2971	33	2960	2932	994	1007	26	28
2890	2926	27	2945	2912	1000	1005	36	30
2980	2931	21	2870	2897	1009	1007	26	26
2980	2931	21	2875	2922	1005	1007	22	28
2885	2906	27	2945	2897	1000	1013	28	30
3020	2921	14	2955	2897	1005	1011	20	28
2980	2891	22	2880	2887	1000	1011	30	33
2880	2926	31	2870	2892	1003	1007	28	28
3020	2971	23	2880	2907	1000	1003	26	30
2880	2926	27	2940	2897	1009	1015	26	32
2980	2891	21	2870	2897	1000	1007	24	26
2885	2926	33	2945	2912	1005	1007	22	27
2980	2931	27	2940	2907	1000	1009	26	29
3020	2961	26	2920	2897	1003	1001	28	26
2885	2906	32	3020	2897	1000	1013	24	27
3020	2961	24	2955	2887	1000	1001	20	29
2885	2956	32	30[illegible]	2907	1003	1007	24	30

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
310	96	1	31	2885	2956	22	2920
311	96	19	32	2980	2891	31	2865
312	96	38	29	2890	2926	27	2940
313	96	57	32	3026	2971	29	2880
314	97	15	27	3066	2971	24	2880
315	97	34	33	2980	2891	25	2945
316	97	53	26	2885	2921	33	2940
317	98	11	30	2885	2926	40	2955
318	98	30	35	3031	2971	24	2940
319	98	49	36	2975	2961	32	3020
320	99	7	27	2970	2891	33	3000
321	99	26	34	3061	2976	27	2945
322	99	44	25	2980	2941	32	3000
323	100	3	33	2885	2956	24	2920
324	100	22	31	2885	2956	23	2960
325	100	40	27	3061	2951	33	3020
326	100	59	21	2880	2926	27	2945
327	101	18	29	2980	2941	40	2955
328	101	36	32	2980	2941	26	2945
329	101	55	40	2980	2961	32	2905
330	102	14	34	2980	2891	21	2870
331	102	32	40	2980	2981	26	2950
332	102	51	36	3026	2951	33	3020
333	103	10	28	2980	2931	28	2955
334	103	28	30	2900	2921	21	2870
335	103	47	30	2970	2891	33	3020
336	104	5	32	2965	2971	32	2950
337	104	24	35	3061	2926	32	2940
338	104	43	32	2980	2981	32	2920
339	105	1	26	2980	2971	32	2990
340	105	20	40	2980	2941	33	2955
341	105	39	32	2980	2941	26	2940
342	105	57	21	2880	2926	40	2960
343	106	16	33	2980	2961	26	2945
344	106	35	35	2965	2961	25	2945
345	106	53	30	2935	2921	21	2920
346	107	12	25	2930	2931	32	2870
347	107	31	22	2885	2906	31	2865
348	107	49	31	2885	2971	31	2940
349	108	8	17	2824	2961	23	2885
350	108	25	36	3026	2906	40	2885
351	108	45	29	2980	2961	20	3020
352	109	4	35	2970	2971	26	3000
353	109	22	28	2885	2956	33	2870
354	109	41	21	3026	2961	26	3000
355	11	0	31	2965	2961	27	2940
356	11	18	32	2980	2931	32	2920
357	11	37	21	2885	2971	22	2885
358	11	56	28	2880	2916	32	2945
359	111	14	34	2844	2956	20	2955

2-06 TAGE HYD. PUMP TLET RESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
885	2956	22	2920	2907	1007	1009	36	27
930	2891	31	2865	2912	1007	1009	30	28
890	2926	27	2940	2902	1007	1009	36	30
926	2971	29	2880	2902	1000	1007	32	28
066	2971	24	2880	2917	1007	1007	28	27
980	2891	25	2945	2897	1000	1007	26	27
885	2921	33	2940	2932	1005	1013	22	28
885	2926	40	2955	2922	1005	1007	30	26
031	2971	24	2940	2902	1000	1007	20	32
975	2961	32	3020	2897	1000	1013	22	29
970	2891	33	3000	2942	1007	1007	28	30
061	2976	27	2945	2922	1007	1009	28	28
980	2941	32	3000	2897	1003	1007	20	27
885	2956	24	2920	2892	1000	1013	26	28
885	2956	23	2960	2932	1007	1003	22	29
961	2951	33	3020	2932	1000	1009	36	28
980	2926	27	2945	2907	1011	1007	26	30
980	2941	40	2955	2917	1000	1007	26	28
980	2941	26	2945	2917	1000	1011	24	27
980	2961	32	2905	2897	1000	1007	26	29
980	2891	21	2870	2917	1007	1007	26	29
980	2981	26	2950	2912	1003	1001	28	27
026	2951	33	3020	2902	1007	1001	22	28
980	2931	28	2955	2917	1000	1007	28	27
900	2921	21	2870	2917	1003	1003	26	28
970	2891	33	3020	2932	1000	1007	36	30
965	2971	32	2950	2912	1000	1007	30	28
961	2926	32	2940	2902	1003	1007	24	30
980	2981	32	2920	2917	1000	1007	22	30
980	2971	32	2990	2922	1000	1007	26	30
980	2941	33	2955	2897	1000	1007	20	29
980	2941	26	2940	2907	1000	1009	22	27
980	2926	40	2960	2897	998	1007	24	26
980	2961	26	2945	2902	1009	1007	36	26
965	2961	25	2945	2887	1005	1007	24	25
935	2921	21	2920	2897	1000	1001	20	29
930	2931	32	2870	2912	1005	1011	24	30
885	2906	31	2865	2922	1000	1011	22	27
885	2971	31	2940	2887	1007	1007	30	32
824	2961	23	2885	2897	1007	1001	36	27
026	2906	40	2885	2907	1000	1009	22	30
980	2961	20	3020	2902	1003	1007	26	28
970	2971	26	3000	2932	1011	1009	28	25
885	2956	33	2870	2912	1000	1013	22	29
826	2961	26	3000	2922	1000	1009	32	32
965	2961	27	2940	2902	1000	1001	28	30
980	2931	32	2920	2867	1000	1011	14	30
885	2971	22	2885	2887	1030	1009	22	30
880	2916	32	2945	2912	1000	1005	26	30
944	2956	20	2955	2922	994	1011	24	29

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2S S C
360	111	33	35	2980	2926	32	2880	2
361	111	51	26	3026	2986	33	3020	2
362	112	10	29	2885	2906	32	2945	2
363	112	29	26	3061	2971	24	2880	2
364	112	47	21	2890	2926	40	2955	2
365	113	6	35	2824	2961	26	2945	2
366	113	43	34	2980	2931	32	3020	2
368	114	2	21	3041	2921	33	3000	2
369	114	21	27	2965	2961	21	2870	2
370	114	39	27	3061	2971	33	2870	2
371	114	58	32	3020	2941	32	2865	2
372	115	16	30	2930	2931	21	2885	2
373	115	35	29	2980	2931	27	2950	2
374	115	54	21	2885	2951	40	2955	2
375	116	12	21	2885	2956	24	2880	2
376	116	31	21	2915	2971	14	2925	2
377	116	49	40	2874	2971	26	2905	2
378	117	8	26	2824	2981	33	2940	2
379	117	27	27	3071	2936	40	2865	2
380	117	45	20	3020	2891	21	2960	2
381	118	4	29	2895	2961	26	2870	2
382	118	23	21	3020	2931	25	2870	2
383	118	41	21	3026	2921	29	2955	2
384	119	0	21	2880	2926	40	2955	2
385	119	18	25	2885	2926	26	2825	2
386	119	37	28	2970	2926	40	2945	2
387	119	56	26	2980	2931	40	2885	2
388	120	14	36	2965	2971	38	2870	2
389	120	33	21	2885	2951	40	2945	2
390	120	52	22	2885	2926	33	2870	2
391	121	10	29	2880	2926	32	3020	2
392	121	29	23	2885	2926	26	2940	2
393	121	47	30	2824	2941	21	2955	2
394	122	6	32	2980	2941	32	3020	2
395	122	25	22	3020	2926	40	2960	2
396	122	43	32	2980	2931	32	2945	2
397	123	2	22	3066	2971	21	2880	2
398	123	20	23	2980	2941	38	3020	2
399	123	39	25	2930	2961	32	3020	2
400	123	58	21	2885	2926	24	2885	2
401	124	16	25	2990	2956	31	2920	2
402	124	35	32	2980	3012	32	2870	2
403	124	54	30	3041	2981	26	2950	2
404	125	12	31	2980	2931	40	3005	2
405	125	31	29	2885	2971	32	2950	2
406	125	49	26	2960	2961	32	3020	2
407	126	8	32	3020	2971	40	2955	2
408	126	27	22	2890	2926	29	2880	2
409	126	45	41	2980	2971	23	2880	2
410	127	4	29	2980	2926	33	28	2

2-06 TAGE HYD. PUMP TLET RESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
980	2926	32	2880	2882	1007	1007	28	27
926	2966	33	3020	2912	994	1007	28	28
885	2906	32	2945	2897	1000	1011	22	30
061	2971	24	2880	2912	994	1007	24	29
890	2926	40	2955	2922	1003	1007	26	26
824	2961	26	2945	2897	1000	1001	24	29
980	2931	32	3020	2867	1007	1007	24	29
041	2921	33	3000	2922	998	1013	36	27
965	2961	21	2870	2912	1000	1011	22	29
061	2971	33	2870	2902	1000	1007	26	30
020	2941	32	2865	2907	1000	1003	30	27
930	2931	21	2885	2922	1005	1009	22	30
980	2931	27	2950	2902	1000	1007	28	30
885	2951	40	2955	2887	1005	1013	18	26
885	2956	24	2880	2887	1009	1007	16	30
915	2971	14	2925	2932	1007	1011	28	27
874	2971	26	2905	2887	1003	1011	20	28
824	2981	33	2940	2912	1007	1007	24	29
071	2936	40	2865	2932	1000	1001	30	27
020	2891	21	2960	2922	1007	1007	24	29
895	2961	26	2870	2902	1007	1009	28	28
920	2931	25	2870	2892	1000	1011	24	30
026	2921	29	2955	2932	1009	1007	20	26
880	2926	40	2955	2897	1000	1003	22	30
885	2926	26	2825	2902	1003	1005	30	27
970	2926	40	2945	2897	1000	1007	18	27
980	2931	40	2885	2892	1005	1007	32	28
865	2971	38	2870	2922	1007	1009	28	28
985	2951	40	2945	2932	1013	1007	24	29
885	2926	33	2870	2882	1005	1001	24	29
880	2926	32	3020	2907	996	1001	24	27
885	2926	26	2940	2902	1007	999	24	29
924	2941	21	2955	2887	1003	1011	26	31
980	2941	32	3020	2907	1000	1003	20	30
020	2926	40	2960	2892	1007	997	20	29
980	2931	32	2945	2902	1000	1003	20	30
966	2971	21	2880	2942	1007	1007	28	27
980	2941	38	3020	2907	1005	1011	26	29
930	2961	32	3020	2887	1005	1001	18	29
885	2926	24	2885	2902	1003	1007	24	32
890	2956	31	2920	2882	1000	999	28	30
880	3012	32	2870	2912	1000	1001	14	28
941	2981	26	2950	2937	1005	1013	26	27
880	2931	40	3005	2917	1003	1007	14	29
885	2971	32	2950	2917	1000	1007	26	27
960	2961	32	3020	2907	1005	1001	20	29
920	2971	40	2955	2887	1007	1007	26	30
890	2926	29	2880	2907	1005	1007	20	29
880	2971	23	2880	2897	1000	1009	30	31
880	2926	33	28	2942	1000	1003	22	28

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2S S C
411	127	22	40	3020	2926	25	2990	2
412	127	41	29	2980	2931	22	2880	2
413	128	0	25	2950	2926	40	2950	2
414	128	18	31	3066	2976	40	2955	2
415	128	37	29	2980	2941	21	3020	2
416	128	56	40	2970	2936	21	2920	2
417	129	14	26	2980	2961	34	2945	2
418	129	33	30	2885	2956	21	2865	2
419	129	51	21	2885	2961	40	2955	2
420	130	10	33	2980	3012	33	3000	2
421	130	29	33	2980	2931	34	2960	2
422	130	47	27	2885	2926	22	3020	2
423	131	6	29	2980	2941	21	3000	2
424	131	25	31	2885	2926	36	2945	2
425	131	43	28	3061	2956	27	2955	2
426	132	2	21	3041	2936	32	2950	2
427	132	20	29	2970	2971	32	2955	2
428	132	39	27	3020	2926	36	2955	2
429	132	58	30	2980	2941	27	2955	2
430	133	16	30	3031	2966	44	2970	2
431	133	35	22	2980	2956	33	2885	2
432	133	53	30	2980	2971	33	3020	2
433	134	12	21	2960	2936	20	2940	2
434	134	31	32	2980	2931	21	2880	2
435	134	49	26	2950	2926	21	2870	2
436	135	8	25	2885	2926	33	3020	2
437	135	27	29	2935	2971	32	3005	2
438	135	45	21	2970	2971	25	2880	2
439	136	4	34	2980	2961	40	3000	2
440	136	22	27	2965	2941	22	3000	2
441	136	41	27	2965	2941	40	2865	2
442	137	0	32	2965	2961	35	2980	2
443	137	18	32	2980	2906	26	3000	2
444	137	37	30	2885	2971	32	3000	2
445	137	55	23	2885	2981	40	2960	2
446	138	14	32	2885	2971	23	3020	2
447	138	33	34	2874	2951	32	3020	2
448	138	51	34	2895	2866	26	2955	2
449	139	10	42	2834	2916	40	2955	2
450	139	28	26	2774	2801	33	2990	2
451	139	47	31	2769	2771	20	3020	2
452	140	6	33	2648	2660	44	2880	2
453	140	24	31	2225	2223	32	2965	2
454	140	43	18	1560	1586	40	2920	1
455	141	1	14	1122	1144	32	2880	1
456	141	20	2	775	803	34	2965	1
457	141	39	10	619	642	40	3010	2
458	141	57	2	528	557	20	2875	1
459	142	16	0	387	401	27	2955	1
460	142	34	0	402	416	33	2955	1

2-06 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
3020	2926	25	2990	2947	1007	1009	26	30
2980	2931	22	2880	2907	1007	1007	30	27
2950	2926	40	2950	2897	1000	1005	28	29
3066	2976	40	2955	2932	1003	993	24	26
2980	2941	21	3020	2937	1007	1007	24	30
2970	2936	21	2920	2912	1003	1007	26	30
2980	2961	34	2945	2932	1003	1005	30	29
2885	2956	21	2865	2897	1003	1007	32	27
2885	2961	40	2955	2887	1003	1007	36	29
2980	3012	33	3000	2922	1005	1007	24	27
2980	2931	34	2960	2887	996	1007	40	27
2885	2926	22	3020	2917	1009	1007	26	30
2980	2941	21	3000	2922	1005	1007	32	28
2885	2926	36	2945	2912	1007	1003	30	26
3061	2956	27	2955	2892	1000	1007	22	29
3041	2936	32	2950	2902	1011	1007	22	27
2970	2971	32	2955	2897	1000	1011	26	29
3020	2926	36	2955	2912	1000	1009	22	27
2980	2941	27	2955	2902	1007	1003	24	27
3031	2966	44	2970	2912	1007	1007	28	29
2980	2956	33	2885	2932	1007	1007	26	30
2980	2971	33	3020	2937	1005	1009	18	32
2960	2936	20	2940	2942	1007	1015	24	27
2980	2931	21	2880	2887	1000	1015	22	26
2950	2926	21	2870	2932	1011	1007	24	29
2885	2926	33	3020	2952	1007	1005	26	28
2935	2971	32	3005	2932	16	8	36	30
2970	2971	25	2880	2932	14	16	28	29
2980	2961	40	3000	2932	24	14	26	28
2965	2941	22	3000	2917	12	6	32	32
2965	2941	40	2865	2917	20	16	24	31
2965	2961	35	2980	2932	22	10	28	29
2980	2906	26	3000	2947	16	14	28	29
2885	2971	32	3000	2952	24	8	22	29
2885	2981	40	2960	3305	1017	1013	20	30
2885	2971	23	3020	2912	1017	1009	32	26
2874	2951	32	3020	2907	1007	1011	26	30
2895	2866	26	2955	2897	1025	1015	22	29
2834	2916	40	2955	2887	1017	1017	24	29
2774	2801	33	2990	2947	20	14	24	30
2769	2771	20	3020	2952	20	18	22	29
2648	2660	44	2880	2942	14	8	34	25
2225	2223	32	2965	2937	10	14	30	32
1560	1586	40	2920	2942	14	20	26	31
1122	1144	32	2880	2942	18	8	28	30
775	803	34	2965	2887	28	14	24	29
619	642	40	3010	2932	12	14	32	30
528	557	20	2875	2937	20	14	24	29
387	401	27	2955	2932	18	6	32	27
402	416	33	2955	2912	16	22	22	32

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2 2ST H (SE CY P
461	142	53	2	140	185	22	3000	29
462	143	12	2	236	291	25	2950	29
463	143	30	8	352	401	44	2955	29
464	143	49	4	347	391	27	2990	28
465	144	8	4	443	466	27	2955	29
466	*	*	*	*	*	*	*	

2-06 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
140	185	22	3000	2917	20	12	24	24
236	291	25	2950	2922	20	14	40	23
352	401	44	2955	2907	22	16	26	2[illegible]
347	391	27	2990	2892	30	14	30	27
443	466	27	2955	2922	8	20	22	29
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
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-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
215	66	23	5	*
216	66	42	20	*
217	67	1	15	*
218	67	20	15	*
219	67	38	5	*
220	67	57	20	*
221	68	16	0	*
222	68	34	5	*
223	68	53	30	*
224	69	12	5	*
225	69	31	5	*
226	69	49	20	*
227	70	8	0	*
228	70	27	5	*
229	70	45	15	*
230	71	4	25	*
231	71	23	0	*
232	71	41	15	0
233	72	0	5	*
234	72	19	5	*
235	72	36	10	*
236	72	56	30	*
237	73	15	0	*
238	73	34	15	*
239	73	52	20	*
240	74	11	10	*
241	74	30	15	*
242	74	48	10	*
243	75	7	20	*
244	75	26	20	*
245	75	45	0	*
246	76	5	15	*
247	76	24	5	*
248	76	43	0	*
249	77	1	0	*
250	77	20	20	*
251	77	39	10	*
252	77	57	15	*
253	78	16	2863	1426
254	78	35	3030	1382
255	78	53	2878	1400
256	79	12	2929	1428
257	79	31	2999	1428
258	79	49	3131	1426
259	80	8	3030	1434

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
260	80	27	2913	1426
261	80	45	3019	1426
262	81	4	3141	1430
263	81	23	2979	1442
264	81	41	3004	1422
265	82	0	2913	1434
266	82	19	2918	1422
267	82	37	2954	1422
268	82	56	2929	1420
269	83	15	2984	1430
270	83	33	2918	1426
271	83	52	2964	1426
272	84	11	3080	1430
273	84	29	2908	1426
274	84	48	3030	1420
275	85	7	2913	1426
276	85	25	2979	1428
277	85	44	2969	1422
278	86	3	2929	1426
279	86	21	2969	1420
280	86	40	2969	1424
281	87	0	2868	1428
282	87	18	2908	1416
283	87	37	2913	1414
284	87	56	2944	1420
285	88	14	2934	1420
286	88	33	2929	1420
287	88	52	2979	1420
288	89	10	2934	1424
289	89	29	2929	1426
290	89	48	2949	1420
291	90	6	2949	1420
292	90	25	2949	1424
293	90	44	2908	1412
294	91	2	2949	1416
295	91	21	3030	1422
296	91	40	2959	1422
297	91	58	2979	1424
298	92	17	2908	1428
299	92	36	2934	1424
300	92	54	2878	1420
301	93	13	3030	1422
302	93	32	2934	1420
303	93	50	2939	1424
304	94	9	2929	1414
305	94	27	2979	1424
306	94	46	2949	1422
307	95	5	2994	1418
308	95	23	3131	1422
309	95	42	2934	1420

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
310	96	1	2954	1424
311	96	19	3030	1420
312	96	38	2989	1414
313	96	57	2898	1420
314	97	15	2979	1420
315	97	34	2954	1414
316	97	53	2949	1422
317	98	11	2888	1418
318	98	30	3030	1418
319	98	49	2939	1422
320	99	7	2989	1420
321	99	26	2949	1420
322	99	44	2923	1424
323	100	3	2979	1430
324	100	22	2918	1412
325	100	40	3030	1426
326	100	59	2949	1428
327	101	18	2969	1420
328	101	36	2959	1420
329	101	55	2969	1432
330	102	14	2979	1424
331	102	32	2954	1422
332	102	51	2969	1422
333	103	10	2873	1418
334	103	28	2929	1418
335	103	47	2934	1418
336	104	5	2923	1420
337	104	24	2929	1424
338	104	43	2954	1424
339	105	1	2929	1416
340	105	20	2954	1428
341	105	39	2918	1422
342	105	57	2893	1424
343	106	16	2934	1422
344	106	35	2979	1428
345	106	53	2969	1426
346	107	12	2929	1418
347	107	31	2949	1420
348	107	49	2913	1424
349	108	9	2903	1422
350	108	25	2949	1422
351	108	45	2918	1420
352	109	4	2929	1422
353	109	22	2934	1432
354	109	41	3030	1422
355	110	0	2929	1426
356	110	18	2969	1430
357	110	37	2954	1426
358	110	56	3030	1422
359	111	14	3030	1426

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
360	111	33	2929	1420
361	111	51	2918	1418
362	112	10	3030	1422
363	112	29	2918	1418
364	112	47	2979	1424
365	113	6	2949	1424
366	113	43	2939	1422
368	114	2	2949	1422
369	114	21	3035	1426
370	114	39	2903	1424
371	114	58	2979	1420
372	115	16	2959	1422
373	115	35	2979	1414
374	115	54	2954	1426
375	116	12	3035	1424
376	116	31	2944	1422
377	116	49	2959	1424
378	117	8	2929	1418
379	117	27	2979	1420
380	117	45	2939	1414
381	118	4	2949	1422
382	118	23	2944	1428
383	118	41	2929	1422
384	119	0	2929	1424
385	119	18	2949	1420
386	119	37	2959	1426
387	119	56	2934	1420
388	120	14	3019	1416
389	120	33	2929	1418
390	120	52	3030	1426
391	121	10	2944	1428
392	121	29	3035	1416
393	121	47	2999	1420
394	122	6	2969	1424
395	122	25	2954	1424
396	122	43	2929	1420
397	123	2	2939	1418
398	123	20	2908	1430
399	123	39	2979	1422
400	123	58	2999	1422
401	124	16	2969	1414
402	124	35	2959	1420
403	124	54	2944	1434
404	125	12	2964	1420
405	125	31	3035	1424
406	125	49	2893	1414
407	126	8	3030	1412
408	126	27	2893	1422
409	126	45	3004	1426
410	127	4	2939	1428

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
411	127	22	2934	1428
412	127	41	2954	1422
413	128	0	2984	1426
414	128	18	2893	1418
415	128	37	3030	1414
416	128	56	3004	1424
417	129	14	2954	1420
418	129	33	2939	1410
419	129	51	2944	1420
420	130	10	2883	1420
421	130	29	3009	1414
422	130	47	3030	1420
423	131	6	2999	1414
424	131	25	2929	1420
425	131	43	2918	1420
426	132	2	2918	1412
427	132	20	3019	1408
428	132	39	2893	1412
429	132	58	2893	1416
430	133	16	2903	1406
431	133	35	2969	1406
432	133	53	2989	1412
433	134	12	2944	1412
434	134	31	2853	1404
435	134	49	2888	1422
436	135	8	2888	1420
437	135	27	3019	1422
438	135	45	3030	1424
439	136	4	2934	1426
440	136	22	3030	1422
441	136	41	2934	1428
442	137	0	2934	1420
443	137	18	2964	1426
444	137	37	3030	1420
445	137	55	2939	1422
446	138	14	2878	1420
447	138	33	3080	1420
448	138	51	2944	1426
449	139	10	2893	1422
450	139	28	2903	1420
451	139	47	2913	1428
452	140	6	2929	1422
453	140	24	3131	1428
454	140	43	2918	1420
455	141	1	2944	1420
456	141	20	2929	1414
457	141	39	2888	1426
458	141	57	2934	1430
459	142	16	2939	1422
460	142	34	2964	1414

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
461	142	53	3131	1424
462	143	12	2843	1422
463	143	30	2949	1420
464	143	49	2812	1422
465	144	8	2949	1420
466	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1 C
215	66	28	42	42	41	39	78	
216	66	47	43	42	41	39	78	
217	67	5	42	42	41	38	77	
218	67	24	42	42	40	38	77	
219	67	43	42	42	40	39	77	
220	68	2	42	42	41	38	77	
221	68	20	42	41	41	38	77	
222	68	39	42	41	41	38	77	
223	68	58	42	41	41	38	77	
224	69	17	42	41	41	38	76	
225	69	35	42	41	40	38	76	
226	69	54	42	41	41	38	76	
227	70	13	42	41	41	38	76	
228	70	31	43	42	41	39	76	
229	70	50	43	42	41	39	76	
230	71	9	42	42	41	40	76	
231	71	27	43	43	41	40	76	
232	71	46	43	42	41	40	76	
233	72	5	42	42	41	40	76	
234	72	23	42	42	40	40	76	
235	72	42	42	42	41	40	75	
236	73	1	42	42	41	40	76	
237	73	20	42	42	41	40	75	
238	73	38	42	42	41	40	76	
239	73	57	42	42	41	40	75	
240	74	16	42	42	41	40	75	
241	74	34	42	42	41	40	75	
242	74	53	42	42	41	40	75	
243	75	12	42	42	41	40	75	
244	75	30	42	41	41	39	75	
245	75	49	42	41	41	39	75	
246	76	10	42	42	42	40	74	
247	76	28	42	42	42	41	74	
248	76	47	42	42	42	40	74	
249	77	6	43	42	42	40	74	
250	77	25	43	42	42	40	74	
251	77	43	43	42	42	40	74	
252	78	2	42	43	42	40	74	
253	78	21	42	44	43	40	74	
254	78	39	41	42	41	40	74	
255	78	58	43	42	43	41	73	
256	79	17	43	42	44	41	73	
257	79	35	43	42	43	41	73	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

4-06 -PLT OSHD IDE PER R H G.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
42	41	39	78	78	70	92	72	79
42	41	39	78	77	70	91	72	79
42	41	38	77	77	70	91	72	79
42	40	38	77	77	71	91	72	79
42	40	39	77	76	71	91	72	79
42	41	38	77	77	70	91	72	79
41	41	38	77	77	70	91	72	78
41	41	38	77	77	71	91	72	78
41	41	38	77	77	71	91	72	78
41	41	38	76	76	71	91	72	78
41	40	38	76	76	70	91	72	78
41	41	38	76	76	70	91	71	78
41	41	38	76	76	70	90	71	78
42	41	39	76	76	70	90	72	78
42	41	39	76	76	70	90	72	78
42	41	40	76	76	70	90	72	78
43	41	40	76	76	70	90	72	78
42	41	40	76	76	70	90	72	78
42	41	40	76	76	70	89	71	77
42	40	40	76	75	70	89	71	77
42	41	40	75	75	70	89	71	76
42	41	40	76	75	70	89	71	77
42	41	40	75	75	69	89	71	77
42	41	40	76	75	69	88	71	76
42	41	40	75	75	70	88	71	76
42	41	40	75	75	69	89	71	76
42	41	40	75	75	69	88	71	76
42	41	40	75	75	70	88	71	76
42	41	40	75	75	69	88	71	76
41	41	39	75	75	70	88	71	76
41	41	39	75	75	69	88	71	76
42	42	40	74	74	69	88	71	75
42	42	41	74	74	69	88	71	76
42	42	40	74	74	69	87	71	75
42	42	40	74	74	70	87	71	75
42	42	40	74	74	69	86	70	75
42	42	40	74	73	69	86	71	75
43	42	40	74	73	69	83	70	75
44	43	40	74	73	69	78	81	75
42	41	40	74	73	69	85	87	75
42	43	41	73	73	70	85	90	81
42	44	41	73	73	69	87	91	83
42	43	41	73	73	69	89	93	86
43	41	39	73	73	70	90	96	88
42	40	38	73	73	70	93	98	92

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1S OU D
260	80	31	42	42	43	38	73	
261	80	50	43	41	42	39	73	
262	81	9	42	40	40	39	73	
263	81	27	42	42	39	38	73	
264	81	46	43	41	40	39	73	
265	82	5	42	41	39	38	73	
266	82	23	42	41	42	40	73	
267	82	42	41	41	41	38	73	
268	83	1	42	40	39	39	73	
269	83	19	41	42	42	39	72	
270	83	38	41	42	41	39	73	
271	83	57	43	41	41	40	73	
272	84	15	40	42	40	41	72	
273	84	34	42	42	43	40	73	
274	84	53	42	40	40	40	71	
275	85	11	41	43	43	39	71	
276	85	30	42	42	43	38	75	
277	85	49	42	41	40	38	76	
278	86	7	42	41	39	36	78	
279	86	26	41	42	39	38	80	
280	86	45	44	41	43	41	82	
281	87	4	42	42	41	41	83	
282	87	23	44	42	43	39	85	
283	87	42	44	41	43	41	86	
284	88	0	45	41	42	41	88	
285	88	19	43	44	44	42	89	
286	88	38	44	45	42	39	91	
287	88	56	43	45	43	40	91	
288	89	15	43	45	44	42	91	
289	89	34	45	44	45	44	92	
290	89	52	45	44	45	44	93	
291	90	11	44	45	42	41	92	
292	90	30	44	44	41	41	93	
293	90	48	45	43	43	42	94	
294	91	7	46	44	44	44	94	
295	91	26	47	44	44	43	94	
296	91	44	44	46	45	43	94	
297	92	3	44	46	44	44	94	
298	92	22	46	48	45	45	95	
299	92	40	45	47	46	45	95	
300	92	59	48	45	45	45	95	
301	93	17	45	46	44	44	94	
302	93	36	46	46	44	43	95	
303	93	55	45	47	45	44	95	
304	94	13	45	48	45	44	95	
305	94	32	45	48	46	45	95	
306	94	51	46	48	46	44	95	
307	95	9	46	48	45	44	95	
308	95	28	49	45	44	44	95	
309	95	47	48	46	46	46		

4-06 -PLT DSHD SIDE PPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
42	43	38	73	73	69	93	99	94
41	42	39	73	74	69	95	101	97
40	40	39	73	72	70	97	103	100
42	39	38	73	72	70	98	103	100
41	40	39	73	72	69	101	106	101
41	39	38	73	73	70	100	107	103
41	42	40	73	73	69	101	108	105
41	41	38	73	73	72	102	109	106
40	39	39	73	73	70	102	109	107
42	42	39	72	73	71	104	110	108
42	41	39	73	73	71	106	112	110
41	41	40	73	73	71	105	113	111
42	40	41	72	73	71	106	114	112
42	43	40	73	73	71	107	114	112
40	40	40	71	75	72	108	116	114
43	43	39	71	77	71	109	116	115
42	43	38	75	79	71	109	116	116
41	40	38	76	81	71	110	117	115
41	39	38	78	85	71	109	117	116
42	39	38	80	89	71	109	116	116
41	43	41	82	92	73	110	117	117
42	41	41	83	95	75	111	117	118
42	43	39	85	96	76	110	117	118
41	43	41	86	99	77	110	117	119
41	42	41	88	100	78	111	118	118
44	44	42	89	101	78	111	116	119
45	42	39	91	102	78	111	117	118
45	43	40	91	102	79	111	116	119
45	44	42	91	103	79	112	115	119
44	45	44	92	104	78	112	116	120
44	45	44	93	105	78	111	116	119
45	42	41	92	105	79	111	116	118
44	41	41	93	106	79	111	115	119
43	43	42	94	106	78	112	116	119
44	44	44	94	105	79	112	116	119
44	44	43	94	106	78	112	116	119
46	45	43	94	107	79	112	116	119
46	44	44	94	108	79	112	115	119
48	45	45	95	108	78	112	115	120
47	46	45	95	107	79	112	115	120
45	45	45	95	107	79	112	116	119
46	44	44	94	108	79	112	115	119
46	44	43	95	108	79	112	115	119
47	45	44	95	108	79	112	115	120
48	45	44	95	107	79	112	115	119
48	46	45	95	108	78	112	116	120
48	46	44	95	108	79	112	116	119
48	45	44	95	108	79	113	116	120
46	44	44	95	108	80	112	116	119
46	46	46	96	108	79	113	116	119

66111

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1 0
310	96	5	49	45	45	44	95	
311	96	24	46	48	46	45	96	
312	96	43	48	48	48	47	96	
313	97	1	49	49	48	47	96	
314	97	20	48	47	45	44	95	
315	97	39	48	49	47	46	96	
316	97	57	47	49	48	47	96	
317	98	16	47	49	48	45	96	
318	98	35	49	47	48	46	96	
319	98	53	50	46	46	45	96	
320	99	12	48	46	45	45	96	
321	99	30	49	49	48	46	96	
322	99	49	49	48	48	48	96	
323	100	8	51	46	46	48	96	
324	100	26	48	46	46	45	96	
325	100	45	48	49	46	45	96	
326	101	4	48	49	46	45	96	
327	101	22	48	49	46	45	96	
328	101	41	50	48	48	48	96	
329	102	0	48	49	46	45	96	
330	102	18	48	49	46	45	96	
331	102	37	50	49	49	48	96	
332	102	56	49	49	50	48	96	
333	103	14	48	49	47	45	96	
334	103	33	48	47	46	47	96	
335	103	51	48	50	47	45	96	
336	104	10	51	48	48	48	96	
337	104	29	49	47	47	47	96	
338	104	47	49	51	48	47	96	
339	105	6	48	51	49	48	96	
340	105	25	49	51	49	48	95	
341	105	43	51	48	48	49	96	
342	106	2	51	48	49	49	97	
343	106	21	49	51	49	48	96	
344	106	39	50	50	49	48	96	
345	106	58	48	51	49	49	96	
346	107	17	48	49	47	48	95	
347	107	39	49	50	46	48	96	
348	107	54	48	48	48	48	96	
349	108	12	48	49	46	46	96	
350	108	31	48	49	47	45	97	
351	108	50	51	48	49	49	98	
352	109	8	50	49	48	48	96	
353	109	27	49	50	47	46	96	
354	109	46	49	49	48	46	96	
355	110	4	50	51	49	49	96	
356	110	23	49	50	49	49	96	
357	110	42	48	50	49	49	96	
358	111	0	49	50	49	49	96	
359	111	19	49	50	49	48	95	

4-06 -PLT DSHD SIDE PPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
45	45	44	95	108	79	112	116	119
48	46	45	96	108	79	113	115	119
48	48	47	96	108	79	113	117	119
49	48	47	96	108	78	113	116	120
47	45	44	95	108	79	113	116	119
49	47	46	96	109	79	113	116	120
49	48	47	96	107	79	112	117	120
49	48	45	96	109	79	113	118	120
47	48	46	96	109	80	114	118	120
46	46	45	96	108	80	113	118	120
46	45	45	96	108	81	113	117	119
49	48	46	96	109	81	113	117	120
48	48	48	96	109	80	114	117	120
46	46	48	96	109	80	114	117	120
46	46	45	96	109	81	113	117	120
49	46	45	96	109	80	115	117	120
49	46	45	96	110	80	114	118	120
49	46	45	96	109	81	114	118	120
48	48	48	96	110	79	115	117	120
49	46	45	96	109	80	114	117	120
49	46	45	96	109	80	113	117	120
49	49	48	96	110	79	114	116	121
49	50	48	96	109	79	113	117	120
49	47	45	96	109	79	113	118	120
47	46	47	96	109	80	114	117	120
50	47	45	96	109	79	113	117	121
48	48	48	96	109	78	115	117	120
47	47	47	96	109	78	114	116	121
51	48	47	96	110	79	114	117	120
51	49	48	96	109	79	114	117	121
51	49	48	95	109	80	115	117	121
48	48	49	96	108	79	114	117	120
48	49	49	97	109	79	114	118	121
51	49	48	96	109	78	115	117	121
50	49	48	96	109	79	115	117	120
51	49	49	96	109	78	115	118	122
49	47	48	95	108	78	114	118	120
50	46	48	96	109	79	112	118	121
48	48	48	96	109	81	114	118	121
49	46	46	96	108	80	114	119	121
49	47	45	97	109	80	115	119	120
48	49	49	98	109	79	115	118	121
49	48	48	96	108	80	113	119	120
50	47	46	96	108	79	113	118	120
49	48	46	96	108	79	114	117	120
51	49	49	96	109	79	114	116	120
50	49	49	96	108	79	113	115	120
50	49	49	96	108	78	114	116	119
50	49	49	96	108	77	113	116	120
50	49	48	95	108	78	113	115	120

1500

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4 1ST P OUT H T DE
360	111	37	49	49	49	48	95	1
361	111	56	49	49	46	47	96	1
362	112	15	52	48	49	49	95	1
363	112	33	51	48	49	49	95	1
364	112	52	50	51	50	48	94	1
365	113	11	49	47	48	46	93	1
366	113	48	48	49	46	46	93	1
368	114	5	50	48	49	48	93	1
369	114	25	48	49	47	46	93	1
370	114	44	48	48	46	46	93	1
371	115	2	49	48	46	46	93	1
372	115	21	48	49	49	48	93	1
373	115	40	51	47	47	47	93	1
374	115	58	48	48	46	46	92	1
375	116	17	48	49	48	48	92	1
376	116	35	50	48	49	47	92	1
377	116	54	50	48	49	46	92	1
378	117	13	49	50	48	45	92	1
379	117	31	49	50	46	47	93	1
380	117	50	49	46	48	48	93	1
381	118	9	48	49	49	48	93	1
382	118	27	48	48	48	48	93	1
383	118	46	48	48	45	45	92	1
384	119	4	48	46	46	47	93	1
385	119	23	48	46	46	45	92	1
386	119	42	48	48	48	48	92	1
387	120	0	48	49	48	47	92	1
388	120	19	48	49	48	47	91	1
389	120	38	49	47	48	48	91	1
390	120	56	48	49	48	47	91	1
391	121	15	46	48	47	46	90	1
392	121	33	49	46	46	46	91	1
393	121	52	47	48	48	47	91	1
394	122	11	49	47	48	48	90	1
395	122	29	48	47	49	48	90	1
396	122	48	46	48	47	45	89	1
397	123	6	47	47	46	45	89	1
398	123	25	47	46	46	48	91	1
399	123	44	46	48	46	45	89	1
400	124	2	46	48	46	45	89	1
401	124	21	45	49	48	48	89	1
402	124	40	48	45	46	48	89	1
403	124	58	46	49	48	45	89	1
404	125	17	47	48	46	48	89	1
405	125	35	48	47	48	46	89	1
406	125	54	46	49	48	46	89	1
407	126	13	48	45	47	48	90	1
408	126	31	47	49	47	45	89	1
409	126	50	46	48	46	45	89	1
410	127	8	47	46	46	45	89	1

4-06 PLT DSHD SIDE PPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
49	49	48	95	107	77	113	115	120
49	46	47	96	108	76	114	115	120
48	49	49	95	107	76	113	115	120
48	49	49	95	107	76	113	116	120
51	50	48	94	107	76	113	115	120
47	48	46	93	106	75	113	115	119
49	46	46	93	106	75	112	116	119
48	49	48	93	105	75	113	115	118
49	47	46	93	106	74	113	115	120
48	46	46	93	106	75	112	115	118
48	46	46	93	105	74	113	115	118
49	49	48	93	105	73	113	115	118
47	47	47	93	104	73	112	115	119
48	46	46	92	104	74	112	114	118
49	48	48	92	105	73	113	114	118
48	49	47	92	105	73	110	115	118
48	49	46	92	105	75	112	115	118
50	48	45	92	105	76	113	116	118
50	46	47	93	106	76	112	116	119
46	48	48	93	104	76	112	116	118
49	49	48	93	105	75	112	116	118
48	48	48	93	105	76	113	116	117
48	45	45	92	105	76	112	115	118
46	46	47	93	105	75	112	115	118
46	46	45	92	105	74	112	113	118
48	48	48	92	104	73	112	115	118
49	48	47	92	105	73	113	113	118
49	48	47	91	105	73	112	113	118
47	48	48	91	104	73	112	114	118
49	48	47	91	103	72	112	113	118
48	47	46	90	104	72	112	114	118
46	46	46	91	103	73	112	114	118
48	48	47	91	103	72	112	114	118
47	48	48	90	103	73	112	114	118
47	49	48	90	103	72	111	115	117
48	47	45	89	103	71	111	113	118
47	46	45	89	102	72	112	113	118
46	46	48	91	102	71	112	113	117
48	46	45	89	102	72	112	113	118
46	46	45	89	102	72	113	113	118
49	48	48	89	102	71	109	113	119
45	46	48	89	103	71	110	113	117
49	48	45	89	102	72	111	113	117
48	46	48	89	102	73	111	114	118
47	48	46	89	102	73	110	114	118
49	48	46	89	102	71	111	113	116
45	47	48	90	101	71	111	113	117
49	47	45	89	102	72	111	113	117
48	46	45	89	103	72	111	113	116
46	46	45	89	103	71	110	112	116

1501

4-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	13 OU D
411	127	27	45	49	49	48	89	
412	127	46	47	48	49	47	89	
413	128	4	47	45	46	47	89	
414	128	23	48	48	48	48	89	
415	128	42	48	46	48	46	89	
416	129	0	48	48	48	45	89	
417	129	19	47	48	49	46	89	
418	129	37	46	48	49	45	89	
419	129	56	48	46	46	43	89	
420	130	15	45	48	48	45	89	
421	130	33	46	48	47	42	88	
422	130	52	46	47	46	43	88	
423	131	11	46	46	46	43	88	
424	131	29	46	46	46	43	88	
425	131	48	49	46	49	45	89	
426	132	6	45	49	49	44	88	
427	132	25	47	48	49	44	88	
428	132	44	48	48	49	45	87	
429	133	2	48	48	49	44	88	
430	133	21	48	48	46	45	88	
431	133	39	46	49	48	44	88	
432	133	58	48	46	48	45	88	
433	134	17	47	46	49	44	89	
434	134	35	45	48	48	44	89	
435	134	54	45	48	47	43	89	
436	135	13	47	48	47	43	90	
437	135	31	45	48	46	42	91	
438	135	50	47	45	46	45	92	
439	136	8	47	48	48	43	92	
440	136	27	48	48	48	41	95	
441	136	46	46	46	45	44	93	
442	137	4	47	48	48	42	93	
443	137	23	45	47	46	41	93	
444	137	41	48	45	45	42	95	
445	138	0	45	49	48	44	94	
446	138	19	46	48	48	43	95	
447	138	37	46	45	45	42	95	
448	138	56	46	46	44	42	96	
449	139	14	47	47	48	43	96	
450	139	33	46	48	48	43	96	
451	139	52	47	46	48	44	97	
452	140	10	45	48	48	42	96	
453	140	29	48	45	45	42	97	
454	140	47	46	46	45	42	98	
455	141	6	48	46	45	43	98	
456	141	25	45	48	47	41	96	
457	141	43	46	47	48	42	96	
458	142	2	45	46	45	42	96	
459	142	20	45	47	46	41	95	
460	142	39	46	47	48	42	95	

10	4-06	4-07	4-08	4-09	4-10	4-11	4-12	4-14	4-15
GE	-PLT	CENTER	CENTER	1STAGE	1STAGE	1STAGE	2STAGE	2STAGE	2STAGE
MP	DSHD	PANEL	PANEL	PUMP	PUMP	AFT	PUMP	AFT	AFCS 1
ET	SIDE	WNDSHD	WNDSHD	INLET	OUTLET	SERVO	INLET	SERVO	(COLL.
D.	PPER	INSIDE	INSIDE	HYD.	HYD.	HYD IN	HYD.	HYD IN	/YAW
MP	R H	LWR C	UPR C	TEMP	TEMP	TEMP	TEMP	TEMP	CHAN)
.C	EG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
1	49	49	48	89	101	71	110	112	117
3	48	49	47	89	103	70	111	112	116
2	45	46	47	89	102	71	111	112	117
1	48	48	48	89	101	71	111	113	116
2	46	48	48	89	102	70	110	113	116
1	48	48	45	89	101	70	110	112	117
1	48	49	46	89	101	70	110	113	116
1	48	49	45	89	101	70	111	112	116
1	46	46	43	89	101	70	111	112	116
1	48	48	45	89	101	70	110	112	116
1	48	47	42	88	101	70	111	112	116
2	47	46	43	88	102	70	110	112	116
1	46	46	43	88	101	71	110	113	115
2	46	46	43	88	102	71	109	112	115
1	46	49	45	89	101	70	110	112	116
1	49	49	44	88	101	70	111	112	116
1	48	49	44	88	101	71	110	112	116
2	48	49	45	87	102	70	109	112	116
1	48	49	44	88	101	70	110	112	116
1	48	46	45	88	101	71	109	112	115
1	49	48	44	88	101	71	109	113	116
1	46	48	45	88	101	72	109	113	114
0	46	49	44	89	100	72	107	113	115
1	48	48	44	89	101	71	108	112	115
2	48	47	43	89	102	72	109	112	115
2	48	47	43	90	102	73	110	113	115
3	48	46	42	91	103	73	109	113	113
3	45	46	45	92	103	73	109	114	112
3	48	48	43	92	103	75	110	115	110
4	48	48	41	95	104	75	111	116	109
5	46	45	44	93	105	76	110	118	108
5	48	48	42	93	105	77	112	118	106
6	47	46	41	93	106	78	113	119	105
7	45	45	42	95	107	78	113	120	103
6	49	48	44	94	106	78	114	121	102
6	48	48	43	95	106	78	111	119	109
6	45	45	42	95	106	78	111	117	112
5	46	44	42	96	105	79	111	118	113
4	47	48	43	96	104	79	112	118	115
5	48	48	43	96	105	78	111	117	112
3	46	48	44	97	103	78	113	120	111
4	48	48	42	96	104	79	114	122	110
4	45	45	42	97	104	81	116	125	110
3	46	45	42	98	103	81	117	126	109
1	46	45	43	98	101	81	119	127	109
1	48	47	41	96	101	82	119	129	108
1	47	48	42	96	101	82	122	130	108
99	46	45	42	96	99	82	122	132	107
99	47	46	41	95	99	82	124	133	106
99	47	48	42	95	99	82	126	134	105

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1S OU D
461	142	58	46	46	44	43	94	
462	143	16	46	46	44	42	93	
463	143	35	45	45	47	41	93	
464	143	54	47	48	44	44	92	
465	144	12	45	46	45	43	92	
466	*	*	*	*	*	*	*	

4-06 -PLT OSHD SIDE PPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
46	44	43	94	98	82	127	136	105
46	44	42	93	98	82	128	137	104
45	47	41	93	98	82	129	137	103
48	44	44	92	97	82	130	138	103
46	45	43	92	96	82	132	140	102
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
215	66	28	70	72	71	76	65
216	66	47	70	71	71	76	65
217	67	5	70	71	71	76	65
218	67	24	69	71	71	76	65
219	67	43	70	71	71	76	65
220	68	2	69	71	71	76	65
221	68	20	69	71	70	75	65
222	68	39	70	71	71	75	65
223	68	58	69	71	71	75	65
224	69	17	69	71	70	75	65
225	69	35	69	71	70	75	65
226	69	54	69	71	70	75	65
227	70	13	69	70	70	75	65
228	70	31	69	71	70	75	65
229	70	50	69	71	70	75	65
230	71	9	69	71	70	75	65
231	71	27	69	71	70	75	65
232	71	46	69	71	70	75	65
233	72	5	69	71	70	75	65
234	72	23	69	71	70	74	65
235	72	42	69	70	69	75	64
236	73	1	68	70	70	74	65
237	73	20	68	70	69	74	65
238	73	38	68	70	69	74	65
239	73	57	69	70	69	74	65
240	74	16	68	70	69	74	65
241	74	34	69	70	69	73	65
242	74	53	68	70	69	73	65
243	75	12	68	70	69	74	64
244	75	30	68	70	69	74	65
245	75	49	68	70	69	74	64
246	76	10	69	70	69	73	64
247	76	28	68	69	68	73	65
248	76	47	68	69	68	74	65
249	77	6	68	69	68	73	65
250	77	25	68	69	68	73	65
251	77	43	68	69	68	73	65
252	78	2	68	73	73	73	66
253	78	21	69	72	79	72	65
254	78	39	72	72	79	72	65
255	78	58	80	71	81	73	63
256	79	17	85	70	79	73	64
257	79	35	89	71	79	73	63
258	79	54	91	72	79	72	64
259	80	13	94	71	81	72	64

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
72	71	76	65	66	79	76	71	72
71	71	76	65	66	79	77	72	72
71	71	76	65	67	79	77	72	72
71	71	76	65	66	78	77	72	71
71	71	76	65	66	78	76	71	71
71	71	76	65	66	79	76	71	71
71	70	75	65	66	78	76	71	71
71	71	75	65	66	78	76	71	71
71	71	75	65	66	78	76	71	71
71	70	75	65	66	78	76	71	71
71	70	75	65	66	78	76	71	71
71	70	75	65	67	78	76	71	71
70	70	75	65	67	78	76	71	71
71	70	75	65	66	78	77	71	72
71	70	75	65	66	78	77	71	71
71	70	75	65	66	78	76	71	71
71	70	75	65	66	78	76	71	71
71	70	75	65	66	78	76	71	71
71	70	75	65	66	78	76	70	71
71	70	74	65	66	78	76	70	71
70	69	75	64	66	78	76	70	70
70	70	74	65	66	78	76	70	71
70	69	74	65	66	78	76	70	71
70	69	74	65	66	77	76	70	70
70	69	74	65	66	77	76	70	70
70	69	74	65	66	77	75	70	70
70	69	73	65	66	77	75	70	70
70	69	73	65	66	77	75	70	70
70	69	74	64	66	77	75	70	70
70	69	74	65	66	77	75	70	70
70	69	74	64	66	77	75	70	70
70	69	73	64	66	77	75	69	70
69	68	73	65	66	77	75	69	69
69	68	74	65	66	77	75	69	70
69	68	73	65	66	77	75	69	70
69	68	73	65	66	76	75	69	69
69	68	73	65	66	77	75	69	69
73	73	73	66	64	77	75	75	69
72	79	72	65	62	77	75	79	70
72	79	72	65	58	77	74	82	70
71	81	73	63	64	77	75	83	71
70	79	73	64	64	76	76	85	71
71	79	73	63	64	76	75	87	71
72	79	72	64	64	76	75	90	73
71	81	72	64	64	76	75	91	73

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4 ROT RUD UT IN T OE
260	80	31	96	71	81	74	64	
261	80	50	98	71	82	73	65	
262	81	9	99	74	82	73	64	
263	81	27	101	73	83	74	64	
264	81	46	101	75	84	73	64	
265	82	5	104	75	83	74	65	
266	82	23	105	75	83	75	65	
267	82	42	106	75	85	75	64	
268	83	1	107	75	85	75	65	
269	83	19	109	75	86	75	65	
270	83	38	110	77	86	75	65	
271	83	57	110	77	87	75	64	
272	84	15	111	77	86	75	65	
273	84	34	112	80	84	76	64	
274	84	53	113	82	86	76	63	
275	85	11	113	83	88	76	63	
276	85	30	113	83	91	75	61	
277	85	49	115	82	91	76	61	
278	86	7	114	82	90	76	59	
279	86	26	116	82	90	76	60	
280	86	45	115	82	91	77	61	
281	87	4	116	82	89	78	60	
282	87	23	116	85	90	78	60	
283	87	42	115	85	92	78	60	
284	88	0	116	86	93	79	61	
285	88	19	116	85	93	79	60	
286	88	38	116	85	95	79	61	
287	88	56	117	84	94	79	61	
288	89	15	118	83	95	78	62	
289	89	34	117	83	95	79	62	
290	89	52	117	83	95	79	62	
291	90	11	117	82	94	80	62	
292	90	30	117	82	94	81	62	
293	90	48	116	81	93	80	62	
294	91	7	116	81	94	80	62	
295	91	26	116	81	93	79	61	
296	91	44	118	8	93	81	61	
297	92	3	117	81	93	80	61	
298	92	22	117	80	93	80	62	
299	92	40	117	80	92	81	62	
300	92	59	117	80	92	81	61	
301	93	17	117	79	92	81	62	
302	93	36	117	79	92	81	62	
303	93	55	117	79	92	81	63	
304	94	13	117	79	91	81	61	
305	94	32	117	79	92	81	62	
306	94	51	118	79	92	81	62	
307	95	9	118	79	91	81	62	
308	95	28	117	79	91	81	62	
309	95	47	118	78	91	82		

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
71	81	74	64	65	76	75	92	73
71	82	73	65	64	76	75	93	73
74	82	73	64	64	76	75	95	75
73	83	74	64	66	76	76	94	75
75	84	73	64	67	76	75	93	74
75	83	74	65	66	76	76	95	75
75	83	75	65	67	76	77	96	75
75	85	75	64	68	76	75	96	76
75	85	75	65	67	77	76	98	75
75	86	75	65	69	78	76	97	76
77	86	75	65	68	77	78	98	75
77	87	75	64	69	77	77	97	76
77	86	75	65	68	77	80	99	77
80	84	76	64	68	79	80	104	91
82	86	76	63	69	78	78	101	85
83	88	76	63	70	78	79	99	79
83	91	75	61	66	78	79	99	79
82	91	76	61	68	78	79	100	80
82	90	76	59	66	78	80	100	79
82	90	76	60	66	78	79	101	80
82	91	77	61	67	78	80	100	80
82	89	78	60	67	82	85	110	93
85	90	78	60	66	81	83	109	93
85	92	78	60	66	81	83	105	85
86	93	79	61	65	81	82	104	84
85	93	79	60	65	82	82	103	83
85	95	79	61	65	81	82	104	82
84	94	79	61	65	81	83	104	80
83	95	78	62	65	81	82	103	79
83	95	79	62	65	81	82	104	80
83	95	79	62	65	81	83	105	78
82	94	80	62	65	81	82	104	78
82	94	81	62	65	81	82	103	79
81	93	80	62	64	80	83	103	79
81	94	80	62	63	81	82	103	79
81	92	79	61	63	80	82	103	78
81	93	81	61	63	81	82	103	78
81	93	80	61	62	81	82	103	78
80	93	80	62	63	81	82	102	77
80	92	81	62	62	81	82	103	78
80	92	81	61	63	81	82	102	78
79	92	81	62	63	81	82	102	78
79	92	81	62	62	80	82	102	76
79	92	81	63	64	81	81	101	76
79	91	81	61	63	81	81	102	77
79	92	81	62	63	80	82	102	77
79	92	81	62	62	80	81	101	77
79	91	81	62	62	80	81	101	77
79	91	81	62	62	79	81	101	77
78	91	82	62	63	80	81	102	76

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
310	96	5	117	78	91	81	62
311	96	24	117	78	91	81	62
312	96	43	117	78	90	82	62
313	97	1	117	78	90	81	63
314	97	20	118	78	90	82	61
315	97	39	117	78	89	82	62
316	97	57	118	77	90	82	62
317	98	16	118	78	90	82	63
318	98	35	118	78	90	82	62
319	98	53	117	78	90	82	62
320	99	12	116	78	90	83	62
321	99	30	116	78	91	82	63
322	99	49	117	78	90	82	62
323	100	8	117	78	89	82	62
324	100	26	118	78	89	83	62
325	100	45	117	78	90	83	62
326	101	4	117	78	89	83	63
327	101	22	117	78	90	82	63
328	101	41	117	78	90	83	63
329	102	0	118	78	91	83	63
330	102	18	118	78	89	83	62
331	102	37	119	78	90	83	62
332	102	56	119	78	90	83	62
333	103	14	119	78	90	83	62
334	103	33	118	78	90	83	62
335	103	51	118	78	91	82	63
336	104	10	119	77	90	83	62
337	104	29	119	77	89	83	62
338	104	47	119	78	89	83	62
339	105	6	118	78	89	83	63
340	105	25	119	78	89	83	62
341	105	43	119	78	89	83	63
342	106	2	118	77	89	84	63
343	106	21	118	77	90	83	63
344	106	39	119	77	89	85	61
345	106	58	119	77	89	83	62
346	107	17	118	77	89	83	62
347	107	35	118	77	89	83	63
348	107	54	118	77	89	83	62
349	108	12	118	78	89	84	63
350	108	31	116	78	90	83	62
351	108	50	117	78	89	85	62
352	109	8	118	78	89	83	62
353	109	27	117	76	90	84	63
354	109	46	118	77	90	84	62
355	110	4	117	77	89	83	62
356	110	23	117	77	89	85	61
357	110	42	117	76	89	83	60
358	111	0	116	77	88	83	59
359	111	19	117	76	88	84	61

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
78	91	81	62	62	80	81	101	76
78	91	81	62	62	79	81	101	76
78	90	82	62	63	80	80	101	77
78	90	81	63	62	81	81	101	77
78	90	82	61	62	80	80	100	78
78	89	82	62	62	79	80	101	77
77	90	82	62	63	80	80	102	77
78	90	82	63	62	80	81	101	79
78	90	82	62	62	80	81	102	79
78	90	82	62	63	80	81	102	78
78	90	83	62	62	81	80	101	78
78	91	82	63	63	79	80	101	77
78	90	82	62	64	80	81	101	77
78	89	82	62	63	80	81	101	78
78	89	83	62	62	80	80	101	78
78	90	83	62	63	80	81	101	78
78	89	83	63	62	80	85	102	77
78	90	82	63	62	80	81	102	77
78	90	83	63	62	80	81	101	76
78	91	83	63	62	80	80	100	77
78	89	83	62	63	79	80	101	77
78	90	83	62	63	79	80	101	77
78	90	83	62	62	79	81	101	77
78	90	83	62	63	79	80	101	78
78	90	83	62	62	79	80	102	76
78	91	82	63	62	80	80	101	78
77	90	83	62	62	79	79	100	77
77	89	83	62	62	80	80	101	76
78	89	83	62	62	79	80	101	77
78	89	83	63	62	80	80	101	76
78	89	83	62	62	79	79	102	77
78	89	83	63	63	79	80	101	76
77	89	84	63	62	78	80	100	77
77	90	83	63	63	78	79	101	76
77	89	85	61	63	79	80	101	76
77	89	83	62	62	79	79	100	76
77	89	83	62	62	79	79	100	75
77	89	83	63	62	79	79	101	76
77	89	83	62	62	79	80	101	78
78	89	84	63	63	79	79	101	79
78	90	83	62	63	80	79	101	78
78	89	85	62	64	79	80	101	77
78	89	83	62	63	79	80	101	77
78	90	84	63	63	79	80	101	77
77	90	84	62	62	80	79	102	76
77	89	83	62	62	79	79	101	74
77	89	85	61	62	78	80	100	75
76	89	83	60	62	79	78	101	73
77	88	83	59	62	78	79	101	74
76	88	84	61	61	76	79	101	74

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	RO RU U I D
360	111	37	117	76	88	84	60	
361	111	56	118	75	88	84	59	
362	112	15	116	75	88	85	60	
363	112	33	117	75	88	84	59	
364	112	52	118	74	88	84	59	
365	113	11	116	73	87	83	58	
366	113	48	116	73	86	83	58	
368	114	5	117	73	86	83	59	
369	114	25	116	73	86	83	58	
370	114	44	117	72	85	83	57	
371	115	2	117	72	85	85	59	
372	115	21	116	72	85	83	56	
373	115	40	116	72	85	83	57	
374	115	58	115	72	85	83	57	
375	116	17	115	72	85	82	57	
376	116	35	115	72	85	82	56	
377	116	54	116	73	85	83	58	
378	117	13	115	73	85	83	58	
379	117	31	115	73	85	83	58	
380	117	50	114	73	84	82	59	
381	118	9	115	73	85	82	58	
382	118	27	115	73	85	83	58	
383	118	46	116	73	85	82	58	
384	119	4	115	73	85	82	58	
385	119	23	116	73	85	82	56	
386	119	42	115	72	84	81	57	
387	120	0	116	72	85	82	58	
388	120	19	114	72	83	82	56	
389	120	38	115	72	83	82	57	
390	120	56	115	71	84	82	58	
391	121	15	115	72	83	82	57	
392	121	33	116	71	84	82	57	
393	121	52	116	71	83	81	56	
394	122	11	115	71	83	82	58	
395	122	29	114	70	83	81	57	
396	122	48	115	70	83	81	57	
397	123	6	115	71	83	81	57	
398	123	25	115	70	82	81	56	
399	123	44	115	70	82	81	56	
400	124	2	115	70	82	81	56	
401	124	21	114	70	82	81	57	
402	124	40	115	70	82	81	58	
403	124	58	113	69	82	81	57	
404	125	17	113	70	83	82	56	
405	125	35	112	70	82	81	57	
406	125	54	115	70	81	81	56	
407	126	13	114	69	82	81	57	
408	126	31	114	70	82	81	57	
409	126	50	114	70	81	81	56	
410	127	8	114	69	81	81		

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
76	88	84	60	62	78	79	100	74
75	88	84	59	61	78	78	101	72
75	88	85	60	61	78	78	100	72
75	88	84	59	61	77	78	100	71
74	88	84	59	61	77	78	100	70
73	87	83	58	60	78	78	99	72
73	86	83	58	59	77	76	99	72
73	86	83	59	60	76	77	99	72
73	86	83	58	59	76	76	99	72
72	85	83	57	59	76	76	99	71
72	85	85	59	59	76	75	97	70
72	85	83	56	59	76	75	98	69
72	85	83	57	59	76	76	98	70
72	85	83	57	59	75	76	98	70
72	85	82	57	59	75	75	97	71
72	85	82	56	58	75	76	97	73
73	85	83	58	58	76	75	98	75
73	85	83	58	58	76	76	98	75
73	85	83	58	58	76	76	97	76
73	84	82	59	59	76	76	97	74
73	85	82	58	59	76	76	98	73
73	85	83	58	59	76	77	96	73
73	85	82	58	59	75	76	97	72
73	85	82	58	59	75	76	98	71
73	85	82	58	59	75	76	96	70
72	84	81	57	59	75	76	96	71
72	85	82	58	59	75	75	96	71
72	83	82	56	59	75	75	96	70
72	83	82	57	58	75	75	96	70
71	84	82	58	59	75	75	96	70
72	83	82	57	59	75	74	96	71
71	84	82	57	58	74	75	96	70
71	83	81	56	58	74	74	96	69
71	83	82	58	59	73	74	96	69
70	83	81	57	57	73	74	96	69
70	83	81	57	58	74	73	95	70
71	83	81	57	58	73	74	95	68
70	82	81	58	58	74	73	95	69
70	82	81	56	57	73	73	95	68
70	82	81	56	57	74	73	95	68
70	82	81	57	57	73	73	95	70
70	82	81	58	58	73	74	96	7[illegible]
69	82	81	57	58	73	73	96	7[illegible]
70	83	82	58	58	73	73	96	70
70	82	81	57	58	73	73	95	69
70	81	81	56	58	73	73	95	69
69	82	81	57	57	73	73	96	69
70	82	81	57	58	73	73	96	70
70	81	81	56	58	73	72	95	71
69	81	81	57	57	73	73	95	68

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	RO RU U I D
411	127	27	113	69	81	81	56	
412	127	46	113	69	81	81	56	
413	128	4	113	69	82	81	56	
414	128	23	114	69	81	81	56	
415	128	42	113	69	81	81	55	
416	129	0	114	69	81	80	56	
417	129	19	113	69	81	80	56	
418	129	37	114	69	81	80	56	
419	129	56	114	69	81	79	56	
420	130	15	113	69	81	80	55	
421	130	33	113	68	81	80	55	
422	130	52	113	69	81	79	56	
423	131	11	112	69	81	79	56	
424	131	29	113	69	80	79	55	
425	131	48	113	68	81	80	55	
426	132	6	113	69	82	79	57	
427	132	25	112	68	81	79	56	
428	132	44	113	68	81	79	56	
429	133	2	113	69	81	79	56	
430	133	21	113	69	81	79	55	
431	133	39	112	69	81	79	56	
432	133	58	110	69	81	79	56	
433	134	17	110	69	81	78	56	
434	134	35	110	69	81	80	56	
435	134	54	110	69	81	79	57	
436	135	13	111	70	82	80	56	
437	135	31	107	71	82	79	56	
438	135	50	103	71	82	80	57	
439	136	8	101	71	82	80	56	
440	136	27	98	71	82	79	58	
441	136	46	96	72	82	80	56	
442	137	4	95	72	83	79	57	
443	137	23	93	72	83	80	58	
444	137	41	92	73	85	79	57	
445	138	0	92	73	84	80	58	
446	138	19	106	72	82	80	58	
447	138	37	109	70	81	80	58	
448	138	56	111	71	81	81	59	
449	139	14	112	72	82	81	59	
450	139	33	107	72	82	82	58	
451	139	52	104	72	83	81	59	
452	140	10	103	72	83	82	59	
453	140	29	101	73	83	81	60	
454	140	47	100	74	84	82	59	
455	141	6	98	75	85	82	60	
456	141	25	96	75	86	83	60	
457	141	43	96	76	86	82	60	
458	142	2	95	76	87	83	61	
459	142	20	95	77	88	82	61	
460	142	39	93	78	88	82	61	

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCh. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
69	81	81	56	58	72	72	95	68
69	81	81	56	56	73	72	95	70
69	82	81	56	58	73	72	96	69
69	81	81	56	58	73	72	95	69
69	81	81	55	56	72	72	95	69
69	81	80	56	57	72	72	94	68
69	81	80	56	57	72	72	94	69
69	81	80	56	56	72	72	95	68
69	81	79	56	56	71	72	94	69
69	81	80	55	56	72	71	94	68
68	81	80	55	56	71	72	95	68
69	81	79	56	56	71	72	94	68
69	81	79	56	56	72	72	94	68
69	80	79	55	57	71	71	95	68
68	81	80	55	57	71	72	95	67
69	82	79	57	56	71	72	94	68
68	81	79	56	56	71	72	95	67
68	81	79	56	56	71	71	95	68
69	81	79	56	56	72	71	94	69
69	81	79	55	56	72	72	94	69
69	81	79	56	56	72	72	93	72
69	81	79	56	56	71	72	95	71
69	81	78	56	56	72	72	93	71
69	81	80	56	56	72	72	95	73
69	81	79	57	58	72	72	94	74
70	82	80	56	58	72	73	93	74
71	82	79	56	58	73	73	95	74
71	82	80	57	58	72	74	95	74
71	82	80	56	58	73	73	95	76
71	82	79	58	59	72	74	95	76
72	82	80	56	59	74	75	94	75
72	83	79	57	59	73	74	95	75
72	83	80	58	59	74	75	96	75
73	85	79	57	60	73	75	95	75
73	84	80	58	60	74	75	96	75
72	82	80	58	59	75	75	96	76
70	81	80	58	60	75	75	96	74
71	81	81	59	60	75	76	96	75
72	82	81	59	61	75	75	96	75
72	82	82	58	59	76	74	95	75
72	83	81	59	61	75	75	95	76
72	83	82	59	60	76	75	96	78
73	83	81	60	60	74	76	96	77
74	84	82	59	61	76	75	97	79
75	85	82	60	62	75	77	98	79
75	86	83	60	61	76	76	98	79
76	86	82	60	62	75	76	99	81
76	87	83	61	62	76	78	99	81
77	88	82	61	63	77	77	99	82
78	88	82	61	64	76	78	100	82

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	RC RU (1 (
461	142	58	92	78	88	83	61	
462	143	16	92	82	88	83	61	
463	143	35	91	84	90	83	61	
464	143	54	91	86	92	84	62	
465	144	12	91	89	93	84	62	
466	*	*	*	*	*	*	*	

-2	4-17	4-18	4-19	4-20	4-21	4-22	4-23	4-24	4-25
AR	UTIL.	UTIL.	UTIL	ROTARY	ROTARY	WINCH	WINCH	UTIL.	UTIL.
DE	PUMP	PUMP	AFCS 2	RUDDER	RUDDER	PUMP	PUMP	HEAT	HEAT
IL.	INLET	OUTLET	(PITCH	1STAGE	UTIL.	SERVO	OUTLET	EXCH.	EXCH.
LE	HYD.	HYD.	/ ROLL	INLET	INLET	INLET	TEMP	INLET	OUTLET
EMP	TEMP	TEMP	CHAN)	TEMP	TEMP	HYD.	HYD.	HYD.	HYD.
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
64	78	88	83	61	64	78	82	102	88
64	82	88	83	61	64	80	81	108	96
65	84	90	83	61	65	81	84	105	88
66	86	92	84	62	66	85	84	112	99
65	89	93	84	62	65	81	82	109	93
*	*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	E N. CO I C
215	66	30	88	71	91	61	81	
216	66	49	88	71	91	61	81	
217	67	8	89	71	91	61	81	
218	67	26	88	71	91	61	80	
219	67	45	88	71	91	61	80	
220	68	4	88	71	91	61	80	
221	68	23	88	71	91	61	80	
222	68	41	88	71	91	61	80	
223	69	0	88	71	91	61	80	
224	69	19	88	71	91	61	80	
225	69	37	88	71	90	61	80	
226	69	56	88	71	91	62	80	
227	70	15	88	71	90	61	79	
228	70	34	88	71	91	62	79	
229	70	52	88	71	90	62	80	
230	71	11	88	71	90	62	79	
231	71	30	88	71	90	62	79	
232	71	48	87	71	90	62	79	
233	72	7	87	71	90	62	79	
234	72	26	87	71	89	62	79	
235	72	44	87	71	89	62	79	
236	73	3	88	71	89	62	78	
237	73	22	87	70	89	62	79	
238	73	40	87	71	89	61	78	
239	73	59	87	70	89	61	78	
240	74	18	87	70	89	61	78	
241	74	37	86	70	89	61	78	
242	74	55	88	70	88	62	78	
243	75	14	87	70	89	61	78	
244	75	33	87	70	88	61	78	
245	75	51	86	70	88	62	78	
246	76	12	87	70	87	62	78	
247	76	31	87	70	88	62	77	
248	76	49	86	70	88	62	77	
249	77	8	86	70	87	62	77	
250	77	27	86	70	88	62	77	
251	77	45	86	70	87	62	77	
252	78	4	87	71	87	62	77	
253	78	23	86	70	87	61	76	
254	78	41	86	69	88	61	77	
255	79	0	86	69	87	62	76	
256	79	19	86	70	86	62	77	
257	79	37	86	70	86	62	76	
258	79	56	86	70	86	62	77	
259	80	15	86	68	87	62	76	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
71	91	61	81	82	83	83	78	110
71	91	61	81	83	83	83	78	110
71	91	61	81	82	83	83	78	110
71	91	61	80	82	83	83	78	110
71	91	61	80	82	83	83	78	110
71	91	61	80	82	83	83	78	110
71	91	61	80	82	83	83	78	110
71	91	61	80	82	82	83	78	109
71	91	61	80	82	83	83	78	109
71	91	61	80	81	82	83	78	109
71	90	61	80	81	82	83	78	109
71	91	62	80	81	82	83	78	108
71	90	61	79	81	82	82	78	108
71	91	62	79	81	82	83	78	109
71	90	62	80	81	82	82	78	108
71	90	62	79	81	82	83	78	108
71	90	62	79	81	82	82	78	108
71	90	62	79	81	82	82	78	108
71	90	62	79	81	82	82	78	107
71	89	62	79	80	82	82	78	107
71	89	62	79	80	82	82	78	106
71	89	62	78	80	81	82	77	106
70	89	62	79	80	81	82	78	106
71	89	61	78	80	81	82	77	106
70	89	61	78	80	81	82	77	106
70	89	61	78	80	81	82	77	105
70	89	61	78	79	81	82	77	105
70	88	62	78	79	81	82	77	105
70	89	61	78	80	80	82	77	105
70	88	61	78	79	80	81	77	105
70	88	62	78	79	80	81	77	104
70	87	62	78	79	80	81	76	103
70	88	62	77	78	80	81	77	103
70	88	62	77	79	80	81	76	104
70	87	62	77	78	80	81	76	103
70	88	62	77	78	80	81	76	102
70	87	62	77	78	80	81	76	102
71	87	62	77	78	79	81	76	104
70	87	61	76	78	79	81	76	101
69	88	61	77	78	79	81	76	101
69	87	62	76	78	79	82	75	102
70	86	62	77	78	79	81	76	102
70	86	62	76	78	79	79	75	102
70	86	62	77	78	79	81	76	102
68	87	62	76	78	79	81	76	101

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	N C
260	80	33	86	69	87	61	75	
261	80	52	85	69	86	62	76	
262	81	11	86	69	85	62	76	
263	81	29	88	69	86	61	76	
264	81	48	86	68	86	62	75	
265	82	7	86	69	86	61	76	
266	82	25	86	68	86	62	76	
267	82	44	85	69	85	61	76	
268	83	3	85	68	86	62	76	
269	83	21	86	69	86	62	75	
270	83	40	86	69	86	61	75	
271	83	59	86	69	85	62	75	
272	84	17	85	70	85	62	76	
273	84	36	85	99	80	62	76	
274	84	55	86	102	98	63	76	
275	85	13	92	102	97	62	79	
276	85	32	94	104	96	62	80	
277	85	51	95	106	96	60	79	
278	86	9	95	110	92	54	81	
279	86	28	95	115	92	50	82	
280	86	47	93	116	92	46	84	
281	87	7	93	117	94	45	86	
282	87	25	93	117	96	45	89	
283	87	44	95	119	96	45	90	
284	88	2	96	119	96	44	91	
285	88	21	96	118	96	45	91	
286	88	41	96	120	97	44	92	
287	88	18	96	121	97	44	92	
288	89	17	97	123	98	42	93	
289	89	36	98	123	99	43	93	
290	89	54	99	124	99	43	94	
291	90	13	99	125	100	43	94	
292	90	32	100	125	100	42	95	
293	90	50	100	125	101	42	95	
294	91	9	99	126	101	42	96	
295	91	28	100	126	101	42	96	
296	91	46	101	127	102	42	96	
297	92	5	101	127	102	43	96	
298	92	24	101	127	101	42	97	
299	92	42	101	129	102	42	97	
300	93	1	101	129	102	42	98	
301	93	20	101	129	102	42	96	
302	93	38	101	128	101	42	97	
303	93	57	101	128	102	42	96	
304	94	16	102	128	102	42	97	
305	94	34	102	128	102	42	97	
306	94	53	101	128	102	42	97	
307	95	12	102	128	102	42	97	
308	95	30	101	129	102	41	97	
309	95	49	101	129	101	42		

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
69	87	61	75	78	78	81	76	100
69	86	62	76	77	79	79	75	101
69	85	62	76	78	78	79	76	101
69	86	61	76	77	78	80	76	100
68	86	62	75	78	79	79	75	101
69	86	61	76	77	78	80	76	100
68	86	62	76	78	79	79	76	100
69	85	61	76	77	79	81	75	100
68	86	62	76	77	78	80	75	100
69	86	62	75	77	81	81	75	100
69	86	61	75	77	78	80	76	99
69	85	62	75	77	78	79	75	99
70	85	62	76	78	78	79	75	99
99	80	62	76	76	78	79	74	98
102	98	63	76	82	78	79	75	99
102	97	62	79	83	78	79	75	99
104	96	62	80	85	77	80	75	98
106	96	60	79	85	78	79	75	99
110	92	54	81	86	77	79	74	98
115	92	50	82	92	77	79	74	98
116	92	46	84	*	*	*	76	99
117	94	45	86	102	78	79	101	75
117	96	45	89	103	79	85	106	91
119	96	45	90	106	80	86	108	89
119	96	44	91	108	81	90	109	89
118	96	45	91	109	85	96	110	90
120	97	44	92	110	86	100	112	91
121	97	44	92	111	89	105	112	92
123	98	42	93	113	91	108	113	93
123	99	43	93	114	92	110	116	95
124	99	43	94	115	95	113	116	96
125	100	43	94	116	96	114	119	97
125	100	42	95	118	96	117	119	97
125	101	42	95	119	98	117	120	98
126	101	42	96	119	98	119	122	99
126	101	42	96	119	98	119	122	99
127	102	42	96	120	100	120	123	100
127	102	43	96	120	99	121	123	101
127	101	42	97	121	100	122	124	100
129	102	42	97	120	101	123	123	100
129	102	42	98	120	101	123	123	101
129	102	42	96	120	101	123	124	101
128	101	42	97	120	101	123	124	101
128	102	42	96	121	101	124	125	101
128	102	42	97	120	102	124	125	102
128	102	42	97	121	101	125	125	102
128	102	42	97	121	102	124	125	101
128	102	42	97	122	102	125	125	102
129	102	41	97	121	102	126	125	102
129	101	42	[illegible]	121	102	125	126	102

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	E N. CC I C
310	96	8	101	130	102	42	97	
311	96	26	101	128	102	42	98	
312	96	45	102	129	102	42	96	
313	97	3	101	129	101	43	97	
314	97	22	102	129	102	42	97	
315	97	41	102	129	102	42	97	
316	97	59	102	128	102	43	98	
317	98	18	102	128	102	44	98	
318	98	37	101	127	101	43	98	
319	98	55	101	128	101	44	96	
320	99	14	102	129	102	41	96	
321	99	33	102	130	103	41	99	
322	99	51	103	131	104	42	98	
323	100	10	103	132	105	40	98	
324	100	29	103	133	105	41	98	
325	100	47	105	133	105	41	99	
326	101	6	105	133	106	41	99	
327	101	24	105	133	106	42	99	
328	101	43	106	134	106	41	98	
329	102	2	106	135	107	41	99	
330	102	20	106	134	106	41	99	
331	102	39	106	135	108	41	99	
332	102	58	107	136	106	41	100	
333	103	16	106	135	107	40	101	
334	103	35	107	136	107	42	99	
335	103	54	106	136	106	41	100	
336	104	12	106	136	106	41	101	
337	104	31	106	136	107	42	101	
338	104	50	107	135	107	42	100	
339	105	8	107	137	107	42	100	
340	105	27	107	136	107	41	101	
341	105	45	107	136	107	41	101	
342	106	4	106	135	108	41	100	
343	106	23	107	136	107	42	101	
344	106	41	107	136	107	41	100	
345	107	0	106	136	107	42	99	
346	107	19	105	136	107	41	99	
347	107	37	105	133	105	42	101	
348	107	56	105	130	103	43	99	
349	108	15	103	128	101	44	97	
350	108	33	102	126	99	44	97	
351	108	52	101	127	100	43	94	
352	109	11	100	128	100	42	95	
353	109	29	100	125	96	43	94	
354	109	48	98	123	96	44	93	
355	110	6	96	122	93	44	91	
356	110	25	95	119	92	44	90	
357	110	44	93	118	91	44	89	
358	111	2	93	117	91	44	88	
359	111	21	91	116	90	44	88	

5-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
NG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
OLER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
LET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
130	102	42	97	122	102	125	125	102
128	102	42	98	121	102	125	125	102
129	102	42	96	122	102	125	126	103
129	101	43	97	121	102	126	126	102
129	102	42	97	122	102	125	125	102
129	102	42	97	122	103	126	126	101
128	102	43	98	121	103	126	125	103
128	102	44	98	120	103	125	125	102
127	101	43	98	120	102	123	124	101
128	101	44	96	120	100	123	122	100
129	102	41	96	121	100	122	122	98
130	103	41	99	122	100	122	120	97
131	104	42	98	123	99	121	120	98
132	105	40	98	123	99	122	120	97
133	105	41	98	124	99	121	119	97
133	105	41	99	125	98	121	118	97
133	106	41	99	126	99	120	118	97
133	106	42	99	126	99	120	117	96
134	106	41	98	127	98	120	118	96
135	107	41	99	126	98	120	118	96
134	106	41	99	126	98	120	117	96
135	108	41	99	128	98	119	118	96
136	106	41	100	127	98	119	116	96
135	107	40	101	128	98	119	118	95
136	107	42	99	127	98	120	116	96
136	106	41	100	128	98	119	116	96
136	106	41	101	127	98	119	116	96
136	107	42	101	128	98	119	117	95
135	107	42	100	128	98	119	116	96
137	107	42	100	128	98	120	116	95
136	107	41	101	128	98	119	116	96
136	107	41	101	128	98	119	116	96
135	108	41	100	127	97	119	116	96
136	107	42	101	127	98	119	116	96
136	107	41	100	128	96	120	116	95
136	107	42	99	127	97	119	116	95
136	107	41	99	128	97	118	116	94
133	105	42	101	126	97	118	115	96
130	103	43	99	123	98	119	116	96
128	101	44	97	122	99	120	118	96
126	99	44	97	120	99	121	118	96
127	100	43	94	120	99	122	119	97
128	100	42	95	122	99	122	119	98
125	96	43	94	118	99	122	121	99
123	96	44	93	116	100	123	122	98
122	93	44	91	115	100	123	123	99
119	92	44	90	114	99	124	123	99
118	91	44	89	113	99	124	124	99
117	91	44	88	112	99	125	124	99
116	90	44	88	111	99	125	125	99

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
360	111	40	91	115	90	44	88
361	111	58	91	114	89	44	88
362	112	17	89	113	89	44	87
363	112	35	89	113	89	44	86
364	112	54	89	113	88	44	86
365	113	13	88	112	87	44	85
366	113	50	87	111	86	44	85
368	114	9	87	110	86	43	85
369	114	27	87	110	85	44	84
370	114	46	86	109	86	44	84
371	115	5	85	109	86	44	84
372	115	23	85	109	85	44	84
373	115	42	85	109	85	43	83
374	116	0	86	109	86	43	84
375	116	19	85	109	85	44	84
376	116	38	85	108	87	44	85
377	116	56	85	109	86	44	86
378	117	15	86	108	88	44	86
379	117	34	86	109	86	45	85
380	117	52	86	108	85	44	84
381	118	11	85	107	84	46	83
382	118	29	85	107	83	45	83
383	118	48	84	106	83	45	82
384	119	7	83	105	82	45	82
385	119	25	83	105	82	45	82
386	119	44	83	104	82	45	82
387	120	2	82	103	82	45	81
388	120	21	82	104	82	45	81
389	120	40	82	103	82	45	80
390	120	58	81	103	81	44	80
391	121	17	81	103	81	45	80
392	121	36	81	103	81	44	80
393	121	54	81	103	81	45	79
394	122	13	80	103	81	45	79
395	122	31	81	102	81	44	80
396	122	50	81	102	81	45	79
397	123	9	81	101	80	45	79
398	123	27	80	102	80	45	78
399	123	46	80	101	80	45	79
400	124	4	80	102	80	45	79
401	124	23	80	101	82	45	80
402	124	42	81	104	83	44	81
403	125	0	82	107	86	42	82
404	125	19	84	112	88	41	83
405	125	37	87	115	90	41	85
406	125	56	89	118	92	41	86
407	126	15	90	120	93	40	88
408	126	33	92	122	95	41	88
409	126	52	95	123	96	41	89
410	127	11	95	124	96	40	

-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
LER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
LET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
15	90	44	88	111	99	125	125	101
14	89	44	88	110	99	125	125	101
13	89	44	87	110	99	125	125	100
13	89	44	86	110	98	125	126	100
13	88	44	86	109	99	124	126	99
12	87	44	85	108	98	123	126	99
11	86	44	85	108	98	124	125	99
10	86	43	85	108	98	125	126	99
10	85	44	84	107	99	124	125	100
09	86	44	84	106	98	124	126	99
09	86	44	84	106	98	124	125	99
09	85	44	84	106	98	124	125	99
09	85	43	83	106	98	124	126	99
09	86	43	84	106	98	124	126	100
09	85	44	84	105	98	123	125	100
08	87	44	85	105	100	123	124	100
09	86	44	86	105	99	123	124	99
08	88	44	86	105	100	123	122	99
09	86	45	85	105	99	123	122	98
08	85	44	84	104	98	123	122	98
07	84	46	83	103	98	124	124	100
07	83	45	83	102	99	125	125	99
06	83	45	82	102	98	125	127	99
05	82	45	82	101	99	125	126	101
05	82	45	82	101	99	125	126	101
04	82	45	82	100	99	126	126	101
03	82	45	81	100	99	125	126	101
04	82	45	81	100	99	126	126	101
03	82	45	80	100	100	125	127	101
03	81	44	80	99	99	125	128	101
03	81	45	80	98	99	126	127	102
03	81	44	80	99	100	126	128	101
03	81	45	79	99	100	126	127	101
03	81	45	79	98	100	125	127	102
02	81	44	80	99	99	126	127	101
02	81	45	79	98	100	126	128	102
01	80	45	79	99	99	125	128	101
02	80	45	78	98	100	127	127	101
01	80	45	79	97	100	126	128	102
02	80	45	79	97	100	126	128	101
01	82	45	80	97	101	126	126	102
04	83	44	81	99	99	123	124	98
07	86	42	82	102	96	119	122	95
12	88	41	83	105	94	116	119	93
15	90	41	85	107	92	114	118	91
18	92	41	86	110	90	111	116	90
20	93	40	88	112	89	109	113	89
22	95	41	88	113	87	108	112	89
23	96	41	89	115	86	106	110	87
24	96	40	90	115	85	105	109	86

1513

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-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	E N. CO I D
411	127	29	96	125	97	41	90	
412	127	48	96	126	97	40	91	
413	128	6	96	127	98	40	91	
414	128	25	97	127	99	41	92	
415	128	44	98	128	99	41	92	
416	129	2	99	130	99	40	93	
417	129	21	98	129	99	41	93	
418	129	40	99	130	100	40	93	
419	129	58	99	130	100	41	94	
420	130	17	100	130	100	41	93	
421	130	35	101	131	101	40	94	
422	130	54	101	132	101	42	94	
423	131	13	101	133	101	41	93	
424	131	31	101	132	102	41	94	
425	131	50	101	133	102	41	95	
426	132	9	101	133	101	42	94	
427	132	27	101	133	103	41	95	
428	132	46	102	133	103	41	94	
429	133	4	102	134	102	42	95	
430	133	23	102	132	101	41	96	
431	133	42	102	129	101	42	96	
432	134	0	101	128	99	42	93	
433	134	19	99	127	99	42	95	
434	134	37	98	124	98	43	94	
435	134	56	98	122	96	43	94	
436	135	15	96	121	96	44	92	
437	135	33	96	120	94	44	92	
438	135	52	95	119	93	45	90	
439	136	10	94	118	92	45	90	
440	136	29	93	118	93	44	91	
441	136	48	93	118	94	44	91	
442	137	6	93	117	93	44	90	
443	137	25	93	116	97	44	92	
444	137	43	94	114	95	45	91	
445	138	2	95	112	94	45	89	
446	138	21	94	112	93	45	88	
447	138	39	94	110	101	46	91	
448	138	58	93	109	105	46	94	
449	139	17	95	108	105	47	96	
450	139	35	95	108	105	47	95	
451	139	54	95	108	105	48	96	
452	140	12	94	107	105	48	95	
453	140	31	95	106	107	48	95	
454	140	50	94	106	106	48	96	
455	141	8	95	105	107	49	94	
456	141	27	94	104	108	50	94	
457	141	45	95	104	108	51	95	
458	142	4	95	103	110	50	95	
459	142	23	94	103	110	51	94	
460	142	41	95	102	111	51	95	

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
125	97	41	90	116	84	104	108	86
126	97	40	91	118	84	103	108	83
127	98	40	91	119	83	101	106	83
127	99	41	92	119	82	101	106	83
128	99	41	92	120	82	100	105	83
130	99	40	93	120	82	100	104	82
129	99	41	93	122	81	100	104	82
130	100	40	93	121	81	99	103	82
130	100	41	94	122	81	99	103	82
130	100	41	93	122	81	98	102	81
131	101	40	94	123	81	98	102	81
132	101	42	94	122	81	98	101	81
133	101	41	93	123	81	98	102	81
132	102	41	94	123	80	98	102	79
133	102	41	95	123	81	98	101	80
133	101	42	94	122	81	98	101	80
133	103	41	95	123	81	98	101	81
133	103	41	94	124	81	97	100	81
134	102	42	95	124	80	98	101	80
132	101	41	96	123	81	96	100	81
129	101	42	96	122	82	99	102	82
128	99	42	93	120	83	102	104	83
127	99	42	95	120	86	105	106	87
124	98	43	94	118	87	106	106	87
122	96	43	94	117	88	107	107	88
121	96	44	92	116	89	108	108	89
120	94	44	92	114	89	109	109	88
119	93	45	90	113	90	109	109	89
118	92	45	90	112	91	111	109	89
118	93	44	91	112	91	107	108	92
118	94	44	91	113	88	104	107	91
117	93	44	90	112	86	102	108	87
116	97	44	92	109	87	105	109	89
114	95	45	91	107	89	108	110	90
112	94	45	89	105	89	109	110	90
112	93	45	88	102	91	111	110	90
110	101	46	91	101	93	111	111	92
109	105	46	94	101	93	108	110	96
108	105	47	96	101	92	106	110	99
108	105	47	95	100	95	105	109	103
108	105	48	96	100	96	104	107	104
107	105	48	95	100	96	104	106	104
106	107	48	95	99	97	103	105	104
106	106	48	96	99	96	104	105	105
105	107	49	94	99	96	104	105	105
104	108	50	94	98	96	103	103	107
104	108	51	95	99	97	103	103	106
103	110	50	95	98	96	103	102	107
103	110	51	94	98	97	102	101	108
102	111	51	95	98	97	102	101	108

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	E N. CO I O
461	143	0	95	100	105	52	94	
462	143	18	94	114	107	52	96	
463	143	37	94	111	109	53	96	
464	143	56	95	111	110	54	97	
465	144	14	96	111	110	53	97	
466	*	*	*	*	*	*	*	

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
100	105	52	94	97	96	103	101	108
114	107	52	96	98	96	102	100	109
111	109	53	96	98	97	102	96	110
111	110	54	97	98	97	102	113	103
111	110	53	97	98	97	102	111	109
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	G	D
215	66	30	76	68	67	62	71		
216	66	49	76	68	67	62	70		
217	67	8	76	68	67	62	70		
218	67	26	76	68	67	62	70		
219	67	45	75	68	67	62	70		
220	68	4	76	68	67	62	70		
221	68	23	76	67	67	62	70		
222	68	41	76	68	67	62	70		
223	69	0	76	68	66	62	70		
224	69	19	76	67	66	62	70		
225	69	37	76	67	66	62	70		
226	69	56	76	67	66	62	69		
227	70	15	75	67	66	62	69		
228	70	34	76	67	67	62	70		
229	70	52	76	67	66	62	70		
230	71	11	76	67	66	62	69		
231	71	30	76	67	66	62	70		
232	71	48	75	67	66	62	69		
233	72	7	75	66	66	61	69		
234	72	26	75	66	66	62	69		
235	72	44	75	66	66	61	69		
236	73	3	75	66	66	61	69		
237	73	22	75	66	65	61	69		
238	73	40	75	66	65	61	69		
239	73	59	75	66	65	61	69		
240	74	18	75	66	65	61	68		
241	74	37	75	66	65	61	69		
242	74	55	75	65	65	61	68		
243	75	14	75	65	65	61	68		
244	75	33	74	65	65	61	68		
245	75	51	75	65	65	61	68		
246	76	12	75	65	65	61	68		
247	76	31	75	65	64	61	68		
248	76	49	75	65	65	61	68		
249	77	8	75	65	65	61	68		
250	77	27	75	65	65	61	68		
251	77	45	74	65	64	61	68		
252	78	4	76	65	64	62	69		
253	78	23	84	65	64	61	68		
254	78	41	86	65	64	61	68		
255	79	0	87	64	64	61	68		
256	79	19	89	64	64	61	68		
257	79	37	89	64	64	60	68		
258	79	56	91	64	64	60	68		
259	80	15	92	64	64	61	68		

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO 25C +125 DEG F

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
68	67	62	71	85	63	45	46	48
68	67	62	70	84	63	45	46	48
68	67	62	70	84	63	45	46	48
68	67	62	70	84	63	45	46	48
68	67	62	70	84	63	45	46	48
68	67	62	70	84	63	45	46	48
67	67	62	70	84	63	45	46	48
68	67	62	70	84	62	45	46	48
68	66	62	70	84	62	45	46	48
67	66	62	70	83	62	45	46	48
67	66	62	70	83	63	45	46	48
67	66	62	69	83	63	45	46	47
67	66	62	69	83	62	45	45	47
67	67	62	70	84	62	45	46	48
67	66	62	70	84	63	44	46	48
67	66	62	69	84	62	44	46	47
67	66	62	70	83	63	44	46	48
67	66	62	69	83	62	44	46	48
66	66	61	69	83	62	44	45	47
66	66	62	69	83	62	44	45	47
66	66	61	69	83	62	44	45	47
66	66	61	69	82	62	44	45	47
66	65	61	69	83	62	44	45	47
66	65	61	69	83	61	44	46	47
66	65	61	69	82	62	44	45	47
66	65	61	68	82	61	44	45	47
66	65	61	69	83	62	43	45	47
65	65	61	68	82	62	44	45	46
65	65	61	68	82	62	44	45	47
65	65	61	68	83	61	43	45	47
65	65	61	68	82	61	43	45	47
65	65	61	68	82	61	43	45	46
65	64	61	68	82	61	43	45	46
65	65	61	68	82	61	43	45	47
65	65	61	68	82	61	43	45	47
65	65	61	68	82	61	42	45	46
65	64	61	68	81	61	43	45	46
65	64	62	69	82	61	43	45	46
65	64	61	68	81	62	42	45	47
65	64	61	68	82	60	43	45	46
64	64	61	68	81	61	42	45	46
64	64	61	68	81	60	42	45	47
64	64	60	68	82	61	42	45	46
64	64	60	68	81	61	42	45	46

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
260	80	33	93	64	64	60	68
261	80	52	93	64	64	60	68
262	81	11	94	64	63	59	68
263	81	29	96	64	64	59	68
264	81	48	96	64	63	60	68
265	82	7	97	63	64	59	68
266	82	25	98	63	62	59	68
267	82	44	98	64	64	60	68
268	83	3	99	63	63	59	68
269	83	21	99	63	64	59	68
270	83	40	101	64	64	59	67
271	83	59	101	64	63	60	68
272	84	17	102	63	63	59	68
273	84	36	102	64	63	59	68
274	84	55	103	79	66	61	68
275	85	13	103	83	74	62	68
276	85	32	104	83	76	62	68
277	85	51	105	83	77	62	69
278	86	9	105	84	78	63	70
279	86	28	106	84	78	63	70
280	86	47	107	86	78	65	72
281	87	7	107	86	78	64	72
282	87	25	107	86	78	65	73
283	87	44	108	87	79	65	74
284	88	2	107	87	79	66	74
285	88	21	108	88	79	66	74
286	88	40	107	88	79	66	75
287	88	58	108	89	78	67	75
288	89	17	108	89	78	67	76
289	89	36	107	90	78	67	77
290	89	54	109	91	79	68	78
291	90	13	108	92	78	69	78
292	90	32	108	92	79	70	78
293	90	50	107	93	79	69	79
294	91	9	108	93	81	69	79
295	91	28	108	94	80	70	79
296	91	46	108	95	81	71	79
297	92	5	108	96	80	71	79
298	92	24	108	96	81	72	80
299	92	42	108	96	81	71	81
300	93	1	109	96	81	71	81
301	93	20	108	97	81	72	81
302	93	38	108	98	82	73	81
303	93	57	108	98	82	73	81
304	94	16	108	98	81	73	82
305	94	34	108	99	82	73	82
306	94	53	108	99	82	73	82
307	95	12	108	100	82	74	82
308	95	30	108	99	83	74	83
309	95	49	109	99	82	74	83

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
64	64	60	68	81	61	42	45	46
64	64	60	68	82	60	42	45	46
64	63	59	68	82	61	42	45	46
64	64	59	68	83	61	42	45	46
64	63	60	68	83	62	42	45	46
63	64	59	68	85	62	42	45	46
63	62	59	68	84	62	42	45	46
64	64	60	68	85	61	41	45	46
63	63	59	68	86	61	42	45	46
63	64	59	68	86	62	42	45	46
64	64	59	67	86	62	42	44	46
64	63	60	68	86	63	42	45	46
63	63	59	68	87	62	42	45	47
64	63	59	68	87	61	42	45	46
79	66	61	68	88	61	42	45	46
83	74	62	68	88	63	42	44	46
83	76	62	68	88	62	42	45	46
83	77	62	69	89	63	42	45	46
84	78	63	70	89	64	43	44	46
84	78	63	70	89	64	43	45	46
86	78	65	72	91	66	44	45	46
86	78	64	72	90	66	43	45	46
86	78	65	73	91	66	43	45	46
87	79	65	74	91	66	43	45	46
87	79	66	74	91	67	43	45	46
88	79	66	74	92	68	43	45	46
88	79	66	75	92	68	44	45	46
89	78	67	75	92	68	45	45	47
89	78	67	76	92	68	45	45	47
90	78	67	77	92	68	45	45	47
91	79	68	78	91	69	45	46	48
92	78	69	78	91	68	45	45	48
92	79	70	78	91	68	46	46	48
93	79	69	79	91	68	46	46	48
93	81	69	79	92	67	46	46	48
94	80	70	79	92	66	46	46	48
95	81	71	79	91	67	46	46	49
96	80	71	79	91	68	46	46	48
96	81	72	80	92	67	47	46	49
96	81	71	81	91	65	47	46	48
96	81	71	81	92	65	47	46	49
97	81	72	81	91	65	47	46	49
98	82	73	81	91	66	48	46	49
98	82	73	81	91	65	48	46	49
98	81	73	82	91	65	47	47	49
99	82	73	82	91	63	48	46	48
99	82	73	82	91	63	48	46	49
100	82	74	82	92	64	48	46	49
99	83	74	83	91	63	48	46	49
99	82	74	82	91	62	48	47	49

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
310	96	8	108	100	83	75	84
311	96	26	108	100	83	75	83
312	96	45	108	101	83	75	84
313	97	3	108	101	83	76	84
314	97	22	109	102	82	76	84
315	97	41	108	102	83	76	85
316	97	59	109	102	85	76	85
317	98	18	109	102	85	77	85
318	98	37	109	102	85	78	85
319	98	55	108	101	83	77	85
320	99	14	108	101	82	77	86
321	99	33	109	101	83	77	85
322	99	51	109	101	83	77	86
323	100	10	109	101	83	76	86
324	100	29	109	102	83	77	86
325	100	47	109	102	83	78	86
326	101	6	109	102	84	77	87
327	101	24	109	102	84	78	86
328	101	43	109	102	83	78	87
329	102	2	109	103	83	79	87
330	102	20	109	102	83	77	87
331	102	39	109	103	83	78	87
332	102	58	109	102	85	78	88
333	103	16	109	103	83	78	88
334	103	35	109	103	85	78	88
335	103	54	109	103	83	79	89
336	104	12	109	103	83	78	87
337	104	31	109	103	84	78	88
338	104	50	109	103	84	78	88
339	105	8	109	103	85	78	89
340	105	27	109	103	84	79	88
341	105	45	110	103	85	79	89
342	106	4	108	103	85	78	89
343	106	23	109	103	84	78	89
344	106	41	109	104	83	79	88
345	107	0	109	103	83	78	89
346	107	19	109	103	83	78	89
347	107	37	108	103	86	79	89
348	107	56	109	103	85	79	89
349	108	15	108	102	84	80	89
350	108	33	109	102	85	79	90
351	108	52	109	102	82	79	89
352	109	11	109	102	83	79	90
353	109	29	109	103	83	79	90
354	109	48	110	102	83	78	90
355	110	6	109	102	82	79	90
356	110	25	108	103	81	79	89
357	110	44	108	102	81	79	89
358	111	2	109	102	81	78	89
359	111	21	109	102	81	78	90

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
100	83	75	84	91	62	48	47	49
100	83	75	83	91	63	48	47	49
101	83	75	84	90	62	48	47	49
101	83	76	84	91	62	49	47	49
102	82	76	84	91	62	48	47	49
102	83	76	85	91	62	49	48	50
102	85	76	85	91	62	49	47	49
102	85	77	85	92	61	48	47	49
102	85	78	85	92	62	48	48	50
101	83	77	85	92	61	48	47	49
101	82	77	86	91	61	48	47	49
101	83	77	85	91	61	49	47	50
101	83	77	86	92	60	49	48	49
101	83	76	86	92	60	49	48	50
102	83	77	86	91	60	49	48	49
102	83	78	86	91	59	49	48	50
102	84	77	87	91	61	49	48	50
102	84	78	86	91	60	49	48	49
102	83	78	87	91	59	49	48	49
103	83	79	87	91	60	49	48	51
102	83	77	87	91	59	49	48	50
103	83	78	87	91	58	49	48	50
102	85	78	88	92	59	49	48	50
103	83	78	88	91	59	49	48	50
103	85	78	88	90	58	49	48	50
103	83	79	89	91	58	50	48	50
103	83	78	87	91	58	49	48	50
103	84	78	88	91	58	50	48	50
103	84	78	88	91	59	50	48	51
103	85	78	89	91	57	50	48	51
103	84	79	88	91	58	50	48	50
103	85	79	89	92	59	50	48	50
103	85	78	89	91	59	50	48	50
103	84	78	89	91	57	50	48	50
104	83	79	88	91	57	51	48	50
103	83	78	89	90	58	50	48	50
103	83	78	89	90	57	50	48	50
103	86	79	89	91	58	49	48	50
103	85	79	89	91	58	50	48	50
102	84	80	89	92	56	49	48	50
102	85	79	90	91	58	49	48	50
102	82	79	89	91	57	50	48	51
102	83	79	90	91	57	50	48	50
103	83	79	90	91	56	50	48	51
102	83	78	90	91	56	50	48	50
102	82	79	90	91	56	50	48	50
103	81	79	89	91	56	50	48	50
102	81	79	89	90	56	50	43	51
102	81	78	89	90	56	51	49	51
102	81	78	90	91	56	50	48	51

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	G
360	111	40	108	102	81	78	90	
361	111	58	108	102	81	79	89	
362	112	17	108	102	81	78	89	
363	112	35	109	101	79	78	90	
364	112	54	107	102	80	78	90	
365	113	13	108	101	80	77	89	
366	113	50	108	101	80	76	89	
368	114	9	107	101	80	77	89	
369	114	27	108	102	79	77	89	
370	114	46	108	101	81	76	89	
371	115	5	108	100	79	76	89	
372	115	23	108	101	78	76	89	
373	115	42	108	101	79	76	89	
374	116	0	108	100	79	76	89	
375	116	19	108	101	79	76	89	
376	116	38	107	101	81	76	90	
377	116	56	107	101	82	77	89	
378	117	15	108	100	82	77	89	
379	117	34	108	99	82	78	89	
380	117	52	108	99	80	77	89	
381	118	11	107	99	78	77	89	
382	118	29	107	99	79	76	89	
383	118	48	108	99	79	76	90	
384	119	7	107	99	79	76	89	
385	119	25	107	99	78	76	89	
386	119	44	106	98	79	75	89	
387	120	2	107	98	78	75	89	
388	120	21	106	99	78	75	89	
389	120	40	106	99	78	76	89	
390	120	58	106	99	78	76	89	
391	121	17	107	99	79	75	89	
392	121	36	106	99	78	75	89	
393	121	54	106	99	77	75	89	
394	122	13	106	99	79	76	89	
395	122	31	106	99	78	75	88	
396	122	50	106	99	78	75	89	
397	123	9	106	99	78	75	88	
398	123	27	105	99	77	75	89	
399	123	46	106	99	78	74	89	
400	124	4	106	99	77	75	89	
401	124	23	106	98	79	75	89	
402	124	42	107	98	79	75	89	
403	125	0	106	98	79	75	89	
404	125	19	106	98	78	75	89	
405	125	37	106	98	78	74	89	
406	125	56	105	98	78	75	89	
407	126	15	107	98	78	74	89	
408	126	33	106	98	78	75	89	
409	126	52	105	98	78	74	89	
410	127	11	105	98	77	73		

-16	5-17	5-18	5-19	5-20	5-21	5-22	5-23	5-24
AIN	MAIN	INTER.	TAIL	GEN.1	FUEL	L.ELEC	L.ELEC	L.ELEC
BOX	G.BOX	GEAR	GEAR	MASS	TEMP.	COMPT	COMPT	COMPT
LER	COOLER	BOX	BOX	TEMP	TO	TOPCTR	BTM RT	BTMLFT
LET	OUTLET	OIL	OIL		COMBST	AIR	AIR	AIR
OIL	OIL	TEMP	TEMP		HEATER	TEMP	TEMP	TEMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
02	81	78	90	91	56	50	49	51
02	81	79	89	89	55	50	49	51
02	81	78	89	90	55	51	49	51
01	79	78	90	90	56	51	49	51
02	80	78	90	89	55	50	49	51
01	80	77	89	90	54	50	48	50
01	80	76	89	89	54	51	49	50
01	80	77	89	88	54	50	49	50
02	79	77	89	88	54	50	48	51
01	81	76	89	88	52	50	48	51
00	79	76	89	88	53	50	48	51
01	78	76	89	88	53	50	48	50
01	79	76	89	88	52	50	48	50
00	79	76	89	87	52	50	48	50
01	79	76	89	87	52	49	48	50
01	81	76	90	88	52	50	49	50
01	82	77	89	89	53	49	49	50
00	82	77	89	89	53	49	48	50
99	82	78	89	89	54	49	48	49
99	80	77	89	90	52	50	49	50
99	78	77	89	89	51	50	48	50
99	79	76	89	88	52	49	48	50
99	79	76	90	88	51	49	49	50
99	79	76	89	87	52	49	48	50
99	78	76	89	88	52	49	49	50
98	79	75	89	87	51	49	48	50
98	78	75	89	87	52	49	48	50
99	78	75	89	88	51	49	48	49
99	78	76	89	87	52	49	48	50
99	78	76	89	87	51	50	48	49
99	79	75	89	87	51	50	48	50
99	78	75	89	88	51	50	48	50
99	77	75	89	87	51	50	48	50
99	79	76	89	86	51	49	49	50
99	78	75	88	86	51	49	48	49
99	78	75	89	86	51	49	48	49
99	78	75	88	87	50	50	48	49
99	77	75	89	87	51	49	48	50
99	78	74	89	86	51	49	48	49
99	77	75	89	86	51	49	48	49
98	79	75	89	86	50	49	48	49
98	79	75	89	86	51	49	48	50
98	79	75	89	86	51	49	48	50
98	78	75	89	86	50	49	48	49
98	78	74	89	87	50	50	49	49
98	78	75	89	86	50	49	48	49
98	78	74	89	86	49	49	48	50
98	78	75	89	87	51	49	48	49
98	78	74	89	86	49	49	48	49
98	77	73		86	51	49	48	49

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
411	127	29	105	98	77	74	89
412	127	48	105	98	77	74	89
413	128	6	105	98	77	75	88
414	128	25	105	99	76	73	89
415	128	44	104	98	76	74	89
416	129	2	105	98	77	73	88
417	129	21	104	98	77	74	88
418	129	40	104	98	77	73	88
419	129	58	105	99	77	73	89
420	130	17	104	98	77	73	88
421	130	35	104	98	77	73	88
422	130	54	104	98	77	73	88
423	131	13	103	98	76	73	88
424	131	31	104	98	76	73	88
425	131	50	104	99	77	73	88
426	132	9	103	99	77	73	88
427	132	27	104	98	76	73	88
428	132	46	104	99	77	73	88
429	133	4	104	99	77	73	88
430	133	23	105	99	80	73	88
431	133	42	103	99	80	74	88
432	134	0	104	98	78	74	88
433	134	19	104	98	79	73	88
434	134	37	103	98	79	74	88
435	134	56	103	97	81	73	89
436	135	15	103	98	81	75	88
437	135	33	104	97	80	75	88
438	135	52	104	97	79	76	88
439	136	10	104	96	80	75	88
440	136	29	104	96	80	75	88
441	136	48	104	96	79	76	88
442	137	6	103	96	79	75	88
443	137	25	103	95	79	75	88
444	137	43	103	95	79	75	88
445	138	2	103	94	78	76	89
446	138	21	104	94	79	75	89
447	138	39	104	94	79	75	88
448	138	58	105	94	81	76	88
449	139	17	105	93	81	76	88
450	139	35	105	93	81	76	87
451	139	54	107	93	79	76	86
452	140	12	107	92	80	77	86
453	140	31	107	92	80	76	86
454	140	50	108	91	82	76	86
455	141	8	109	92	82	76	86
456	141	27	110	91	83	76	86
457	141	45	110	92	83	76	86
458	142	4	111	91	85	76	85
459	142	23	112	91	85	75	85
460	142	41	112	92	85	75	85

-16 AIN BOX LER LET OIL G.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
98	77	74	89	85	50	49	48	49
98	77	74	89	86	49	49	48	49
98	77	75	88	85	50	49	48	49
99	76	73	89	85	49	49	48	49
98	76	74	89	85	49	49	48	49
98	77	73	88	85	49	49	48	49
98	77	74	88	85	50	49	48	49
98	77	73	88	85	48	49	48	49
99	77	73	89	85	49	50	48	49
98	77	73	88	86	49	49	48	49
98	77	73	88	85	49	49	48	49
98	77	73	88	85	49	49	48	49
98	76	73	88	85	49	49	48	49
98	76	73	88	85	49	49	48	49
99	77	73	88	85	49	49	48	49
99	77	73	88	84	49	49	48	49
98	76	73	88	85	49	49	48	49
99	77	73	88	85	49	50	48	49
99	77	73	88	84	48	49	48	49
99	80	73	88	85	48	49	48	49
99	80	74	88	86	49	49	48	49
98	78	74	88	85	48	49	48	49
98	79	73	88	85	49	49	48	49
98	79	74	88	86	50	49	48	49
97	81	73	89	86	49	49	48	49
98	81	75	88	86	49	49	48	49
97	80	75	88	86	48	49	48	49
97	79	76	88	86	49	49	48	49
96	80	75	88	86	50	49	48	49
96	80	75	88	88	49	48	48	49
96	79	76	88	87	49	48	48	49
96	79	75	88	88	49	49	48	49
95	79	75	88	88	49	49	48	49
95	79	75	88	88	49	48	48	49
94	78	76	89	87	49	49	48	49
94	79	75	89	87	50	49	48	49
94	79	75	88	88	51	49	48	49
94	81	76	88	89	52	49	48	49
93	81	76	88	89	52	49	48	49
93	81	76	87	90	52	48	48	49
93	79	76	86	90	54	48	48	49
92	80	77	86	91	54	49	48	49
92	80	76	86	92	54	48	48	49
91	82	76	86	92	54	49	48	49
92	82	76	86	92	55	48	48	48
91	83	76	86	93	54	48	48	49
92	83	76	86	92	55	48	48	49
91	85	76	85	93	55	49	48	49
91	85	75	85	93	55	48	48	49
92	85	75	85	94	56	49	48	49

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
461	143	0	113	91	85	75	85
462	143	18	113	91	86	74	85
463	143	37	113	91	86	75	84
464	143	56	114	91	86	75	85
465	144	14	115	91	86	74	83
466	*	*	*	*	*	*	*

-16	5-17	5-18	5-19	5-20	5-21	5-22	5-23	5-24
MAIN	MAIN	INTER.	TAIL	GEN.1	FUEL	L.ELEC	L.ELEC	L.EL C
.BOX	G.BOX	GEAR	GEAR	MASS	TEMP.	COMPT	COMPT	COMPT
LER	COOLER	BOX	BOX	TEMP	TO	TOPCTR	BTM RT	BTMLFT
LET	OUTLET	OIL	OIL		COMBST	AIR	AIR	AIR
OIL	OIL	TEMP	TEMP		HEATER	TEMP	TEMP	TEMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
91	85	75	85	95	56	49	48	49
91	86	74	85	95	56	48	48	49
91	86	75	84	95	58	48	48	48
91	86	75	85	96	58	48	48	48
91	86	74	83	96	58	48	48	48
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
215	66	30	51	49	49	36	85
216	66	49	51	48	49	36	85
217	67	8	51	48	49	37	85
218	67	26	51	49	49	36	85
219	67	45	50	49	49	36	85
220	68	4	51	48	49	36	84
221	68	23	51	49	49	37	85
222	68	41	50	49	48	37	85
223	69	0	50	49	49	36	84
224	69	19	50	48	48	36	85
225	69	37	50	49	49	37	84
226	69	56	50	49	48	36	84
227	70	15	49	49	48	37	84
228	70	34	50	49	48	37	84
229	70	52	50	49	49	36	84
230	71	11	50	48	49	36	84
231	71	30	50	49	48	37	84
232	71	48	50	48	49	36	83
233	72	7	50	49	48	37	84
234	72	26	49	48	48	37	83
235	72	44	49	48	48	36	83
236	73	3	49	48	48	36	84
237	73	22	49	48	48	36	83
238	73	40	49	48	48	36	83
239	73	59	49	48	48	36	83
240	74	18	49	48	48	36	83
241	74	37	49	48	48	36	83
242	74	55	49	48	48	36	83
243	75	14	50	48	47	36	83
244	75	33	51	48	47	37	83
245	75	51	51	48	47	37	82
246	76	12	51	48	46	36	82
247	76	31	51	48	47	37	82
248	76	49	51	48	46	37	82
249	77	8	51	48	47	37	82
250	77	27	51	48	46	36	82
251	77	45	51	48	47	37	82
252	78	4	51	48	47	37	81
253	78	23	51	48	46	36	82
254	78	41	50	48	46	36	83
255	79	0	49	48	47	36	82
256	79	19	50	49	46	37	82
257	79	37	50	48	46	36	83
258	79	56	50	49	46	36	83
259	80	15	50	48	46	36	83

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
260	80	33	50	49	47	36	83
261	80	52	49	48	46	37	83
262	81	11	50	48	47	36	83
263	81	29	50	48	46	36	85
264	81	48	50	48	47	36	86
265	82	7	50	49	46	36	86
266	82	25	50	48	46	36	86
267	82	44	52	48	48	37	86
268	83	3	51	48	46	36	87
269	83	21	51	49	48	37	87
270	83	40	51	48	46	37	88
271	83	59	51	49	46	36	88
272	84	17	50	48	47	37	88
273	84	36	51	49	47	37	89
274	84	55	51	48	46	37	89
275	85	13	50	49	46	37	91
276	85	32	51	48	46	37	89
277	85	51	51	48	47	36	90
278	86	9	51	48	46	37	91
279	86	28	50	49	46	36	91
280	86	47	51	49	46	37	93
281	87	7	50	48	46	36	93
282	87	25	49	49	47	36	92
283	87	44	49	49	47	36	93
284	88	2	49	49	47	36	93
285	88	21	49	49	46	36	94
286	88	40	51	49	48	36	93
287	88	58	52	50	48	37	93
288	89	17	53	51	48	37	93
289	89	36	54	51	49	36	94
290	89	54	55	52	49	37	93
291	90	13	55	52	49	37	93
292	90	32	56	52	50	36	93
293	90	50	56	53	50	36	93
294	91	9	56	53	49	36	93
295	91	28	56	53	49	36	93
296	91	46	56	53	49	37	94
297	92	5	56	54	50	37	94
298	92	24	56	54	49	36	94
299	92	42	57	54	50	36	93
300	93	1	57	54	50	37	93
301	93	20	58	54	51	36	92
302	93	38	58	55	50	37	93
303	93	57	58	55	49	36	94
304	94	16	58	55	49	36	92
305	94	34	58	54	50	36	93
306	94	53	59	55	51	37	93
307	95	12	59	55	50	36	92
308	95	30	58	55	51	36	93
309	95	49	59	55	52	36	

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
310	96	8	59	55	52	36	92
311	96	26	59	55	52	36	92
312	96	45	59	55	51	36	93
313	97	3	58	55	51	37	92
314	97	22	59	56	51	36	93
315	97	41	59	56	51	36	93
316	97	59	59	56	51	37	93
317	98	18	59	56	51	36	93
318	98	37	59	56	50	37	93
319	98	55	59	56	51	37	94
320	99	14	59	56	52	36	93
321	99	33	59	56	52	37	93
322	99	51	60	56	51	37	93
323	100	10	59	56	51	36	93
324	100	29	59	56	51	37	93
325	100	47	61	56	51	37	93
326	101	6	60	56	52	36	93
327	101	24	60	57	52	36	93
328	101	43	61	57	51	37	93
329	102	2	61	57	52	36	92
330	102	20	60	57	51	36	93
331	102	39	60	57	52	37	92
332	102	58	60	57	51	37	93
333	103	16	61	57	52	37	93
334	103	35	61	57	52	37	92
335	103	54	61	58	51	37	92
336	104	12	61	57	52	36	92
337	104	31	61	58	52	36	93
338	104	50	61	59	52	37	93
339	105	8	62	58	52	37	92
340	105	27	61	58	52	36	92
341	105	45	62	59	53	37	92
342	106	4	61	58	52	37	92
343	106	23	62	58	52	37	92
344	106	41	62	58	51	37	93
345	107	0	62	59	52	37	93
346	107	19	62	59	52	37	92
347	107	37	62	59	52	36	92
348	107	56	62	58	52	37	92
349	108	15	62	59	52	37	93
350	108	33	62	59	51	37	93
351	108	52	62	59	52	37	92
352	109	11	62	59	52	37	93
353	109	29	62	59	52	37	92
354	109	48	62	59	52	38	93
355	110	6	62	59	51	37	92
356	110	25	62	59	52	37	92
357	110	44	63	59	52	37	92
358	111	2	63	59	52	37	92
359	111	21	63	59	52	37	92

15-24

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
360	111	40	63	59	52	37	92
361	111	58	63	59	52	37	92
362	112	17	63	59	51	37	92
363	112	35	63	59	51	37	92
364	112	54	63	59	51	37	91
365	113	13	63	59	51	37	91
366	113	50	64	59	51	37	90
368	114	9	63	59	51	37	90
369	114	27	63	59	50	38	90
370	114	46	63	59	51	37	90
371	115	5	64	59	51	37	90
372	115	23	63	59	50	37	89
373	115	42	64	59	51	37	89
374	116	0	64	59	51	37	90
375	116	19	63	59	51	38	89
376	116	38	62	58	51	38	90
377	116	56	62	59	52	38	90
378	117	15	63	59	52	38	91
379	117	34	62	59	51	38	90
380	117	52	63	59	51	38	90
381	118	11	64	59	51	38	90
382	118	29	63	60	51	38	90
383	118	48	64	59	51	37	90
384	119	7	64	59	50	37	89
385	119	25	64	59	50	38	90
386	119	44	64	59	51	38	90
387	120	2	64	59	51	37	89
388	120	21	64	59	50	38	89
389	120	40	64	59	50	38	89
390	120	58	64	59	50	38	89
391	121	17	64	59	50	38	88
392	121	36	64	59	51	38	89
393	121	54	64	59	50	37	89
394	122	13	64	59	50	37	88
395	122	31	64	58	51	38	88
396	122	50	64	59	50	38	88
397	123	9	64	58	49	38	88
398	123	27	64	59	49	38	88
399	123	46	64	59	50	38	87
400	124	4	64	58	50	37	88
401	124	23	63	59	51	38	88
402	124	42	63	58	51	38	88
403	125	0	64	59	51	38	89
404	125	19	64	59	50	38	89
405	125	37	64	59	49	38	88
406	125	56	64	59	50	38	89
407	126	15	65	59	49	37	88
408	126	33	65	59	50	38	88
409	126	52	64	59	49	38	88
410	127	11	64	59	50	37	

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
411	127	29	64	59	50	38	87
412	127	48	65	59	49	38	87
413	128	6	64	58	51	38	88
414	128	25	64	59	50	37	87
415	128	44	64	59	51	38	87
[illegible]	129	2	63	58	50	37	86
[illegible]	129	21	64	59	50	38	87
418	129	40	64	58	50	38	86
419	129	58	64	58	49	38	88
420	130	17	64	58	50	37	87
421	130	35	64	58	49	38	87
422	130	54	64	58	49	38	87
423	131	13	64	59	50	37	87
424	131	31	64	58	50	38	86
425	131	50	64	58	50	38	86
426	132	9	64	58	50	38	86
427	132	27	65	58	49	38	87
428	132	46	64	58	49	38	87
429	133	4	65	58	49	38	87
430	133	23	64	58	51	38	86
431	133	42	64	58	51	38	87
432	134	0	64	59	49	38	88
433	134	19	63	58	49	38	87
434	134	37	63	59	50	38	87
435	134	56	64	59	51	37	87
436	135	15	63	59	52	38	88
437	135	33	63	59	51	38	88
438	135	52	63	59	51	38	88
439	136	10	64	59	51	37	88
440	136	29	64	59	51	37	88
441	136	48	64	59	52	38	88
442	137	6	64	59	52	37	89
443	137	25	64	59	52	38	89
444	137	43	63	59	52	38	89
445	138	2	63	60	51	38	89
446	138	21	63	60	51	38	90
447	138	39	60	58	52	38	89
448	138	58	59	58	52	38	90
449	139	17	58	57	51	38	89
450	139	35	58	56	51	38	89
451	139	54	59	56	51	38	90
452	140	12	59	56	51	38	91
453	140	31	60	56	51	37	91
454	140	50	60	55	50	38	91
455	141	8	59	56	51	38	92
456	141	27	61	55	51	37	91
457	141	45	60	56	51	38	92
458	142	4	60	55	51	38	93
459	142	23	60	55	51	37	93
460	142	41	60	55	51	38	94

1524

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
461	143	0	59	55	51	38	93
462	143	18	60	55	51	38	95
463	143	37	59	55	50	38	94
464	143	56	60	55	51	37	95
465	144	14	59	55	51	37	95
466	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
215	66	32	72	78	66	99	77
216	66	51	72	78	66	99	77
217	67	10	72	78	66	98	76
218	67	29	72	78	66	99	76
219	67	47	72	78	66	98	76
220	68	6	72	78	66	99	76
221	68	25	72	78	66	98	77
222	68	44	72	78	66	98	76
223	69	2	72	78	66	98	76
224	69	21	72	78	66	97	76
225	69	40	72	78	66	98	76
226	69	58	72	78	66	97	76
227	70	17	72	78	66	97	76
228	70	36	72	78	67	97	76
229	70	54	72	78	66	97	75
230	71	13	72	78	67	98	76
231	71	32	72	78	66	97	76
232	71	51	72	78	66	96	75
233	72	9	72	78	66	96	75
234	72	28	72	78	66	96	75
235	72	47	72	78	66	96	75
236	73	5	71	78	66	96	75
237	73	24	71	78	66	95	75
238	73	43	71	78	66	96	75
239	74	1	71	78	66	96	75
240	74	20	71	78	67	95	74
241	74	39	71	78	66	95	74
242	74	57	71	77	66	95	74
243	75	16	71	78	66	95	74
244	75	35	71	78	66	95	73
245	75	54	71	78	67	94	74
246	76	14	71	78	66	93	73
247	76	33	71	78	66	93	73
248	76	52	71	78	66	93	73
249	77	10	71	77	66	93	72
250	77	29	70	78	66	93	72
251	77	48	71	78	66	93	72
252	78	6	70	78	66	93	72
253	78	25	70	76	66	93	72
254	78	44	70	77	66	92	72
255	79	2	70	78	66	93	72
256	79	21	70	78	67	92	71
257	79	40	70	76	66	92	72
258	79	58	70	76	66	92	72

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

6-06 ENG.2 FUEL CNTRL TLET TEMP EG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFT OUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFT OUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
78	66	99	77	76	82	81	72	70
78	66	99	77	76	82	81	72	70
78	66	98	76	76	82	81	72	70
78	66	99	76	76	82	82	72	70
78	66	98	76	76	83	81	72	70
78	66	99	76	76	82	81	72	70
78	66	98	77	76	83	81	72	70
78	66	98	76	75	83	81	72	70
78	66	98	76	76	83	81	72	70
78	66	97	76	75	83	81	72	70
78	66	98	76	75	83	81	72	70
78	66	97	76	75	83	81	72	70
78	66	97	76	75	83	81	72	70
78	67	97	76	75	83	81	72	70
78	66	97	75	75	83	81	72	70
78	67	98	76	75	83	81	71	70
78	66	97	76	74	83	80	72	70
78	66	96	75	74	83	80	72	70
78	66	96	75	74	83	80	71	69
78	66	96	75	74	83	79	71	69
78	66	96	75	74	83	79	71	69
78	66	96	75	74	83	78	71	69
78	66	95	75	73	83	77	71	69
78	66	96	75	73	82	76	71	69
78	66	96	75	73	83	79	71	69
78	67	95	74	73	82	79	71	69
78	66	95	74	73	82	7[illegible]	71	69
77	66	95	74	73	83	78	71	69
78	66	95	74	73	83	78	71	69
78	66	95	73	73	83	78	71	69
78	67	94	74	73	83	78	70	69
78	66	93	73	72	82	76	70	68
78	66	93	73	72	83	77	70	69
78	66	93	73	72	83	76	70	68
77	66	93	72	72	83	74	70	68
78	66	93	72	72	82	73	70	68
78	66	93	72	71	82	73	70	68
78	66	93	72	72	82	75	70	68
76	66	93	72	71	82	76	70	68
77	66	92	72	71	82	74	70	68
78	66	93	72	71	82	72	70	68
78	67	92	71	71	82	75	70	68
76	66	92	72	71	82	76	70	67
76	66	92	72	71	82	76	69	68
78	66	92	72	70	83	75	70	67

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
260	80	36	70	77	66	92	71
261	80	54	69	78	66	92	71
262	81	13	70	77	66	92	71
263	81	32	69	76	66	92	71
264	81	50	70	78	66	92	71
265	82	9	70	76	66	91	70
266	82	28	70	76	66	92	71
267	82	46	70	78	66	92	71
268	83	5	70	77	67	91	71
269	83	24	70	78	67	91	71
270	83	42	71	77	66	91	71
271	84	1	71	76	66	92	71
272	84	20	70	76	67	91	70
273	84	38	71	76	66	91	71
274	84	57	73	76	61	91	70
275	85	16	73	76	57	91	70
276	85	34	73	77	51	91	70
277	85	53	75	75	48	90	70
278	86	12	72	76	45	90	70
279	86	30	71	76	42	90	70
280	86	50	71	76	42	91	71
281	87	9	70	78	42	90	70
282	87	27	69	79	42	90	70
283	87	46	69	80	41	90	71
284	88	5	68	81	42	90	70
285	88	23	68	78	42	90	70
286	88	42	66	73	41	89	70
287	89	1	67	69	41	90	71
288	89	19	64	65	41	89	71
289	89	38	64	64	41	89	71
290	89	57	64	63	40	89	70
291	90	15	63	63	41	89	71
292	90	34	63	62	40	88	71
293	90	53	62	61	40	88	70
294	91	11	61	61	41	89	70
295	91	30	61	59	41	88	70
296	91	49	61	59	40	89	71
297	92	7	62	59	40	89	71
298	92	26	61	59	41	89	70
299	92	45	61	59	40	89	70
300	93	3	61	58	41	89	70
301	93	22	60	59	41	89	70
302	93	41	61	59	40	89	70
303	93	59	61	58	40	89	69
304	94	18	60	59	41	89	70
305	94	37	60	59	41	89	70
306	94	55	61	57	41	88	70
307	95	14	60	59	40	89	70
308	95	33	60	57	41	89	70
309	95	51	60	58	40	89	

6-06 ENG.2 FUEL NTRL TLET TEMP EG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
77	66	92	71	71	82	75	69	68
78	66	92	71	71	82	73	69	67
77	66	92	71	71	81	74	70	67
76	66	92	71	70	82	73	69	68
78	66	92	71	70	82	71	69	67
76	66	91	70	70	81	71	69	67
76	66	92	71	70	82	71	70	68
78	66	92	71	70	81	72	69	68
77	67	91	71	70	82	72	70	66
78	67	91	71	69	81	72	69	67
77	66	91	71	70	82	71	69	67
76	66	92	71	69	81	73	69	68
76	67	91	70	69	81	71	68	67
76	66	91	71	69	82	67	66	67
76	61	91	70	70	81	65	65	66
76	57	91	70	69	81	64	66	67
77	51	91	70	69	81	66	66	66
75	48	90	70	69	81	65	65	67
76	45	90	70	69	81	68	69	69
76	42	90	70	69	81	67	66	66
76	42	91	71	70	82	66	65	65
78	42	90	70	69	81	66	64	65
79	42	90	70	69	81	68	64	66
80	41	90	71	69	81	68	64	65
81	42	90	70	69	81	68	63	64
78	42	90	70	69	81	68	63	63
73	41	89	70	69	81	67	61	62
69	41	90	71	69	81	66	59	61
65	41	89	71	68	81	67	59	61
64	41	89	71	69	81	67	59	59
63	40	89	70	69	80	66	58	59
63	41	89	71	68	80	66	58	59
62	40	88	71	69	79	66	58	58
61	40	88	70	68	79	66	58	58
61	41	89	70	68	80	66	57	58
59	41	88	70	68	79	65	57	58
59	40	89	71	68	79	66	57	57
59	40	89	71	68	79	66	57	58
59	41	89	70	68	78	66	56	57
59	40	89	70	68	79	66	56	57
58	41	89	70	68	78	66	56	57
59	41	89	70	68	78	66	56	56
59	40	89	70	67	78	66	56	58
58	40	89	69	67	79	66	56	56
59	41	89	70	67	78	66	56	56
59	41	89	70	68	78	65	56	56
57	41	88	70	67	78	66	56	56
59	40	89	70	67	78	65	56	56
57	41	89	70	68	78	66	56	55
58	40	89	69	67	78	65	56	56

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
310	96	10	59	58	40	90	70
311	96	28	61	57	40	91	69
312	96	47	60	58	40	92	70
313	97	6	59	59	41	92	70
314	97	24	59	59	41	92	70
315	97	43	60	59	41	93	70
316	98	2	61	59	41	94	70
317	98	20	61	63	41	95	69
318	98	39	62	62	42	95	70
319	98	58	60	64	40	95	70
320	99	16	59	64	40	95	70
321	99	35	59	64	40	95	70
322	99	54	58	65	40	96	70
323	100	12	59	64	41	96	70
324	100	31	59	64	40	96	69
325	100	49	59	64	40	97	70
326	101	8	59	64	40	96	70
327	101	27	59	64	40	97	70
328	101	45	58	65	40	97	70
329	102	4	59	66	40	96	70
330	102	23	58	64	40	97	69
331	102	41	58	64	40	97	69
332	103	0	58	64	40	97	69
333	103	19	58	65	40	96	69
334	103	37	59	65	40	96	69
335	103	56	59	66	40	96	70
336	104	15	58	65	40	97	70
337	104	33	57	66	40	97	69
338	104	52	58	65	40	96	69
339	105	10	58	66	41	96	70
340	105	29	58	64	40	97	70
341	105	48	59	64	40	97	69
342	106	6	58	64	40	96	70
343	106	25	57	66	39	96	69
344	106	44	57	67	40	98	70
345	107	2	58	64	40	96	69
346	107	21	58	65	40	96	69
347	107	40	60	65	42	96	69
348	107	58	61	64	43	96	69
349	108	17	62	62	42	96	69
350	108	36	62	62	42	96	69
351	108	54	59	60	41	95	69
352	109	13	61	61	41	95	69
353	109	31	63	57	42	95	69
354	109	50	63	56	43	93	69
355	110	9	63	55	42	93	69
356	110	27	63	55	42	92	69
357	110	46	64	55	42	92	68
358	111	5	63	55	42	92	68
359	111	23	64	54	42	91	68

6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
58	40	90	70	67	77	65	56	56
57	40	91	69	67	77	65	56	55
58	40	92	70	68	76	66	55	56
59	41	92	70	67	77	65	56	55
59	41	92	70	67	77	65	56	56
59	41	93	70	66	76	65	55	55
59	41	94	70	67	77	66	57	57
63	41	95	69	67	76	67	59	58
62	42	95	70	67	76	66	58	59
64	40	95	70	67	76	65	56	56
64	40	95	70	68	76	66	56	56
64	40	95	70	67	76	65	55	56
65	40	96	70	67	76	65	55	55
64	41	96	70	67	76	64	55	56
64	40	96	69	67	75	64	55	56
64	40	97	70	67	76	64	55	56
64	40	96	70	68	75	65	55	55
64	40	97	70	67	75	65	55	55
65	40	97	70	67	75	64	55	55
66	40	96	70	67	75	64	55	55
64	40	97	69	67	75	64	55	55
64	40	97	69	67	75	64	55	55
64	40	97	69	66	75	64	55	55
65	40	96	69	67	75	64	55	55
65	40	96	69	67	74	64	55	55
66	40	96	70	68	74	64	55	55
65	40	97	70	67	74	65	55	55
66	40	97	69	67	74	64	55	55
65	40	96	69	67	74	64	55	55
65	41	96	70	68	74	64	55	55
64	40	97	70	67	74	64	55	55
64	40	97	69	67	74	64	55	55
64	40	96	70	67	73	64	55	55
66	39	96	69	66	73	64	55	55
67	40	98	70	67	73	63	54	54
64	40	96	69	67	73	63	54	54
65	40	96	69	66	74	64	54	54
65	42	96	69	67	72	65	56	55
64	43	96	69	67	72	64	58	58
62	42	96	69	66	73	64	57	55
62	42	96	69	66	72	62	55	55
60	41	95	69	67	73	63	54	54
61	41	95	69	66	72	63	54	54
57	42	95	69	66	73	63	54	54
56	43	93	69	67	72	62	52	53
55	42	93	69	66	72	62	52	53
55	42	92	69	66	73	61	51	51
55	42	92	68	66	72	60	49	51

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6 EN L IS AFT DE
360	111	42	64	54	42	90	68	
361	112	0	64	54	41	91	68	
362	112	19	63	54	42	90	68	
363	112	38	64	54	42	88	68	
364	112	56	63	55	41	88	67	
365	*	*	*	*	*	*	*	
366	113	52	63	54	42	86	67	
368	114	11	63	53	42	85	67	
369	114	30	62	54	41	85	66	
370	114	48	63	52	42	85	66	
371	115	7	63	53	41	83	66	
372	115	25	62	54	42	84	66	
373	115	44	62	52	41	83	66	
374	116	3	62	54	42	82	66	
375	116	21	63	55	42	82	66	
376	116	40	64	56	42	82	65	
377	116	59	64	57	43	81	65	
378	117	17	64	59	43	81	65	
379	117	36	64	57	43	81	65	
380	117	54	65	54	43	81	66	
381	118	13	65	53	43	79	65	
382	118	32	66	54	43	79	65	
383	118	50	65	54	43	79	65	
384	119	9	66	52	43	79	64	
385	119	27	66	53	43	78	64	
386	119	46	65	54	43	78	64	
387	120	5	66	53	43	77	64	
388	120	23	66	52	42	76	64	
389	120	42	66	54	43	76	64	
390	121	1	67	53	43	75	64	
391	121	19	66	54	44	76	64	
392	121	38	66	54	44	75	63	
393	121	56	66	54	44	75	63	
394	122	15	66	52	43	75	63	
395	122	34	66	52	42	75	63	
396	122	52	66	52	44	74	62	
397	123	11	66	52	42	73	63	
398	123	29	66	54	43	72	62	
399	123	48	67	52	43	72	62	
400	124	7	66	54	43	72	62	
401	124	25	65	56	43	72	62	
402	124	44	64	59	41	73	62	
403	125	3	60	61	41	72	62	
404	125	21	59	62	41	73	62	
405	125	40	58	62	40	73	62	
406	125	58	58	64	41	73	62	
407	126	17	57	64	40	73	62	
408	126	36	56	66	40	72	62	
409	126	54	55	66	40	72	62	
410	127	13	55	66	40	73		

6-06 NG.2 FUEL NTRL TLET TEMP EG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
54	42	90	68	66	72	61	49	50
54	41	91	68	66	72	61	48	49
54	42	90	68	66	72	60	48	49
54	42	88	68	66	72	60	48	49
55	41	88	67	65	72	59	48	48
*	*	*	*	*	*	*	*	*
54	42	86	67	65	71	58	48	48
53	42	85	67	65	71	59	48	48
54	41	85	66	65	71	59	47	47
52	42	85	66	65	71	59	47	48
53	41	83	66	65	71	59	48	48
54	42	84	66	64	71	59	48	48
52	41	83	66	64	71	59	47	47
54	42	82	66	64	71	59	48	48
55	42	82	66	64	71	59	49	48
56	42	82	65	64	70	62	51	51
57	43	81	65	64	70	61	52	53
59	43	81	65	64	70	62	54	54
57	43	81	65	64	70	61	53	52
54	43	81	66	64	71	60	51	51
53	43	79	65	64	71	59	51	50
54	43	79	65	64	71	60	51	49
54	43	79	65	64	71	60	49	49
52	43	79	64	63	71	60	50	49
53	43	78	64	64	71	59	49	49
54	43	78	64	63	71	59	49	49
53	43	77	64	63	70	59	49	49
52	42	76	64	63	71	59	48	48
54	43	76	64	62	71	59	48	48
53	43	75	64	62	71	60	49	48
54	44	76	64	62	71	59	48	48
54	44	75	63	62	70	59	48	48
54	44	75	63	62	70	59	48	48
52	43	75	63	62	71	59	49	49
52	42	75	63	62	70	59	48	48
52	44	74	62	61	70	59	48	48
52	42	73	63	62	70	59	48	48
54	43	72	62	62	70	59	48	48
52	43	72	62	61	70	59	48	48
54	43	72	62	62	70	58	48	49
56	43	72	62	62	69	62	51	50
59	41	73	62	62	69	61	49	49
61	41	72	62	61	70	59	48	49
62	41	73	62	61	70	59	48	48
62	40	73	62	61	70	59	48	47
64	41	73	62	61	70	59	48	48
64	40	73	62	61	70	58	47	47
66	40	72	62	62	70	58	47	47
66	40	72	62	62	69	57	47	47

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
411	127	31	55	68	41	73	62
412	127	50	55	66	40	74	62
413	128	9	55	66	39	74	62
414	128	27	55	66	40	75	61
415	128	46	55	66	39	75	61
416	129	5	54	66	40	76	62
417	129	23	55	66	41	76	62
418	129	42	54	69	40	76	61
419	130	0	55	66	41	77	61
420	130	19	54	69	39	77	61
421	130	38	54	69	40	78	61
422	130	56	55	67	40	78	61
423	131	15	55	67	40	79	62
424	131	34	54	69	39	79	62
425	131	52	55	68	41	80	61
426	132	11	54	69	41	79	62
427	132	29	54	70	41	80	62
428	132	48	54	68	41	81	62
429	133	7	54	69	41	81	62
430	133	25	56	69	41	82	61
431	133	44	58	67	41	82	61
432	133	59	56	59	41	81	61
433	134	21	57	61	42	81	61
434	134	40	58	63	42	83	61
435	134	58	59	63	43	83	61
436	135	17	61	62	43	83	61
437	135	36	61	64	43	83	61
438	135	54	61	62	43	83	61
439	136	13	61	65	42	82	61
440	136	31	61	65	42	83	61
441	136	50	61	65	42	83	61
442	137	9	62	64	43	82	61
443	137	27	62	62	43	83	61
444	137	46	63	61	44	83	61
445	138	4	64	63	43	83	61
446	138	23	64	61	44	83	61
447	138	42	64	63	44	84	61
448	139	0	65	65	45	86	61
449	139	19	66	64	46	89	61
450	139	37	66	64	46	91	62
451	139	56	67	66	46	94	62
452	140	15	68	64	48	96	62
453	140	33	69	65	48	99	62
454	140	52	70	65	49	102	63
455	141	10	71	64	48	104	64
456	141	29	71	67	51	106	63
457	141	48	73	67	50	109	65
458	142	6	73	66	52	111	65
459	142	25	74	68	52	112	65

6-06 ENG.2 FUEL CNTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFT OUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFT OUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
68	41	73	62	61	69	57	47	46
66	40	74	62	61	68	57	47	47
66	39	74	62	61	69	57	46	46
66	40	75	61	61	68	56	46	46
66	39	75	61	60	69	56	46	46
66	40	76	62	60	69	56	46	46
66	41	76	62	60	68	56	47	47
69	40	76	61	61	68	56	46	47
66	41	77	61	61	68	56	46	46
69	39	77	61	60	66	56	46	46
69	40	78	61	60	68	56	46	47
67	40	78	61	61	68	55	46	46
67	40	79	62	60	68	56	46	46
69	39	79	62	60	68	55	46	46
68	41	80	61	60	67	55	47	46
69	41	79	62	60	67	55	46	46
70	41	80	62	59	67	55	46	48
68	41	81	63	60	67	56	47	46
69	41	81	62	60	66	56	47	46
69	41	82	61	60	66	57	49	48
67	41	82	61	60	66	57	50	50
69	41	81	61	60	66	56	48	48
61	42	81	61	60	65	58	50	49
63	42	83	61	59	66	58	51	51
63	43	83	61	60	66	59	53	52
62	43	83	61	60	65	59	53	53
64	43	83	61	60	65	59	53	53
62	43	83	61	59	65	58	52	52
65	42	82	61	60	65	59	52	52
65	42	83	61	60	65	59	52	53
65	42	83	61	60	65	60	53	54
64	43	82	61	60	65	59	54	54
62	43	83	61	60	65	59	55	56
61	44	83	61	60	65	59	55	55
63	43	83	61	61	65	60	55	56
61	44	83	61	61	65	60	55	56
63	44	84	61	60	65	60	56	58
65	45	86	61	60	65	62	58	58
64	46	89	61	61	65	62	59	59
64	46	91	62	61	65	66	63	60
56	46	94	62	62	65	71	65	62
64	48	96	62	62	65	74	68	64
65	48	99	62	62	65	77	71	66
65	49	102	63	63	65	78	73	67
64	48	104	64	63	66	81	75	68
67	51	106	63	63	66	82	77	69
67	50	109	65	64	66	82	80	71
66	52	111	65	64	66	82	82	72
68	52	112	65	65	66	83	84	73

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-1 ENG.1 LOR ISOL. MNT AFT OU DEG.C
461	143	2	74	67	54	117	66	65
462	143	21	74	69	55	118	66	66
463	143	39	75	70	56	118	66	65
464	143	58	75	69	55	118	66	65
465	144	17	76	69	56	120	67	66
466	*	*	*	*	*	*	*	*

6-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
ENG.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
FUEL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
NTRL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
TLET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
TEMP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
EG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
67	54	117	66	65	67	84	85	77
69	55	118	66	66	68	84	84	80
.0	56	118	66	65	67	82	83	79
69	55	118	66	65	68	75	84	79
69	56	120	67	66	68	68	85	80
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
215	66	32	68	66	65	64	62
216	66	51	69	65	65	64	63
217	67	10	68	66	65	63	63
218	67	29	68	65	65	63	62
219	67	47	68	66	65	63	63
220	68	6	68	65	65	63	63
221	68	25	68	65	65	63	62
222	68	44	68	65	65	63	62
223	69	2	68	65	65	63	62
224	69	21	68	65	65	63	62
225	69	40	67	65	64	63	63
226	69	58	67	65	64	62	62
227	70	17	67	65	64	63	62
228	70	36	67	65	64	63	62
229	70	54	67	65	65	63	62
230	71	13	68	65	64	63	62
231	71	32	67	65	64	62	62
232	71	51	67	65	65	63	62
233	72	9	67	65	64	62	62
234	72	28	66	65	64	62	62
235	72	47	66	65	64	62	62
236	73	5	66	64	64	62	61
237	73	24	66	64	64	62	62
238	73	43	66	64	64	62	61
239	74	1	66	64	64	62	61
240	74	20	66	64	64	62	61
241	74	39	66	64	63	62	61
242	74	57	66	64	64	61	62
243	75	16	66	64	64	61	61
244	75	35	66	64	63	61	61
245	75	54	66	64	63	61	61
246	76	14	65	63	63	61	61
247	76	33	65	64	62	61	61
248	76	52	65	63	63	61	61
249	77	10	65	63	63	62	60
250	77	29	65	63	62	61	61
251	77	48	65	63	63	61	59
252	78	6	65	64	61	61	61
253	78	25	66	62	61	61	61
254	78	44	65	62	61	59	60
255	79	2	65	62	62	60	60
256	79	21	65	64	61	61	61
257	79	40	65	63	61	61	60
[illegible]	[illegible]	[illegible]	65	63	61	62	60

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

6-16 ENG.1 INLET LIP SURF. 3.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
66	65	64	62	62	82	64	88	66
65	65	64	63	62	82	64	86	65
66	65	63	63	62	81	63	88	65
65	65	63	62	62	81	63	88	65
66	65	63	63	62	82	63	86	65
65	65	63	63	62	82	63	86	64
65	65	63	62	62	82	63	86	64
65	65	63	62	62	81	62	85	64
65	65	63	62	62	81	63	87	64
65	65	63	62	62	80	62	86	64
65	64	63	63	62	80	62	86	63
65	64	62	62	62	80	62	87	63
65	64	63	62	62	79	63	86	63
65	64	63	62	62	79	62	88	63
65	65	63	62	62	79	63	87	63
65	64	63	62	62	79	62	88	63
65	64	62	62	62	79	62	87	64
65	65	63	62	62	79	62	86	63
65	64	62	62	62	78	62	86	62
65	64	62	62	61	78	62	86	62
65	64	62	62	61	78	61	87	62
64	64	62	61	61	79	62	88	63
64	64	62	62	61	79	62	88	64
64	64	62	61	61	80	62	88	64
64	64	62	61	62	79	62	87	64
64	64	62	61	61	78	62	86	63
64	63	62	61	61	78	61	86	62
64	64	61	62	61	77	61	86	61
64	64	61	61	61	77	61	87	61
64	63	61	61	61	77	61	86	61
64	63	61	61	61	78	61	83	60
63	63	61	61	60	78	61	85	62
64	62	61	61	60	78	61	85	62
63	63	61	61	60	78	60	85	62
63	63	62	60	61	78	60	85	62
63	62	61	61	60	77	60	85	61
63	63	61	59	61	81	61	85	61
64	61	61	61	60	78	61	86	61
62	61	61	61	61	76	60	85	61
62	61	59	60	60	77	59	85	61
62	62	60	60	60	77	60	86	61
64	61	61	61	60	77	60	86	61
63	61	61	60	60	78	60	85	61
63	61	62	60	59	78	60	85	62
[illegible]	[illegible]	[illegible]	[illegible]	59	77	60	85	62

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
260	80	36	65	62	61	61	61
261	80	54	65	64	61	61	60
262	81	13	65	62	61	61	61
263	81	32	65	64	62	61	61
264	81	50	64	63	62	61	61
265	82	9	65	62	61	61	61
266	82	28	65	62	61	62	61
267	82	46	64	63	61	61	61
268	83	5	65	63	61	62	61
269	83	24	65	62	62	62	61
270	83	42	65	62	61	62	61
271	84	1	65	63	61	61	61
272	84	20	65	62	61	61	62
273	84	38	64	61	60	59	58
274	84	57	63	61	60	60	59
275	85	16	64	62	62	62	61
276	85	34	65	62	62	62	61
277	85	53	64	62	61	62	62
278	86	12	68	66	65	65	65
279	86	30	65	64	63	64	63
280	86	50	64	63	63	62	63
281	87	9	64	62	62	62	62
282	87	27	63	64	63	62	61
283	87	46	63	62	62	62	61
284	88	5	62	62	61	62	62
285	88	23	62	62	61	62	62
286	88	42	61	59	60	61	60
287	89	1	59	60	59	59	59
288	89	19	59	59	59	59	59
289	89	38	59	59	59	59	59
290	89	57	58	58	58	59	59
291	90	15	58	59	57	58	58
292	90	34	58	58	58	58	58
293	90	53	57	58	57	58	58
294	91	11	57	57	57	58	58
295	91	30	57	57	56	57	58
296	91	49	56	58	57	57	58
297	92	7	56	57	57	58	58
298	92	26	57	56	56	57	57
299	92	45	56	57	56	57	57
300	93	3	56	56	56	57	57
301	93	22	56	56	56	56	57
302	93	41	56	56	56	57	56
303	93	59	56	56	56	56	57
304	94	18	56	56	56	56	57
305	94	37	56	56	55	56	56
306	94	55	55	56	56	56	56
307	95	14	56	56	56	56	56
308	95	33	55	55	55	56	56
309	95	51	55	56	55	56	56

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
62	61	61	61	60	77	59	85	61
64	61	61	60	60	77	59	85	61
62	61	61	61	60	76	59	85	61
64	62	61	61	59	76	59	84	60
63	62	61	61	60	76	59	84	59
62	61	61	61	60	76	59	85	60
62	61	62	61	60	76	60	84	60
63	61	61	61	60	77	60	84	60
63	61	62	61	60	75	59	85	59
62	62	62	61	60	75	59	83	59
62	61	62	61	60	76	59	83	58
63	61	61	61	60	75	59	83	[illegible]
62	61	61	62	60	76	59	82	59
61	60	59	58	55	82	55	92	61
61	60	60	59	54	75	53	83	60
62	62	62	61	59	74	60	80	63
62	62	62	61	60	72	64	79	65
62	61	62	62	62	72	64	77	66
66	65	65	65	65	72	68	75	69
64	63	64	63	63	72	65	75	68
63	63	62	63	62	70	65	75	68
62	62	62	62	62	69	64	75	67
64	63	62	61	62	69	65	75	68
62	62	62	61	62	69	64	75	67
62	61	62	62	62	70	63	75	67
62	61	62	62	61	70	64	74	67
59	60	61	60	61	66	64	72	66
60	59	59	59	59	64	62	71	66
59	59	59	59	59	63	62	71	66
59	59	59	59	59	62	62	70	66
58	58	59	59	59	62	61	70	65
59	57	58	58	59	64	61	71	65
58	58	58	58	59	63	61	71	65
58	57	58	58	59	62	61	70	65
57	57	58	58	58	62	61	71	65
57	56	57	58	58	62	61	70	65
58	57	57	58	59	63	61	70	65
57	57	58	58	[illegible]	62	61	69	65
56	56	57	57	57	61	61	69	64
57	56	57	57	57	61	60	70	65
56	56	57	57	57	61	61	69	64
56	56	56	57	58	61	60	69	64
56	56	57	56	57	62	60	69	64
56	56	56	57	57	62	60	69	64
56	56	56	57	56	62	60	69	64
56	55	56	56	56	60	60	69	64
56	56	56	56	56	61	60	68	64
56	56	56	56	56	60	60	68	64
55	55	56	56	57	60	61	68	64
56	55	56	[illegible]	56	60	61	68	64

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6- ENG INL L SUR 6. DEG
310	96	10	55	56	55	56	56	5
311	96	28	55	55	55	56	56	5
312	96	47	56	55	55	56	56	5
313	97	6	55	55	55	56	56	5
314	97	24	56	56	56	56	56	5
315	97	43	55	56	55	55	56	5
316	98	2	56	56	56	56	58	5
317	98	20	57	57	57	57	57	5
318	98	39	57	56	56	56	57	5
319	98	58	55	56	56	56	56	5
320	99	16	56	56	56	56	56	5
321	99	35	55	55	55	55	56	5
322	99	54	55	55	55	55	56	5
323	100	12	55	56	55	55	56	5
324	100	31	55	55	55	55	56	
325	100	49	55	55	55	55	56	
326	101	8	55	55	55	55	56	
327	101	27	55	55	55	55	55	
328	101	45	55	55	55	55	56	
329	102	4	55	56	55	55	55	
330	102	23	55	55	55	55	56	
331	102	41	55	55	55	55	55	
332	103	0	55	55	55	55	56	
333	103	19	55	55	55	55	56	
334	103	37	55	55	55	55	56	
335	103	56	54	55	55	55	56	
336	104	15	55	55	55	55	56	
337	104	33	55	55	55	55	56	
338	104	52	55	55	55	55	55	
339	105	10	55	55	55	55	56	
340	105	29	55	55	55	55	56	
341	105	48	55	55	55	55	56	
342	106	6	55	55	55	56	56	
343	106	25	54	56	55	55	55	
344	106	44	54	55	54	54	55	
345	107	2	53	55	54	54	54	
346	107	21	54	53	53	54	54	
347	107	40	55	54	55	55	55	
348	107	58	56	55	55	55	56	
349	108	17	55	55	55	55	56	
350	108	36	54	53	54	54	55	
351	108	54	53	53	53	53	54	
352	109	13	52	52	53	52	54	
353	109	31	52	52	52	53	55	
354	109	50	52	52	52	52	53	
355	110	9	51	51	51	53	53	
356	110	27	50	50	51	51	52	
357	110	46	49	49	49	49	51	
358	111	5	49	49	49	50	51	
359	111	23	49	49	49	50	49	

-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
LET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
RF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
56	55	56	56	57	60	60	68	64
55	55	56	56	56	61	59	68	64
55	55	56	56	57	61	59	68	64
55	55	56	56	56	62	59	68	63
56	56	56	56	56	61	59	68	64
56	55	55	56	55	61	59	68	64
56	56	56	58	58	62	61	70	65
57	57	57	57	58	64	61	71	64
56	56	56	57	58	64	60	70	64
56	56	56	56	56	61	61	69	64
56	56	56	56	56	61	60	70	64
55	55	55	56	56	61	60	70	64
55	55	55	56	56	61	59	71	64
56	55	55	56	56	62	60	70	64
55	55	55	56	56	62	59	71	64
55	55	55	56	56	61	59	70	64
55	55	55	56	56	62	59	71	64
55	55	55	55	56	61	59	71	64
55	55	55	56	55	60	60	71	64
56	55	55	55	56	61	59	71	64
55	55	55	56	56	61	59	71	64
55	55	55	55	56	62	59	71	64
55	55	55	56	56	61	59	71	64
55	55	55	56	56	61	60	70	65
55	55	55	56	56	61	60	71	64
55	55	55	56	55	61	60	70	64
55	55	55	56	55	60	59	70	64
55	55	55	56	56	60	60	70	64
55	55	55	55	56	61	59	71	64
55	55	55	56	56	60	60	70	64
55	55	55	56	55	61	59	71	64
55	55	55	56	55	61	59	71	64
56	55	56	56	56	61	60	70	64
55	55	55	55	55	61	60	70	64
55	54	54	55	55	60	59	70	63
55	54	54	54	54	59	58	69	63
53	53	54	54	55	61	58	70	63
54	55	55	55	55	62	60	74	65
55	55	55	56	56	64	60	74	64
55	55	55	56	56	61	59	68	63
53	54	54	55	54	59	59	66	62
53	53	53	54	53	58	57	65	61
52	53	52	54	53	59	57	68	61
52	52	53	55	53	57	57	65	61
52	52	52	53	54	56	57	62	60
51	51	53	53	52	55	56	61	59
50	51	51	52	51	56	55	61	58
49	49	49	51	50	54	54	60	56
49	49	50	51	50	54	54	59	56
49	49	50	49	51	52	54	59	57

1536

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-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
360	111	42	49	49	49	49	50
361	112	0	48	48	48	49	49
362	112	19	48	48	48	51	49
363	112	38	48	48	48	49	48
364	112	56	47	47	48	48	49
365	*	*	*	*	*	*	*
366	113	52	48	47	47	48	48
368	114	11	47	47	48	47	49
369	114	30	47	47	47	47	48
370	114	48	47	47	47	47	49
371	115	7	47	47	47	48	48
372	115	25	48	47	47	48	48
373	115	44	47	47	47	48	49
374	116	3	47	47	48	48	49
375	116	21	48	48	48	48	50
376	116	40	50	49	49	51	51
377	116	59	51	51	50	50	51
378	117	17	52	52	51	51	52
379	117	36	52	51	51	51	51
380	117	54	50	49	50	50	50
381	118	13	51	49	50	50	50
382	118	32	49	49	49	49	49
383	118	50	49	48	48	49	49
384	119	9	49	48	49	49	49
385	119	27	49	48	48	49	49
386	119	46	48	48	48	48	49
387	120	5	48	48	48	49	49
388	120	23	48	48	48	48	49
389	120	42	48	48	48	48	49
390	121	1	48	48	48	48	48
391	121	19	47	48	48	48	49
392	121	38	48	47	47	48	49
393	121	56	48	48	48	48	49
394	122	15	48	48	47	48	49
395	122	34	48	47	48	47	48
396	122	52	48	48	47	48	48
397	123	11	47	47	47	48	49
398	123	29	47	48	47	48	48
399	123	48	47	47	47	48	49
400	124	7	47	48	47	48	49
401	124	25	49	48	48	48	49
402	124	44	49	48	48	48	51
403	125	3	48	49	47	48	49
404	125	21	48	48	48	48	49
405	125	40	47	48	48	48	49
406	125	58	47	48	47	48	48
407	126	17	46	46	47	47	48
408	126	36	47	48	46	48	48
409	126	54	46	47	47	47	48
410	127	13	46	47	46	47	

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
49	49	49	50	49	53	54	59	56
48	48	49	49	51	53	54	58	56
48	48	51	49	49	54	52	58	55
48	48	49	48	49	52	53	56	55
47	48	48	49	49	52	52	56	55
*	*	*	*	*	*	*	*	*
47	47	48	48	49	51	52	56	54
47	48	47	49	48	52	52	56	54
47	47	47	48	48	51	52	55	54
47	47	47	49	49	51	52	56	54
47	47	48	48	48	51	52	55	54
47	47	48	48	48	51	52	55	54
47	47	48	49	48	51	51	55	54
47	48	48	49	49	51	51	55	54
48	48	48	50	49	52	53	57	55
49	49	51	51	51	55	54	61	56
51	50	50	51	51	57	54	64	58
52	51	51	52	52	59	55	65	58
51	51	51	51	52	56	54	62	57
49	50	50	50	50	54	53	59	56
49	50	50	50	50	52	53	58	55
49	49	49	49	50	52	53	57	55
48	48	49	49	50	52	53	56	55
48	49	49	49	50	51	52	56	54
48	48	49	49	50	51	52	56	55
48	48	48	49	50	51	52	56	55
48	48	49	49	49	51	52	56	54
48	48	48	49	49	51	52	55	53
48	48	48	49	50	51	52	56	54
48	48	48	48	49	51	51	55	54
48	48	48	49	49	51	52	55	54
47	47	48	49	49	51	51	55	53
48	48	48	49	49	51	51	55	54
48	47	48	49	48	51	51	55	53
47	48	47	48	49	51	51	55	53
48	47	48	48	49	51	51	55	53
47	47	48	49	48	51	51	55	54
48	47	48	48	48	50	51	55	53
47	47	48	49	48	50	51	55	53
48	47	48	49	48	51	51	55	53
48	48	48	49	50	53	52	58	55
48	48	48	51	49	53	51	59	55
49	47	48	49	49	52	52	59	55
48	48	48	49	48	52	52	61	55
48	48	48	49	48	51	51	61	55
48	47	48	48	48	51	51	62	56
46	47	47	48	48	51	52	62	55
48	46	48	48	48	51	52	62	56
47	47	47	48	48	52	52	62	56
						51	62	56

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-2 ENG. INL L SUR 6. DEG
411	127	31	46	47	46	47	47	4
412	127	50	46	46	46	47	48	4
413	128	9	46	48	46	46	48	4
414	128	27	46	46	46	46	48	4
415	128	46	46	46	46	46	48	4
416	129	5	46	46	46	46	48	4
417	129	23	47	46	46	47	48	4
418	129	42	46	46	46	46	47	4
419	130	0	46	47	46	46	47	4
420	130	19	46	46	46	46	47	4
421	130	38	47	48	46	47	48	4
422	130	56	46	47	46	46	48	4
423	131	15	46	46	45	46	47	4
424	131	34	46	46	46	46	47	4
425	131	52	46	48	46	46	47	4
426	132	11	46	46	46	47	47	4
427	132	29	46	46	47	47	48	4
428	132	48	46	48	47	46	48	4
429	133	7	46	47	46	47	48	4
430	133	25	48	48	47	48	48	4
431	133	44	49	49	48	48	49	4
432	133	59	48	48	48	48	48	4
433	134	21	49	48	48	48	49	5
434	134	40	50	49	49	49	49	5
435	134	58	51	50	50	49	50	5
436	135	17	51	51	50	50	50	5
437	135	36	51	51	50	49	51	5
438	135	54	51	50	5[illegible]	51	51	5
439	136	13	51	51	49	50	49	5
440	136	31	51	50	50	49	49	5
441	136	50	52	51	5[illegible]	51	50	5
442	137	9	52	51	5[illegible]	51	51	5
443	137	27	52	52	52	50	52	5
444	137	46	52	52	51	51	52	5
445	138	4	53	52	51	51	51	5
446	138	23	52	51	51	51	51	5
447	138	42	53	52	52	52	52	5
448	139	0	55	52	52	53	52	5
449	139	19	57	54	54	54	52	5
450	139	37	60	56	55	54	52	5
451	139	56	63	58	57	55	53	5
452	140	15	65	60	58	56	54	5
453	140	33	68	62	60	57	55	5
454	140	52	71	64	62	59	56	5
455	141	10	73	66	64	60	57	5
456	141	29	75	68	65	62	57	5
457	141	48	78	70	67	63	59	6
458	142	6	79	72	69	66	60	6
459	142	25	81	73	71	66	61	6
460	142	43	82	75	72	67	62	6

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
47	46	47	47	48	52	50	62	55
46	46	47	48	48	51	51	62	56
48	46	46	48	47	52	51	62	56
46	46	46	48	47	52	51	62	56
46	46	46	48	47	51	52	62	56
46	46	46	48	47	52	51	63	55
46	46	47	48	47	51	52	62	56
46	46	46	47	47	52	51	63	56
47	46	46	47	47	51	52	62	56
46	46	46	47	46	51	51	62	56
48	46	47	48	48	52	52	62	56
47	46	46	48	48	52	51	63	56
46	46	46	47	46	51	51	62	55
46	45	46	47	46	51	51	62	56
48	46	46	47	47	52	51	62	56
46	46	47	47	47	52	51	62	56
46	47	47	48	48	52	52	62	56
48	47	46	48	48	52	52	62	57
47	46	47	48	48	51	52	62	56
48	47	48	48	49	54	54	64	57
49	48	48	49	49	55	53	63	57
48	48	48	48	48	52	52	61	56
48	48	48	49	50	55	54	63	57
49	49	49	49	50	58	54	64	57
50	50	49	50	51	59	55	64	58
51	50	50	50	51	60	55	65	58
51	50	49	51	51	60	55	65	58
50	50	51	51	51	60	55	64	58
51	49	50	49	51	60	55	64	57
50	50	49	49	51	59	55	64	58
51	51	51	50	51	60	56	66	58
51	51	51	51	51	61	54	68	57
52	52	50	52	51	60	55	72	58
52	51	51	52	51	59	55	72	58
52	51	51	51	51	61	55	74	58
51	51	51	51	52	62	55	76	59
52	52	52	52	53	93	56	132	61
52	52	53	52	52	126	56	166	69
54	54	54	52	52	146	62	183	82
56	55	54	52	54	153	64	184	88
58	57	55	53	55	155	65	184	91
60	58	56	54	55	159	65	184	97
62	60	57	55	56	159	66	183	98
64	62	59	56	58	159	66	182	98
66	64	60	57	58	158	67	181	100
68	65	62	57	58	157	67	181	101
70	67	63	59	60	157	66	175	112
72	69	66	60	61	156	68	172	115
73	71	66	61	62	155	69	171	113
					155	68	170	115

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-2 ENG. INLE LI SURF 6.0 DEG.
461	143	2	85	78	75	69	64	64
462	143	21	86	76	74	69	63	63
463	143	39	86	78	75	69	64	64
464	143	58	87	79	76	71	65	64
465	144	17	88	80	77	72	67	66
466	*	*	*	*	*	*	*	*

6-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
INLET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
SURF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
2.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
78	75	69	64	64	153	69	167	120
76	74	69	63	63	146	64	163	96
78	75	69	64	64	136	64	155	97
79	76	71	65	64	137	66	152	104
80	77	72	67	66	143	68	158	115
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
215	66	32	76	73	81	78
216	66	51	75	73	81	78
217	67	10	75	73	81	78
218	67	29	75	73	80	79
219	67	47	75	73	81	78
220	68	6	75	73	80	78
221	68	25	75	73	80	78
222	68	44	75	73	80	78
223	69	2	75	73	80	79
224	69	21	75	73	80	78
225	69	40	75	73	80	78
226	69	58	75	73	80	78
227	70	17	75	73	80	78
228	70	36	75	73	81	78
229	70	54	75	73	80	78
230	71	13	75	73	80	79
231	71	32	75	73	81	78
232	71	51	75	73	81	78
233	72	9	75	73	80	79
234	72	28	74	73	80	78
235	72	47	75	73	80	78
236	73	5	74	73	80	78
237	73	24	74	73	80	78
238	73	43	74	72	80	78
239	74	1	74	73	79	78
240	74	20	73	73	80	78
241	74	39	74	72	79	78
242	74	57	74	72	79	78
243	75	16	74	72	80	78
244	75	35	73	72	80	78
245	75	54	73	73	79	78
246	76	14	73	72	79	78
247	76	33	74	72	79	78
248	76	52	73	72	79	78
249	77	10	73	72	79	78
250	77	29	73	72	79	78
251	77	48	73	72	79	78
252	78	6	73	73	79	78
253	78	25	73	72	79	78
254	78	44	72	72	79	77
255	79	2	73	72	79	77
256	79	21	73	71	79	77
257	79	40	72	72	79	77
258	79	58	72	72	79	77

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
260	80	36	72	71	78	77
261	80	54	73	72	78	77
262	81	13	72	71	78	77
263	81	32	72	72	80	76
264	81	50	72	72	78	78
265	82	9	72	73	78	76
266	82	28	73	71	79	77
267	82	46	73	71	79	78
268	83	5	72	72	78	76
269	83	24	73	72	78	78
270	83	42	72	71	78	78
271	84	1	72	70	78	77
272	84	20	72	72	78	76
273	84	38	80	72	78	77
274	84	57	85	73	78	77
275	85	16	86	76	78	76
276	85	34	87	79	78	76
277	85	53	85	82	77	77
278	86	12	86	86	76	76
279	86	30	85	88	78	76
280	86	50	86	91	79	77
281	87	9	85	91	82	77
282	87	27	84	93	91	79
283	87	46	85	93	92	80
284	88	5	85	94	91	83
285	88	23	85	95	90	85
286	88	42	84	96	88	87
287	89	1	83	96	88	88
288	89	19	83	96	87	90
289	89	38	83	96	86	90
290	89	57	83	96	86	92
291	90	15	83	97	85	91
292	90	34	83	98	85	93
293	90	53	82	98	85	93
294	91	11	82	98	85	95
295	91	30	82	99	85	94
296	91	49	82	99	84	96
297	92	7	82	99	84	96
298	92	26	82	99	82	96
299	92	45	82	100	83	96
300	93	3	82	99	83	97
301	93	22	82	99	81	96
302	93	41	81	99	82	96
303	93	59	81	100	82	97
304	94	18	81	99	81	97
305	94	37	81	100	82	98
306	94	55	80	100	81	98
307	95	14	81	100	81	98
308	95	33	81	100	81	98

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
310	96	10	81	100	80	98
311	96	28	80	100	80	97
312	96	47	81	99	80	98
313	97	6	80	100	80	98
314	97	24	80	101	80	98
315	97	43	80	100	80	98
316	98	2	81	101	82	101
317	98	20	81	101	81	101
318	98	39	80	101	81	100
319	98	58	80	101	79	99
320	99	16	80	100	80	98
321	99	35	80	101	80	99
322	99	54	79	101	80	98
323	100	12	81	100	79	98
324	100	31	80	101	79	96
325	100	49	79	101	79	97
326	101	8	81	101	79	97
327	101	27	79	102	78	96
328	101	45	80	101	79	96
329	102	4	80	102	79	96
330	102	23	79	102	79	95
331	102	41	79	103	78	95
332	103	0	79	103	78	95
333	103	19	79	103	78	94
334	103	37	79	103	78	95
335	103	56	80	103	78	95
336	104	15	80	103	78	95
337	104	33	80	103	78	95
338	104	52	80	103	78	95
339	105	10	80	104	77	94
340	105	29	80	103	78	95
341	105	48	80	104	78	94
342	106	6	80	103	78	94
343	106	25	79	103	78	93
344	106	44	79	103	77	93
345	107	2	79	103	76	93
346	107	21	80	103	78	95
347	107	40	81	104	77	95
348	107	58	80	104	78	95
349	108	17	80	103	78	96
350	108	36	80	102	77	94
351	108	54	80	102	76	93
352	109	13	80	102	77	95
353	109	31	80	101	77	94
354	109	50	80	101	76	94
355	110	9	79	99	76	95
356	110	27	79	98	75	95
357	110	46	79	97	76	95
358	111	5	79	97	75	95
359	111	23	78	97	75	94

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
360	111	42	79	95	75	95
361	112	0	78	95	74	95
362	112	19	78	94	74	95
363	112	38	78	93	74	95
364	112	56	77	92	73	95
365	*	*	*	*	*	*
366	113	52	77	90	73	95
368	114	11	77	90	73	96
369	114	30	76	90	73	93
370	114	48	76	89	73	94
371	115	7	76	89	73	94
372	115	25	76	88	73	94
373	115	44	76	88	72	94
374	116	3	76	88	73	94
375	116	21	77	88	73	96
376	116	40	77	88	74	97
377	116	59	77	88	75	98
378	117	17	77	89	74	97
379	117	36	78	89	74	97
380	117	54	75	88	74	96
381	118	13	76	88	74	95
382	118	32	75	87	73	95
383	118	50	75	88	73	95
384	119	9	75	88	73	95
385	119	27	75	87	73	95
386	119	46	75	87	72	95
387	120	5	75	87	72	94
388	120	23	74	87	72	95
389	120	42	76	86	72	95
390	121	1	74	86	73	95
391	121	19	74	86	73	95
392	121	38	74	86	72	96
393	121	56	73	86	72	95
394	122	15	75	85	72	96
395	122	34	73	85	71	96
396	122	52	74	85	72	95
397	123	11	74	84	72	96
398	123	29	73	85	72	96
399	123	48	73	85	73	95
400	124	7	73	84	72	96
401	124	25	73	84	74	98
402	124	44	73	85	73	97
403	125	3	72	85	72	96
404	125	21	73	85	73	95
405	125	40	72	85	72	95
406	125	58	73	86	72	93
407	126	17	72	86	72	93
408	126	36	72	88	72	92
409	126	54	72	89	71	91
410	127	13	71	89	72	89

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-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
411	127	31	71	91	71	90
412	127	50	71	91	71	88
413	128	9	71	91	71	88
414	128	27	71	92	71	88
415	128	46	72	92	71	86
416	129	5	72	93	70	86
417	129	23	71	94	71	85
418	129	42	71	94	70	85
419	130	0	71	95	70	84
420	130	19	71	96	70	83
421	130	38	71	96	69	83
422	130	56	71	96	70	84
423	131	15	71	96	70	83
424	131	34	71	96	69	82
425	131	52	72	96	70	82
426	132	11	71	96	70	83
427	132	29	71	98	70	82
428	132	48	71	97	69	82
429	133	7	71	98	69	82
430	133	25	72	98	71	83
431	133	44	72	98	71	83
432	133	59	72	98	69	83
433	134	21	73	99	70	85
434	134	40	73	98	70	85
435	134	58	72	98	70	86
436	135	17	73	98	70	86
437	135	36	73	96	70	86
438	135	54	73	96	70	87
439	136	13	73	96	70	88
440	136	31	73	96	70	88
441	136	50	73	95	70	88
442	137	9	73	95	70	88
443	137	27	73	95	70	88
444	137	46	74	94	71	89
445	138	4	74	95	70	89
446	138	23	74	94	71	89
447	138	42	75	95	70	91
448	139	0	76	93	73	91
449	139	19	77	94	72	92
450	139	37	77	94	73	92
451	139	56	77	93	73	91
452	140	15	77	93	74	91
453	140	33	78	92	73	92
454	140	52	78	93	75	90
455	141	10	79	92	75	89
456	141	29	78	92	75	90
457	141	48	79	91	75	89
458	142	6	79	91	75	89
459	142	25	79	89	75	88

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
461	143	2	80	90	76	88
462	143	21	87	89	76	87
463	143	39	89	90	76	88
464	143	58	89	91	87	87
465	144	17	91	91	92	88
466	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
215	66	35	86	86	82	78	75
216	66	53	86	86	82	78	75
217	67	12	86	86	82	78	74
218	67	31	85	86	82	78	75
219	67	50	87	86	82	79	75
220	68	8	86	86	82	79	75
221	68	27	85	85	81	78	75
222	68	46	85	85	81	78	75
223	69	4	86	85	81	79	75
224	69	23	85	85	81	77	75
225	69	42	85	86	81	78	75
226	70	1	85	85	81	79	74
227	70	19	85	85	80	78	74
228	70	38	85	84	80	78	74
229	70	57	84	85	81	78	74
230	71	15	84	84	80	78	74
231	71	34	85	85	81	78	75
232	71	53	84	84	80	78	74
233	72	11	84	84	80	77	74
234	72	30	84	84	80	78	74
235	72	49	84	83	80	78	73
236	73	8	83	84	80	77	74
237	73	26	83	84	80	77	73
238	73	45	83	83	80	77	73
239	74	4	83	83	80	77	73
240	74	22	83	83	80	77	74
241	74	41	83	82	80	77	73
242	75	0	82	83	80	76	73
243	75	18	83	82	80	77	73
244	75	37	83	83	79	77	73
245	75	56	83	82	79	77	73
246	76	16	82	82	79	76	73
247	76	35	81	82	79	76	73
248	76	54	83	83	78	76	72
249	77	11	82	82	78	76	73
250	77	31	82	82	78	75	73
251	77	50	82	82	78	76	73
252	78	9	82	81	78	76	72
253	78	27	82	80	78	75	72
254	78	46	80	81	78	76	72
255	79	5	81	80	78	75	72
256	79	23	81	80	78	76	71
257	79	42	81	82	77	75	72
258	80	1	80	81	77	76	72
259	80	19	80	81	78	75	72

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

7-06 ENG.1 INIT ITR KIN NBD G.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
86	82	78	75	71	87	75	94	104
86	82	78	75	71	88	74	94	104
86	82	78	74	71	87	74	94	104
86	82	78	75	71	87	75	94	104
86	82	79	75	70	87	74	94	104
86	82	79	75	71	87	74	95	104
85	81	78	75	71	87	74	94	104
85	81	78	75	71	87	75	94	105
85	81	79	75	71	87	74	94	103
85	81	77	75	71	87	74	94	104
86	81	78	75	70	87	74	94	104
85	81	79	74	71	88	74	94	104
85	80	78	74	71	87	74	94	105
84	80	78	74	70	88	74	94	105
85	81	78	74	71	88	75	94	104
84	80	78	74	71	87	74	94	104
85	81	78	75	71	87	74	93	105
84	80	78	74	72	87	74	94	103
84	80	77	74	71	87	74	93	104
84	80	78	74	70	88	74	93	105
83	80	78	73	71	88	74	94	104
84	80	77	74	71	87	73	94	104
84	80	77	73	70	87	73	94	104
83	80	77	73	71	87	74	94	103
83	80	77	73	71	87	73	93	104
83	80	77	74	71	87	73	93	103
82	80	77	73	71	87	73	93	103
83	80	76	73	71	87	73	92	104
82	80	77	73	71	87	73	93	103
83	79	77	73	71	87	73	93	103
82	79	77	73	70	87	73	93	103
82	79	76	73	71	87	73	92	103
82	79	76	73	71	87	73	92	103
83	78	76	72	70	86	72	92	103
82	78	76	73	70	86	72	93	102
82	78	75	73	71	86	72	92	102
82	78	76	73	71	85	72	92	102
82	78	76	72	71	85	73	92	101
81	78	75	72	71	86	72	91	102
80	78	76	72	71	85	72	92	102
81	78	75	72	71	84	72	92	102
80	78	76	71	71	86	73	92	101
80	77	75	72	71	84	72	92	102
82	[illegible]	[illegible]	72	70	85	71	91	102

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
260	80	38	80	80	78	75	71
261	80	57	80	80	77	75	72
262	81	15	80	80	78	75	71
263	81	34	80	80	77	75	72
264	81	53	80	80	78	74	71
265	82	11	80	80	77	75	71
266	82	30	80	80	77	74	71
267	82	49	80	80	77	74	72
268	83	7	79	80	77	75	71
269	83	26	80	80	77	75	71
270	83	45	80	80	76	75	71
271	84	3	80	80	76	75	71
272	84	22	80	80	76	74	80
273	84	41	80	80	76	64	87
274	84	59	80	80	77	66	90
275	85	18	80	80	76	69	96
276	85	37	80	80	76	69	97
277	85	55	80	80	77	68	97
278	86	14	80	79	76	70	96
279	86	33	80	80	76	68	94
280	86	52	82	80	77	69	96
281	87	11	83	81	76	68	95
282	87	30	84	80	77	70	96
283	87	48	85	82	77	68	98
284	88	7	86	82	77	70	97
285	88	26	86	82	77	69	98
286	88	44	87	83	78	67	98
287	89	3	88	84	77	66	99
288	89	22	88	83	77	66	100
289	89	40	88	84	77	66	100
290	89	59	89	85	77	66	101
291	90	18	90	85	77	66	101
292	90	36	91	85	77	65	101
293	90	55	91	87	78	65	102
294	91	14	92	87	78	65	102
295	91	32	93	87	78	65	101
296	91	51	93	87	78	65	102
297	92	10	94	87	78	65	102
298	92	28	94	88	77	64	103
299	92	47	95	88	78	64	103
300	93	5	95	88	79	64	103
301	93	24	95	89	78	64	103
302	93	43	96	88	79	64	103
303	94	1	95	89	79	64	103
304	94	20	96	90	78	64	104
305	94	39	96	89	79	64	103
306	94	57	96	90	79	64	104
307	95	16	96	89	80	64	103
308	95	35	96	90	80	64	104
309	95	53	96	90	79	64	1

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
80	78	75	71	71	84	72	91	101
80	77	75	72	70	85	72	92	101
80	78	75	71	71	84	72	91	102
80	77	75	72	71	84	73	91	101
80	78	74	71	71	84	72	91	100
80	77	75	71	71	84	71	91	100
80	77	74	71	71	84	72	91	100
80	77	74	72	71	83	72	91	100
80	77	75	71	71	84	72	90	101
80	77	75	71	71	85	72	89	100
80	76	75	71	70	84	71	90	100
80	76	75	71	70	84	71	90	100
80	76	74	80	70	83	86	89	98
80	76	64	87	71	82	104	82	90
80	77	66	90	73	80	104	79	88
80	76	69	96	74	79	105	82	89
80	76	69	97	75	78	107	84	90
80	77	68	97	74	78	109	88	94
79	76	70	96	71	80	114	112	114
80	76	68	94	67	82	116	118	121
80	77	69	96	64	82	119	119	126
81	76	68	95	63	84	119	119	127
80	77	70	96	62	84	120	119	128
82	77	68	98	62	84	121	118	129
82	77	70	97	61	85	121	118	129
82	77	69	98	62	84	121	117	122
83	78	67	98	60	84	123	123	130
84	77	66	99	58	83	123	124	134
83	77	66	100	58	82	126	126	136
84	77	66	100	57	83	126	126	137
85	77	66	101	55	82	127	126	139
85	77	66	101	55	82	126	126	139
85	77	65	101	55	82	127	126	139
87	78	65	102	54	82	128	126	139
87	78	65	102	56	82	129	126	139
87	78	65	101	54	82	129	126	139
87	78	65	102	54	82	128	125	139
87	78	65	102	54	82	129	125	139
88	77	64	103	53	81	129	125	138
88	78	64	103	53	82	129	125	139
88	79	64	103	54	81	130	125	139
89	78	64	103	53	80	129	126	138
88	79	64	103	53	81	130	125	137
89	79	64	103	53	81	129	125	138
90	78	64	104	53	81	130	125	138
89	79	64	103	54	81	130	125	137
90	79	64	104	53	81	129	125	139
89	80	64	103	54	80	130	125	138
90	80	64	104	54	81	130	124	138
90	79	64	1	54	81	130	126	136

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
310	96	12	96	90	79	63	104
311	96	31	96	91	78	64	103
312	96	49	97	91	79	64	104
313	97	8	96	91	80	64	103
314	97	27	97	91	80	64	103
315	97	45	98	92	80	64	103
316	98	4	98	91	81	64	103
317	98	23	98	92	79	65	104
318	98	41	98	92	80	64	103
319	99	0	98	92	80	64	103
320	99	18	97	91	80	64	103
321	99	37	98	92	80	64	104
322	99	56	98	91	80	64	105
323	100	14	98	92	79	64	106
324	100	33	99	92	80	64	106
325	100	52	100	93	80	64	106
326	101	10	99	93	80	64	107
327	101	29	100	93	80	64	107
328	101	48	100	93	80	64	108
329	102	6	100	92	80	64	108
330	102	25	101	93	80	63	108
331	102	44	101	93	81	63	108
332	103	2	102	94	80	64	108
333	103	21	102	94	81	64	108
334	103	39	101	94	80	64	108
335	103	58	102	95	80	64	108
336	104	17	101	94	81	64	108
337	104	35	102	95	81	64	109
338	104	54	102	95	81	64	109
339	105	13	102	95	81	64	108
340	105	31	103	95	82	64	109
341	105	50	103	95	82	64	109
342	106	9	102	95	82	63	108
343	106	27	103	95	81	64	109
344	106	46	103	96	81	63	108
345	107	5	104	96	82	62	108
346	107	23	104	96	82	62	108
347	107	42	103	96	82	63	107
348	108	0	104	97	83	64	106
349	108	19	104	98	83	62	104
350	108	38	103	96	83	61	102
351	108	56	101	97	83	60	101
352	109	15	102	97	82	60	102
353	109	34	102	97	82	60	100
354	109	52	102	96	82	59	99
355	110	11	101	96	82	59	97
356	110	30	101	95	81	57	96
357	110	48	99	94	81	56	95
358	111	7	98	93	80	57	93
359	111	25	98	94	80	55	93

06 .1 IT TR IN 80 .C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD OEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 OEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 OEG.C
0	79	63	104	53	81	130	125	138
1	78	64	103	53	80	131	123	138
1	79	64	104	54	80	130	124	138
1	80	64	103	53	80	130	124	138
1	80	64	103	54	80	130	124	138
2	80	64	103	53	80	130	124	138
1	81	64	103	55	80	130	119	128
2	79	65	104	56	80	129	116	129
2	80	64	103	57	81	129	116	126
2	80	64	103	54	81	130	126	136
1	80	64	103	53	80	132	129	141
2	80	64	104	52	80	132	131	144
1	80	64	105	51	81	133	132	144
2	79	64	106	50	81	134	132	146
2	80	64	106	51	80	134	131	146
3	80	64	106	52	80	136	132	146
3	80	64	107	51	81	135	131	146
3	80	64	107	52	81	136	131	145
3	80	64	108	51	81	136	132	146
2	80	64	108	51	81	136	132	145
3	80	63	108	50	81	136	131	146
3	81	63	108	51	81	136	131	146
4	80	64	108	50	81	137	132	146
4	81	64	108	51	81	136	132	146
4	80	64	108	51	81	137	132	146
5	80	64	108	50	82	136	132	147
4	81	64	108	51	82	137	131	145
5	81	64	109	51	81	137	131	147
5	81	64	109	51	81	137	133	146
5	81	64	108	51	82	138	131	145
5	82	64	109	51	82	138	132	146
5	82	64	109	51	81	137	132	146
5	82	63	108	51	81	138	131	146
5	81	64	109	50	81	137	132	146
96	81	63	108	52	81	137	131	146
96	82	62	108	51	81	137	130	146
6	82	62	108	51	80	135	126	141
6	82	63	107	55	81	134	109	123
6	83	64	106	57	80	130	101	115
7	83	62	104	58	79	129	97	111
8	83	61	102	58	79	129	109	119
6	83	60	101	55	77	129	121	130
97	83	60	102	57	77	128	112	121
97	82	60	100	58	77	126	98	111
7	82	60	99	59	75	124	103	111
6	82	59	97	59	74	122	105	110
6	82	59	96	59	74	121	105	110
5	81	57	95	59	74	120	105	109
4	81	56	93	60	72	119	105	108
3	80	57	93	60	72	117	104	108
4	80	55						

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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7- ENG FU PU CA TE DEG
360	111	44	98	94	79	56	93	
361	112	3	97	93	80	56	93	
362	112	21	96	93	79	56	92	
363	112	40	96	92	78	54	91	
364	112	59	96	92	78	55	90	
365	*	*	*	*	*	*	*	
366	113	54	94	90	77	54	89	
368	114	13	94	89	77	54	88	
369	114	32	94	90	77	55	88	
370	114	50	94	89	77	54	88	
371	115	9	93	90	76	54	88	
372	115	28	93	89	76	54	87	
373	115	46	94	89	76	55	87	
374	116	5	92	89	76	55	87	
375	116	23	92	89	76	56	87	
376	116	42	93	88	76	56	88	
377	117	1	92	88	77	58	87	
378	117	19	93	87	77	59	89	
379	117	38	92	88	77	56	88	
380	117	57	91	88	77	56	87	
381	118	15	91	88	77	56	87	
382	118	34	91	87	77	56	86	
383	118	52	91	87	76	55	86	
384	119	11	90	87	76	55	85	
385	119	30	89	87	76	55	85	
386	119	48	89	87	76	54	84	
387	120	7	88	87	76	55	85	
388	120	26	88	85	75	54	84	
389	120	44	89	86	75	55	83	
390	121	3	88	86	75	56	83	
391	121	21	88	85	75	55	82	
392	121	40	88	85	75	55	83	
393	121	59	88	84	74	55	82	
394	122	17	87	84	75	55	82	
395	122	36	87	84	74	55	82	
396	122	54	87	84	74	55	82	
397	123	13	87	83	74	55	82	
398	123	32	87	83	73	55	82	
399	123	50	87	83	73	54	82	
400	124	9	87	83	73	54	82	
401	124	28	87	82	73	57	82	
402	124	46	86	82	72	56	83	
403	125	5	86	82	72	55	84	
404	125	23	86	80	73	55	88	
405	125	42	87	82	73	56	90	
406	126	1	87	82	72	55	92	
407	126	19	88	82	73	56	94	
408	126	38	89	82	73	58	95	
409	126	56	90	82	73	57	96	
410	127	15	91	83	73	56		

-06	7-07	7-08	7-09	7-10	7-11	7-13	7-14	7-15
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
CITR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
KIN	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.3	STG.4
NBD	OUTBD	TEMP	OIL	TEMP	4.30	OIL	6.00	3.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
94	79	56	93	59	72	117	103	108
93	80	56	93	59	71	116	102	108
93	79	56	92	59	71	115	102	107
92	78	54	91	59	70	115	102	108
92	78	55	90	59	71	113	102	107
*	*	*	*	*	*	*	*	*
90	77	54	89	60	69	113	102	107
89	77	54	88	60	69	112	102	105
90	77	55	88	59	69	112	102	105
89	77	54	88	59	68	111	101	105
90	76	54	88	59	68	111	102	106
89	76	54	87	59	69	111	102	105
89	76	55	87	59	67	110	102	105
89	76	55	87	58	69	111	102	106
89	76	56	87	60	68	111	99	103
88	76	56	88	60	69	110	98	102
88	77	58	87	61	69	110	91	98
87	77	59	89	62	70	110	89	97
88	77	56	88	63	70	110	91	97
88	77	56	87	62	70	110	87	94
88	77	56	87	63	69	109	84	94
87	77	56	86	63	67	108	83	91
87	76	55	86	64	67	108	82	92
87	76	55	85	64	66	108	82	90
87	76	55	85	63	66	107	82	90
87	76	54	84	64	65	106	82	90
87	76	55	85	64	66	106	82	91
85	75	54	84	64	66	106	82	90
86	75	55	83	64	65	105	83	89
86	75	56	83	64	65	105	82	89
85	75	55	82	64	64	104	82	88
85	75	55	83	64	65	105	82	89
84	74	55	82	64	65	105	82	89
84	75	55	82	64	65	105	82	88
84	74	55	82	64	65	103	82	89
84	74	55	82	64	64	104	81	88
83	74	55	82	64	64	104	82	88
83	73	55	82	64	65	104	82	89
83	73	54	82	64	64	104	80	88
83	73	54	82	64	64	103	81	89
82	73	57	82	63	66	104	88	94
82	72	56	83	59	67	107	104	109
82	72	55	84	54	69	111	117	125
80	73	55	88	53	70	116	123	132
82	73	56	90	52	71	118	126	135
82	72	55	92	51	71	121	126	139
82	73	56	94	50	71	123	126	140
82	73	58	95	50	72	125	128	141
82	73	57	96	50	72	127	126	143
83	73	56		50	72	127	127	143

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
411	127	34	92	83	73	56	98
412	127	52	91	83	73	56	98
413	128	11	92	83	73	57	99
414	128	29	92	84	73	56	99
415	128	48	93	84	73	56	100
416	129	7	93	85	74	55	100
417	129	25	93	85	74	56	101
418	129	44	94	85	74	55	101
419	130	3	95	86	73	55	101
420	130	21	94	86	73	55	102
421	130	40	94	87	74	56	101
422	130	59	95	87	75	56	102
423	131	17	95	87	74	55	102
424	131	36	95	88	74	54	102
425	131	54	95	87	74	56	102
426	132	13	96	88	74	55	104
427	132	32	96	88	74	56	103
428	132	50	96	87	75	56	103
429	133	9	96	88	75	57	105
430	133	27	96	88	75	56	103
431	133	46	97	89	75	57	102
432	134	5	96	89	75	56	101
433	134	23	97	88	76	57	100
434	134	42	96	89	75	57	99
435	135	1	96	89	76	58	99
436	135	19	97	88	75	57	98
437	135	38	96	89	74	57	97
438	135	56	95	88	75	58	96
439	136	15	96	88	76	56	95
440	136	34	94	87	75	58	95
441	136	52	95	87	76	58	96
442	137	11	94	88	77	58	96
443	137	29	94	89	76	61	96
444	137	48	93	88	77	59	96
445	138	7	93	90	77	59	96
446	138	25	93	89	78	59	96
447	138	44	93	89	79	66	96
448	139	2	93	89	82	70	96
449	139	21	94	89	84	75	95
450	139	40	95	90	87	79	96
451	139	58	94	91	89	81	96
452	140	17	96	92	91	84	95
[illegible]	140	35	96	93	93	84	95
454	140	54	97	93	94	86	95
455	141	13	97	94	94	87	95
456	141	31	97	95	96	89	95
457	141	50	99	95	97	91	94
458	142	8	99	96	97	92	95
459	142	27	99	96	98	93	95
460	142	45	101	97	99	94	94

7-06 ENG.1 NIT CITR SKIN NBD G.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
83	73	56	98	50	73	128	126	143
83	73	56	98	48	73	128	127	143
83	73	57	99	50	72	129	127	143
84	73	56	99	49	74	130	127	143
84	73	56	100	50	73	131	128	142
85	74	55	100	49	72	130	127	142
85	74	56	101	49	73	131	127	143
85	74	55	101	50	72	132	127	144
86	73	55	101	49	73	132	128	143
86	73	55	102	49	73	132	128	142
87	74	56	101	49	73	133	128	143
87	75	56	102	49	72	133	128	143
87	74	55	102	50	73	133	127	143
88	74	54	102	49	72	134	127	144
87	74	56	102	49	73	135	128	142
88	74	55	104	49	73	134	127	143
88	74	56	103	49	74	135	129	143
87	75	56	103	49	73	135	128	144
88	75	57	105	49	73	135	128	144
88	75	56	103	51	73	131	116	130
89	75	57	102	53	74	129	111	125
89	75	56	101	51	72	131	121	135
88	76	57	100	54	72	127	112	122
89	75	57	99	55	73	126	107	115
89	76	58	99	56	73	123	105	112
88	75	57	98	57	73	122	104	110
89	74	57	97	58	73	121	104	109
88	75	58	96	58	73	119	104	107
88	76	56	95	59	73	119	104	109
87	75	58	95	58	73	119	106	112
87	76	58	96	58	74	120	108	115
88	77	58	96	58	73	118	103	110
89	76	61	96	60	74	117	89	98
88	77	59	96	61	72	115	82	93
90	77	59	96	61	72	114	79	89
89	78	59	96	63	72	113	77	86
89	79	66	96	63	71	111	73	80
89	82	70	96	63	72	111	70	78
89	84	75	95	64	74	112	69	76
90	87	79	96	64	76	111	71	75
91	89	81	96	64	75	109	72	77
92	91	84	95	64	77	108	73	76
93	93	84	95	64	77	106	73	78
93	94	86	95	64	79	105	74	79
94	94	87	95	64	79	105	75	80
95	96	89	95	64	80	104	75	80
95	97	91	94	65	82	104	76	82
96	97	92	95	64	83	103	78	83
96	98	93	95	65	83	102	78	84
97	99	94	94	65	85	103	79	85

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
461	143	4	101	96	100	82	95
462	143	23	101	98	97	80	96
463	143	42	100	98	96	83	96
464	144	0	102	98	100	88	96
465	144	19	101	99	100	91	96
466	*	*	*	*	*	*	*

-06	7-07	7-08	7-09	7-10	7-11	7-13	7-14	7-15
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
KIN	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.3	STG.4
NBD	OUTBD	TEMP	OIL	TEMP	4.30	OIL	6.00	3.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
96	100	82	95	66	87	117	78	84
98	97	80	96	67	83	116	72	80
96	96	83	96	67	82	112	71	77
98	100	88	96	68	81	113	71	75
99	100	91	96	69	82	110	71	76
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7- ENG C COOL C INL DEG
215	66	35	99	96	66	98	80	
216	66	53	99	95	67	99	80	
217	67	12	99	95	67	99	80	
218	67	31	100	96	67	98	80	
219	67	50	99	95	68	99	79	
220	68	8	100	96	67	98	80	
221	68	27	100	96	68	98	80	
222	68	46	100	96	67	99	79	
223	69	4	99	95	67	98	79	
224	69	23	100	96	67	98	79	
225	69	42	99	95	68	99	78	
226	70	1	99	96	67	98	78	
227	70	19	100	95	68	98	79	
228	70	38	100	95	69	99	78	
229	70	57	100	96	68	98	79	
230	71	15	100	95	69	98	78	
231	71	34	99	96	66	98	78	
232	71	53	100	95	67	98	78	
233	72	11	100	95	67	98	78	
234	72	30	99	95	67	98	78	
235	72	49	99	95	67	97	78	
236	73	8	99	95	64	98	78	
237	73	26	98	94	62	99	77	
238	73	45	99	95	63	98	77	
239	74	4	99	95	62	97	77	
240	74	22	98	94	65	98	77	
241	74	41	99	94	65	97	78	
242	75	0	99	94	66	97	77	
243	75	18	98	95	65	97	77	
244	75	37	98	94	66	97	77	
245	75	56	98	94	66	97	77	
246	76	16	99	93	63	97	76	
247	76	35	98	93	63	97	76	
248	76	54	98	93	63	97	76	
249	77	11	98	93	63	98	75	
250	77	31	99	93	63	97	76	
251	77	50	97	93	64	97	76	
252	78	9	97	93	64	97	76	
253	78	27	97	94	63	96	76	
254	78	46	97	93	67	96	75	
255	79	5	97	92	64	96	76	
256	79	23	97	93	62	97	76	
257	79	42	97	92	63	96	76	
258	80	1	96	92	62	97	76	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

7-17 G.1 MPRS CSE G.4 .00 G.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
96	66	98	80	81	181	117	83	174
95	67	99	80	81	181	116	82	174
95	67	99	80	82	181	116	82	173
96	67	98	80	82	180	115	82	173
95	68	99	79	80	180	114	82	172
96	67	98	80	81	179	114	82	172
96	68	98	80	81	179	113	82	171
96	67	99	79	80	178	113	82	171
95	67	98	79	80	178	112	82	170
96	67	98	79	81	177	112	82	169
95	68	99	78	80	177	111	82	169
96	67	98	78	80	177	110	81	167
95	68	98	79	80	177	110	81	167
95	69	99	78	80	177	110	82	167
96	68	98	79	80	175	109	81	167
95	69	98	78	80	175	108	81	166
96	66	98	78	80	175	107	80	165
95	67	98	78	80	175	107	80	165
95	67	98	78	80	174	107	80	165
95	67	98	78	80	174	106	80	164
95	67	97	78	80	173	105	80	163
95	64	98	78	79	173	105	80	163
94	62	99	77	79	173	104	80	163
95	63	98	77	79	172	105	80	163
95	62	97	77	79	172	104	80	162
94	65	98	77	79	172	103	80	161
94	65	97	78	78	171	103	80	161
94	66	97	77	79	171	102	80	161
95	65	97	77	79	170	102	80	161
94	66	97	77	79	170	102	80	160
94	66	97	77	79	169	100	80	160
93	63	97	76	78	168	98	79	157
93	63	97	76	78	167	98	79	157
93	63	97	76	78	167	97	79	157
93	63	98	75	78	167	97	79	156
93	63	97	76	77	166	97	79	156
93	64	97	76	78	166	97	78	155
93	64	97	76	77	165	97	78	155
94	63	96	76	77	165	96	78	155
93	67	96	75	77	165	96	78	155
92	64	96	76	77	165	96	78	155
93	62	97	76	77	164	95	78	154
92	63	96	76	77	164	95	78	153
92	62	97	76	78	163	94	79	152
92	62	97	75	77	163	94	79	153

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	C
260	80	38	96	92	61	97	76	
261	80	57	96	92	64	96	75	
262	81	15	97	92	64	95	76	
263	81	34	96	91	64	96	75	
264	81	53	96	92	63	96	75	
265	82	11	96	92	62	96	76	
266	82	30	96	92	63	95	76	
267	82	49	96	92	62	96	76	
268	83	7	97	92	62	96	75	
269	83	26	96	92	63	96	75	
270	83	45	96	91	62	95	75	
271	84	3	96	90	62	95	75	
272	84	22	95	92	63	94	75	
273	84	41	90	87	60	94	81	
274	84	59	88	84	64	90	95	
275	85	18	87	85	67	89	96	
276	85	37	87	86	66	89	96	
277	85	55	89	87	68	92	93	
278	86	14	102	103	69	101	87	
279	86	33	113	114	63	121	85	
280	86	52	118	119	64	138	88	
281	87	11	121	122	62	145	88	
282	87	30	122	123	65	150	90	
283	87	48	121	123	64	153	91	
284	88	7	119	124	63	155	90	
285	88	26	117	124	64	150	90	
286	88	44	122	127	60	148	90	
287	89	3	126	128	61	155	91	
288	89	22	129	130	61	160	91	
289	89	40	131	131	61	164	92	
290	89	59	131	132	61	166	93	
291	90	18	130	132	60	167	92	
292	90	36	131	132	60	168	93	
293	90	55	131	131	60	168	93	
294	91	14	131	132	59	168	93	
295	91	32	130	133	60	168	93	
296	91	51	130	132	60	168	93	
297	92	10	130	132	60	169	94	
298	92	28	131	132	60	169	94	
299	92	47	130	132	59	168	94	
300	93	5	130	132	59	168	94	
301	93	24	129	132	59	168	94	
302	93	43	129	132	59	167	94	
303	94	1	130	132	59	167	94	
304	94	20	130	131	59	168	94	
305	94	39	130	132	58	167	94	
306	94	57	130	131	59	168	93	
307	95	16	131	132	59	167	94	
308	95	35	130	131	58	168	95	
309	95	53	130	130	59	167		

7-17 ENG.1 PRS CSE TG.4 .00 TG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
92	61	97	76	77	163	94	78	152
92	64	96	75	77	163	94	78	152
92	64	95	76	77	162	94	78	152
91	64	96	75	77	162	93	78	151
92	63	96	75	77	161	93	77	150
92	62	96	76	76	161	94	77	150
92	63	95	76	77	161	93	77	151
92	62	96	76	77	161	93	77	148
92	62	96	75	76	161	93	77	149
92	63	96	75	77	161	92	77	148
91	62	95	75	77	161	92	78	149
90	62	95	75	76	161	91	77	148
92	63	94	75	75	160	92	75	146
87	60	94	81	104	156	100	99	152
84	64	90	95	103	173	131	100	178
85	67	89	96	105	197	173	99	215
86	66	89	96	107	216	217	98	251
87	68	92	93	109	250	264	97	282
03	69	101	87	114	333	320	94	306
14	63	121	85	116	364	366	95	328
19	64	138	88	118	369	401	97	346
22	62	145	88	119	372	420	97	359
23	65	150	90	119	370	436	99	369
23	64	153	91	121	373	444	99	376
24	63	155	90	122	362	444	99	378
24	64	150	90	121	355	440	99	374
27	60	148	90	123	387	449	100	383
28	61	155	91	124	402	464	100	401
30	61	160	91	126	407	477	101	416
31	61	164	92	126	410	488	101	422
32	61	166	93	126	409	498	102	431
32	60	167	92	127	411	505	103	435
32	60	168	93	127	412	511	104	439
31	60	168	93	126	412	515	103	441
32	59	168	93	129	410	517	103	441
33	60	168	93	129	412	518	104	443
32	60	168	93	129	412	519	103	443
32	60	169	94	129	410	520	104	444
32	60	169	94	129	410	520	104	445
32	59	168	94	129	408	521	104	444
32	59	168	94	129	410	521	105	445
32	59	168	94	129	410	521	104	447
32	59	167	94	129	408	521	104	447
32	59	167	94	129	410	521	103	448
31	59	168	94	129	410	520	104	446
32	58	167	94	130	409	523	105	446
31	59	168	93	130	410	521	104	446
32	59	167	94	130	408	521	104	445
31	58	168	95	130	408	522	104	448
30	59	167	94	130	408	521	105	444

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2.

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-2 ENG. OI COOLE OI INLE DEG.
310	96	12	131	131	58	168	94	130
311	96	31	129	131	59	167	94	130
312	96	49	129	131	58	167	94	131
313	97	8	129	130	59	167	94	130
314	97	27	129	130	58	167	94	130
315	97	45	129	131	59	168	93	130
316	98	4	125	128	59	166	95	129
317	98	23	121	126	62	160	96	128
318	98	41	119	125	58	155	93	128
319	99	0	126	129	58	155	93	129
320	99	18	132	132	59	160	94	13:
321	99	37	134	136	59	166	95	13:
322	99	56	136	137	57	169	95	13:
323	100	14	137	138	58	171	96	13
324	100	33	136	138	58	173	96	13
325	100	52	137	138	58	172	97	13
326	101	10	137	138	58	173	96	13
327	101	29	138	139	58	173	96	13
328	101	48	137	139	58	173	96	13
329	102	6	138	138	58	173	97	13
330	102	25	137	139	58	173	97	13
331	102	44	136	138	59	173	97	13
332	103	2	136	139	58	173	97	13
333	103	21	137	139	58	173	97	13
334	103	39	138	140	58	173	98	13
335	103	58	137	139	59	173	98	13
336	104	17	138	139	58	173	98	13
337	104	35	137	140	58	174	97	13
338	104	54	137	139	58	173	97	13
339	105	13	137	139	58	173	98	13
340	105	31	137	139	59	173	97	13
341	105	50	136	139	58	174	97	13
342	106	9	137	139	58	172	98	13
343	106	27	136	139	57	173	96	13
344	106	46	136	138	56	173	96	13
345	107	5	137	138	55	173	96	13
346	107	23	134	137	56	172	96	13
347	107	42	124	127	57	168	95	13
348	108	0	116	116	59	155	96	13
349	108	19	112	109	56	143	93	13
350	108	38	111	113	55	134	91	13
351	108	56	120	121	55	139	91	13
352	109	15	120	121	54	149	92	13
353	109	34	113	112	55	147	89	13
354	109	52	109	109	54	137	87	13
355	110	11	107	110	52	131	86	13
356	110	30	105	112	52	130	84	13
357	110	48	105	112	51	129	84	13
358	111	7	104	111	51	129	84	13
[illegible]	111	25	104	110	51	128	83	13

-17	7-18	7-21	7-22	7-23	7-24	7-25	7-26	7-27
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
PRS	OIL	COMPRS	OIL	OIL	GAS	POWER	OIL	POWER
CSE	COOLER	CSE	COOLER	COOLER	GN TRB	TURB	COOLER	TURB
G.4	AIR	STG.5	AIR	OIL	CSE	CASE	OIL	CASE
00	INLET	6.00	OUTLET	INLET	12.00	4.00	OUTLET	12.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
31	58	168	94	130	409	520	104	446
1	59	167	94	130	408	520	104	448
31	58	167	94	131	408	520	104	447
30	59	167	94	130	408	522	103	449
30	58	167	94	130	408	520	104	446
31	59	168	93	130	409	521	104	446
28	59	166	95	129	378	509	104	440
26	62	160	96	128	368	491	104	426
25	58	155	93	128	363	477	103	417
29	58	155	93	129	418	494	104	427
32	59	160	94	131	438	521	105	445
36	59	166	95	131	444	543	106	460
37	57	169	95	133	447	557	107	473
38	58	171	96	134	448	567	107	480
38	58	173	96	134	447	574	107	484
38	58	172	97	134	449	577	108	487
38	58	173	96	135	448	580	108	491
39	58	173	96	136	446	582	107	491
39	58	173	96	136	448	581	109	494
38	58	173	97	136	446	585	109	493
39	58	173	97	136	448	583	108	495
38	59	173	97	136	447	584	109	496
39	58	173	97	136	449	584	109	496
39	58	173	97	136	446	586	109	494
40	58	173	98	137	447	586	109	495
39	59	173	98	137	446	585	109	494
39	58	173	98	137	446	585	109	495
40	58	174	97	137	447	585	109	495
39	58	173	97	138	448	586	110	496
39	58	173	98	137	449	585	109	498
39	59	173	97	137	448	586	110	495
39	58	174	97	137	449	585	110	499
39	58	172	98	137	447	584	109	496
39	57	173	96	137	450	584	109	496
38	56	173	96	137	445	584	108	496
38	55	173	96	137	444	586	109	495
37	56	172	96	136	423	577	108	488
37	57	168	95	134	369	545	104	471
16	59	155	96	131	330	511	103	451
9	56	143	93	128	315	481	101	430
13	55	134	91	129	345	462	101	413
21	55	139	91	129	411	483	101	424
21	54	149	92	127	386	489	101	433
22	55	147	89	126	339	475	98	421
09	54	137	87	123	323	452	98	404
10	52	131	86	122	324	436	96	392
12	52	130	84	121	323	421	95	383
12	51	129	84	119	325	414	95	377
11	51	129	84	118	324	408	92	372
10	51	128	83	117	323	404	92	368

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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-2 ENG. OI COOLE OI INLE DEG.
360	111	44	103	111	50	127	84	11
361	112	3	103	111	50	127	82	11
362	112	21	103	110	50	127	82	11
363	112	40	103	110	51	129	82	11
364	112	59	102	109	49	127	82	11
365	*	*	*	*	*	*	*	*
366	113	54	102	109	49	127	80	11
368	114	13	101	110	49	126	80	11
369	114	32	101	109	50	127	79	11
370	114	50	101	109	49	126	80	11
371	115	9	100	108	51	125	80	11
372	115	28	101	108	51	126	79	11
373	115	46	100	108	49	126	79	11
374	116	5	101	108	50	125	79	11
375	116	23	100	107	51	126	81	11
376	116	42	99	104	51	123	80	11
377	117	1	98	99	51	121	80	11
378	117	19	96	96	55	117	82	11
379	117	38	97	96	52	113	78	11
380	117	57	96	94	51	112	79	10
381	118	15	95	92	50	110	78	11
382	118	34	94	89	50	107	78	10
383	118	52	94	87	51	105	78	10
384	119	11	93	87	51	104	79	10
385	119	30	92	87	49	103	77	10
386	119	48	92	87	51	102	77	10
387	120	7	92	87	51	103	77	10
388	120	26	92	87	50	102	77	10
389	120	44	91	86	49	102	77	10
390	121	3	92	86	51	101	77	10
391	121	21	92	86	49	101	77	10
392	121	40	92	86	49	101	76	10
393	121	59	92	85	49	101	76	10
394	122	17	92	86	49	100	76	10
395	122	36	91	85	49	101	76	10
396	122	54	91	86	49	101	76	10
397	123	13	91	85	49	101	76	10
398	123	32	90	86	49	101	75	10
399	123	50	92	85	49	100	75	10
400	124	9	91	85	49	101	75	10
401	124	28	91	88	53	102	77	1
402	124	46	100	100	50	110	77	1
403	125	5	113	112	50	128	79	1
404	125	23	124	121	49	144	81	1
405	125	42	129	126	51	155	82	1
406	126	1	133	130	49	162	84	1
407	126	19	133	131	49	166	85	1
408	126	38	135	133	52	168	86	1
409	126	56	136	134	50	170	87	1
410	127	15	135	134	49	171		1

7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
111	50	127	84	116	322	401	92	365
111	50	127	82	116	321	399	91	361
110	50	127	82	115	322	398	91	359
110	51	129	82	115	323	396	90	358
109	49	127	82	114	323	394	90	355
*	*	*	*	*	*	*	*	*
109	49	127	80	113	322	392	88	355
110	49	126	80	112	321	391	89	355
109	50	127	79	112	320	390	88	353
109	49	126	80	111	317	389	88	352
108	51	125	80	111	318	388	88	351
108	51	126	79	111	319	388	89	351
108	49	126	79	111	320	388	88	351
108	50	125	79	111	320	388	88	352
107	51	126	81	111	313	387	87	353
104	51	123	80	111	305	387	89	350
99	51	121	80	110	293	385	89	351
96	55	117	82	110	288	383	90	351
96	52	113	78	110	290	383	87	351
94	51	112	79	109	288	381	87	353
92	50	110	78	110	286	379	86	353
89	50	107	78	109	282	376	87	352
87	51	105	78	108	282	374	85	354
87	51	104	79	107	282	373	86	354
87	49	103	77	107	282	371	87	354
87	51	102	77	106	281	371	85	354
87	51	103	77	106	281	369	84	351
87	50	102	77	105	281	367	84	353
86	49	102	77	106	281	368	84	350
86	51	101	77	105	281	367	84	350
86	49	101	77	105	281	367	83	351
86	49	101	76	104	280	366	83	350
85	49	101	76	104	281	366	82	351
86	49	100	76	104	280	365	82	350
85	49	101	76	104	279	365	82	349
86	49	101	76	104	280	365	82	349
85	49	101	76	103	280	364	82	350
86	49	101	75	103	279	366	81	350
85	49	100	75	103	279	365	82	350
85	49	101	75	103	278	365	83	348
88	53	102	77	104	288	367	85	345
100	50	110	77	107	343	391	85	354
112	50	128	79	112	416	438	89	383
121	49	144	81	114	439	469	92	420
126	51	155	82	117	446	525	94	446
130	49	162	84	121	451	549	96	465
131	49	166	85	122	449	566	95	476
133	52	168	86	125	452	577	97	485
134	50	170	87	126	449	585	97	491
134	49	171		126	450	591	99	496

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	E CO I D
411	127	34	135	134	49	171	88	
412	127	52	135	135	50	171	88	
413	128	11	134	134	48	170	88	
414	128	29	134	134	49	171	88	
415	128	48	134	135	49	170	89	
416	129	7	134	134	49	170	90	
417	129	25	135	135	49	171	90	
418	129	44	134	134	49	170	91	
419	130	3	134	135	49	171	89	
420	130	21	133	134	48	171	92	
421	130	40	134	134	50	170	90	
422	130	59	134	134	49	170	92	
423	131	17	134	135	49	171	92	
424	131	36	135	135	50	171	91	
425	131	54	133	134	49	170	92	
426	132	13	134	135	49	170	92	
427	132	32	134	135	50	170	92	
428	132	50	135	134	50	169	92	
429	133	9	135	134	49	170	93	
430	133	27	126	129	53	169	92	
431	133	46	116	122	51	161	88	
432	134	5	123	125	50	156	89	
433	134	23	117	123	49	157	89	
434	134	42	111	118	51	150	87	
435	135	1	105	114	55	142	89	
436	135	19	104	113	52	135	87	
437	135	38	102	112	51	132	87	
438	135	56	102	112	51	129	86	
439	136	15	102	111	51	127	86	
440	136	34	105	112	52	131	86	
441	136	52	107	113	53	135	87	
442	137	11	108	112	51	140	91	
443	137	29	100	103	54	136	93	
444	137	48	93	95	55	125	92	
445	138	7	88	90	55	114	91	
446	138	25	86	84	53	105	92	
447	138	44	80	80	57	98	101	
448	139	2	78	78	58	92	102	
449	139	21	76	75	68	87	93	
450	139	40	75	75	73	85	89	
451	139	58	75	74	73	85	90	
452	140	17	76	75	78	84	91	
453	140	35	76	74	79	84	92	
454	140	54	77	76	80	85	93	
455	141	13	77	77	76	85	93	
456	141	31	77	77	77	87	93	
457	141	50	79	78	75	87	94	
458	142	8	79	79	74	88	95	
459	142	27	79	79	71	90	96	
460	142	46	81	80	72	90	96	

7-17	7-18	7-21	7-22	7-23	7-24	7-25	7-26	7-27
.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
RS	OIL	COMPRS	OIL	OIL	GAS	POWER	OIL	POWER
CSE	COOLER	CSE	COOLER	COOLER	GN TRB	TURB	COOLER	TURB
.4	AIR	STG.5	AIR	OIL	CSE	CASE	OIL	CASE
00	INLET	6.00	OUTLET	INLET	12.00	4.00	OUTLET	12.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
4	49	171	88	127	448	596	99	499
5	50	171	88	129	447	598	100	504
4	48	170	88	130	446	599	101	505
4	49	171	88	130	448	601	101	504
5	49	170	89	130	446	602	101	504
4	49	170	90	130	448	602	102	507
5	49	171	90	132	448	602	103	506
4	49	170	91	132	446	602	103	506
5	49	171	89	132	447	604	102	506
4	48	171	92	132	446	602	102	507
4	50	170	90	132	447	604	103	507
4	49	170	92	133	448	603	103	508
5	49	171	92	134	448	603	103	509
5	50	171	91	134	448	606	104	508
4	49	170	92	134	446	604	105	509
5	49	170	92	135	447	604	104	508
5	50	170	92	134	446	604	105	506
4	50	169	92	135	446	605	104	506
4	49	170	93	135	448	606	105	507
9	53	169	92	132	387	573	103	486
2	51	161	88	129	362	532	99	458
5	50	156	89	130	418	531	102	453
3	49	157	89	127	370	517	99	446
8	51	150	87	126	334	488	98	428
4	55	142	89	123	320	461	98	409
3	52	135	87	122	317	441	96	396
2	51	132	87	121	316	426	97	387
2	51	129	86	120	316	419	96	382
1	51	127	86	119	319	416	95	376
2	52	131	86	119	335	417	96	377
3	53	135	87	119	345	422	96	378
2	51	140	91	118	339	427	98	383
3	54	136	93	117	310	427	98	386
5	55	125	92	116	289	428	97	390
0	55	114	91	114	273	431	96	394
4	53	105	92	113	265	431	97	400
0	57	98	101	112	269	424	107	394
8	58	92	102	110	272	408	108	380
5	68	87	93	109	273	391	107	367
3	73	85	89	109	273	376	107	356
4	73	85	90	107	273	363	106	349
5	78	84	91	107	270	354	105	343
4	79	84	92	107	270	344	104	338
6	80	85	93	106	268	337	104	332
7	76	85	93	106	267	329	104	328
7	77	87	93	106	265	324	104	324
8	75	87	94	106	264	318	103	321
9	74	88	95	105	263	314	104	319
9	71	90	96	105	261	309	104	315
9	72	90	96	105	259	305	103	313

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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7- ENG C COOL C INL DEG
461	143	4	81	80	70	90	96	11
462	143	23	79	78	68	89	99	11
463	143	42	75	75	70	86	101	11
464	144	0	73	74	71	83	99	11
465	144	19	73	73	72	82	98	11
466	*	*	*	*	*	*	*	

-17	7-18	7-21	7-22	7-23	7-24	7-25	7-26	7-27
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
PRS	OIL	COMPRS	OIL	OIL	GAS	POWER	OIL	POWER
CSE	COOLER	CSE	COOLER	COOLER	GN TRB	TURB	COOLER	TURB
G.4	AIR	STG.5	AIR	OIL	CSE	CASE	OIL	CASE
.00	INLET	6.00	OUTLET	INLET	12.00	4.00	OUTLET	12.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
80	70	90	96	113	255	301	102	310
78	68	89	99	114	237	292	113	299
75	70	86	101	113	228	278	112	285
74	71	83	99	113	223	268	112	274
73	72	82	98	112	222	258	111	265
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
215	66	35	101
216	66	53	101
217	67	12	99
218	67	31	99
219	67	50	99
220	68	8	99
221	68	27	98
222	68	46	98
223	69	4	98
224	69	23	97
225	69	42	97
226	70	1	96
227	70	19	96
228	70	38	96
229	70	57	96
230	71	16	95
231	71	34	95
232	71	53	95
233	72	11	94
234	72	30	94
235	72	49	94
236	73	8	93
237	73	26	93
238	73	45	93
239	74	4	92
240	74	22	92
241	74	41	92
242	75	0	91
243	75	18	91
244	75	37	90
245	75	56	90
246	76	16	88
247	76	35	88
248	76	54	88
249	77	11	88
250	77	31	88
251	77	50	87
252	78	9	87
253	78	27	88
254	78	46	87
255	79	5	86
256	79	23	86
257	79	42	86
258	80	1	85
259	80	19	85

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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
260	80	38	85
261	80	57	85
262	81	15	85
263	81	34	84
264	81	53	85
265	82	11	84
266	82	30	84
267	82	49	84
268	83	7	84
269	83	26	84
270	83	45	83
271	84	3	83
272	84	22	83
273	84	41	83
274	84	59	82
275	85	18	84
276	85	37	86
277	85	55	88
278	86	14	94
279	86	33	99
280	86	52	108
281	87	11	116
282	87	30	122
283	87	48	129
284	88	7	136
285	88	26	141
286	88	44	147
287	89	3	152
288	89	22	157
289	89	40	163
290	89	59	168
291	90	18	173
292	90	36	176
293	90	55	181
294	91	14	184
295	91	32	187
296	91	51	190
297	92	10	192
298	92	28	194
299	92	47	196
300	93	5	197
301	93	24	199
302	93	43	200
303	94	1	201
304	94	20	202
305	94	39	203
306	94	57	204
307	95	16	204
308	95	35	205
309	95	53	206

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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
310	96	12	207
311	96	31	207
312	96	49	208
313	97	8	208
314	97	27	208
315	97	45	208
316	98	4	209
317	98	23	209
318	98	41	207
319	99	0	207
320	99	18	208
321	99	37	208
322	99	56	210
323	100	14	210
324	100	33	213
325	100	52	213
326	101	10	212
327	101	29	212
328	101	48	213
329	102	6	213
330	102	25	213
331	102	44	214
332	103	2	214
333	103	21	215
334	103	39	214
335	103	58	215
336	104	17	215
337	104	35	215
338	104	54	216
339	105	13	216
340	105	31	216
341	105	50	216
342	106	9	216
343	106	27	216
344	106	46	216
345	107	5	215
346	107	23	216
347	107	42	214
348	108	0	213
349	108	19	210
350	108	38	209
351	108	56	208
352	109	15	206
353	109	34	204
354	109	52	201
355	110	11	198
356	110	30	196
357	110	48	194
358	111	7	193
359	111	25	190

1520

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
360	111	44	188
361	112	3	185
362	112	21	184
363	112	40	182
364	112	59	181
365	*	*	*
366	113	54	176
368	114	13	175
369	114	32	175
370	114	50	174
371	115	9	174
372	115	28	172
373	115	46	171
374	116	5	171
375	116	23	170
376	116	42	169
377	117	1	169
378	117	19	167
379	117	38	165
380	117	57	164
381	118	15	164
382	118	34	162
383	118	52	160
384	119	11	160
385	119	30	158
386	119	48	157
387	120	7	156
388	120	26	156
389	120	44	156
390	121	3	154
391	121	21	152
392	121	40	152
393	121	59	151
394	122	17	150
395	122	36	150
396	122	54	150
397	123	13	149
398	123	32	149
399	123	50	148
400	124	9	148
401	124	28	148
402	124	46	150
403	125	5	153
404	125	23	157
405	125	42	161
406	126	1	166
407	126	19	169
408	126	38	173
409	126	56	176
410	127	15	179

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-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
411	127	34	182
412	127	52	185
413	128	11	187
414	128	29	191
415	128	48	193
416	129	7	194
417	129	25	197
418	129	44	199
419	130	3	201
420	130	21	202
421	130	40	204
422	130	59	204
423	131	17	204
424	131	36	205
425	131	54	206
426	132	13	208
427	132	32	208
428	132	50	208
429	133	9	208
430	133	27	208
431	133	46	205
432	134	5	206
433	134	23	204
434	134	42	203
435	135	1	200
436	135	19	198
437	135	38	196
438	135	56	196
439	136	15	193
440	136	34	193
441	136	52	192
442	137	11	191
443	137	29	189
444	137	48	187
445	138	7	185
446	138	25	182
447	138	44	182
448	139	2	184
449	139	21	185
450	139	40	184
451	139	58	184
452	140	17	184
453	140	35	184
454	140	54	184
455	141	13	185
456	141	31	185
457	141	50	185
458	142	8	184
459	142	27	184
460	142	46	184

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
461	143	4	184
462	143	23	183
463	143	42	182
464	144	0	180
465	144	19	180
466	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
215	66	37	92	93	80	92	80
216	66	56	92	94	80	92	80
217	67	14	92	94	80	92	80
218	67	33	92	93	80	91	80
219	67	52	93	94	80	92	80
220	68	10	92	93	80	91	80
221	68	29	92	94	81	90	80
222	68	48	92	94	80	91	80
223	69	7	93	93	80	91	80
224	69	25	92	94	80	90	80
225	69	44	92	93	80	91	80
226	70	3	93	94	80	91	79
227	70	21	92	94	80	90	80
228	70	40	93	94	80	90	80
229	70	59	92	93	80	90	80
230	71	18	92	93	80	90	80
231	71	36	92	94	80	90	80
232	71	55	92	93	80	89	80
233	72	14	92	93	79	89	80
234	72	32	92	94	79	89	79
235	72	51	92	93	80	89	79
236	73	10	92	94	80	89	79
237	73	28	92	94	80	89	79
238	73	47	92	93	79	88	79
239	74	6	92	93	79	88	79
240	74	24	91	93	79	88	79
241	74	43	91	93	79	87	79
242	75	2	91	93	79	88	80
243	75	21	92	93	79	87	79
244	75	39	92	93	79	88	79
245	75	58	92	92	80	88	79
246	76	19	92	93	79	87	78
247	76	37	91	92	79	87	79
248	76	56	91	92	79	87	79
249	77	15	91	92	79	87	78
250	77	33	91	92	78	86	78
251	77	52	92	92	79	87	78
252	78	11	92	92	78	86	78
253	78	29	91	93	79	86	78
254	78	48	90	92	77	87	78
255	79	7	90	92	78	85	78
256	79	25	91	92	78	86	78
257	79	44	91	92	79	85	78
258	80	3	90	93	78	85	77
259	80	21	90	92	78	86	78

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
93	80	92	80	76	91	90	97	93
94	80	92	80	75	90	91	97	92
94	80	92	80	75	90	91	97	93
93	80	91	80	75	90	91	98	93
94	80	92	80	76	91	91	100	92
93	80	91	80	76	92	90	101	92
94	81	90	80	76	90	91	101	92
94	80	91	80	76	90	91	98	93
93	80	91	80	76	91	91	99	92
94	80	90	80	75	90	91	101	92
93	80	91	80	76	91	91	99	93
94	80	91	79	76	90	90	100	92
94	80	90	80	76	91	91	98	93
94	80	90	80	76	91	92	98	93
93	80	90	80	76	90	92	101	92
93	80	90	80	76	91	92	99	92
94	80	90	80	76	92	92	97	93
93	80	89	80	76	90	92	100	92
93	79	89	80	76	90	92	97	92
94	79	89	79	76	90	92	97	92
93	80	89	79	76	90	91	97	92
94	80	89	79	76	90	91	97	92
94	80	89	79	76	90	91	97	93
93	79	88	79	76	90	91	98	92
93	79	88	79	76	90	91	97	92
93	79	88	79	76	90	91	97	92
93	79	87	79	76	90	90	98	92
93	79	88	80	76	90	91	96	92
93	79	87	79	76	90	91	96	92
93	79	88	79	76	91	91	97	92
92	80	88	79	76	90	91	98	92
93	79	87	78	77	90	90	96	92
92	79	87	79	76	90	91	97	92
92	79	87	79	76	90	91	96	92
92	79	87	78	77	90	90	97	92
92	78	86	78	76	89	89	96	92
92	79	87	78	76	89	90	97	92
92	78	86	78	77	89	89	97	92
93	79	86	78	76	88	89	98	92
92	77	87	78	77	88	90	96	91
92	78	85	78	77	88	89	97	90
92	78	86	78	76	89	88	97	91
92	79	85	78	77	88	89	98	90
93	78	85	77	77	88	88	96	90
92	78	86	78	76	88	87	96	90

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
260	80	40	89	91	78	85	78
261	80	59	91	91	78	86	77
262	81	17	90	92	78	84	77
263	81	36	90	92	78	85	78
264	81	55	90	91	78	84	77
265	82	13	90	91	77	84	78
266	82	32	89	90	77	83	77
267	82	51	90	90	77	84	77
268	83	9	89	91	77	84	77
269	83	28	91	92	77	84	76
270	83	47	90	91	77	84	77
271	84	5	89	91	76	84	77
272	84	24	89	91	77	84	77
273	84	43	90	91	77	83	76
274	85	1	90	91	76	83	76
275	85	20	90	90	77	83	76
276	85	39	88	90	76	82	76
277	85	57	89	90	76	82	76
278	86	16	88	89	76	83	75
279	86	35	89	89	76	82	76
280	86	55	90	91	77	83	78
281	87	13	91	89	93	76	110
282	87	32	89	90	94	75	108
283	87	50	89	90	94	75	109
284	88	9	89	91	92	77	111
285	88	28	89	89	92	78	112
286	88	46	89	89	93	79	113
287	89	5	89	90	93	79	115
288	89	24	89	91	94	79	116
289	89	42	90	93	96	79	118
290	90	1	91	93	96	79	118
291	90	20	91	94	97	79	120
292	90	38	91	94	98	78	121
293	90	57	92	95	99	77	121
294	91	16	92	97	99	77	124
295	91	34	94	97	100	77	123
296	91	53	93	98	101	77	123
297	92	12	93	101	101	77	124
298	92	30	94	101	101	76	125
299	92	49	94	101	102	77	125
300	93	8	95	103	103	76	125
301	93	26	95	103	102	77	126
302	93	45	94	104	103	77	126
303	94	4	94	105	103	77	127
304	94	22	96	106	102	77	126
305	94	41	95	106	103	76	126
306	95	0	96	105	103	76	126
307	95	18	95	107	102	76	127
308	95	37	95	107	102	76	127
309	95	56	95	107	103	76	1

8-06 ENG.2 GNIT CITR OUNT TEMP EG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
91	78	85	78	77	87	88	96	91
91	78	86	77	76	88	89	96	90
92	78	84	77	77	87	87	96	90
92	78	85	78	77	87	87	96	90
91	78	84	77	77	87	87	97	89
91	77	84	78	77	87	87	96	90
90	77	83	77	77	86	87	96	89
90	77	84	77	78	87	87	97	90
91	77	84	77	78	86	87	96	90
92	77	84	76	77	86	87	97	89
91	77	84	77	77	86	86	94	89
91	76	84	77	77	85	86	96	89
91	77	84	77	77	85	87	96	89
91	77	83	76	78	85	85	95	88
91	76	83	76	76	84	86	96	87
90	77	83	76	77	84	84	95	88
90	76	82	76	77	84	85	94	87
90	76	82	76	76	82	84	94	87
89	76	83	75	76	83	84	92	88
89	76	82	76	77	82	82	90	88
91	77	83	78	77	83	84	92	87
89	93	76	110	77	79	80	87	86
90	94	75	108	78	80	84	86	84
90	94	75	109	77	81	88	91	85
91	92	77	111	76	84	96	98	90
89	92	78	112	74	87	98	116	94
89	93	79	113	66	89	103	113	97
90	93	79	115	62	90	104	113	100
91	94	79	116	58	92	105	115	102
93	96	79	118	58	89	105	115	103
93	96	79	118	56	90	105	114	103
94	97	79	120	55	88	105	114	104
94	98	78	121	55	92	106	117	106
95	99	77	121	55	91	105	117	106
97	99	77	124	54	90	105	117	107
97	100	77	123	54	91	104	116	108
98	101	77	123	53	93	105	116	109
101	101	77	124	53	92	104	114	109
101	101	76	125	53	90	104	116	108
101	102	77	125	53	89	104	115	107
103	103	76	125	53	90	104	115	107
103	102	77	126	53	89	104	115	106
104	103	77	126	53	91	106	115	107
105	103	77	127	53	90	105	116	107
106	102	77	126	53	91	104	116	107
106	103	76	126	53	92	104	116	108
105	103	76	126	53	91	105	116	107
107	102	76	127	53	92	105	117	108
107	102	76	127	53	88	104	114	107
107	103	76	1	53	89	104	115	106

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8- ENG FU PU CA TE DEG
310	96	14	95	107	102	76	126	
311	96	33	96	106	103	76	127	
312	96	51	95	107	103	76	127	
313	97	10	96	109	103	78	126	
314	97	29	96	108	103	76	127	
315	97	47	97	108	102	77	128	
316	98	6	96	109	103	77	127	
317	98	25	96	110	103	75	126	
318	98	43	96	109	103	75	125	
319	99	2	96	109	102	74	124	
320	99	21	95	108	100	73	123	
321	99	39	96	107	100	73	122	
322	99	58	95	107	99	73	121	
323	100	17	95	106	98	73	121	
324	100	35	95	106	98	72	121	
325	100	54	94	106	98	73	120	
326	101	12	95	106	98	72	120	
327	101	31	93	105	98	73	119	
328	101	50	94	103	97	73	121	
329	102	8	93	103	97	72	119	
330	102	27	94	103	97	72	119	
331	102	46	92	104	97	73	120	
332	103	4	93	103	98	72	119	
333	103	23	93	101	97	73	118	
334	103	42	93	101	97	72	118	
335	104	0	93	102	96	72	118	
336	104	19	92	101	97	72	118	
337	104	38	92	102	96	72	118	
338	104	56	92	101	97	72	117	
339	105	15	92	101	97	72	116	
340	105	33	92	100	97	73	118	
341	105	52	92	101	97	73	117	
342	106	11	91	101	96	72	118	
343	106	29	92	101	96	73	117	
344	106	48	92	101	96	72	117	
345	107	7	92	101	96	72	117	
346	107	25	91	100	96	71	117	
347	107	44	92	100	96	71	117	
348	108	3	91	100	96	73	118	
349	108	21	90	100	97	74	119	
350	108	40	91	100	97	71	119	
351	108	59	92	100	98	73	121	
352	109	17	90	100	98	72	121	
353	109	36	91	100	99	73	123	
354	109	54	91	101	99	72	125	
355	110	13	92	102	99	72	125	
356	110	32	92	102	100	72	126	
357	110	50	92	103	100	71	126	
358	111	9	92	103	101	71	126	
359	111	28	92	105	101	70	126	

-06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
NIT	LUBE	FUEL	SCAVAG	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
ITR	PUMP	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
UNT	INLET	CASE	OUTLET	CASE	STG.2	STG.3	STG.3	STG.3
EMP	OIL	TEMP	OIL	TEMP	4.30	3.00	4.30	6.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
07	102	76	126	53	88	104	114	105
06	103	76	127	52	89	104	115	105
07	103	76	127	54	89	105	115	106
09	103	78	126	54	88	103	116	106
08	103	76	127	53	87	103	114	106
08	102	77	128	53	88	104	114	107
09	103	77	127	55	86	97	103	106
10	103	75	126	57	81	93	96	103
09	103	75	125	58	81	96	98	102
09	102	74	124	58	82	94	98	100
08	100	73	123	58	82	94	98	97
07	100	73	122	59	82	94	99	98
07	99	73	121	59	82	94	98	98
06	98	73	121	59	82	94	98	97
06	98	72	121	59	83	93	99	97
06	98	73	120	60	82	94	99	96
06	98	72	120	60	81	95	99	97
05	98	73	119	60	81	93	99	97
03	97	73	121	59	82	94	98	97
03	97	72	119	60	83	94	100	96
03	97	72	119	59	83	93	99	97
04	97	73	120	60	81	95	99	96
03	98	72	119	59	82	94	99	96
01	97	73	118	59	81	94	99	96
01	97	72	118	60	83	94	98	96
02	96	72	118	59	83	94	99	97
01	97	72	118	60	82	93	99	97
02	96	72	118	58	82	94	98	97
01	97	72	117	60	81	93	98	96
01	97	72	118	60	83	94	99	96
00	97	73	118	60	83	93	99	97
01	97	73	117	59	83	94	99	97
01	96	72	118	59	82	94	99	96
01	96	73	117	59	83	94	98	97
01	96	72	117	59	81	92	97	95
01	96	72	117	60	80	92	97	96
00	96	71	117	60	79	89	92	95
00	96	71	117	59	80	95	98	95
00	96	73	118	58	83	98	104	97
00	97	74	119	58	84	98	105	97
00	97	71	119	56	83	98	105	99
00	98	73	121	54	84	105	114	99
00	98	72	121	55	83	98	106	100
00	99	73	123	53	86	105	113	102
01	99	72	125	52	88	106	117	104
02	99	72	125	51	88	107	116	105
02	100	72	126	50	87	106	116	106
03	100	71	126	50	88	103	117	106
03	101	71	126	50	87	104	117	106
05	101	70	126	51	86	104	116	106

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
360	111	46	93	106	101	70	128
361	112	5	93	105	101	69	127
362	112	23	93	106	101	69	127
363	112	42	93	106	101	69	127
364	113	1	93	106	100	69	128
365	*	*	*	*	*	*	*
366	113	57	94	107	101	68	128
368	114	15	95	106	100	68	126
369	114	34	94	106	100	68	126
370	114	53	94	107	99	68	127
371	115	11	93	107	100	69	126
372	115	30	94	106	100	69	126
373	115	48	94	107	101	68	127
374	116	7	94	106	100	69	127
375	116	26	93	107	100	71	126
376	116	44	93	107	101	68	125
377	117	3	93	107	101	67	123
378	117	22	93	107	99	68	124
379	117	40	92	108	99	68	124
380	117	59	93	107	100	69	126
381	118	17	93	107	101	69	126
382	118	36	93	106	100	68	126
383	118	55	93	108	101	69	128
384	119	13	93	107	101	69	128
385	119	32	93	108	101	70	128
386	119	50	93	107	100	70	129
387	120	9	93	108	102	70	129
388	120	28	94	107	102	70	129
389	120	46	95	107	102	69	128
390	121	5	94	108	102	69	128
391	121	24	94	108	103	69	129
392	121	42	94	108	101	68	129
393	122	1	95	109	102	69	128
394	122	19	9[illegible]	108	101	69	129
395	122	38	95	108	102	69	128
396	122	57	95	110	102	68	129
397	123	15	95	110	102	69	129
398	123	34	96	109	102	69	129
399	123	52	95	110	102	68	130
400	124	11	95	110	102	71	128
401	124	30	95	110	102	70	127
402	124	48	95	111	101	67	125
403	125	7	95	110	99	66	122
404	125	26	95	109	97	65	121
405	125	44	95	109	95	64	118
406	126	3	94	107	93	64	116
407	126	21	93	105	92	64	115
408	126	40	93	104	91	63	113
409	126	59	92	102	90	63	112
410	127	17	91	102	89	63	1[illegible]

06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
IT	LUBE	FUEL	SCAVAG	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
TR	PUMP	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
NT	INLET	CASE	OUTLET	CASE	STG.2	STG.3	STG.3	STG.3
MP	OIL	TEMP	OIL	TEMP	4.30	3.00	4.30	6.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
6	101	70	128	50	84	103	115	106
5	101	69	127	50	84	103	114	105
6	101	69	127	50	83	103	115	105
6	101	69	127	50	82	103	114	103
6	100	69	128	50	84	102	115	104
*	*	*	*	*	*	*	*	*
7	101	68	128	49	82	103	113	104
6	100	68	126	49	85	102	114	105
6	100	68	126	49	82	102	113	104
7	99	68	127	49	84	102	114	104
7	100	69	126	49	84	102	113	104
6	100	69	126	48	82	102	113	103
7	101	68	127	49	84	102	113	104
6	100	69	127	48	83	103	113	103
7	100	71	126	50	80	95	106	102
7	101	68	125	52	78	92	98	99
7	101	67	123	53	77	91	97	96
7	99	68	124	54	77	92	97	93
8	99	68	124	53	82	100	108	94
7	100	69	126	51	88	103	116	99
7	101	69	126	49	86	103	117	103
6	100	68	126	48	87	104	117	104
8	101	69	128	48	85	103	118	104
7	101	69	128	48	85	105	118	105
8	101	70	128	50	87	104	119	105
7	100	70	129	48	87	104	118	106
8	102	70	129	48	83	104	116	105
7	102	70	129	48	84	103	116	106
7	102	69	128	49	87	104	117	107
8	102	69	128	49	87	103	117	107
8	103	69	129	49	86	103	118	107
[illegible]	101	68	129	49	86	102	117	108
[illegible]	102	69	128	49	86	103	117	107
[illegible]	101	69	129	49	83	102	117	106
8	102	69	128	48	88	102	117	108
0	102	68	129	48	84	103	116	106
0	102	69	129	48	86	103	116	107
[illegible]	102	69	129	48	87	103	116	107
[illegible]	102	68	130	49	85	103	116	106
[illegible]	102	71	128	49	83	100	113	106
0	102	70	127	51	80	88	97	101
1	101	67	125	53	73	82	87	98
0	99	66	122	56	72	82	83	93
[illegible]	97	65	121	58	71	81	83	89
[illegible]	95	64	118	58	70	80	86	84
[illegible]	93	64	116	60	69	80	*	83
15	92	64	115	59	69	79	*	80
4	91	63	113	60	70	79	*	80
[illegible]	90	63	112	60	69	79	*	79
[illegible]	89	63	1[illegible]	62	69	78	*	79

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8- EN F P C T DE
411	127	36	90	100	88	63	109	
412	127	54	91	98	87	63	108	
413	128	13	90	98	86	62	108	
414	128	32	89	97	85	63	107	
415	128	50	88	96	85	62	107	
416	129	9	87	96	85	61	107	
417	129	28	88	95	83	63	106	
418	129	46	87	94	83	62	105	
419	130	5	88	93	83	63	105	
420	130	23	87	93	83	63	104	
421	130	42	86	92	82	63	104	
422	131	1	85	90	82	62	104	
423	131	19	85	91	83	62	103	
424	131	38	85	90	82	61	104	
425	131	57	84	89	82	62	102	
426	132	15	84	89	82	63	102	
427	132	34	84	87	82	63	102	
428	132	52	83	88	82	62	103	
429	133	11	83	88	82	62	103	
430	133	30	82	88	82	64	103	
431	133	48	82	87	83	63	104	
432	134	7	82	87	85	67	108	
433	134	25	82	87	87	67	108	
434	134	44	82	88	87	65	108	
435	135	3	82	89	88	65	109	
436	135	21	82	89	88	66	111	
437	135	40	82	88	89	65	111	
438	135	58	81	89	89	65	111	
439	136	17	82	90	89	67	110	
440	136	36	82	90	91	67	110	
441	136	54	82	90	92	65	109	
442	137	13	81	90	91	64	111	
443	137	32	82	90	90	66	111	
444	137	50	81	90	90	67	112	
445	138	9	82	89	91	67	112	
446	138	27	81	90	92	67	113	
447	138	46	82	90	93	70	112	
448	139	5	82	91	93	72	111	
449	139	23	82	91	94	78	111	
450	139	42	83	92	95	83	109	
451	140	0	83	92	94	90	107	
452	140	19	84	91	93	92	106	
453	140	38	85	92	93	92	106	
454	140	56	86	93	92	93	105	
455	141	15	87	94	93	95	104	
456	141	33	87	94	93	95	104	
457	141	52	89	94	92	96	103	
458	142	11	89	95	92	96	103	
459	142	29	89	95	93	97	101	
460	142	48	91	96	92	98	101	

-06 G.2 NIT ITR UNT EMP G.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
00	88	63	109	61	69	78	*	79
98	87	63	108	61	68	78	*	79
98	86	62	108	62	68	78	*	77
97	85	63	107	61	69	77	*	77
96	85	62	107	62	68	77	*	77
96	85	61	107	63	68	78	*	77
95	83	63	106	62	68	78	*	77
94	83	62	105	63	67	78	*	76
93	83	63	105	61	68	78	*	76
93	83	63	104	63	67	78	*	76
92	82	63	104	62	67	77	*	76
90	82	62	104	63	67	78	*	75
91	83	62	103	62	68	78	*	76
90	82	61	104	63	67	78	*	77
89	82	62	102	62	67	77	79	76
89	82	63	102	62	67	77	79	76
87	82	63	102	62	67	77	80	75
88	82	62	103	62	67	77	80	75
88	82	62	103	63	68	77	80	76
88	82	64	103	62	69	81	*	78
87	83	63	104	59	75	92	93	81
87	85	67	108	54	78	98	109	86
87	87	67	108	56	75	87	99	90
88	87	65	108	56	73	87	90	90
89	88	65	109	57	72	87	94	88
89	88	66	111	58	72	87	110	88
88	89	65	111	58	73	86	98	87
89	89	65	111	58	72	86	101	87
90	89	67	110	59	74	80	86	87
90	91	67	110	59	72	74	94	85
90	92	65	109	61	70	74	82	82
90	91	64	111	59	71	87	87	82
90	90	66	111	59	75	89	95	84
90	90	67	112	57	76	91	100	87
89	91	67	112	56	77	90	98	90
90	92	67	113	56	75	90	96	90
90	93	70	112	58	73	81	90	90
91	93	72	111	60	72	74	78	87
91	94	78	111	61	68	67	71	83
92	95	83	109	63	67	65	70	80
92	94	90	107	63	68	65	72	78
91	93	92	106	64	68	66	73	76
92	93	92	106	63	70	68	73	75
93	92	93	105	63	70	69	74	76
94	93	95	104	63	72	69	74	76
94	93	95	104	64	73	71	75	76
94	92	96	103	64	74	70	77	77
95	92	96	103	64	74	72	77	77
95	93	97	101	64	75	72	77	78
96	92	98	101	65	76	73	79	79

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
461	143	6	92	96	93	99	101
462	143	25	92	96	93	100	101
463	143	44	92	96	94	83	115
464	144	2	92	96	95	80	114
465	144	21	92	96	95	85	111
466	*	*	*	*	*	*	*

86	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
IT	LUBE	FUEL	SCAVAG	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
TR	PUMP	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
NT	INLET	CASE	OUTLET	CASE	STG.2	STG.3	STG.3	STG.3
MP	OIL	TEMP	OIL	TEMP	4.30	3.00	4.30	6.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
6	93	99	101	64	77	74	80	79
	93	100	101	65	77	74	80	80
	94	83	115	65	77	73	80	80
	95	80	114	66	70	66	73	79
6	95	85	111	67	66	64	80	76
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
215	66	37	97	100	102	105	101
216	66	56	97	99	102	105	100
217	67	14	97	99	103	105	101
218	67	33	98	99	102	105	101
219	67	52	97	100	102	105	102
220	68	10	97	100	102	105	102
221	68	29	98	100	102	105	101
222	68	48	97	99	103	105	101
223	69	7	97	100	103	105	102
224	69	26	97	100	102	105	101
225	69	44	97	100	103	105	101
226	70	3	97	100	102	105	101
227	70	21	98	100	103	106	101
228	70	40	97	100	103	105	102
229	70	59	98	101	103	106	101
230	71	18	98	100	102	106	101
231	71	36	97	100	103	105	101
232	71	55	98	101	103	105	101
233	72	14	98	100	103	105	101
234	72	32	97	100	103	105	101
235	72	51	98	100	103	106	101
236	73	10	98	100	102	105	101
237	73	28	97	100	103	105	101
238	73	47	97	100	102	106	101
239	74	6	98	100	102	105	101
240	74	24	97	100	103	105	101
241	74	43	97	100	102	106	101
242	75	2	97	99	103	105	101
243	75	21	97	100	103	105	101
244	75	39	97	100	103	105	101
245	75	58	97	100	103	105	101
246	76	19	97	100	102	105	101
247	76	37	97	100	104	105	101
248	76	56	97	100	103	105	101
249	77	15	97	100	103	105	101
250	77	33	97	100	103	105	100
251	77	52	97	100	102	105	100
252	78	11	96	100	102	104	100
253	78	29	96	100	101	105	101
254	78	48	97	100	101	104	100
255	79	7	97	99	102	103	100
256	79	25	96	100	101	105	100
257	79	44	96	99	102	105	100
258	80	3	96	99	102	103	99
259	80	21	96	98	102	103	100

HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

8-16 ENG.2 HPRS CSE TG.4 .30 EG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
100	102	105	101	100	164	66	83	85
99	102	105	100	102	164	66	83	86
99	103	105	101	101	163	66	83	85
99	102	105	101	100	163	66	83	86
100	102	105	102	100	162	67	82	85
100	102	105	102	100	162	67	82	85
100	102	105	101	100	162	65	82	85
99	103	105	101	101	161	66	83	85
100	103	105	102	101	161	66	83	85
100	102	105	101	100	161	66	82	85
100	103	105	101	100	161	66	82	84
100	102	105	101	101	160	66	82	84
100	103	106	101	101	160	66	83	85
100	103	105	102	101	160	66	82	85
101	103	106	101	100	159	66	82	85
100	102	106	101	100	159	66	82	84
100	103	105	101	101	159	66	82	84
101	103	105	101	101	159	66	82	84
100	103	105	101	101	158	66	82	84
100	103	105	101	100	157	66	82	84
100	103	106	101	100	157	65	82	83
100	102	105	101	101	156	66	81	84
100	103	105	101	100	155	64	81	82
100	102	106	101	100	155	64	81	83
100	102	105	101	100	155	65	81	83
100	103	105	101	100	155	65	82	83
100	102	106	101	100	154	66	81	83
99	103	105	101	101	154	65	80	82
100	103	105	101	100	153	66	81	83
100	103	105	101	100	153	66	81	82
100	103	105	101	100	153	66	80	82
100	102	105	101	100	150	64	80	82
100	104	105	101	100	150	64	80	82
100	103	105	101	101	149	64	80	83
100	103	105	101	100	149	64	80	82
100	103	105	100	100	148	63	80	82
100	102	105	100	99	147	63	79	82
100	102	104	100	100	147	64	80	82
100	101	105	101	99	147	64	79	81
100	101	104	100	99	147	63	79	81
99	102	103	100	99	146	64	80	81
100	101	105	100	99	146	64	80	81
99	102	105	100	99	146	64	79	82
99	102	103	99	100	145	63	80	81
98	102	103	100	99	145	63	80	81

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
260	80	40	96	99	101	105	99
261	80	59	96	98	101	103	100
262	81	17	96	98	101	103	99
263	81	36	96	99	102	103	99
264	81	55	96	98	101	103	100
265	82	13	96	99	101	104	98
266	82	32	96	99	101	104	100
267	82	51	95	99	101	104	98
268	83	9	96	97	101	103	99
269	83	28	95	98	101	104	99
270	83	47	95	97	101	103	98
271	84	5	96	98	101	102	99
272	84	24	96	98	101	103	99
273	84	43	95	98	100	103	99
274	85	1	95	98	100	102	97
275	85	20	95	98	100	102	98
276	85	39	95	97	99	102	97
277	85	57	93	96	99	101	97
278	86	16	94	95	97	100	96
279	86	35	92	95	96	99	96
280	86	55	93	94	97	100	96
281	87	13	87	88	88	97	96
282	87	32	88	90	91	95	92
283	87	50	95	96	97	94	90
284	88	9	115	109	114	100	95
285	88	28	123	117	122	112	105
286	88	46	134	132	136	126	117
287	89	5	138	133	138	140	130
288	89	24	141	136	140	149	140
289	89	42	140	136	139	153	143
290	90	1	141	136	139	153	145
291	90	20	141	136	140	154	145
292	90	38	142	138	140	156	148
293	90	57	142	137	140	156	149
294	91	16	143	136	140	159	151
295	91	34	142	136	140	159	150
296	91	53	143	136	141	160	152
297	92	12	142	136	140	160	151
298	92	30	142	137	140	160	150
299	92	49	141	137	139	160	149
300	93	8	141	135	140	158	149
301	93	26	141	135	139	157	148
302	93	45	141	135	139	157	148
303	94	4	141	136	140	158	149
304	94	22	142	136	139	159	150
305	94	41	142	136	139	159	152
306	95	0	141	135	138	158	150
307	95	18	141	136	139	160	152
308	95	37	140	135	139	156	148
309	95	56	141	136	139	158	150

8-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL
CSE	CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER
G.4	STG.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL
.30	6.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
99	101	105	99	99	145	62	79	81
98	101	103	100	98	145	62	80	81
98	101	103	99	100	144	63	80	81
99	102	103	99	99	144	61	80	82
98	101	103	100	99	144	62	79	81
99	101	104	98	98	144	62	79	80
99	101	104	100	99	144	62	79	80
99	101	104	98	98	143	62	79	80
97	101	103	99	98	142	62	79	81
98	101	104	99	98	143	62	79	80
97	101	103	98	99	142	62	79	80
98	101	102	99	99	142	61	79	80
98	101	103	99	98	141	61	79	80
98	100	103	99	98	142	59	78	80
98	100	102	97	97	141	62	79	80
98	100	102	98	97	140	65	79	80
97	99	102	97	97	140	65	77	80
96	99	101	97	97	139	68	78	79
95	97	100	96	97	137	72	77	80
95	96	99	96	96	136	67	76	79
94	97	100	96	97	135	66	76	79
88	88	97	96	93	135	65	85	108
90	91	95	92	91	158	65	86	108
96	97	94	90	92	210	64	83	110
99	114	100	95	104	284	64	83	111
07	122	112	105	120	324	64	83	111
12	136	126	117	141	374	61	84	113
13	138	140	130	154	396	60	84	115
16	140	149	140	161	402	61	84	117
16	139	153	143	165	408	61	87	117
15	139	153	145	167	407	61	88	120
16	140	154	145	168	410	61	88	121
18	140	158	148	169	407	60	88	121
17	140	158	149	169	408	61	89	122
16	140	159	151	168	409	61	88	123
16	140	159	150	169	407	60	90	123
15	141	160	152	171	406	60	89	126
16	140	160	151	169	406	59	90	125
17	140	160	150	169	408	60	90	125
17	139	160	149	169	408	58	91	126
15	140	158	149	169	407	59	90	126
15	139	157	148	168	407	59	90	126
15	139	157	148	169	407	58	90	126
16	140	158	149	168	407	60	90	126
15	139	159	150	168	407	59	90	127
15	139	159	152	169	406	58	90	127
15	138	158	150	168	405	58	91	125
16	139	160	152	167	405	59	90	127
15	139	156	148	167	408	59	92	126
16	139	158	1	167	407	59	89	127

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
310	96	14	141	134	138	157	147
311	96	33	141	134	139	157	148
312	96	51	141	135	138	158	148
313	97	10	140	136	138	158	150
314	97	29	141	136	139	158	148
315	97	47	141	135	139	159	148
316	98	6	134	121	124	156	148
317	98	25	119	113	112	145	141
318	98	43	123	114	117	136	131
319	99	2	125	113	116	131	126
320	99	21	124	114	116	129	123
321	99	39	126	114	117	128	123
322	99	58	126	113	118	127	121
323	100	17	126	114	116	127	122
324	100	35	126	113	116	127	123
325	100	54	127	114	119	128	123
326	101	12	127	114	118	128	122
327	101	31	126	114	118	126	121
328	101	50	128	114	117	126	120
329	102	8	126	115	118	129	122
330	102	27	127	115	117	128	123
331	102	46	127	115	116	127	123
332	103	4	127	113	117	127	123
333	103	23	127	113	117	127	123
334	103	42	127	114	117	128	122
335	104	0	127	115	117	128	125
336	104	19	127	113	117	128	125
337	104	38	127	115	116	128	123
338	104	56	126	114	117	127	122
339	105	15	127	113	117	127	123
340	105	33	127	114	117	128	124
341	105	52	127	115	116	129	124
342	106	11	128	114	116	127	122
343	106	29	128	114	117	129	123
344	106	48	126	113	116	127	122
345	107	7	125	113	116	127	122
346	107	25	118	108	110	126	122
347	107	44	124	117	120	126	118
348	108	3	129	123	126	131	124
349	108	21	133	123	129	140	131
350	108	40	134	126	129	140	134
351	108	59	140	136	139	146	136
352	109	17	139	126	129	150	142
353	109	36	142	136	141	154	145
354	109	54	144	140	142	161	151
355	110	13	145	141	145	165	155
356	110	32	144	140	143	166	158
357	110	50	144	139	143	168	161
358	111	9	144	139	143	168	161
359	111	28	144	139	142	168	160

8-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL
CSE	CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER
G.4	STG.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL
.30	6.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
34	138	157	147	168	408	58	90	127
34	139	157	148	167	408	58	89	127
35	138	158	148	168	407	58	89	128
36	138	158	150	167	407	60	91	127
36	139	158	148	168	407	59	90	127
35	139	159	148	169	407	58	90	129
21	124	156	148	162	378	59	93	127
13	112	145	141	145	346	61	92	127
14	117	136	131	140	341	59	90	125
13	116	131	126	136	337	58	88	125
14	116	129	123	132	333	59	88	122
14	117	128	123	133	334	58	87	123
13	118	127	121	133	333	58	87	122
14	116	127	122	134	332	58	87	122
13	118	127	123	134	332	58	87	122
14	119	128	123	133	335	59	87	119
14	118	128	122	135	335	58	87	119
14	118	126	121	135	336	59	87	120
14	117	126	120	134	337	57	87	119
15	118	129	122	134	336	58	86	119
15	117	128	123	135	335	59	87	119
15	116	127	123	134	336	58	87	119
13	117	127	123	135	336	58	87	118
13	117	127	123	134	336	58	87	118
14	117	128	122	134	335	58	86	118
15	117	128	125	135	336	58	86	118
13	117	128	125	135	336	58	86	118
15	116	128	123	134	336	58	85	119
14	117	127	122	135	336	58	86	118
13	117	127	123	135	335	58	87	117
14	117	128	124	134	335	59	85	118
16	116	129	124	135	335	53	87	118
14	116	127	122	135	336	58	85	117
14	117	129	123	136	334	57	85	119
13	116	127	122	135	334	56	86	117
13	116	127	122	134	335	56	83	117
08	110	126	122	132	329	56	87	117
17	120	126	118	135	347	58	89	117
23	126	131	124	145	366	59	87	119
23	129	140	131	153	376	57	87	120
26	129	140	134	154	383	55	86	121
36	139	146	136	161	427	54	85	122
26	129	150	142	162	402	56	87	122
36	141	154	145	165	431	55	87	124
40	142	161	151	170	442	54	86	124
41	145	165	155	173	450	53	87	125
40	143	166	158	175	449	53	87	126
39	143	168	161	176	446	50	85	127
39	143	168	161	175	447	53	87	127
39	142	168	160	175	446	52	87	127

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
360	111	46	143	139	141	166	157
361	112	5	142	137	141	165	156
362	112	23	142	137	149	165	156
363	112	42	141	136	140	163	156
364	113	1	142	137	140	165	154
365	*	*	*	*	*	*	*
366	113	57	142	136	140	165	156
368	114	15	141	135	140	165	155
369	114	34	141	135	140	162	153
370	114	53	141	136	140	163	154
371	115	11	141	136	140	163	152
372	115	30	142	135	140	163	153
373	115	48	141	135	141	162	153
374	116	7	142	135	140	161	151
375	116	26	138	127	129	161	150
376	116	44	129	117	120	152	144
377	117	3	127	116	119	145	135
378	117	22	127	116	119	141	130
379	117	40	133	129	133	143	131
380	117	59	142	138	143	154	144
381	118	17	145	140	145	162	151
382	118	36	145	140	145	165	157
383	118	55	145	141	143	167	157
384	119	13	145	141	144	169	158
385	119	32	146	142	145	170	161
386	119	50	145	142	145	171	161
387	120	9	145	140	144	168	158
388	120	28	146	140	144	169	158
389	120	46	146	140	145	169	161
390	121	5	145	142	145	170	162
391	121	24	145	141	145	170	161
392	121	42	145	141	145	171	162
393	122	1	145	139	144	169	160
394	122	19	145	141	143	169	159
395	122	38	145	140	144	169	161
396	122	57	145	139	143	167	158
397	123	15	145	140	143	169	160
398	123	34	145	141	143	170	160
399	123	52	144	140	143	169	158
400	124	11	144	135	140	168	155
401	124	30	128	116	117	160	151
402	124	48	110	105	102	145	140
403	125	7	103	99	98	128	126
404	125	26	98	98	96	116	114
405	125	44	96	96	96	109	106
406	126	3	95	96	94	106	101
407	126	21	94	95	94	103	99
408	126	40	94	94	94	101	97
409	126	59	92	94	94	100	96
410	127	17	93	94	93	100	

-16	8-17	8-19	8-20	-21	8-22	8-23	8-24	8-25
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL
CSE	CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER
G.4	STG.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL
.30	6.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
39	141	166	157	175	444	51	87	127
37	141	165	156	174	442	51	86	128
37	140	165	156	174	442	51	86	128
36	140	163	156	172	441	51	86	127
37	140	165	154	173	442	48	87	128
*	*	*	*	*	*	*	*	*
36	140	165	156	173	439	50	86	127
35	140	165	155	173	441	49	86	126
35	140	162	153	172	441	49	87	128
36	140	163	154	173	438	50	85	127
36	140	163	152	173	440	51	85	128
35	140	163	153	173	440	49	85	127
35	141	162	153	172	440	50	86	127
35	140	161	151	172	440	51	87	128
27	129	161	150	172	419	53	89	128
17	120	152	144	163	379	50	88	126
16	119	145	135	157	365	51	89	126
16	119	141	130	155	360	53	89	124
29	133	143	131	154	403	52	86	124
38	143	154	144	165	445	50	85	126
40	145	162	151	173	456	52	87	126
40	145	165	157	176	459	49	86	127
41	143	167	157	176	460	51	87	127
41	144	169	158	177	461	51	87	128
42	145	170	161	178	459	52	87	129
42	145	171	161	178	458	51	87	128
40	144	168	158	178	456	50	87	130
40	144	169	158	177	456	50	87	129
40	145	169	161	177	456	50	87	129
42	145	170	162	179	456	51	87	130
41	145	170	161	179	456	51	87	12
41	145	171	162	178	456	49	87	135
39	144	169	160	177	455	50	87	130
41	143	169	159	177	455	49	87	130
40	144	169	161	176	455	50	87	130
39	143	167	158	177	456	50	87	129
40	143	169	160	177	455	49	87	130
41	143	170	160	177	455	49	87	131
40	143	169	158	177	454	50	87	129
35	140	168	155	177	446	49	88	129
16	117	160	151	169	394	53	88	127
05	102	145	140	145	345	49	85	125
99	98	128	126	124	313	51	82	124
98	96	116	114	113	298	51	81	121
96	96	109	106	107	290	50	81	119
96	94	106	101	103	284	50	78	117
95	94	103	99	101	281	51	78	114
94	94	101	97	100	281	51	79	113
94	94	100	96	98	279	50	76	113
94	93	100		98	278	50	76	111

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
411	127	36	93	94	92	100	95
412	127	54	92	93	92	98	95
413	128	13	92	94	92	99	94
414	128	32	92	92	92	98	95
415	128	50	91	93	93	98	95
416	129	9	92	94	92	98	94
417	129	28	92	93	92	98	95
418	129	46	92	92	92	96	93
419	130	5	92	93	91	96	92
420	130	23	92	92	92	96	92
421	130	42	92	93	92	96	93
422	131	1	91	93	93	97	93
423	131	19	92	92	92	96	93
424	131	38	92	92	92	97	93
425	131	57	92	92	91	96	92
426	132	15	92	92	92	95	92
427	132	34	92	93	92	96	92
428	132	52	92	93	93	96	92
429	133	11	92	93	92	96	93
430	133	30	95	94	95	96	92
431	133	48	114	112	115	104	97
432	134	7	132	129	134	124	115
433	134	25	123	111	114	134	125
434	134	44	123	106	110	130	122
435	135	3	122	108	111	126	118
436	135	21	122	107	109	124	117
437	135	40	121	106	108	123	116
438	135	58	120	105	109	121	116
439	136	17	110	98	100	121	117
440	136	36	95	88	88	112	111
441	136	54	88	84	84	103	103
442	137	13	104	101	103	99	96
443	137	32	116	111	116	111	103
444	137	50	121	115	118	121	112
445	138	9	123	114	119	128	119
446	138	27	122	112	116	130	121
447	138	46	112	100	103	128	123
448	139	5	95	88	87	118	116
449	139	23	83	80	78	107	11
450	139	42	78	77	77	100	10
451	140	0	77	76	77	96	9
452	140	19	78	78	78	93	9
453	140	38	79	79	79	94	9
454	140	56	80	79	80	93	8
455	141	15	80	79	81	94	9
456	141	33	80	81	82	95	8
457	141	52	81	80	83	95	9
458	142	11	81	82	83	96	9
459	142	29	81	82	85	97	9
460	142	48	82	84	86	99	9

-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL
CSE	CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER
G.4	STG.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL
.30	6.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
94	92	100	95	97	277	49	75	110
93	92	98	95	97	278	49	75	110
94	92	99	94	97	277	50	74	108
92	92	98	95	98	276	49	74	108
93	93	98	95	97	276	48	73	108
94	92	98	94	97	277	49	72	107
93	92	98	95	97	276	49	73	105
92	92	96	93	97	276	49	73	105
93	91	96	92	97	278	48	73	105
92	92	96	92	97	277	49	73	105
93	92	96	93	97	278	49	73	104
93	93	97	93	97	277	49	72	104
92	92	96	93	97	276	49	72	104
92	92	97	93	97	277	50	72	105
92	91	96	92	97	276	48	72	103
92	92	95	92	97	276	49	74	104
93	92	96	92	97	276	50	73	103
93	93	96	92	96	277	51	72	103
93	92	96	93	97	279	51	73	103
94	95	96	92	97	287	50	76	103
2	115	104	97	110	341	50	75	104
9	134	124	115	140	416	50	75	108
11	114	134	125	146	373	50	79	108
6	110	130	122	140	346	50	79	109
8	111	126	118	136	338	50	81	109
7	109	124	117	135	332	53	81	110
6	108	123	116	132	331	52	81	111
5	109	121	116	131	328	52	81	111
8	100	121	117	128	320	53	86	111
8	88	112	111	114	302	54	87	110
4	84	103	103	102	289	53	84	109
1	103	99	96	102	312	53	79	110
1	116	111	103	123	342	54	81	111
5	118	121	112	137	354	53	82	112
4	119	128	119	145	356	52	82	113
2	116	130	121	147	355	52	83	113
0	103	126	123	142	339	53	88	113
8	87	118	116	123	324	52	94	112
0	78	107	110	105	324	56	99	110
7	77	100	102	95	325	64	97	109
6	77	96	96	89	323	74	91	108
8	78	93	93	87	318	76	89	107
9	79	94	91	86	313	74	87	106
9	80	93	88	87	308	73	88	106
9	81	94	90	85	304	70	90	106
X	82	95	89	87	301	72	89	106
0	83	95	90	87	297	71	90	105
2	83	96	92	88	294	71	90	105
2	85	97	92	89	290	69	92	105
3	86	99	93	90	288	68	92	104

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
461	143	6	83	85	87	100	93
462	143	25	84	85	89	101	94
463	143	44	81	83	86	102	95
464	144	2	74	75	75	96	92
465	144	21	70	71	71	89	88
466	*	*	*	*	*	*	*

-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL
CSE	CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER
G.4	STG.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL
.30	6.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
85	87	100	93	90	285	67	91	105
85	89	101	94	91	283	67	92	103
83	86	102	95	92	277	66	92	113
75	75	96	92	87	259	62	96	113
71	71	89	88	81	250	61	96	111
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
13 JULY 1970
RUN NO. 25C +125 DEG F

-01 SHEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
215	66	37	142	86	126
216	66	56	142	86	125
217	67	14	141	86	125
218	67	33	141	86	125
219	67	52	140	86	124
220	68	10	140	86	124
221	68	29	139	85	124
222	68	48	138	85	124
223	69	7	138	85	123
224	69	25	137	85	123
225	69	44	137	85	122
226	70	3	136	84	122
227	70	21	136	85	122
228	70	40	135	85	122
229	70	59	134	85	121
230	71	18	134	84	121
231	71	36	133	85	121
232	71	55	132	84	120
233	72	14	132	84	119
234	72	32	131	84	119
235	72	51	130	83	119
236	73	10	130	83	119
237	73	28	130	84	119
238	73	47	129	83	118
239	74	6	129	83	117
240	74	24	128	83	118
241	74	43	128	82	117
242	75	2	127	83	117
243	75	21	127	83	116
244	75	39	126	83	116
245	75	58	125	83	116
246	76	19	123	82	113
247	76	37	121	82	114
248	76	56	122	82	114
249	77	15	121	82	113
250	77	33	121	82	113
251	77	52	120	82	113
252	78	11	120	82	113
253	78	29	119	82	113
254	78	48	119	81	113
255	79	7	118	81	113
256	79	25	119	81	112
257	79	44	118	82	112
258	80	3	117	82	112
259	80	21	118	80	111

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
260	80	40	117	80	111
261	80	59	116	80	111
262	81	17	116	81	110
263	81	36	116	81	110
264	81	55	116	81	110
265	82	13	116	81	109
266	82	32	115	80	110
267	82	51	114	81	109
268	83	9	115	80	109
269	83	28	114	81	109
270	83	47	113	80	109
271	84	5	113	80	109
272	84	24	113	80	107
273	84	43	113	80	107
274	85	1	113	80	108
275	85	20	112	80	107
276	85	39	111	79	107
277	85	57	111	79	107
278	86	16	109	80	106
279	86	35	109	80	106
280	86	55	109	80	106
281	87	13	110	91	105
282	87	32	124	93	105
283	87	50	151	91	105
284	88	9	189	93	106
285	88	28	224	94	109
286	88	46	263	94	113
287	89	5	300	96	117
288	89	24	332	96	124
289	89	42	357	98	128
290	90	1	376	99	134
291	90	20	392	100	140
292	90	38	405	100	145
293	90	57	415	101	149
294	91	16	422	101	153
295	91	34	425	102	157
296	91	53	429	102	160
297	92	12	432	103	163
298	92	30	432	102	166
299	92	49	434	103	169
300	93	8	434	103	171
301	93	26	431	103	173
302	93	45	434	103	175
303	94	4	436	103	176
304	94	22	437	104	178
305	94	41	437	103	179
306	95	0	438	103	180
307	95	18	440	102	181
308	95	37	438	103	183
309	95	56	437	102	184

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
310	96	14	437	104	184
311	96	33	436	103	184
312	96	51	437	104	184
313	97	10	439	104	185
314	97	29	438	104	186
315	97	47	435	104	187
316	98	6	433	104	188
317	98	25	421	103	188
318	98	43	407	102	186
319	99	2	393	100	184
320	99	21	383	100	182
321	99	39	375	99	180
322	99	58	369	100	178
323	100	17	367	99	176
324	100	35	363	99	175
325	100	54	361	99	173
326	101	12	359	98	171
327	101	31	357	98	170
328	101	50	356	98	169
329	102	8	356	98	167
330	102	27	357	97	166
331	102	46	356	98	165
332	103	4	355	97	164
333	103	23	355	98	163
334	103	42	354	98	162
335	104	0	355	97	162
336	104	19	355	98	161
337	104	38	355	97	161
338	104	56	355	98	160
339	105	15	355	97	160
340	105	33	355	96	160
341	105	52	356	97	159
342	106	11	356	97	158
343	106	29	355	97	158
344	106	48	355	96	159
345	107	7	354	96	158
346	107	25	355	98	159
347	107	44	359	97	159
348	108	3	365	98	160
349	108	21	375	98	161
350	108	40	381	99	162
351	108	59	401	99	164
352	109	17	413	100	167
353	109	36	425	100	169
354	109	54	440	100	173
355	110	13	453	101	176
356	110	32	462	101	179
357	110	50	470	101	181
358	111	9	475	102	184
359	111	28	475	102	186

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
360	111	46	477	101	189
361	112	5	477	102	190
362	112	23	477	101	193
363	112	42	477	102	194
364	113	1	475	101	195
365	*	*	*	*	*
366	113	57	476	101	199
368	114	15	475	100	198
369	114	34	475	102	199
370	114	53	474	101	200
371	115	11	472	101	201
372	115	30	472	102	201
373	115	48	473	101	201
374	116	7	473	101	202
375	116	26	472	103	204
376	116	44	456	101	203
377	117	3	435	101	202
378	117	22	419	100	200
379	117	40	412	100	197
380	117	59	427	100	197
381	118	17	450	102	198
382	118	36	470	101	200
383	118	55	480	102	201
384	119	13	484	102	202
385	119	32	488	102	203
386	119	50	488	102	205
387	120	9	489	102	206
388	120	28	489	102	208
389	120	46	490	103	208
390	121	5	491	103	210
391	121	24	493	104	210
392	121	42	491	102	212
393	122	1	490	102	212
394	122	19	492	103	213
395	122	38	491	103	213
396	122	57	490	102	213
397	123	15	490	103	215
398	123	34	489	103	216
399	123	52	491	102	215
400	124	11	492	102	216
401	124	30	479	101	216
402	124	48	456	97	213
403	125	7	434	95	210
404	125	26	413	94	205
405	125	44	396	94	201
406	126	3	386	92	197
407	126	21	376	89	193
408	126	40	369	90	189
409	126	59	364	88	185
410	127	17	361	87	181

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
411	127	36	357	87	177
412	127	54	354	85	174
413	128	13	354	85	171
414	128	32	351	85	169
415	128	50	349	85	166
416	129	9	347	84	163
417	129	28	346	84	161
418	129	46	344	82	160
419	130	5	343	83	158
420	130	23	343	82	156
421	130	42	341	83	154
422	131	1	342	82	152
423	131	19	342	82	151
424	131	38	341	81	150
425	131	57	340	83	149
426	132	15	341	82	148
427	132	34	340	83	146
428	132	52	339	82	145
429	133	11	341	83	145
430	133	30	341	83	146
431	133	48	345	84	145
432	134	7	373	87	146
433	134	25	389	89	150
434	134	44	389	88	151
435	135	3	384	89	153
436	135	21	375	90	153
437	135	40	368	91	154
438	135	58	361	91	155
439	136	17	360	93	155
440	136	36	362	93	156
441	136	54	368	92	157
442	137	13	372	89	156
443	137	32	375	91	157
444	137	50	376	93	157
445	138	9	377	93	159
446	138	27	378	92	160
447	138	46	378	95	161
448	139	5	380	98	161
449	139	23	379	106	163
450	139	42	370	106	167
451	140	0	361	104	170
452	140	19	350	104	171
453	140	38	341	103	174
454	140	56	333	102	176
455	141	15	326	101	178
456	141	33	320	102	179
457	141	52	315	101	181
458	142	11	310	101	182
459	142	29	305	102	184
460	142	48	301	102	185

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
461	143	6	299	101	186
462	143	25	294	102	186
463	143	44	291	101	188
464	144	2	284	113	188
465	144	21	275	112	187
466	*	*	*	*	*

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RUN 26, 125°F, Engine Oil Test/Second Stage Hydraulic System Cooling, 14 July 1970
Engine No. 1 Pump (S/N 597) at Nominal Setting of 6.25 gpm (medium)
Engine No. 2 Pump (S/N 595) at Nominal Setting of 6.30 gpm (medium)
Soak time N/A

RUN 26 +125°F 14JULY 70

Test Synopsis:

This run presents the final 125°F engine oil test data with the oil pumps at the medium flow setting. Previous runs (25A and 25B) presented data for low oil flow settings and run 25C presented data for high oil flow setting.

This run also contains data showing second stage hydraulic system cooling characteristics. From C/N 219 to C/N 232 the second stage hydraulic system was pressurized without rotor operation resulting in an overheat condition (temperature of 135°C/275°F or higher) after 5 minutes. Due to the cooling effect caused by the turning rotors, such an overheat condition had not been noted with the main rotors turning.

Pertinent information.

Engine No. 1 had -13 fuel control and no EAPS.

Engine No. 2 had -12 fuel control, EAPS, and armor plating installed.

Both engines had calibrated engine oil pumps installed.

Test parameters not connected or not presented.

1-4-Free air temperature (not connected).

2-18-Main wheel brake return hydraulic pressure (not connected).

2-19 through 3-26-Heater output airflow differential pressure (not presented).

3-1 through 3-28 (all parameters on switch box position 3)-Heater duct and aircraft compartment temperatures (not presented).

Defective test parameters not presented (unless indicated otherwise).

4-13-Second stage hydraulic system pump outlet temperatures.

7-12-Engine No. 1 compressor case temperature, 3rd stage, 3 o'clock position.

7-19-Engine No. 1 compressor case temperature, 5th stage, 3 o'clock position.

7-20-Engine No. 1 compressor case temperature, 5th stage, 4:30 o'clock position.

8-18-Engine No. 2 compressor case temperature, 5th stage, 9 o'clock position.

Event Sheet:

CTR	Event
41	Engine No. 1 - start
	NOTE: APP EGT peaked at 650°C while starting engine No. 1.
46	Rotor brake - OFF
50	Engine No. 1 throttle - forward

CTR	Event
55	Engine No. 2 - start
60	Engine No. 2 throttle - set at 100-percent N_f
64-69	Operate both engines at 50-percent torque and allow temperatures to stabilize.
94-123	Operate engine No. 1 at 80-percent torque and allow temperatures to stabilize.
94-123	Operation engine No. 2 at flight idle (12-percent torque) and allow temperatures to stabilize.
128-153	Operate engine No. 2 at 80-percent torque and allow temperatures to stabilize.
130-153	Operate engine No. 1 at flight idle (12-percent torque) and allow temperatures to stabilize.
156-175	Operate engine No. 2 at maximum available torque (90 percent) and allow temperatures to stabilize.
177-202	Operate engine No. 1 at maximum available torque (96 percent) and allow temperatures to stabilize.
206	Operate both engines at maximum available torque.
208	Operate both engines at 80-percent torque.
211	Throttles - ground idle
214	APP - start
216	Throttles - shutoff
219-232	Second stage hydraulic fluid overheating after rotor shutdown (5 minutes).
232	APP - shutdown
234	End test

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
1	0	5	0	0	*	0	40
2	0	24	0	0	*	0	39
3	0	42	0	0	*	0	40
4	1	1	0	*	*	0	40
5	1	20	0	0	*	0	42
6	1	38	0	0	*	0	42
7	1	57	0	0	*	0	40
8	2	15	0	0	*	0	40
9	2	34	0	0	*	0	42
10	2	53	0	0	*	0	40
11	3	11	0	0	*	0	40
12	3	30	0	0	*	0	40
13	3	49	0	0	*	0	42
14	4	7	0	0	*	0	40
15	4	26	0	0	*	0	39
16	4	45	0	0	*	0	40
17	5	3	0	0	*	0	40
18	5	22	0	0	*	0	38
19	5	40	0	0	*	0	40
20	5	59	0	0	*	0	40
21	6	18	0	0	*	0	40
22	6	36	0	0	*	0	44
23	6	55	0	0	*	0	40
24	7	14	0	0	*	0	40
25	7	32	0	0	*	0	40
26	7	51	0	0	*	0	42
27	8	10	0	0	*	0	40
28	8	28	0	0	*	0	39
29	8	47	0	0	*	0	40
30	9	5	0	0	*	0	42
31	9	24	0	0	*	0	40
32	9	43	0	0	*	0	39
33	10	1	0	0	*	0	39
34	10	20	0	0	*	0	40
35	10	39	0	*	*	0	42
36	10	57	0	0	*	0	39
37	*	*	0	0	*	0	40
38	11	34	0	0	*	0	38
39	11	53	0	0	*	0	39
40	12	12	0	0	*	0	38
41	12	30	0	0	*	0	39
42	12	49	21	0	*	0	38
43	13	7	54	41	*	1	352
44	13	26	61	41	*	0	536

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

1-06 ENG.1 FUEL FLOW RPM (NG) PERCNT	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
0	*	0	40	0	*	*	1	38
0	*	0	39	0	*	*	1	37
0	*	0	40	0	*	*	1	38
*	*	0	40	0	*	*	1	38
0	*	0	42	0	*	*	1	38
0	*	0	42	0	*	*	1	38
0	*	0	40	0	*	*	1	39
0	*	0	40	0	*	*	1	37
0	*	0	42	0	*	*	1	39
0	*	0	40	0	*	*	0	39
0	*	0	40	0	*	*	1	38
0	*	0	40	0	*	*	1	39
0	*	0	42	0	*	*	1	38
0	*	0	40	0	*	*	1	38
0	*	0	39	0	*	*	1	38
0	*	0	40	0	*	*	1	38
0	*	0	40	0	*	*	1	37
0	*	0	38	0	*	*	2	39
0	*	0	40	0	*	*	2	38
0	*	0	40	0	*	*	1	37
0	*	0	40	0	*	*	1	37
0	*	0	44	0	*	*	1	35
0	*	0	40	0	*	*	1	38
0	*	0	40	0	*	*	1	38
0	*	0	40	0	*	*	1	37
0	*	0	42	0	*	*	1	38
0	*	0	40	0	*	*	1	37
0	*	0	39	0	*	*	1	37
0	*	0	40	0	*	*	1	37
0	*	0	42	0	*	*	1	37
0	*	0	40	0	*	*	2	38
0	*	0	39	0	*	*	2	38
0	*	0	39	0	*	*	1	39
0	*	0	40	0	*	*	1	37
*	*	0	42	0	*	*	1	38
0	*	0	39	0	*	*	1	39
0	*	0	40	0	*	*	1	37
0	*	0	38	0	*	*	1	38
0	*	0	39	0	*	*	1	38
0	*	0	38	0	*	*	1	38
0	*	0	39	0	*	*	1	38
0	*	0	38	0	*	*	1	38
41	*	1	352	0	*	*	1	39
41	*	0	536	0	*	*	2	37
41	*	0	563	0	*	*	1	35

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
46	14	3	62	41	*	0	574
47	14	22	61	40	6	22	578
48	14	41	62	41	4	27	585
49	14	59	62	41	3	33	594
50	15	18	62	40	3	34	601
51	15	37	74	59	9	37	626
52	15	55	88	118	23	100	578
53	16	14	90	125	28	101	584
54	16	33	89	114	24	101	555
55	16	51	88	113	24	101	552
56	17	10	88	116	26	101	552
57	17	28	89	113	24	101	546
58	17	47	88	113	24	101	544
59	18	6	84	80	9	100	499
60	18	24	85	85	12	99	502
61	18	43	86	86	12	99	495
62	19	1	90	133	40	100	546
63	19	20	92	163	50	100	616
64	19	39	92	154	47	101	607
65	19	57	91	157	49	99	607
66	20	16	92	157	49	100	607
67	20	35	91	159	50	100	605
68	20	53	91	156	48	99	603
69	21	12	92	156	48	100	601
70	21	30	91	156	49	100	603
71	21	49	92	155	48	100	603
72	22	8	91	157	49	100	603
73	22	26	92	157	49	100	601
74	22	45	92	157	49	100	601
75	23	3	91	158	49	100	599
76	23	22	93	156	48	100	599
77	23	41	91	157	49	75	599
78	23	59	91	158	50	100	598
79	24	18	91	159	50	100	601
80	24	36	91	157	49	100	598
81	24	55	91	158	50	98	597
82	25	14	91	157	49	100	597
83	25	32	92	150	50	100	598
84	25	51	92	157	50	100	598
85	26	9	92	157	49	102	599
86	26	28	92	157	49	102	598
87	26	47	94	158	50	99	597
88	27	5	94	157	49	99	596
89	27	24	91	156	49	100	594
90	27	42	87	92	18	100	509
91	28	1	88	111	25	102	521
92	28	20	90	144	47	101	560
93	28	38	94	191	68	99	635
94	28	57	96	214	79	100	680
95	29	15	95	213	78	100	

1-06 ENG.1 FUEL FLOW L/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
41	*	0	574	0	*	*	1	37
40	6	22	578	0	*	*	1	37
41	4	27	585	0	*	*	1	38
41	3	33	594	0	*	*	1	38
40	3	34	601	0	*	*	1	37
59	9	37	626	0	*	*	1	37
118	23	100	578	0	*	*	1	38
125	28	101	584	0	*	*	1	35
114	24	101	555	0	*	*	1	37
113	24	101	552	0	*	*	1	37
116	26	101	552	40	28	*	22	91
113	24	101	546	64	44	*	61	501
113	24	101	544	66	51	*	67	571
80	9	100	499	85	89	10	101	502
85	12	99	502	85	88	11	101	509
86	12	99	495	85	88	11	101	499
133	40	100	546	91	131	36	102	542
163	50	100	616	93	155	45	102	604
154	47	101	607	93	161	49	101	615
157	49	99	607	93	160	49	101	612
157	49	100	607	93	159	48	102	609
159	50	100	605	93	159	49	101	608
156	48	99	603	92	156	47	101	609
156	48	100	601	93	156	47	101	600
156	49	100	603	93	157	48	101	600
155	48	100	603	94	155	47	101	600
157	49	100	603	93	157	48	102	606
157	49	100	601	92	156	47	102	596
157	49	100	601	94	156	47	102	598
158	49	100	599	93	157	48	101	596
156	46	100	599	93	155	47	102	594
157	49	75	599	92	157	47	101	596
158	50	100	598	94	157	48	100	593
159	50	100	601	93	157	47	101	596
157	49	100	598	92	156	47	101	593
158	50	98	597	94	156	48	102	596
157	49	100	597	94	156	47	101	591
158	50	100	598	93	157	48	101	591
157	50	100	598	92	156	48	101	590
157	49	102	599	93	156	48	101	593
157	49	102	598	92	156	47	102	590
158	50	99	597	92	156	47	102	593
157	49	99	596	92	157	48	103	596
156	49	100	594	92	156	47	103	591
92	18	100	509	85	83	8	102	497
111	25	102	521	81	62	*	103	466
144	47	101	560	84	74	6	103	466
191	68	99	635	85	85	11	103	467
214	79	100	680	75	87	11	103	472
213	78	100		85	86	11	101	472

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
96	29	34	95	214	79	98	683
97	29	53	96	212	79	99	683
98	30	11	96	213	78	100	683
99	30	30	96	213	79	99	682
100	30	48	96	214	80	99	681
101	31	7	96	213	79	99	682
102	31	26	96	213	79	99	681
103	31	44	96	212	78	99	680
104	32	3	95	213	80	99	681
105	32	21	96	213	79	99	681
106	32	40	96	212	79	99	680
107	32	58	96	213	79	99	682
108	33	17	96	212	78	99	682
109	33	36	95	211	79	97	680
110	33	54	96	213	80	100	680
111	34	13	95	212	79	98	681
112	34	31	95	212	79	*	681
113	34	50	97	213	79	98	680
114	35	9	97	212	79	100	681
115	35	27	95	213	79	98	681
116	35	46	96	212	79	100	680
117	36	4	96	212	79	100	680
118	36	23	96	213	79	99	681
119	36	41	95	212	79	99	680
120	37	0	96	213	79	100	680
121	37	19	95	213	80	99	678
122	37	37	95	212	79	99	677
123	37	56	95	213	79	99	678
124	38	14	87	101	18	100	527
125	38	33	78	56	1	96	458
126	38	51	80	62	3	100	447
127	39	10	84	84	12	100	457
128	39	29	88	92	17	100	471
129	39	47	85	91	16	*	471
130	40	6	85	85	13	98	465
131	40	24	84	83	12	99	465
132	40	43	83	83	12	99	462
133	41	2	84	84	12	99	463
134	41	20	85	84	13	98	466
135	41	39	84	84	12	*	461
136	41	57	84	84	13	99	465
137	42	16	84	85	13	98	463
138	42	34	84	85	12	99	463
139	42	53	84	84	13	99	463
140	43	12	85	83	12	100	463
141	43	30	83	84	13	98	463
142	43	49	84	84	12	97	463
143	44	7	83	83	12	99	462
144	44	26	84	83	12	99	463
145	44	44	84	84	12	99	463

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-06 G.1 UEL LOW /HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
14	79	98	683	85	86	11	101	484
12	79	99	683	86	86	11	101	473
13	78	100	683	86	86	11	102	484
13	79	99	682	85	86	11	101	472
14	80	99	681	86	86	11	101	471
13	79	99	682	85	86	11	101	476
13	79	99	681	85	86	11	101	473
12	78	99	680	*	88	11	101	472
13	80	99	681	86	89	13	101	475
13	79	99	681	85	89	13	101	476
12	79	99	680	88	89	12	101	477
13	79	99	682	86	89	12	101	484
12	78	99	682	88	88	12	101	476
11	79	97	680	86	88	12	100	476
13	80	100	680	86	89	12	101	475
12	79	98	681	86	89	12	101	475
12	79	*	681	96	89	12	*	484
13	79	98	680	85	89	12	101	475
12	79	100	681	85	89	12	101	475
13	79	98	681	85	89	12	101	484
12	79	100	680	86	89	12	101	473
12	79	100	680	86	89	12	*	509
13	79	99	681	86	89	12	100	484
12	79	99	680	86	89	12	102	475
13	79	100	680	86	89	12	101	477
13	80	99	676	86	90	12	101	473
12	79	99	677	85	89	12	100	477
13	79	99	678	86	89	11	102	481
01	18	100	527	84	86	15	104	484
56	1	96	458	91	120	29	103	517
62	3	100	447	96	207	71	103	653
84	12	100	457	97	219	78	103	677
92	17	100	471	97	220	80	102	687
91	16	*	471	99	216	79	102	676
85	13	98	465	96	215	79	101	673
83	12	99	465	96	213	77	100	709
83	12	99	462	96	213	78	101	672
84	12	99	463	97	214	79	102	673
84	13	98	466	96	215	78	101	672
84	12	*	461	96	213	78	101	670
84	13	99	465	96	214	79	101	672
85	13	98	463	96	214	78	101	672
85	12	99	463	96	214	78	101	673
84	13	99	463	98	215	79	101	672
83	12	100	463	97	214	79	102	673
84	13	98	463	98	216	81	101	672
84	12	97	463	97	215	80	101	673
83	12	99	462	92	214	79	100	673
83	12	99	463	97	214	78	101	670
84	12	99	463	97	214	78	101	673

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
146	45	3	83	85	12	100	462
147	45	22	84	83	13	98	463
148	45	40	83	84	12	98	463
149	45	59	84	84	12	98	463
150	46	17	84	83	12	100	465
151	46	36	85	85	13	99	463
152	46	54	84	84	12	99	463
153	47	13	83	83	12	98	461
154	47	32	78	56	1	99	448
155	47	50	78	58	0	*	446
156	48	9	80	63	3	99	442
157	48	27	78	58	1	98	438
158	48	46	78	58	1	97	438
159	49	5	78	58	1	98	437
160	49	23	78	57	1	97	438
161	49	42	78	58	0	98	438
162	50	0	79	58	1	97	437
163	50	19	78	58	1	96	441
164	50	37	78	58	1	96	438
165	50	56	79	58	1	97	438
166	51	15	78	58	0	97	441
167	51	33	78	58	1	97	441
168	51	52	79	57	1	99	439
169	52	10	78	58	1	96	441
170	52	29	78	58	1	97	438
171	52	47	78	58	1	97	438
172	53	6	79	58	1	97	438
173	53	25	78	58	0	96	438
174	53	43	78	58	0	97	439
175	54	2	79	58	1	97	438
176	54	20	79	62	1	102	446
177	54	39	96	247	95	*	704
178	54	57	96	246	95	99	720
179	55	16	96	246	95	98	721
180	55	35	97	244	95	97	720
181	55	53	97	243	95	99	721
182	56	12	98	243	95	99	720
183	56	30	97	243	95	102	718
184	56	49	97	243	95	99	719
185	57	7	97	242	95	99	715
186	57	26	96	243	95	*	714
187	57	45	96	241	94	99	716
188	58	3	97	242	95	99	714
189	58	22	97	243	94	100	715
190	58	40	98	242	95	99	714
191	58	59	97	242	94	98	715
192	59	17	97	242	94	99	718
193	59	36	97	242	94	100	714
194	59	55	98	242	94	100	715
195	60	13	97	242	94	100	7

-06	1-07	1-08	1-09	1-10	1-11	1-12	1-13	1-14
G.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
UEL		POWER	TURB		FUEL		POWER	TURB
LOW		TURB	INLET	RPM	FLOW		TURB	INLET
	TORQUE	SPEED	TEMP	(NG)		TORQUE	SPEED	TEMP
		RPM	(T-5)				RPM	(T-5)
/HR	PERCNT	PERCNT	DEG.C	PERCNT	GAL/HR	PERCNT	PERCNT	DEG.C
85	12	100	462	97	216	79	101	673
83	13	98	463	97	216	79	101	672
84	12	98	463	98	213	78	101	672
84	12	98	463	97	215	79	101	672
83	12	100	465	96	214	79	100	670
85	13	99	463	98	217	80	101	672
84	12	99	463	97	215	79	101	672
83	12	95	461	97	214	79	100	674
56	1	99	448	88	110	21	104	526
58	0	*	446	89	118	29	105	521
63	3	99	442	98	234	89	101	682
58	1	98	438	99	237	89	101	697
58	1	97	438	98	237	90	102	698
58	1	96	437	98	236	89	102	699
57	1	97	438	98	236	89	102	699
58	0	98	438	98	236	89	102	701
58	1	97	437	99	235	89	101	698
58	1	96	441	98	236	89	102	698
58	1	96	438	98	236	89	101	699
58	1	97	438	98	235	89	*	701
58	0	97	441	98	235	89	102	698
58	1	97	441	98	235	89	101	698
57	1	99	439	98	235	88	101	702
58	1	96	441	98	236	89	101	698
58	1	97	438	99	236	90	*	698
58	1	97	438	97	237	90	102	698
58	1	97	438	98	236	90	100	702
58	0	96	438	98	236	89	101	698
58	0	97	439	99	237	90	101	697
58	1	97	438	98	237	90	101	699
62	1	102	446	89	111	22	104	542
47	95	*	704	82	60	3	101	460
46	95	99	720	80	55	*	99	448
46	95	98	721	85	56	*	99	446
44	95	97	720	79	56	*	100	442
43	95	99	721	80	57	*	99	442
43	95	99	720	82	58	*	99	442
43	95	102	718	80	57	*	99	443
43	95	99	719	80	58	*	99	442
42	95	99	715	79	56	*	100	443
43	95	*	714	79	58	*	100	443
41	94	99	716	79	58	*	99	445
42	95	99	714	79	58	*	99	446
43	94	100	715	80	58	*	99	446
42	95	99	714	80	58	*	99	451
42	94	98	715	79	58	*	100	446
42	94	99	716	79	58	*	99	447
42	94	100	714	79	59	*	100	446
42	94	100	715	80	58	*	99	447
[illegible]	94	100	[illegible]	79	58	*	99	447

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
196	60	32	96	243	94	100	715
197	60	50	96	242	94	102	714
198	61	9	97	242	94	99	714
199	61	27	97	243	95	99	714
200	61	46	97	241	94	99	713
201	62	5	97	242	94	100	713
202	62	23	96	242	94	100	715
203	62	42	88	112	26	75	532
204	63	0	83	78	10	101	469
205	63	19	83	81	11	100	461
206	63	37	95	219	86	100	647
207	63	56	94	196	71	101	655
208	64	15	94	213	79	100	673
209	64	33	83	91	8	102	547
210	64	52	85	80	10	102	457
211	65	10	85	83	12	99	467
212	65	29	84	84	13	99	466
213	65	47	84	85	13	100	467
214	66	6	84	86	13	100	465
215	66	25	84	87	14	100	462
216	66	43	83	86	13	98	465
217	67	2	63	36	0	62	480
218	67	20	19	0	*	18	381
219	67	39	7	0	13	6	278
220	67	57	3	0	*	0	237
221	68	16	0	0	*	0	230
222	68	35	0	*	*	0	235
223	68	53	0	0	*	0	250
224	69	12	0	*	*	0	261
225	69	30	0	0	*	0	270
226	69	49	0	*	*	0	277
227	70	7	0	0	*	0	286
228	70	26	23	*	12	9	279
229	70	44	31	0	14	5	197
230	71	3	10	*	*	8	148
231	71	22	4	0	*	0	133
232	71	40	0	0	*	0	129
233	71	59	0	*	*	0	134
234	72	17	0	0	*	0	142
235	*	*	*	*	*	*	*

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1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-10 ENG.2 RPM (NG) PERCNT	1-11 ENG.2 FUEL FLOW GAL/HR	1-12 ENG.2 TORQUE PERCNT	1-13 ENG.2 POWER TURB SPEED RPM PERCNT	1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C
243	94	100	715	79	59	*	99	447
242	94	102	714	79	58	*	99	447
242	94	99	714	80	58	*	99	463
243	95	99	714	79	58	*	99	447
241	94	99	713	79	58	*	99	447
242	94	100	713	79	58	*	99	448
242	94	100	715	80	59	*	99	446
112	26	75	532	80	60	*	101	455
78	10	101	469	85	92	11	102	466
81	11	100	461	86	91	11	101	476
219	86	100	647	98	233	87	102	684
196	71	101	655	96	214	71	*	682
213	79	100	673	96	223	80	102	687
91	8	102	547	86	102	10	103	561
80	10	102	467	88	91	11	104	484
83	12	99	467	85	86	9	103	471
84	13	99	466	85	88	10	102	471
85	13	100	467	85	86	9	101	467
86	13	100	465	86	86	9	102	467
87	14	100	462	87	89	10	102	466
86	13	98	465	86	83	4	102	468
36	0	62	480	67	40	*	66	494
0	*	18	381	32	*	*	34	445
0	13	6	278	10	*	*	11	295
0	*	0	237	3	*	*	5	236
0	*	0	230	0	*	*	1	222
0	*	0	235	0	*	*	1	227
0	*	0	250	0	*	*	1	241
0	*	0	261	0	*	*	0	254
0	*	0	270	0	*	*	1	264
0	*	0	277	0	*	*	1	274
0	*	0	286	0	*	*	1	278
0	12	9	279	0	*	*	0	283
0	14	5	197	0	*	*	1	285
0	*	8	148	23	*	14	9	274
0	*	0	133	27	*	101	9	181
0	*	0	129	9	*	*	1	138
0	*	0	134	3	*	*	1	126
0	*	0	142	0	*	*	1	126
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
1	0	5	0	*	*	3	0
2	0	24	0	*	*	3	1
3	0	42	0	*	*	2	1
4	1	1	0	*	*	2	0
5	1	20	0	*	*	3	0
6	1	38	0	*	*	3	0
7	1	57	0	*	*	3	0
8	2	15	0	*	*	2	0
9	2	34	0	*	*	3	0
10	2	53	0	*	*	1	0
11	3	11	0	*	*	1	0
12	3	30	0	*	*	1	0
13	3	49	0	*	*	2	0
14	4	7	0	*	*	3	0
15	4	26	0	*	*	2	0
16	4	45	0	*	*	3	0
17	5	3	0	*	*	1	0
18	5	22	0	*	*	3	0
19	5	40	0	*	*	1	0
20	5	59	0	*	*	2	0
21	6	18	0	*	*	2	0
22	6	36	0	*	*	2	0
23	6	55	0	*	*	3	0
24	7	14	0	*	*	2	0
25	7	32	0	*	*	1	0
26	7	51	0	*	*	2	0
27	8	10	0	*	*	2	0
28	8	28	0	*	*	2	0
29	8	47	0	*	*	1	0
30	9	5	0	*	*	1	0
31	9	24	0	*	*	3	0
32	9	43	0	*	*	2	0
33	10	1	0	*	*	2	0
34	10	20	0	*	*	2	0
35	10	39	0	*	*	2	0
36	10	57	0	*	*	2	0
37	*	*	0	*	*	2	0
38	11	34	0	*	*	2	1
39	11	53	0	*	*	2	0
40	12	12	0	*	*	1	0
41	12	30	0	*	*	2	0
42	12	49	0	19	*	9	4
43	13	7	0	19	*	31	14
44	13	26	0	19	*	34	
45	13	45	0	19	*	34	

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
*	*	3	0	0	2	2	0	0
*	*	3	1	0	3	1	1	0
*	*	2	1	0	2	0	1	0
*	*	2	0	0	3	1	0	0
*	*	3	0	0	2	2	0	0
*	*	3	0	0	2	2	0	0
*	*	3	0	0	2	1	0	1
*	*	2	0	0	2	2	0	1
*	*	3	0	0	2	2	0	0
*	*	1	0	0	2	2	0	1
*	*	1	0	0	2	1	0	0
*	*	1	0	0	3	1	1	0
*	*	2	0	0	2	1	0	0
*	*	3	0	0	2	2	0	0
*	*	2	0	0	2	1	0	0
*	*	3	0	0	2	2	0	0
*	*	1	0	0	2	27	0	0
*	*	3	0	0	2	30	0	0
*	*	1	0	0	2	31	0	0
*	*	2	0	0	2	31	0	0
*	*	2	0	0	2	30	0	0
*	*	2	0	0	1	30	0	0
*	*	3	0	0	2	29	0	0
*	*	2	0	0	2	30	0	0
*	*	1	0	0	2	29	0	0
*	*	3	0	0	1	30	0	0
*	*	2	0	0	2	29	0	0
*	*	2	0	0	2	29	0	0
*	*	1	0	0	2	29	0	0
*	*	1	0	0	2	30	0	0
*	*	3	0	0	2	30	0	0
*	*	2	0	0	1	31	0	0
*	*	2	0	0	2	30	0	0
*	*	2	0	0	3	30	0	0
*	*	2	0	0	2	31	0	0
*	*	2	0	0	2	30	0	0
*	*	2	0	0	2	32	0	0
*	*	2	0	0	2	30	0	0
*	*	1	0	0	2	30	0	0
*	*	2	0	0	1	30	0	0
19	*	9	0	0	2	29	1	14
19	*	31	14	10	2	30	2	17
19	*	34	*	20	*	29	2	15

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
46	14	3	0	19	*	32	16
47	14	22	15	19	*	33	17
48	14	41	27	19	*	32	16
49	14	59	33	19	*	33	16
50	15	18	34	19	*	31	14
51	15	37	37	56	*	46	17
52	15	55	101	95	*	60	20
53	16	14	102	95	*	58	22
54	16	33	102	95	*	58	21
55	16	51	102	95	*	57	22
56	17	10	102	94	19	57	24
57	17	28	103	95	19	57	22
58	17	47	102	95	40	56	21
59	18	6	100	81	81	51	19
60	18	24	100	86	83	53	20
61	18	43	100	85	83	61	22
62	19	1	100	84	83	58	23
63	19	20	100	84	83	60	28
64	19	39	*	81	82	58	19
65	19	57	100	81	81	58	21
66	20	16	100	81	81	57	22
67	20	35	99	81	81	57	21
68	20	53	100	81	82	57	21
69	21	12	100	81	81	57	20
70	21	30	100	81	81	57	20
71	21	49	100	81	81	56	22
72	22	8	100	81	81	58	22
73	22	26	100	81	81	61	24
74	22	45	100	81	81	57	20
75	23	3	102	81	81	56	22
76	23	22	102	81	81	56	20
77	23	41	100	81	81	57	20
78	23	59	102	81	81	55	24
79	24	18	100	81	81	55	21
80	24	36	101	81	81	54	21
81	24	55	100	81	81	57	20
82	25	14	100	81	81	57	24
83	25	32	100	81	81	54	21
84	25	51	102	81	81	56	22
85	26	9	100	81	81	56	22
86	26	28	100	81	81	60	19
87	26	47	101	81	81	55	19
88	27	5	100	81	81	56	22
89	27	24	100	81	82	57	21
90	27	42	*	88	81	49	18
91	28	1	102	92	78	52	18
92	28	20	*	91	77	57	23
93	28	38	100	87	73	61	22
94	28	57	102	86	71	61	21
95	29	15	100	86	71	61	21

1590

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
19	*	32	16	24	2	29	2	17
19	*	33	17	26	5	29	2	17
19	*	32	16	0	14	29	12	17
19	*	33	16	28	20	29	16	15
19	*	31	14	2	20	30	18	15
56	*	48	17	17	25	29	29	48
95	*	60	20	21	69	29	54	80
95	*	58	22	24	69	29	54	84
95	*	58	21	22	68	29	54	81
95	*	57	22	24	70	30	54	82
94	19	57	24	23	72	27	54	83
95	19	57	22	22	71	30	55	81
95	40	56	21	22	69	30	55	81
81	81	51	19	22	75	29	62	63
86	83	53	20	24	70	29	62	65
85	83	51	22	24	68	27	61	65
84	83	58	23	24	71	27	62	102
84	83	59	20	23	68	29	60	106
81	82	58	19	22	70	28	63	105
81	81	58	21	21	68	28	60	108
81	81	57	22	23	71	27	62	107
81	81	57	21	23	70	26	65	108
81	82	57	21	22	61	29	62	105
81	81	57	20	26	71	27	62	107
81	81	57	20	24	64	27	63	107
81	81	56	22	24	71	28	63	107
81	81	58	22	23	71	28	63	108
81	81	61	24	23	69	27	63	107
81	81	57	20	21	63	29	62	107
81	81	56	22	22	65	26	63	108
81	81	56	20	23	73	26	64	107
81	81	57	20	24	68	28	62	108
81	81	55	24	22	69	27	63	108
81	81	55	21	22	66	29	62	107
81	81	54	21	24	65	27	66	106
81	81	57	20	24	67	29	64	107
81	81	57	24	22	61	28	65	107
81	81	54	21	23	69	26	65	107
81	81	56	22	21	62	27	63	106
81	81	56	22	23	55	29	66	107
81	81	60	19	25	63	26	65	108
81	81	55	19	22	71	26	64	109
81	81	56	22	24	55	27	65	107
81	82	57	21	24	55	29	64	107
80	81	49	18	22	69	26	64	73
92	78	52	18	22	52	28	66	82
91	77	57	23	23	68	27	64	107
87	73	61	22	26	63	23	66	128
86	71	61	21	22	71	26	64	134
86	71	61	21	23	63	27	64	133

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	E B OU
96	29	34	*	86	71	60	22	
97	29	53	100	86	71	61	21	
98	30	11	100	86	71	59	20	
99	30	30	98	86	71	61	22	
100	30	48	*	86	71	59	20	
101	31	7	99	86	71	62	22	
102	31	26	100	86	71	61	23	
103	31	44	100	86	72	60	23	
104	32	3	100	86	72	60	25	
105	32	21	100	86	72	61	23	
106	32	40	100	86	72	60	24	
107	32	58	100	86	72	61	23	
108	33	17	100	85	72	60	23	
109	33	36	100	86	72	61	22	
110	33	54	100	85	72	61	21	
111	34	13	*	86	72	61	22	
112	34	31	98	86	72	61	23	
113	34	50	100	86	72	60	21	
114	35	9	100	86	72	60	22	
115	35	27	100	86	72	61	22	
116	35	46	100	86	72	61	21	
117	36	4	*	86	72	63	22	
118	36	23	100	86	72	61	21	
119	36	41	100	86	72	60	21	
120	37	0	100	86	72	60	21	
121	37	19	100	86	72	61	24	
122	37	37	100	85	72	61	24	
123	37	56	100	86	72	63	22	
124	38	14	102	82	90	48	20	
125	38	33	103	69	91	42	17	
126	38	51	102	77	91	48	18	
127	39	10	101	76	91	49	18	
128	39	29	101	75	87	51	20	
129	39	47	99	72	85	50	18	
130	40	6	100	71	84	50	18	
131	40	24	99	71	84	48	17	
132	40	43	99	71	84	49	21	
133	41	2	99	71	85	50	19	
134	41	20	101	71	85	51	18	
135	41	39	100	71	85	49	21	
136	41	57	100	71	84	50	18	
137	42	16	100	71	84	51	20	
138	42	34	100	71	85	50	18	
139	42	53	100	71	85	51	20	
140	43	12	99	71	85	51	22	
141	43	30	99	71	85	50	20	
142	43	49	100	71	85	50	18	
143	44	7	100	71	85	49	18	
144	44	26	98	71	84	51	18	
145	44	44	100	71	84	49		

1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
86	71	60	22	28	68	26	64	133
86	71	61	21	24	68	27	64	133
86	71	59	20	25	67	26	63	134
86	71	61	22	21	68	26	65	133
86	71	59	20	23	62	25	65	133
86	71	62	22	26	66	25	66	134
86	71	61	23	24	62	23	65	133
86	72	60	23	23	65	27	64	132
86	72	60	25	24	62	23	66	133
86	72	61	23	22	60	25	64	134
86	72	60	24	28	68	26	64	133
86	72	61	23	23	68	26	63	133
85	72	60	23	22	66	25	65	132
86	72	61	22	23	58	24	65	134
86	72	61	21	23	65	25	65	133
86	72	61	22	23	49	26	65	134
86	72	61	23	21	68	26	65	134
86	72	60	21	27	66	24	65	134
86	72	60	22	24	62	25	64	133
86	72	61	22	25	62	27	64	132
86	72	61	21	23	70	28	66	133
86	72	63	22	23	62	29	65	134
86	72	61	21	26	68	25	65	134
86	72	60	21	26	72	24	65	132
86	72	60	21	22	61	24	65	134
86	72	61	24	24	66	20	65	134
85	72	61	24	26	69	27	64	133
86	72	63	22	23	56	27	66	133
82	90	46	20	21	62	27	66	48
69	91	42	17	18	53	24	65	42
77	91	48	16	16	64	26	66	55
78	91	49	18	21	68	25	67	66
75	87	51	20	20	66	26	65	74
72	85	50	18	21	67	26	64	71
71	84	50	16	22	64	24	65	66
71	84	48	17	21	70	26	64	63
71	84	49	21	22	74	26	64	65
71	85	50	19	24	63	26	65	66
71	85	51	18	22	58	26	64	65
71	85	49	21	21	72	24	64	64
71	84	50	18	21	64	26	66	65
71	84	51	20	21	71	27	65	64
71	85	50	18	19	71	29	66	64
71	85	51	20	20	71	27	65	66
71	85	51	22	22	68	23	65	65
71	85	50	20	24	62	26	65	66
71	85	50	18	20	68	27	65	64
71	85	49	18	22	59	28	65	65
71	84	51	18	20	62	27	66	64
71	84	49		20	68	25	65	66

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
146	45	3	99	71	85	51	23
147	45	22	100	71	85	50	18
148	45	40	99	71	85	50	21
149	45	59	100	71	85	50	19
150	46	17	100	71	85	52	25
151	46	36	100	71	85	51	21
152	46	54	100	71	85	51	20
153	47	13	100	71	84	49	20
154	47	32	103	68	95	44	17
155	47	50	103	68	95	44	19
156	48	9	100	68	95	47	18
157	48	27	100	64	96	43	17
158	48	46	100	64	95	45	20
159	49	5	*	64	95	46	21
160	49	23	100	61	95	45	19
161	49	42	99	61	95	44	18
162	50	0	100	61	95	46	18
163	50	19	102	61	95	44	20
164	50	37	100	61	95	45	18
165	50	56	100	61	95	46	19
166	51	15	100	61	95	46	20
167	51	33	100	61	95	44	17
168	51	52	101	61	95	45	19
169	52	10	102	61	95	46	17
170	52	29	99	61	95	45	20
171	52	47	100	61	95	47	20
172	53	6	100	61	95	46	19
173	53	25	100	61	95	45	20
174	53	43	100	61	95	48	19
175	54	2	100	61	95	46	17
176	54	20	103	91	85	49	18
177	54	39	99	98	63	65	25
178	54	57	100	98	54	66	24
179	55	16	98	98	54	67	26
180	55	35	99	98	54	66	24
181	55	53	100	98	54	65	24
182	56	12	98	98	54	65	23
183	56	30	102	98	54	65	23
184	56	49	100	98	54	66	22
185	57	7	100	98	54	64	25
186	57	26	100	98	54	63	23
187	57	45	99	98	54	63	24
188	58	3	100	98	54	63	23
189	58	22	100	98	54	64	23
190	58	40	100	98	54	63	26
191	58	59	100	98	54	64	24
192	59	17	100	98	54	63	28
193	59	36	100	98	54	63	23
194	59	55	100	98	54	63	24

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1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
71	85	51	23	20	66	24	65	66
71	85	50	18	22	71	27	64	65
71	85	50	21	22	64	27	66	64
71	85	50	19	22	64	27	65	65
71	85	52	25	22	71	26	63	65
71	85	51	21	22	71	26	64	66
71	85	51	20	20	68	27	64	65
71	84	49	20	21	68	24	66	65
68	95	44	17	18	60	27	66	41
68	95	44	19	17	71	29	65	40
68	95	47	18	20	58	26	65	51
64	96	43	17	20	64	27	66	42
64	95	45	20	20	69	27	63	43
64	95	46	21	18	67	27	66	43
61	95	45	19	18	65	28	64	42
61	95	44	18	17	75	24	65	42
61	95	46	18	18	70	27	67	42
61	95	44	20	20	73	26	66	42
61	95	45	18	20	61	25	67	43
61	95	46	19	18	63	24	66	42
61	95	46	20	20	66	27	66	42
61	95	44	17	22	71	25	65	42
61	95	45	19	18	77	29	66	43
61	95	46	17	20	67	26	67	43
61	95	45	20	20	68	24	65	44
61	95	47	20	18	66	24	66	42
61	95	46	19	19	71	29	66	43
61	95	45	20	18	61	27	66	43
61	95	48	19	20	61	24	65	42
61	95	46	17	20	64	24	65	41
91	85	49	18	20	72	25	67	71
98	53	65	25	26	66	23	66	145
98	54	66	24	25	71	24	66	146
98	54	67	26	28	69	26	66	146
98	54	66	24	24	69	25	66	146
98	54	65	24	26	69	25	66	145
98	54	65	23	27	63	26	66	147
98	54	65	23	25	66	26	66	145
98	54	66	22	21	63	27	66	146
98	54	64	25	22	71	26	67	146
98	54	63	23	23	71	25	65	149
98	54	63	24	26	68	26	66	146
98	54	63	23	26	71	23	66	146
98	54	64	23	26	63	24	67	146
98	54	63	26	23	66	27	67	147
98	54	64	24	22	72	26	66	147
98	54	63	28	23	57	26	66	147
98	54	63	23	27	70	25	69	145
98	54	63	24	26	64	26	65	147
98	54	63	23	28	59	26	66	145

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG
196	60	32	100	98	54	64	22
197	60	50	101	98	54	64	24
198	61	9	100	98	54	64	25
199	61	27	100	98	54	63	23
200	61	46	100	98	54	64	24
201	62	5	100	98	54	62	24
202	62	23	100	98	54	63	25
203	62	42	103	98	78	53	20
204	63	0	100	84	83	48	20
205	63	19	102	86	84	50	18
206	63	37	100	87	86	62	24
207	63	56	101	86	85	60	22
208	64	15	102	86	84	61	23
209	64	33	102	84	83	46	19
210	64	52	102	83	84	51	19
211	65	10	102	81	81	50	22
212	65	29	100	81	80	50	19
213	65	47	100	81	81	50	19
214	66	6	100	81	81	50	19
215	66	25	*	81	81	51	20
216	66	43	100	81	23	48	19
217	67	2	64	22	21	27	14
218	67	20	46	*	*	0	2
219	67	39	32	*	*	*	1
220	67	57	26	*	*	*	1
221	68	16	20	*	*	0	1
222	68	35	16	*	*	0	1
223	68	53	12	*	*	0	0
224	69	12	9	*	*	1	0
225	69	30	8	*	*	1	0
226	69	49	6	*	*	3	0
227	70	7	5	*	*	3	0
228	70	26	4	*	*	6	4
229	70	44	5	*	*	5	5
230	71	3	4	*	*	0	1
231	71	22	5	*	*	*	1
232	71	40	4	*	*	*	1
233	71	59	3	*	*	0	1
234	72	17	1	*	*	0	0
235	*	*	*	*	*	*	*

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1-17 R.H. THROTT POS CNT VEL	1-18 R.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG
98	54	64	22	23	74	26	66	147
98	54	64	24	21	60	24	66	146
98	54	64	25	24	68	27	66	146
98	54	63	23	22	63	26	67	146
98	54	64	24	22	71	25	66	146
98	54	62	24	28	64	26	66	146
98	54	63	25	28	55	27	66	147
98	78	53	20	22	63	27	66	85
84	83	48	20	22	63	26	66	63
86	84	50	18	20	67	24	66	66
87	86	62	24	23	69	26	66	141
86	85	60	22	25	63	27	67	128
86	84	61	23	23	58	26	66	133
84	83	46	19	21	71	29	65	62
83	84	51	19	22	60	26	67	63
81	81	50	22	22	64	24	64	66
81	80	50	19	22	68	27	66	65
81	81	50	19	21	74	25	66	66
81	81	50	19	23	66	27	66	67
81	81	51	20	22	66	25	66	66
81	23	48	19	21	67	26	66	78
22	21	27	14	15	48	26	51	17
*	*	0	2	3	9	26	30	0
*	*	*	1	3	2	26	16	0
*	*	*	1	4	1	27	9	0
*	*	0	1	5	1	26	6	0
*	*	0	1	6	2	24	3	0
*	*	0	0	6	2	26	3	0
*	*	1	0	7	3	24	1	0
*	*	1	0	8	2	26	3	0
*	*	3	0	9	3	27	1	0
*	*	3	0	10	3	24	1	0
*	*	6	4	11	3	25	0	2
*	*	5	5	11	3	24	2	1
*	*	0	1	12	3	24	2	0
*	*	*	1	14	3	27	1	0
*	*	*	1	16	3	26	0	0
*	*	0	1	19	3	0	1	0
*	*	0	0	21	3	*	0	0
*	*	*	*	*	*	*	*	0

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
1	0	5	1
2	0	24	1
3	0	42	0
4	1	1	0
5	1	20	0
6	1	38	0
7	1	57	0
8	2	15	0
9	2	34	0
10	2	53	1
11	3	11	0
12	3	30	1
13	3	49	0
14	4	7	0
15	4	26	0
16	4	45	0
17	5	3	0
18	5	22	1
19	5	40	0
20	5	59	0
21	6	18	0
22	6	36	0
23	6	55	0
24	7	14	0
25	7	32	0
26	7	51	0
27	8	10	0
28	8	28	0
29	8	47	1
30	9	5	0
31	9	24	0
32	9	43	0
33	10	1	0
34	10	20	0
35	10	39	0
36	10	57	0
37	*	*	0
38	11	34	0
39	11	53	0
40	12	12	0
41	12	30	0
42	12	49	0
43	13	7	9
44	13	26	12

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-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG. 1 FUEL PUMP INLET PRESS PSIG
46	14	3	13
47	14	22	13
48	14	41	14
49	14	59	13
50	15	18	12
51	15	37	16
52	15	55	24
53	16	14	22
54	16	33	24
55	16	51	23
56	17	10	23
57	17	28	22
58	17	47	23
59	18	6	18
60	18	24	24
61	18	43	25
62	19	1	22
63	19	20	24
64	19	39	23
65	19	57	22
66	20	16	23
67	20	35	22
68	20	53	22
69	21	12	23
70	21	30	24
71	21	49	24
72	22	8	24
73	22	26	24
74	22	45	23
75	23	3	23
76	23	22	23
77	23	41	24
78	23	59	23
79	24	18	22
80	24	36	23
81	24	55	23
82	25	14	24
83	25	32	24
84	25	51	22
85	26	9	22
86	26	28	23
87	26	47	22
88	27	5	24
89	27	24	23
90	27	42	21
91	28	1	22
92	28	20	22
93	28	38	23
94	28	57	22
95	29	15	25

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-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
96	29	34	24
97	29	53	24
98	30	11	24
99	30	30	24
100	30	48	24
101	31	7	26
102	31	26	25
103	31	44	22
104	32	3	24
105	32	21	23
106	32	40	24
107	32	58	22
108	33	17	24
109	33	36	24
110	33	54	24
111	34	13	23
112	34	31	24
113	34	50	22
114	35	9	23
115	35	27	24
116	35	46	25
117	36	4	24
118	36	23	24
119	36	41	25
120	37	0	23
121	37	19	24
122	37	37	23
123	37	56	23
124	38	14	18
125	38	33	20
126	38	51	22
127	39	10	24
128	39	29	22
129	39	47	21
130	40	6	18
131	40	24	22
132	40	43	24
133	41	2	20
134	41	20	23
135	41	39	21
136	41	57	20
137	42	16	21
138	42	34	22
139	42	53	21
140	43	12	18
141	43	30	21
142	43	49	21
143	44	7	21
144	44	26	24
145	44	44	24

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-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
146	45	3	22
147	45	22	21
148	45	40	18
149	45	59	22
150	46	17	21
151	46	36	20
152	46	54	21
153	47	13	22
154	47	32	17
155	47	50	19
156	48	9	20
157	48	27	18
158	48	46	17
159	49	5	17
160	49	23	19
161	49	42	19
162	50	0	17
163	50	19	20
164	50	37	18
165	50	56	18
166	51	15	19
167	51	33	19
168	51	52	20
169	52	10	20
170	52	29	17
171	52	47	20
172	53	6	19
173	53	25	20
174	53	43	19
175	54	2	19
176	54	20	20
177	54	39	24
178	54	57	23
179	55	16	23
180	55	35	22
181	55	53	23
182	56	12	24
183	56	30	24
184	56	49	22
185	57	7	23
186	57	26	23
187	57	45	23
188	58	3	24
189	58	22	22
190	58	40	24
191	58	59	24
192	59	17	23
193	59	36	22
194	59	55	24
195	60	13	23

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-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
196	60	32	23
197	60	50	23
198	61	9	23
199	61	27	23
200	61	46	24
201	62	5	24
202	62	23	23
203	62	42	24
204	63	0	21
205	63	19	18
206	63	37	22
207	63	56	22
208	64	15	23
209	64	33	21
210	64	52	21
211	65	10	20
212	65	29	21
213	65	47	22
214	66	6	22
215	66	25	24
216	66	43	21
217	67	2	14
218	67	20	2
219	67	39	3
220	67	57	4
221	68	16	5
222	68	35	6
223	68	53	6
224	69	12	7
225	69	30	8
226	69	49	8
227	70	7	9
228	70	26	11
229	70	44	11
230	71	3	12
231	71	22	14
232	71	40	17
233	71	59	19
234	72	17	22
235	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
1	0	7	0	40	15	0	40
2	*	*	1	35	30	0	35
3	0	45	0	30	30	0	35
4	1	3	1	35	40	0	35
5	1	22	0	30	30	0	45
6	1	40	0	30	25	0	40
7	1	59	0	40	25	0	40
8	2	18	1	40	35	0	30
9	2	36	0	30	30	0	15
10	2	55	1	50	35	0	40
11	3	14	0	40	35	0	40
12	3	32	0	15	30	0	25
13	3	51	1	15	15	0	35
14	4	10	0	25	20	0	40
15	4	28	0	40	35	0	35
16	4	47	1	35	50	0	25
17	5	6	0	20	40	0	35
18	5	24	0	50	35	27	3100
19	5	43	0	35	50	25	2705
20	6	1	0	50	25	21	2870
21	6	20	*	40	20	27	3025
22	6	39	0	25	40	33	3050
23	6	57	0	35	35	22	3100
24	7	16	0	15	15	32	3025
25	7	35	0	15	20	24	2920
26	7	53	*	15	35	32	3025
27	8	12	*	25	30	22	3080
28	8	30	*	15	25	33	3025
29	8	49	*	35	15	40	3055
30	9	8	*	35	15	29	3250
31	9	26	*	35	40	22	2600
32	9	45	*	15	40	40	3005
33	10	4	*	15	30	26	3020
34	10	22	*	35	40	24	2975
35	10	41	*	15	40	33	3100
36	10	59	0	30	40	40	3055
37	11	18	*	20	35	24	2885
38	11	37	0	35	35	29	2945
39	11	55	*	30	35	26	2955
40	12	14	*	35	40	38	3100
41	12	33	*	15	25	32	2995
42	12	51	0	35	25	40	2970
43	13	10	0	35	35	34	3025
44	30	8	*	20	35	40	2[illegible]

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

2-06 STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
40	15	0	40	29	6	10	16	0
35	30	0	35	19	8	4	12	0
30	30	0	35	14	10	6	10	0
35	40	0	35	49	12	12	10	1
30	30	0	45	29	20	18	10	1
30	25	0	40	34	4	12	10	1
40	25	0	40	29	4	6	10	1
40	35	0	30	14	8	16	10	1
30	30	0	15	34	6	4	12	0
50	35	0	40	29	6	6	12	1
40	35	0	40	39	6	12	6	0
15	30	0	25	14	6	6	10	0
15	15	0	35	19	12	6	6	0
25	20	0	40	19	4	8	6	0
40	35	0	35	39	8	2	6	0
35	50	0	25	39	8	4	16	1
20	40	0	35	14	6	6	16	0
50	35	27	3100	3006	34	32	46	30
35	50	25	2705	2778	36	38	44	32
50	25	21	2670	2882	36	40	46	27
40	20	27	3025	2972	1043	1047	52	28
25	40	33	3050	2882	1047	1049	42	30
35	35	22	3100	2981	1043	1047	48	30
15	15	32	3025	2937	1041	1041	40	30
15	20	24	2920	2783	1043	1051	42	32
15	35	32	3025	2981	1045	1047	48	30
25	30	22	2880	2981	1039	1041	48	30
15	25	33	3020	2981	1041	1047	46	30
35	15	40	3055	2967	1041	1037	40	29
35	15	29	3250	3086	1037	1047	46	32
35	40	22	2880	2947	1037	1037	44	32
15	40	40	3005	2952	1031	1029	48	29
15	30	26	3020	2932	1033	1033	48	31
35	40	24	2975	2981	1027	1027	46	30
15	40	33	3100	2952	1029	1035	46	30
30	40	40	3055	2942	1033	1033	48	28
20	35	24	2885	2962	1035	1027	48	32
35	35	25	2945	2808	1023	1035	46	30
30	35	26	2955	2947	1029	1037	48	30
35	40	38	3100	2957	1035	1021	40	32
15	25	32	2995	2947	1025	1033	44	30
35	25	40	2970	2942	1029	1029	46	31
35	35	34	3025	2947	1023	1027	48	28
20	35	40	2[illegible]	2942	1021	1029	48	32
30	40	40	2[illegible]	2932	1021	1031	46	32

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
46	14	6	0	35	35	33	3020
47	14	24	27	2829	2801	33	2870
48	14	43	40	2869	2901	40	3050
49	15	2	25	2945	55	32	3000
50	15	20	45	2930	2886	32	3050
51	15	39	42	2960	2936	23	3020
52	15	58	22	2995	3032	38	2885
53	16	16	35	2990	3017	24	2960
54	16	35	26	3081	3012	24	2960
55	16	53	25	3026	3017	26	2970
56	17	12	29	3031	2991	40	2960
57	17	31	31	3081	3032	24	2960
58	17	49	22	3041	3052	22	2990
59	18	8	30	3041	3012	20	3020
60	18	27	27	3061	3032	22	2955
61	18	45	13	2935	2976	40	3020
62	19	4	33	2935	3001	26	3010
63	19	22	40	3061	2981	36	2880
64	19	41	35	3066	2976	29	3005
65	20	0	40	2935	3012	40	2955
66	20	18	31	2950	2971	22	3020
67	20	37	31	2885	2956	21	2870
68	20	55	34	2980	2976	32	3020
69	21	14	37	3061	2971	33	3000
70	21	33	21	2885	2956	33	3100
71	21	51	24	2980	2981	24	2975
72	22	10	29	2980	2991	20	2880
73	22	28	40	2885	3001	32	3000
74	22	47	37	3026	2971	36	3000
75	23	6	37	3066	2971	32	3000
76	23	24	41	2885	2971	40	2965
77	23	43	37	3066	2991	44	2990
78	24	2	30	3066	2971	20	2955
79	24	20	36	3020	2981	24	2955
80	24	39	27	2980	2941	26	3020
81	24	57	29	3041	3012	33	2945
82	25	16	44	3000	2976	33	2880
83	25	34	41	3041	3012	26	3020
84	25	53	25	3026	2971	36	3020
85	26	12	34	2980	3012	34	3020
86	26	30	40	2885	3012	32	3000
87	26	49	33	2980	2971	32	3000
88	27	8	30	2980	2936	25	3020
89	27	26	41	2990	3012	26	3020
90	27	45	31	2915	2976	26	2940
91	28	3	33	2980	2971	23	2990
92	28	22	37	3020	2971	32	2930
93	28	41	29	2980	2956	33	2870
94	28	59	32	2885	3017	32	2990
95	29	18	37	3066	3006	32	2920

2-06 STAGE HYD. PUMP TLET RESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
35	35	33	3020	3021	1021	1031	42	30
29	2801	33	2870	2952	1015	1027	42	30
69	2901	40	3050	2932	1023	1027	48	30
45	95	32	3000	2932	1033	1017	46	32
30	2886	32	3050	2972	24	26	46	31
60	2936	23	3020	2932	1023	1031	48	30
95	3032	38	2885	2917	1017	1027	46	32
90	3017	24	2960	2932	1021	1021	46	33
61	3012	24	2960	2917	1021	1029	44	32
26	3017	26	2970	2947	1003	1027	60	24
31	2991	40	2960	2932	1021	1021	44	32
81	3032	24	2960	2922	1021	1021	42	29
41	3052	22	2990	2937	1021	1027	42	31
41	3012	20	3020	2932	1015	1019	40	26
61	3032	22	2955	2932	1023	1027	44	30
35	2976	40	3020	2932	1019	1021	42	31
35	3001	26	3010	2937	1021	1027	42	29
61	2981	36	2880	2972	1021	1019	42	28
66	2976	29	3005	2897	1041	1017	44	31
35	3012	40	2955	2932	1017	1027	42	28
50	2971	22	3020	2972	1015	1013	42	27
85	2956	21	2870	2932	1019	1021	44	32
80	2976	32	3020	2922	1017	1021	40	30
61	2971	33	3000	2932	1021	1013	40	31
85	2956	33	3100	2917	1009	1021	40	30
80	2981	24	2975	2932	1015	1011	48	28
80	2991	20	2880	2937	1011	1021	44	30
35	3001	32	3000	2937	1017	1021	40	30
26	2971	36	3000	2932	1019	1013	40	30
66	2971	32	3000	2897	1025	1013	40	30
85	2971	40	2965	2897	1017	1021	38	30
86	2991	44	2990	2922	1015	1017	44	28
85	2971	20	2955	2942	1015	1023	48	28
20	2981	24	2955	2932	1015	1021	40	30
80	2941	26	3020	2917	1017	1017	42	28
41	3012	33	2945	2932	1011	1019	42	28
80	2976	33	2880	2932	1017	1021	40	29
41	3012	26	3020	2932	1009	1021	46	30
26	2971	36	3020	2932	1003	1015	44	29
80	3012	34	3020	2917	1015	1013	40	30
85	3012	32	3000	2917	1009	1013	44	29
60	2971	32	3080	2917	1011	1015	38	29
80	2936	26	3020	2927	1003	1023	44	32
80	3012	26	3020	2922	1013	1019	46	29
15	2976	26	2940	2922	1007	1023	44	27
80	2971	23	2990	2942	1009	1015	40	31
20	2971	32	2930	2947	1011	1023	44	27
80	2956	33	2870	2932	1015	1009	40	30
85	3017	32	2990	2937	1017	1015	38	31
86	3005	32	2920	2957	1017	1013	40	27

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
96	29	36	35	3066	2966	32	2990
97	29	55	34	2980	2991	40	2920
98	30	13	33	3066	2976	27	2955
99	30	32	34	2980	2981	27	2965
100	30	51	26	2965	2971	27	2955
101	31	9	26	2980	2981	24	2880
102	31	28	29	2975	2971	33	3020
103	31	46	34	2900	2971	32	3020
104	32	5	30	2885	2976	24	3000
105	32	24	23	2965	2976	32	2980
106	32	42	30	2965	2976	25	2955
107	33	1	29	3066	2976	34	2995
108	33	19	34	2980	2971	33	2950
109	33	38	38	3041	2931	33	2990
110	33	57	34	2885	2936	33	2905
111	34	15	28	2865	3017	32	2940
112	34	34	39	2930	2976	33	2990
113	34	52	32	2885	2936	22	3000
114	35	11	33	3066	2956	22	3020
115	35	29	22	2980	2981	22	3020
116	35	48	21	3026	2976	40	2920
117	36	7	29	3026	2976	40	2920
118	36	25	34	2885	2926	32	2960
119	36	44	32	2865	2976	32	2990
120	37	2	32	2980	2971	40	2900
121	37	21	20	2980	3012	41	2885
122	37	39	26	2965	2971	27	2945
123	37	58	29	2980	3012	25	2995
124	38	17	25	2885	3012	22	2990
125	38	35	36	2990	2926	31	2990
126	38	54	30	2935	3012	33	2940
127	39	12	22	2980	2976	24	3000
128	39	31	32	2965	2971	40	2920
129	39	50	26	2980	2976	27	2960
130	40	8	40	2980	2971	22	2990
131	40	27	39	3015	2976	40	2920
132	40	45	28	2980	2971	40	2960
133	41	4	30	2895	3012	40	3020
134	41	22	32	2980	2971	32	2965
135	41	41	29	2935	2971	40	2920
136	42	0	30	2950	3012	40	2920
137	42	18	25	2980	2971	32	2920
138	42	37	32	3066	3012	21	3000
139	42	55	29	3066	2956	32	2955
140	43	14	30	3026	2971	26	2965
141	43	32	32	2970	3001	27	2970
142	43	51	32	3015	2976	40	2920
143	44	10	33	3026	3001	25	2880
144	44	28	32	2940	3032	27	2970
145	44	47	21	2970	3012	33	2

2-06 AGE HYD. PUMP LET ESS SIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
66	2966	32	2990	2917	1007	1013	34	32
60	2991	40	2920	2942	1015	1013	42	31
66	2976	27	2955	2927	1013	1017	38	26
80	2981	27	2965	2932	1015	1011	48	28
65	2971	27	2955	2932	1015	1017	40	29
80	2981	24	2880	2927	1007	1023	38	29
75	2971	33	3020	2932	1019	1021	38	30
80	2971	32	3020	2932	1021	1017	44	29
65	2976	24	3000	2932	1015	1015	40	30
65	2976	32	2980	2912	1007	1009	44	29
65	2976	25	2955	2907	1007	1023	38	33
66	2976	34	2995	2947	1007	1015	40	30
80	2971	33	2950	2932	1015	1015	40	29
41	2931	33	2990	2932	1009	1019	40	27
85	2936	33	2905	2917	1007	1015	40	28
85	3017	32	2940	2932	1015	1015	46	32
30	2976	33	2990	2917	1009	1017	34	27
85	2936	22	3000	2932	1015	1009	44	30
66	2956	22	3020	2907	1009	1019	38	29
80	2981	22	3020	2961	1005	1019	38	30
26	2976	40	2920	2917	1007	1021	38	32
26	2976	40	2920	2937	1003	1015	34	31
85	2926	32	2960	2932	1003	1015	40	30
85	2976	32	2990	2912	1013	1015	38	29
60	2971	40	2900	2917	1011	1019	32	30
80	3012	41	2885	2902	1011	1021	26	29
85	2971	27	2945	2932	1011	1009	44	30
80	3012	25	2995	2917	1009	1021	40	31
85	3012	22	2990	2927	1007	1023	34	30
90	2926	31	2990	2917	1013	1015	44	32
35	3012	33	2940	2942	1007	1017	34	29
80	2976	24	3000	2932	1015	1015	42	31
85	2971	40	3020	2932	1015	1007	44	31
80	2976	27	2960	2917	1011	1015	42	27
80	2971	22	2990	2937	1007	1019	36	27
15	2976	40	2920	2917	1003	1015	36	30
80	2971	40	2960	2942	1009	1011	34	30
85	3012	40	3020	2932	1007	1017	36	30
80	2971	32	2955	2902	1011	1021	28	30
35	2971	40	3020	2922	1017	1021	36	29
80	3012	40	2920	2932	1005	1021	40	27
80	2971	32	2920	2917	1015	1009	36	27
66	3012	21	3000	2937	1009	1015	40	27
56	2956	32	2955	2942	1017	1013	36	28
28	2971	26	2965	2942	1007	1013	42	32
70	3001	27	2970	2937	1007	1013	40	26
15	2976	40	2920	2947	1017	1013	40	30
20	3001	25	2880	2922	1007	1015	40	28
40	3032	27	2970	2942	1009	1011	42	28
70	3012	33	2	2942	1009	1015	30	28

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
146	45	5	32	3020	2941	22	3020
147	45	24	33	2965	3006	34	2970
148	45	42	31	2980	3012	32	2965
149	46	1	37	2885	3017	40	3000
150	46	20	30	3061	3017	26	2955
151	46	38	33	3026	3001	32	2955
152	46	57	40	2980	2981	40	2920
153	47	15	27	2885	2956	26	2945
154	47	34	40	2864	2971	24	3010
155	47	52	40	2925	2966	25	3005
156	48	11	25	3061	2971	21	2955
157	48	30	25	2980	3012	23	2955
158	48	48	36	3020	2991	40	2950
159	49	7	34	2975	2981	32	3020
160	49	25	28	2980	2981	32	3000
161	49	44	30	2980	3012	22	2885
162	50	3	25	2950	2926	36	3020
163	50	21	32	3026	2971	25	2990
164	50	40	27	2980	2976	20	2945
165	50	58	33	2940	3012	27	2920
166	51	17	27	2980	2976	25	2960
167	51	35	22	2885	2971	31	2955
168	51	54	32	2885	2971	33	2955
169	52	13	32	2980	3012	20	2955
170	52	31	30	3026	2971	28	2920
171	52	50	30	2950	2931	26	2945
172	53	8	25	2980	2971	40	2865
173	53	27	33	3020	3012	44	2995
174	53	45	30	2895	2926	25	2955
175	54	4	40	3026	2976	20	3000
176	54	23	27	2990	2936	40	2945
177	54	41	31	2965	2941	41	2920
178	55	0	30	2980	2971	40	3000
179	55	18	25	2965	3017	21	2945
180	55	37	40	2980	3012	40	2920
181	55	55	29	2885	3012	26	2980
182	56	14	21	2965	3012	21	2955
183	56	33	31	2950	2991	40	3020
184	56	51	27	2885	3012	40	3020
185	57	10	32	3061	2926	27	2980
186	57	28	28	3020	3012	34	2860
187	57	47	29	2980	3012	24	2875
188	58	5	33	2980	2971	26	2995
189	58	24	29	2980	2971	29	2920
190	58	43	28	3026	2971	32	2970
191	59	1	32	2885	3012	34	2945
192	59	20	25	2885	3012	32	3020
193	59	38	21	2885	3017	22	3050
194	59	57	35	3061	2971	22	2975
195	60	15	40	3041	3012	28	3000

1602

-06 AGE HYD. UMP LET ESS SIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
20	2941	22	3020	2932	1005	1015	40	28
65	3006	34	2970	2912	1007	1019	34	30
60	3012	32	2965	2917	1017	1011	32	30
85	3017	40	3000	2942	1003	1017	34	29
61	3017	26	2955	2917	1017	1017	40	29
26	3001	32	2955	2897	1013	1009	44	32
60	2981	40	2920	2922	1015	1019	40	32
85	2956	26	2945	2887	1009	1013	40	30
64	2971	24	3010	2932	1013	1009	40	27
25	2966	25	3005	2937	1021	1017	34	31
61	2971	21	2955	2952	1015	1017	44	29
80	3012	23	2955	2932	1011	1013	40	30
20	2991	40	2950	2932	1007	1013	42	30
75	2981	32	3020	2927	1007	1021	40	30
80	2981	32	3000	2937	1011	1013	40	30
80	3012	22	2885	2912	1013	1013	40	30
50	2926	36	3020	2917	1013	1013	32	29
26	2971	25	2990	2917	1011	1009	36	27
80	2976	20	2945	2922	1011	1015	42	30
90	3012	27	2920	2952	1009	1019	42	27
80	2976	25	2960	2937	1009	1009	28	30
85	2971	31	2955	2897	1003	1011	40	30
55	2971	33	2955	2897	1009	1013	34	26
80	3012	20	2955	2917	1007	1015	34	30
26	2971	28	2920	2942	1011	1019	42	30
90	2931	26	2945	2937	1013	1019	40	31
10	2971	40	2865	2932	1003	1007	36	32
0	3012	44	2995	2932	1015	1009	26	27
5	2926	25	2955	2917	1005	1009	36	26
26	2976	20	3000	2897	1000	1009	36	29
0	2936	40	2945	2932	1009	1009	34	29
5	2941	41	2920	2917	1005	1013	28	29
0	2971	40	3000	2897	1007	1009	32	32
5	3017	21	2945	2952	1015	1009	34	32
50	3012	40	2920	2922	1005	1019	40	29
5	3012	26	2980	2927	1009	1019	34	31
5	3012	21	2955	2887	1005	1029	34	26
50	2991	40	3020	2897	1007	1019	34	30
	3012	40	3020	2897	1009	1017	40	27
	2926	27	2980	2927	1009	1013	38	30
0	3012	34	2860	2917	1011	1013	32	32
0	3012	24	2875	2942	1015	1015	36	31
0	2971	26	2995	2912	1007	1013	42	30
0	2971	29	2920	2932	1007	1013	40	27
	2971	32	2970	2937	1003	1013	32	26
5	3012	34	2945	2937	1007	1021	34	30
5	3012	32	3020	2917	1003	1017	26	30
5	3017	22	3050	2937	1000	1017	36	31
1	2971	22	2975	2917	1003	1013	40	26
4	3012	20	3000	2917	1013	1009	38	29

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
196	60	34	30	3066	2971	44	3020
197	60	53	32	3041	3012	20	2955
198	61	11	29	2980	2971	23	2960
199	61	30	30	2885	2971	33	2965
200	61	48	33	2960	2991	23	2955
201	62	7	27	2880	3012	32	3000
202	62	25	33	2980	2941	24	2955
203	62	44	40	3061	2946	20	2905
204	63	3	26	2885	2976	33	3020
205	63	21	33	2885	3012	23	2995
206	63	40	40	2885	2966	33	2875
207	63	58	21	3061	3012	20	3000
208	64	17	23	2980	2976	24	3110
209	64	35	21	2990	2981	27	3100
210	64	54	27	2885	2971	32	2955
211	65	13	33	2980	2931	26	2965
212	65	31	34	3066	2971	32	2995
213	65	50	29	2970	2971	33	3010
214	66	8	31	2980	3012	27	2995
215	66	27	22	2885	2976	24	2965
216	66	45	34	3061	2971	22	3020
217	67	4	27	2930	2951	21	2995
218	67	23	34	2869	2881	32	2965
219	67	41	16	2829	2846	27	2965
220	68	0	5	2789	2796	32	2995
221	68	18	31	2723	2745	22	3020
222	68	37	22	2643	2670	32	2995
223	68	55	18	1867	1892	27	2990
224	69	14	40	1344	1370	40	2965
225	69	33	4	981	1014	21	3020
226	69	51	16	720	753	23	3020
227	70	10	8	584	602	33	2965
228	70	28	0	483	537	36	3005
229	70	47	4	619	657	26	2990
230	71	5	7	604	602	44	2965
231	71	24	12	654	687	20	2920
232	71	42	7	553	582	29	2885
233	72	1	4	367	401	3	385
234	72	20	0	151	160	0	100
235	*	*	*	*	*	*	*

603

2-06 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
066	2971	44	3020	2942	1009	1027	30	27
041	3012	20	2955	2917	1009	1011	36	26
080	2971	23	2960	2927	1009	1013	34	30
085	2971	33	2965	2932	1011	1007	48	28
060	2991	23	2955	2917	1007	1015	32	28
080	3012	32	3000	2932	1005	1015	34	29
080	2941	24	2955	2932	1011	1011	40	30
061	2946	20	2905	2912	1009	1021	32	29
085	2976	33	3020	2917	1007	1011	48	30
085	3012	23	2995	2917	1009	1027	34	33
085	2966	33	2975	2912	1015	1017	40	30
061	3012	20	3000	2907	1015	1015	38	30
080	2976	24	3110	2927	1015	1021	30	30
090	2981	27	3100	2937	1011	1019	36	32
085	2971	32	2955	2932	1007	1015	34	30
080	2931	26	2965	2947	22	22	40	30
066	2971	32	2995	2937	22	14	40	30
070	2971	33	3010	2932	26	20	42	32
080	3012	27	2995	2957	22	20	38	30
085	2976	24	2965	2952	20	22	42	29
061	2971	22	3020	2937	26	22	44	28
030	2951	21	2995	2952	20	22	40	27
069	2881	32	2965	2967	26	20	38	27
029	2846	27	2965	2962	18	24	32	28
089	2796	32	2995	2937	20	26	30	30
723	2745	22	3020	2922	24	18	40	29
143	2670	32	2995	2937	26	26	32	27
167	1892	27	2990	2922	28	22	40	30
144	1370	40	2965	2917	28	22	36	26
081	1014	21	3020	2922	28	26	36	32
720	753	23	3020	2942	24	28	30	34
184	602	33	2945	2922	24	26	40	30
183	537	36	3005	2917	22	26	48	23
219	657	26	2990	2937	26	28	42	31
204	602	44	2965	2912	32	24	44	30
154	687	20	2920	2942	20	32	38	32
193	582	29	2885	2917	26	22	30	32
167	401	3	385	377	2	0	12	2
151	160	0	100	89	2	0	8	1
*	*	*	*	*	*	*	*	*

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-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
1	0	7	30	*
2	*	*	10	*
3	0	45	20	0
4	1	3	20	*
5	1	22	35	*
6	1	40	30	*
7	1	59	30	*
8	2	18	15	*
9	2	36	25	*
10	2	55	25	0
11	3	14	30	*
12	3	32	15	*
13	3	51	30	*
14	4	10	15	6
15	4	28	30	0
16	4	47	30	2
17	5	6	15	0
18	5	24	2949	1430
19	5	43	3030	1414
20	6	1	2944	1436
21	6	20	3141	1430
22	6	39	2929	1430
23	6	57	3030	1436
24	7	16	2898	1354
25	7	35	3014	1400
26	7	53	2929	1388
27	8	12	2954	1386
28	8	30	3030	1388
29	8	49	2934	1354
30	9	8	3070	1390
31	9	26	3070	1386
32	9	45	2954	1390
33	10	4	3030	1386
34	10	22	3080	1386
35	10	41	2979	1390
36	10	59	3045	1386
37	11	18	3050	1386
38	11	37	2913	1392
39	11	55	3045	1384
40	12	14	2949	1382
41	12	33	2929	1384
42	12	51	2812	1390
43	13	10	2954	1386

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
46	14	6	3045	1388
47	14	24	3030	1386
48	14	43	3030	1382
49	15	2	3035	1336
50	15	20	3070	1386
51	15	39	2979	1388
52	15	58	3030	1384
53	16	16	2964	1382
54	16	35	2999	1382
55	16	53	2878	1382
56	17	12	2843	1390
57	17	31	2979	1382
58	17	49	2939	1388
59	18	8	2929	1374
60	18	27	3131	1374
61	18	45	2949	1386
62	19	4	3019	1388
63	19	22	3031	1384
64	19	41	2954	1394
65	20	0	2999	1384
66	20	18	2929	1382
67	20	37	2929	1374
68	20	55	2929	1402
69	21	14	2929	1394
70	21	33	3030	1390
71	21	51	3019	1388
72	22	10	2969	1380
73	22	28	3030	1392
74	22	47	2999	1386
75	23	6	2929	1394
76	23	24	2934	1392
77	23	43	3030	1388
78	24	2	2918	1390
79	24	20	2994	1394
80	24	39	2954	1396
81	24	57	2999	1394
82	25	16	2934	1400
83	25	31	2994	1396
84	25	53	2893	1390
85	26	12	2979	1394
86	26	30	2979	1392
87	26	49	2979	1390
88	27	8	3050	1396
89	27	26	2964	1390
90	27	45	2913	1390
91	28	3	2929	1396
92	28	22	2934	1386
93	28	41	3030	1394
94	28	59	2994	1390
95	29	18	2954	1400

1605

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
96	29	36	2969	1394
97	29	55	2913	1392
98	30	13	2979	1390
99	30	32	2949	1390
100	30	51	2883	1382
101	31	9	3035	1396
102	31	28	2949	1400
103	31	46	3050	1390
104	32	5	2954	1394
105	32	24	2949	1400
106	32	42	2923	1388
107	33	1	3080	1392
108	33	19	2939	1388
109	33	38	2999	1390
110	33	57	2929	1392
111	34	15	2989	1396
112	34	34	2969	1390
113	34	52	2934	1390
114	35	11	2923	1394
115	35	29	2989	1396
116	35	48	2929	1400
117	36	7	2939	1394
118	36	25	2944	1386
119	36	44	2929	1390
120	37	2	2959	1392
121	37	21	2994	1396
122	37	39	2979	1400
123	37	58	2974	1394
124	38	17	2949	1392
125	38	35	2989	1396
126	38	54	2929	1384
127	39	12	3030	1396
128	39	31	2969	1390
129	39	50	3141	1398
130	40	8	3136	1394
131	40	27	2989	1400
132	40	45	2994	1388
133	41	4	2923	1396
134	41	22	3030	1406
135	41	41	2929	1400
136	42	0	2939	1394
137	42	18	2893	1390
138	42	37	3131	1394
139	42	55	2893	1406
140	43	14	2908	1394
141	43	32	3080	1400
142	43	51	2994	1394
143	44	10	2979	1400
144	44	28	3004	1392
145	44	47	2929	1396

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
146	45	5	2994	1400
147	45	24	3004	1400
148	45	42	2939	1400
149	46	1	2939	1390
150	46	20	2929	1394
151	46	38	2989	1396
152	46	57	3050	1396
153	47	15	3080	1400
154	47	34	2979	1400
155	47	52	2979	1394
156	48	11	3040	1400
157	48	30	3030	1400
158	48	48	3030	1396
159	49	7	2984	1396
160	49	25	3030	1396
161	49	44	2964	1400
162	50	2	2929	1386
163	50	21	2918	1400
164	50	40	2929	1394
165	50	58	3035	1392
166	51	17	2969	1396
167	51	35	2999	1402
168	51	54	2944	1392
169	52	13	2929	1390
170	52	31	2999	1400
171	52	50	2918	1394
172	53	8	2913	1400
173	53	27	2929	1394
174	53	45	2989	1390
175	54	4	3030	1390
176	54	23	2979	1394
177	54	41	2944	1402
178	55	0	2923	1400
179	55	18	3080	1400
180	55	37	3030	1402
181	55	55	3080	1402
182	56	14	2934	1394
183	56	33	2999	1394
184	56	51	3080	1400
185	57	10	2934	1394
186	57	28	2908	1386
187	57	47	3136	1400
188	58	5	3019	1390
189	58	24	2893	1396
190	58	43	3035	1394
191	59	1	3030	1400
192	59	20	2934	1404
193	59	38	2984	1402
194	59	57	2964	1400

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
196	60	34	2913	1400
197	60	53	3030	1388
198	61	11	2964	1394
199	61	30	2903	1396
200	61	48	2888	1400
201	62	7	2984	1398
202	62	25	2954	1380
203	62	44	2913	1394
204	63	3	2954	1384
205	63	21	3019	1386
206	63	40	2964	1406
207	63	58	2954	1402
208	64	17	3030	1412
209	64	35	2933	1406
210	64	54	2954	1408
211	65	13	2934	1406
212	65	31	3030	1414
213	65	50	2929	1422
214	66	8	2999	1420
215	66	27	2979	1420
216	66	45	3030	1418
217	67	4	3080	1422
218	67	23	2979	1420
219	67	41	2913	1416
220	68	0	2994	1420
221	68	18	2989	1420
222	68	37	3019	1416
223	68	55	3019	1414
224	69	14	2923	1418
225	69	33	2979	1416
226	69	51	2994	1420
227	70	10	2989	1414
228	70	28	2807	1426
229	70	47	2954	1412
230	71	5	2949	1426
231	71	24	2959	1422
232	71	42	2969	1420
233	72	1	111	60
234	72	20	30	4
235	*	*	*	*

1908

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-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
1	0	12	47	49	47	47	53
2	0	31	48	48	47	47	54
3	0	49	47	48	47	46	53
4	1	8	48	48	47	46	54
5	1	26	48	48	46	46	53
6	*	*	48	49	47	46	54
7	2	4	48	48	47	46	54
8	2	22	48	48	47	46	54
9	2	41	48	48	47	46	53
10	3	0	48	48	47	46	54
11	3	18	48	48	46	46	54
12	3	37	48	48	46	46	54
13	3	56	48	48	46	46	54
14	4	14	48	48	46	46	54
15	4	33	48	48	46	46	54
16	4	52	48	48	46	46	54
17	5	10	48	48	46	46	54
18	5	29	48	48	45	47	54
19	5	47	48	48	46	46	54
20	6	6	48	48	47	46	54
21	6	25	46	49	47	43	53
22	6	43	46	48	45	43	54
23	7	2	47	49	48	45	54
24	7	21	47	48	45	45	54
25	7	39	46	49	46	45	54
26	7	58	45	43	48	44	54
27	8	16	47	48	48	45	55
28	8	35	48	48	47	46	54
29	8	54	47	49	47	46	54
30	9	12	49	48	45	46	54
31	9	31	49	47	45	46	54
32	9	50	47	48	48	45	55
33	10	8	47	49	48	45	55
34	10	27	46	45	47	46	54
35	10	45	48	48	48	45	55
36	27	44	48	48	45	45	54
37	11	23	48	48	47	46	55
38	11	41	48	48	44	45	55
39	28	40	48	48	48	47	56
40	12	19	47	48	45	46	55
41	12	37	47	48	45	45	55
42	12	56	49	49	45	45	55
43	13	14	48	48	48	47	55
44	13	33	47	48	45	44	
45	13	52	48	48	48	47	

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4-06	4-07	4-08	4-09	4-10	4-11	4-12	4-14	4-15
-PLT	CENTER	CENTER	1STAGE	1STAGE	1STAGE	2STAGE	2STAGE	2STAGE
DSHD	PANEL	PANEL	PUMP	PUMP	AFT	PUMP	AFT	AFCS 1
SIDE	WNDSHD	WNDSHD	INLET	OUTLET	SERVO	INLET	SERVO	(COLL.
PER	INSIDE	INSIDE	HYD.	HYD.	HYD IN	HYD.	HYD IN	/YAW
R H	LWR C	UPR C	TEMP	TEMP	TEMP	TEMP	TEMP	CHAN)
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
	49	47	47	53	54	55	52	55	51
	48	47	47	54	54	55	52	54	51
54	48	47	46	53	54	55	52	55	51
55	48	47	46	54	53	55	52	55	52
54	48	46	46	53	54	56	53	55	51
53	49	47	46	54	54	55	53	55	51
54	48	47	48	54	53	56	52	54	51
54	48	47	46	54	53	56	53	55	51
53	48	47	48	53	54	56	53	54	52
53	48	47	46	54	53	55	53	54	52
55	48	46	45	54	54	56	52	55	51
51	48	46	46	54	54	56	52	55	51
54	48	46	46	54	54	56	53	54	51
54	48	46	46	54	53	56	52	55	51
54	48	46	46	54	54	56	53	55	52
54	48	46	46	54	54	55	53	54	51
54	48	46	46	54	54	56	53	55	51
54	48	46	47	54	54	55	52	56	51
56	48	46	46	54	54	55	56	61	51
54	48	47	46	54	54	55	61	65	51
54	49	47	43	53	54	56	64	68	55
54	48	45	43	54	54	56	65	71	58
54	49	48	45	54	54	56	66	72	60
54	48	45	45	54	54	56	68	75	64
56	49	46	45	54	54	56	69	76	66
55	49	48	44	54	54	55	71	78	69
54	48	48	45	55	54	56	72	79	70
54	48	47	46	54	54	57	74	82	73
54	49	47	46	54	54	55	76	83	75
54	48	45	46	54	55	56	77	85	76
56	47	45	46	54	54	56	78	89	79
56	48	48	45	55	55	56	78	86	81
56	49	48	45	55	55	56	79	86	83
54	49	47	46	54	55	56	79	88	85
54	48	48	45	55	55	56	82	88	86
54	48	45	45	54	55	57	82	90	87
54	46	47	46	55	55	56	84	91	89
54	48	44	45	55	54	56	85	93	89
54	48	48	47	56	55	56	85	92	91
54	48	45	46	55	55	56	86	94	92
54	48	45	45	55	55	56	86	94	93
54	49	45	46	55	55	57	87	95	94
54	48	48	47	55	55	58	89	96	95
54	48	45	44	55	55	58	89	97	96
54	48	48	47	55	55	57	90	98	99

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
46	14	10	47	47	45	45	55
47	14	29	49	47	45	46	55
48	14	48	48	46	44	45	56
49	15	6	48	47	46	43	59
50	15	25	47	48	48	41	62
51	15	44	48	46	46	40	64
52	16	2	46	46	45	38	65
53	16	21	47	46	44	39	68
54	16	39	46	47	48	42	69
55	16	58	46	47	48	41	71
56	17	17	48	48	44	41	72
57	17	35	48	48	44	41	74
58	17	54	48	48	45	41	76
59	18	13	48	48	46	44	78
60	18	31	46	48	46	45	79
61	18	50	46	49	47	44	80
62	19	8	48	48	45	43	84
63	19	27	49	47	44	46	83
64	19	46	48	49	45	46	85
65	20	4	49	47	47	45	84
66	20	23	49	48	49	47	85
67	20	41	48	48	46	45	86
68	21	0	49	48	48	45	86
69	21	19	49	48	49	45	86
70	21	37	49	49	49	48	87
71	21	56	49	49	49	48	88
72	22	14	49	50	46	47	88
73	22	33	50	48	50	46	89
74	22	52	49	49	49	48	89
75	23	10	50	48	50	46	89
76	23	29	50	49	50	48	89
77	23	48	50	49	48	46	90
78	24	6	49	50	47	48	90
79	24	25	49	49	49	48	89
80	24	43	51	48	50	48	90
81	25	2	50	48	48	46	91
82	25	21	51	48	51	46	91
83	25	39	51	49	51	48	91
84	25	58	51	49	51	47	91
85	26	16	51	49	49	46	93
86	26	35	51	49	46	48	91
87	26	54	51	49	48	47	91
88	27	12	50	51	50	49	91
89	27	31	51	49	51	48	91
90	27	49	50	48	48	48	91
91	28	8	51	50	48	49	92
92	28	27	51	49	49	49	92
93	28	45	51	49	52	48	91
94	29	4	50	49	48	49	92
95	29	22	51	49	51	49	93

-06 PLT SHD IDE PER R H G.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
47	45	45	55	56	58	91	98	98
47	45	46	55	58	59	92	100	99
46	44	45	56	59	59	93	101	99
47	46	43	59	62	58	93	99	100
48	48	41	62	66	57	93	102	100
46	46	40	64	69	59	94	102	102
46	45	38	65	73	59	95	102	102
46	44	39	68	77	60	95	103	102
47	48	42	69	80	62	95	102	103
47	48	41	71	82	63	95	102	102
48	44	41	72	85	65	96	103	103
48	44	41	74	87	67	97	103	103
48	45	41	76	89	68	98	103	103
48	46	44	78	91	69	98	103	105
48	46	45	79	92	71	99	103	104
49	47	44	80	94	72	99	104	105
48	45	43	84	94	74	99	104	105
47	44	46	83	95	74	99	105	106
49	49	46	85	96	75	100	103	107
47	47	45	84	97	74	101	104	106
48	49	47	85	97	75	101	104	107
48	46	45	86	98	74	100	104	107
48	48	45	86	99	75	101	105	107
48	49	45	86	100	75	101	105	108
49	49	48	87	100	75	101	105	107
49	49	48	88	100	75	101	105	107
50	46	47	88	101	75	102	106	107
48	50	46	89	102	75	103	106	108
49	49	48	89	102	75	102	106	108
48	50	46	89	102	75	102	106	108
49	50	48	89	101	75	103	107	108
49	48	46	90	103	75	102	106	108
50	47	48	90	102	76	104	107	108
49	49	48	89	102	76	103	107	110
48	50	45	90	103	75	103	107	108
48	48	46	91	103	75	103	108	109
48	51	46	91	103	75	104	108	110
49	51	46	91	103	76	103	108	109
49	51	47	91	104	75	104	108	110
49	49	46	93	103	76	105	109	110
49	46	48	91	104	75	105	108	110
49	48	47	91	103	75	105	109	111
51	50	49	91	105	76	106	109	111
49	51	48	91	105	75	106	109	110
48	48	48	91	105	75	104	110	111
50	48	49	92	105	76	106	110	111
49	49	49	92	104	77	106	110	112
49	52	48	91	103	78	108	109	112
49	48	49	92	104	76	106	109	111
49	51	49	93	103	77	107	110	112

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
96	29	41	50	50	47	47	93
97	30	0	49	49	48	46	92
98	30	18	50	49	49	49	92
99	30	37	50	49	49	47	92
100	30	55	50	50	48	47	93
101	31	14	50	50	49	48	92
102	31	32	50	50	49	48	93
103	31	51	51	49	51	48	92
104	32	10	50	49	52	48	94
105	32	28	49	49	51	47	93
106	32	47	49	49	49	47	92
107	33	5	50	50	48	46	92
108	33	24	51	51	48	46	92
109	33	43	51	50	50	48	93
110	34	1	51	50	48	46	92
111	34	20	51	48	52	47	93
112	34	38	50	48	52	46	92
113	34	57	51	49	49	46	93
114	35	15	49	49	51	45	93
115	35	34	50	50	48	44	92
116	35	53	51	49	50	46	93
117	36	11	50	51	48	45	92
118	36	30	50	49	48	45	93
119	36	48	51	49	50	46	93
120	37	7	49	49	49	44	92
121	37	25	50	48	52	46	92
122	37	44	49	47	52	45	93
123	38	3	50	48	51	45	92
124	38	21	50	49	51	46	92
125	38	40	51	49	51	45	95
126	38	58	50	48	48	45	92
127	39	17	49	48	48	45	92
128	39	36	51	48	52	46	92
129	39	54	50	49	49	45	92
130	40	13	49	49	47	44	92
131	40	31	49	48	51	46	92
132	40	50	49	49	48	44	93
133	41	8	51	49	48	44	92
134	41	27	50	49	48	44	92
135	41	46	49	48	50	45	92
136	42	4	49	48	48	44	92
137	42	23	51	48	48	44	91
138	42	41	51	49	48	44	92
139	43	0	50	47	50	46	92
140	43	18	49	49	48	44	92
141	43	37	50	48	50	45	91
142	43	56	50	49	48	43	91
143	44	14	51	49	47	43	91
144	44	33	49	48	49	44	91
145	44	51	50	48	51	46	91

-06 PLT SHD IDE PER R H G.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
50	47	47	93	105	76	107	109	111
49	48	46	92	105	77	106	109	112
49	49	49	92	106	76	107	109	112
49	49	47	92	105	77	107	110	112
50	48	47	93	105	76	107	109	112
50	49	48	92	105	75	108	110	113
50	49	48	93	105	76	108	110	112
49	51	48	92	105	75	106	110	112
49	52	48	94	105	75	107	110	112
49	51	47	93	105	77	108	110	113
49	49	47	92	106	76	107	112	114
50	48	46	92	105	76	108	111	113
51	48	46	92	105	77	108	112	114
50	50	48	93	105	75	109	111	114
50	48	46	92	105	76	108	111	114
48	52	47	93	105	76	109	110	114
48	52	46	92	104	76	108	111	114
49	49	46	93	105	76	108	112	114
49	51	45	93	105	76	109	111	114
50	48	44	92	105	75	109	111	115
49	50	46	93	105	75	108	112	114
51	48	45	92	105	76	109	112	114
49	48	45	93	106	75	109	112	114
49	50	46	93	104	75	109	111	115
49	49	44	92	105	75	109	112	115
48	52	46	92	104	75	109	112	115
47	52	45	93	104	75	108	112	115
48	51	45	92	105	75	109	113	115
49	51	46	92	105	75	107	112	115
49	51	45	95	105	75	109	113	114
48	48	45	92	105	76	109	113	115
48	48	45	92	105	77	108	112	115
48	52	46	92	105	76	110	112	115
49	49	45	92	106	76	109	112	115
49	47	44	92	105	75	109	111	116
48	51	46	92	105	75	109	111	115
49	48	44	93	104	75	109	112	115
49	48	44	92	106	76	108	111	115
49	48	44	92	105	75	109	112	115
48	50	45	92	104	73	109	112	115
48	48	44	92	104	74	109	111	115
48	46	44	91	105	75	109	112	115
49	48	44	92	105	75	110	111	115
47	50	46	92	105	74	108	112	115
49	48	44	92	105	75	108	112	116
48	50	45	91	105	74	109	112	116
49	48	43	91	104	74	110	112	115
48	47	43	91	104	74	109	111	115
48	49	44	91	104	74	109	112	115
49	51	46	91	104	74	108	111	115

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
146	45	10	50	49	48	44	91
147	45	28	51	48	47	44	91
148	45	47	49	48	51	46	92
149	46	6	49	48	51	46	91
150	46	24	50	48	47	44	91
151	46	43	50	48	50	45	91
152	47	1	49	49	46	43	90
153	47	20	49	48	51	44	90
154	47	38	51	48	49	45	91
155	47	57	50	48	49	45	91
156	48	16	51	49	47	44	90
157	48	34	50	48	48	44	91
158	48	53	50	47	47	44	91
159	49	11	49	49	48	45	91
160	49	30	49	48	50	45	91
161	49	49	49	49	49	46	91
162	50	7	49	49	49	45	91
163	50	26	50	48	51	44	90
164	50	44	49	48	51	44	90
165	51	3	48	49	46	46	90
166	51	21	49	48	51	43	90
167	51	40	49	49	47	46	91
168	51	59	50	47	46	45	91
169	52	17	50	48	46	46	90
170	52	36	49	48	46	44	90
171	52	54	49	49	48	45	90
172	53	13	51	48	49	45	90
173	53	31	50	48	50	45	90
174	53	50	48	47	50	44	89
175	54	9	49	47	48	43	90
176	54	27	49	49	46	43	91
177	54	46	49	48	49	44	90
178	55	4	49	49	48	45	90
179	55	23	50	46	49	44	89
180	55	41	49	49	47	43	90
181	56	0	50	48	46	43	90
182	56	19	49	48	46	43	90
183	56	37	48	47	50	45	91
184	56	56	48	47	50	45	91
185	57	14	48	47	49	45	91
186	57	33	49	48	45	42	90
187	57	52	50	48	46	44	91
188	58	10	49	46	51	45	90
189	58	29	49	46	50	45	91
190	58	47	49	47	50	44	91
191	59	6	49	47	48	43	90
192	59	24	49	48	46	44	90
193	59	43	50	48	51	44	91
194	60	1	48	48	46	44	91
195	60	20	49	48	48	44	91

4-06 PLT SHD SIDE PER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
49	48	44	91	103	74	110	113	116
48	47	44	91	104	74	110	111	115
48	51	46	92	104	74	109	112	115
48	51	46	91	104	74	110	112	115
48	47	44	91	103	74	109	112	115
48	50	45	91	104	73	109	112	116
49	46	43	90	103	74	110	112	116
48	51	44	90	103	73	110	113	115
48	49	45	91	103	73	108	113	115
48	49	45	91	103	74	109	113	115
49	47	44	90	104	75	109	113	115
48	48	44	91	104	75	110	113	116
47	47	44	91	104	75	109	112	115
49	48	45	91	104	75	110	112	115
48	50	45	91	103	75	110	112	116
49	49	46	91	103	75	109	112	116
49	49	45	91	103	74	110	112	115
48	51	44	90	104	74	110	112	115
48	51	44	90	103	73	110	113	116
49	46	46	90	105	73	110	112	116
48	51	43	90	103	73	109	113	116
49	47	46	91	103	73	110	112	117
47	46	45	91	103	73	110	113	116
48	46	46	90	103	73	110	113	116
48	46	44	90	103	73	109	113	115
49	48	45	90	103	73	110	113	117
48	49	45	90	103	72	111	112	116
48	50	45	90	102	73	110	112	116
47	50	44	89	102	73	110	113	116
47	48	43	90	103	73	110	112	116
49	46	43	91	103	72	108	114	116
48	49	44	90	102	73	109	112	115
49	48	45	90	102	73	110	112	115
46	49	44	89	103	73	110	111	115
49	47	43	90	103	72	110	112	115
48	46	43	90	103	72	109	112	115
48	46	43	90	103	73	109	112	115
47	50	45	91	103	73	110	112	116
47	50	45	91	103	73	110	112	115
47	49	45	91	103	72	110	112	115
48	45	42	90	103	73	111	112	116
48	46	44	91	103	73	110	113	116
46	51	45	90	103	73	110	112	116
46	50	45	91	103	73	110	112	116
47	50	44	91	103	73	111	113	116
47	48	43	90	103	73	111	112	116
48	46	44	90	103	73	110	112	117
48	51	44	91	103	73	110	112	116
48	46	44	91	103	72	111	112	116
48	48	44	91	103	73	110	113	116

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
196	60	39	49	46	50	43	91
197	60	57	49	47	48	44	91
198	61	16	50	48	49	44	91
199	61	34	48	48	49	46	90
200	61	53	49	47	49	45	90
201	62	11	49	48	46	45	91
202	62	30	48	49	46	46	90
203	62	49	48	46	46	44	90
204	63	7	48	48	49	44	90
205	63	26	49	48	49	44	91
206	63	44	49	47	47	43	91
207	64	3	49	48	46	45	91
208	64	21	49	49	49	44	90
209	64	40	49	49	49	43	91
210	64	59	48	48	48	44	90
211	65	17	50	48	48	45	91
212	65	36	48	46	49	44	92
213	65	54	48	48	46	43	92
214	66	13	49	46	46	42	92
215	66	31	48	46	48	42	94
216	66	50	49	46	48	44	93
217	67	9	50	46	48	44	94
218	67	27	48	48	49	44	95
219	67	46	49	45	46	43	95
220	68	4	49	48	50	44	95
221	68	23	47	46	47	41	96
222	68	41	48	48	49	42	96
223	69	0	48	46	48	43	96
224	69	19	47	46	48	42	96
225	69	37	48	47	49	42	95
226	69	56	48	46	48	42	95
227	70	14	49	45	46	42	95
228	70	33	48	46	48	42	94
229	70	51	49	45	45	42	93
230	71	10	49	46	45	43	92
231	71	28	48	45	45	43	92
232	71	47	48	46	46	42	92
233	72	6	48	46	46	43	91
234	72	24	48	46	46	42	91
235	*	*	*	*	*	*	*

4-06 -PLT DSHD SIDE PER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
46	50	43	91	104	73	110	113	116
47	48	44	91	104	73	109	112	116
48	49	44	91	104	73	111	113	115
48	49	46	90	103	73	110	113	116
47	49	45	90	104	73	110	113	116
48	46	45	91	103	73	110	112	116
49	46	46	90	103	72	110	113	116
46	46	44	90	102	73	108	113	116
48	49	44	90	103	74	109	113	115
48	49	44	91	105	75	110	113	116
47	47	43	91	103	75	109	112	116
48	46	45	91	103	75	108	112	115
49	49	44	90	103	75	110	112	114
49	49	43	91	103	73	108	112	114
48	48	44	90	103	74	108	111	114
48	48	45	91	103	74	109	112	113
46	49	44	92	103	75	110	113	112
48	46	43	92	104	75	110	114	110
46	46	42	92	105	75	110	115	110
45	48	42	94	106	76	112	118	107
46	48	44	93	106	77	112	118	106
46	48	44	94	105	77	113	118	106
48	49	44	95	103	78	113	120	103
45	46	43	95	103	77	114	122	103
48	50	44	95	103	77	116	123	102
46	47	41	96	103	77	116	125	101
48	49	42	96	104	78	118	126	101
46	48	43	96	103	79	120	128	99
46	48	42	96	101	79	121	129	99
47	49	42	95	101	81	123	130	99
48	48	42	95	99	81	124	132	98
45	46	42	95	99	81	126	133	97
46	48	42	94	99	80	126	134	97
45	45	42	93	97	80	126	135	96
46	45	43	92	96	81	128	137	96
45	45	43	92	96	81	129	138	93
46	46	42	92	95	80	130	138	95
46	46	43	91	95	80	130	134	95
46	46	42	91	95	80	129	132	95
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
1	0	12	52	54	52	51	55
2	0	31	52	54	52	51	56
3	0	49	52	54	52	51	56
4	1	8	52	54	52	51	56
5	1	26	53	54	53	51	56
6	*	*	52	54	52	51	56
7	2	4	52	54	52	51	56
8	2	22	52	54	52	51	56
9	2	41	52	54	52	51	56
10	3	0	53	54	52	51	56
11	3	18	52	54	52	51	55
12	3	37	52	54	52	51	56
13	3	56	52	54	53	51	56
14	4	14	52	54	52	51	56
15	4	33	52	54	52	51	56
16	4	52	52	54	53	51	56
17	5	10	52	55	53	51	56
18	5	29	53	53	55	51	56
19	5	47	52	53	57	51	56
20	6	6	52	54	59	51	56
21	6	25	57	52	60	51	56
22	6	43	60	54	62	52	56
23	7	2	61	55	62	51	56
24	7	21	65	55	64	52	56
25	7	39	68	57	66	52	57
26	7	58	70	57	64	51	56
27	8	16	71	58	64	51	57
28	8	35	73	59	65	52	58
29	8	54	77	59	66	52	56
30	9	12	78	60	68	53	58
31	9	31	81	61	67	53	57
32	9	50	82	61	68	52	57
33	10	8	83	62	70	52	58
34	10	27	85	63	69	53	57
35	10	45	86	64	71	53	58
36	27	44	88	64	71	53	56
37	11	23	88	64	71	54	58
38	11	41	90	65	72	54	58
39	26	40	89	65	73	54	58
40	12	19	91	64	72	55	58
41	12	37	92	66	73	54	59
42	12	56	92	67	73	55	58
43	13	14	94	71	75	56	59
44	13	33	96	72	75	55	58

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

17	4-18	4-19	4-20	4-21	4-22	4-23	4-24	4-25
L.	UTIL.	UTIL	ROTARY	ROTARY	WINCH	WINCH	UTIL.	UTIL.
MP	PUMP	AFCS 2	RUDDER	RUDDER	PUMP	PUMP	HEAT	HEAT
ET	OUTLET	(PITCH	1STAGE	UTIL.	SERVO	OUTLET	EXCH.	EXCH.
D.	HYD.	/ ROLL	INLET	INLET	INLET	TEMP	INLET	OUTLET
MP	TEMP	CHAN)	TEMP	TEMP	HYD.	HYD.	HYD.	HYD.
C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
	52	51	55	55	53	53	53	53
	52	51	56	55	53	53	53	53
	52	51	56	56	53	53	53	53
	52	51	56	55	53	53	53	53
	53	51	56	55	53	53	53	53
	52	51	56	55	52	53	53	53
	52	51	56	55	53	53	53	53
	52	51	56	55	53	53	52	53
	52	51	56	55	53	52	53	53
	52	51	56	56	52	53	53	53
	52	51	55	55	52	53	53	53
	52	51	56	55	53	53	53	53
	53	51	56	56	53	53	54	53
	52	51	56	56	53	53	53	53
	52	51	56	55	53	53	53	53
	53	51	56	56	53	53	53	53
	53	51	56	56	53	53	54	53
	55	51	56	58	52	54	54	52
	57	51	56	56	53	53	58	54
	59	51	56	55	54	54	62	55
	60	51	56	57	53	52	67	58
	62	52	56	58	53	53	69	59
	62	51	56	59	53	54	71	59
	64	52	56	60	54	54	74	61
	66	52	57	62	54	54	74	62
	64	51	56	61	54	55	76	61
	64	51	57	62	54	55	78	61
	65	52	58	61	55	55	78	63
	66	52	56	61	54	55	80	63
	68	53	58	61	54	55	81	65
	67	53	57	62	55	56	81	64
	68	52	57	61	55	56	83	65
	70	52	58	63	55	57	84	65
	69	53	57	62	55	58	85	65
	71	53	58	62	56	58	85	66
	71	53	56	62	56	58	86	66
	71	54	58	63	57	59	86	66
	72	54	58	62	57	59	88	68
	73	54	58	62	57	59	88	68
	72	55	58	63	58	59	88	67
	73	54	59	62	59	60	88	68
	73	55	58	62	64	65	92	80
	75	56	59	63	61	65	91	79
	75	55	58	64	61	64	90	72
	76	56	58	64	62	63	89	73

2

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
46	14	10	97	73	77	56	58
47	14	29	98	73	78	57	58
48	14	48	99	72	78	58	59
49	15	6	99	72	80	57	58
50	15	25	98	73	82	58	58
51	15	44	100	73	81	59	57
52	16	2	100	73	81	59	58
53	16	21	100	73	82	59	59
54	16	39	101	74	83	59	58
55	16	58	101	74	81	59	59
56	17	17	102	76	81	60	59
57	17	35	102	79	83	61	59
58	17	54	103	79	85	61	59
59	18	13	103	79	85	61	59
60	18	31	103	79	88	62	59
61	18	50	103	79	86	62	59
62	19	8	103	79	88	63	60
63	19	27	103	79	88	64	61
64	19	46	104	79	88	64	61
65	20	4	104	79	88	64	60
66	20	23	105	79	88	64	60
67	20	41	105	78	88	65	61
68	21	0	105	78	87	66	61
69	21	19	105	78	88	66	60
70	21	37	105	78	87	66	61
71	21	56	106	78	88	66	61
72	22	14	105	78	87	68	61
73	22	33	105	78	88	67	61
74	22	52	106	77	87	67	61
75	23	10	106	77	86	68	61
76	23	29	107	77	88	69	60
77	23	48	107	77	86	69	60
78	24	6	108	77	87	69	61
79	24	25	107	77	87	69	61
80	24	43	108	77	86	69	61
81	25	2	108	76	87	70	61
82	25	21	108	77	87	71	62
83	25	39	109	77	87	71	60
84	25	58	109	77	88	71	61
85	26	16	110	77	86	71	61
86	26	35	109	77	88	71	61
87	26	54	110	77	87	72	61
88	27	12	110	76	87	72	60
89	27	31	110	77	87	73	61
90	27	49	110	76	86	73	61
91	28	8	110	76	86	73	61
92	28	27	109	77	87	73	60
93	28	45	109	77	86	73	61
94	29	4	109	77	87	74	61
95	29	22	109	77	86	73	61

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
73	77	56	58	64	62	65	90	71
73	78	57	58	63	63	64	91	71
72	78	58	59	64	62	65	92	72
72	80	57	58	64	63	65	92	72
73	82	58	58	64	63	65	92	73
73	81	59	57	64	64	66	92	75
73	81	58	58	64	64	66	93	74
73	82	59	59	64	65	66	93	75
74	83	59	58	64	65	68	93	75
74	81	59	59	64	70	73	98	83
76	81	60	59	64	73	71	99	87
79	83	61	59	65	69	71	96	80
79	85	61	59	64	70	71	95	78
79	85	61	59	64	70	72	95	78
79	88	62	59	64	70	72	97	78
79	86	62	59	64	71	71	97	78
79	88	63	60	64	71	73	96	78
79	88	64	61	65	71	74	98	79
79	88	64	61	64	71	74	98	77
79	88	64	60	64	72	74	98	76
79	88	64	60	64	72	73	98	76
78	88	65	61	63	72	74	98	76
78	87	66	61	64	73	74	98	75
78	88	66	60	64	72	75	98	74
78	87	66	61	63	73	75	98	75
78	88	66	61	63	73	75	97	75
78	87	68	61	63	73	75	98	75
78	88	67	61	64	74	75	97	75
77	87	67	61	63	73	75	98	75
77	86	68	61	62	74	75	98	76
77	88	69	60	62	74	75	98	75
77	86	69	60	62	74	75	97	75
77	87	69	61	62	73	76	97	75
77	87	69	61	63	74	75	97	74
77	86	69	61	63	74	76	97	75
76	87	70	61	63	73	75	98	75
77	87	71	62	63	75	76	97	75
77	87	71	60	62	75	75	97	74
77	88	71	61	62	75	76	97	75
77	86	71	61	62	75	76	97	74
77	88	71	61	63	75	76	98	75
77	87	72	61	63	76	76	97	75
76	87	72	60	63	75	76	98	75
77	87	73	61	62	75	76	97	76
76	86	73	61	61	75	76	98	75
76	86	73	61	62	76	77	97	77
77	87	73	60	62	76	76	98	77
77	86	73	61	62	75	77	97	75
77	87	74	61	62	75	76	96	74
77	86	73	61	62	75	77	98	73

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
96	29	41	110	77	87	74	61
97	30	0	110	77	86	74	60
98	30	18	111	76	86	74	61
99	30	37	110	76	86	74	61
100	30	55	111	76	86	75	60
101	31	14	110	76	87	75	60
102	31	32	110	76	86	75	61
103	31	51	110	76	86	75	61
104	32	10	110	75	86	76	61
105	32	28	111	76	86	76	60
106	32	47	111	76	86	75	60
107	33	5	110	76	85	76	61
108	33	24	111	76	86	75	61
109	33	43	112	75	86	75	60
110	34	1	112	76	85	77	61
111	34	20	112	75	85	76	60
112	34	38	112	75	85	76	60
113	34	57	112	75	86	76	60
114	35	15	112	75	86	76	59
115	35	34	112	75	85	77	61
116	35	53	112	75	85	76	60
117	36	11	113	75	86	77	60
118	36	30	112	75	85	77	59
119	36	48	112	75	85	77	60
120	37	7	111	75	85	76	60
121	37	25	112	75	85	76	61
122	37	44	112	75	85	77	60
123	38	3	113	75	85	77	60
124	38	21	113	75	85	77	59
125	38	40	112	74	86	77	60
126	38	58	112	75	85	78	60
127	39	17	112	75	86	77	60
128	39	36	111	75	86	77	61
129	39	54	112	76	86	78	59
130	40	13	113	75	85	77	60
131	40	31	112	75	85	77	59
132	40	50	113	75	85	78	59
133	41	8	113	75	85	78	59
134	41	27	112	75	85	78	59
135	41	46	112	75	85	78	59
136	42	4	113	75	85	79	60
137	42	23	114	75	85	78	59
138	42	41	113	75	85	78	59
139	43	0	113	75	84	78	59
140	43	18	113	75	85	79	61
141	43	37	113	75	85	79	59
142	43	56	113	74	85	78	59
143	44	14	113	75	85	78	59
144	44	33	113	74	85	79	58
145	44	51	113	75	85	78	59

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-2 UTIL HEA EXCH OUTLE HYD DEG.
77	87	74	61	61	76	76	97	74
77	86	74	60	62	75	77	97	73
76	86	74	61	62	76	76	98	73
76	86	74	61	62	76	76	96	73
76	86	75	60	62	76	76	96	73
76	87	75	60	61	75	76	97	74
76	86	75	61	62	76	76	97	73
76	86	75	61	62	76	76	97	74
75	86	76	61	62	76	77	97	74
76	86	76	60	62	75	76	96	73
76	86	75	60	61	76	76	96	73
76	85	76	61	61	75	76	96	73
76	86	75	61	62	75	76	96	75
75	86	75	60	62	75	76	96	73
76	86	77	61	61	75	76	97	73
75	85	76	60	61	75	76	96	73
75	85	76	60	62	76	76	96	72
75	86	76	60	62	75	75	96	73
75	86	76	59	61	75	76	96	73
75	85	77	61	61	75	76	96	72
75	85	76	60	60	75	76	96	73
75	86	77	60	61	75	76	96	72
75	85	77	59	62	75	76	96	73
75	85	77	60	60	75	76	96	72
75	85	76	60	60	75	76	96	74
75	85	76	61	61	75	75	96	73
75	85	77	60	61	75	75	96	72
75	85	77	60	60	75	75	96	72
75	85	77	59	61	75	75	96	74
74	86	77	60	61	75	75	96	75
75	85	78	60	61	75	75	97	74
75	86	77	60	61	75	75	97	75
75	86	77	61	62	75	76	97	73
76	86	78	59	61	75	75	97	73
75	85	77	60	61	75	75	97	74
75	85	77	59	59	75	75	97	72
75	85	78	59	59	75	75	97	73
75	85	78	59	60	75	75	97	72
75	85	78	59	59	75	75	96	72
75	85	78	59	60	75	75	96	73
75	83	79	60	61	75	75	96	73
75	85	78	59	60	74	75	96	73
75	85	78	59	60	75	76	97	73
75	84	78	59	59	74	75	96	73
75	85	79	61	60	75	75	96	72
75	85	79	59	60	73	75	96	72
74	85	78	59	60	75	74	96	73
75	85	78	59	60	75	75	96	72
74	85	79	58	60	73	74	96	73
75	85	78	59	59	74	75	96	72

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
146	45	10	113	75	85	79	60
147	45	28	113	74	85	78	59
148	45	47	113	74	85	78	60
149	46	6	113	74	85	78	59
150	46	24	112	75	85	78	60
151	46	43	113	74	85	78	59
152	47	1	113	73	83	78	59
153	47	20	113	74	84	78	59
154	47	38	113	74	84	78	59
155	47	57	113	72	84	78	59
156	48	16	112	74	85	78	60
157	48	34	112	75	85	79	59
158	48	53	113	74	85	79	60
159	49	11	114	74	85	78	59
160	49	30	114	74	85	78	59
161	49	49	113	74	84	78	59
162	50	7	114	74	84	78	59
163	50	26	113	73	84	79	60
164	50	44	114	73	84	78	59
165	51	3	112	73	83	79	59
166	51	21	114	73	83	78	59
167	51	40	114	73	83	79	59
168	51	59	114	72	83	78	59
169	52	17	113	73	83	78	59
170	52	36	114	73	83	78	60
171	52	54	113	73	83	79	60
172	53	13	113	73	83	78	59
173	53	31	114	73	83	79	59
174	53	50	113	73	83	79	58
175	54	9	114	72	82	78	58
176	54	27	113	72	83	78	59
177	54	46	113	73	83	78	59
178	55	4	113	73	83	79	59
179	55	23	112	73	82	79	59
180	55	41	113	73	83	78	59
181	56	0	113	72	83	78	59
182	56	19	113	72	83	78	59
183	56	37	113	73	83	79	59
184	56	56	113	73	82	79	58
185	57	14	112	73	83	78	58
186	57	33	113	73	83	79	58
187	57	52	113	73	83	79	58
188	58	10	113	73	82	79	58
189	58	29	113	72	83	79	58
190	58	47	113	73	82	79	58
191	59	6	113	73	83	78	58
192	59	24	113	72	83	78	58
193	59	43	113	72	83	78	58
194	60	1	113	72	82	78	58
195	60	20	113	73	83	78	58

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
75	85	79	60	60	75	75	97	73
74	85	78	59	61	74	74	96	72
74	85	78	60	59	74	75	96	72
74	85	78	59	60	75	75	96	72
75	85	78	60	60	74	75	96	72
74	85	78	59	59	73	74	96	72
73	83	78	59	60	73	73	95	71
74	84	78	59	60	74	73	96	72
74	84	78	59	59	74	74	96	74
72	84	78	59	60	74	75	96	74
74	85	78	60	60	74	74	96	74
75	85	79	59	60	74	74	95	73
74	85	79	60	60	74	74	96	73
74	85	78	59	59	74	74	96	72
74	85	78	59	60	74	75	95	73
74	84	78	59	61	75	75	95	72
74	84	78	59	60	74	75	96	72
73	84	79	60	60	75	74	96	71
73	84	78	59	60	74	74	95	71
73	83	79	59	61	73	75	95	71
73	83	78	59	60	74	74	95	71
73	83	79	59	61	73	74	95	71
72	83	78	59	59	74	73	95	71
73	83	78	59	60	74	73	95	70
73	83	78	60	60	73	74	95	71
73	83	79	60	59	74	73	95	71
73	83	78	59	60	73	74	94	71
73	83	79	59	59	73	73	95	71
73	83	79	58	60	73	73	95	71
72	82	78	58	59	73	73	95	71
72	83	78	59	61	73	74	95	72
73	83	78	59	59	73	74	95	72
73	83	79	59	59	73	73	95	72
73	82	79	59	59	74	73	95	69
73	83	78	59	60	72	73	95	71
72	83	78	59	59	73	73	95	72
72	83	78	59	59	73	73	95	71
73	83	79	59	59	73	73	96	71
73	82	79	58	59	73	73	96	71
73	83	78	58	58	73	73	96	71
73	83	79	58	59	72	74	96	71
73	83	79	58	59	73	73	96	71
73	82	79	58	60	73	73	95	70
72	83	79	59	59	73	73	96	71
73	82	79	58	59	73	74	96	71
73	83	78	58	59	73	74	96	70
72	83	78	58	59	73	74	96	70
72	83	78	58	59	73	74	95	71
72	82	78	58	59	74	73	96	71
73	83	78	58	59	73	73	96	70

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
196	60	39	113	72	83	78	59
197	60	57	114	72	83	78	59
198	61	16	114	72	83	78	58
199	61	34	113	72	83	78	58
200	61	53	112	73	82	78	58
201	62	11	114	72	82	79	58
202	62	30	114	72	83	79	58
203	62	49	113	72	83	78	58
204	63	7	113	72	83	79	58
205	63	26	112	73	82	79	59
206	63	44	111	73	83	79	58
207	64	3	111	73	83	78	59
208	64	21	111	73	83	79	58
209	64	40	112	73	83	78	58
210	64	59	112	73	83	78	59
211	65	17	109	73	83	79	59
212	65	36	105	73	84	78	59
213	65	54	103	74	83	79	58
214	66	13	100	75	85	79	59
215	66	31	98	75	83	80	59
216	66	50	97	73	82	78	59
217	67	9	95	72	81	80	59
218	67	27	93	73	81	80	59
219	67	46	93	73	81	80	59
220	68	4	92	73	83	80	61
221	68	23	90	73	83	80	59
222	68	41	91	75	84	79	60
223	69	0	89	76	83	79	60
224	69	19	88	76	85	81	61
225	69	37	88	77	86	80	61
226	69	56	87	77	86	80	61
227	70	14	87	78	87	81	62
228	70	33	86	79	85	82	62
229	70	51	86	84	87	81	61
230	71	10	86	88	91	81	62
231	71	28	85	90	93	81	62
232	71	47	85	91	93	81	62
233	72	6	86	90	92	81	62
234	72	24	86	89	91	81	62
235	*	*	*	*	*	*	*

-17 IL. UMP LET YD. EMP G.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
72	83	78	59	59	73	73	95	71
72	83	78	59	59	73	73	96	71
72	83	78	58	59	73	73	96	71
72	83	78	58	59	72	73	96	71
73	82	78	58	58	73	74	96	71
72	82	79	58	59	73	72	96	71
72	83	79	58	59	73	72	96	70
72	83	78	58	58	72	72	96	73
72	83	79	58	58	72	73	96	73
73	82	79	59	58	73	73	96	74
73	83	79	58	59	73	74	96	73
73	83	78	59	58	73	73	96	72
73	83	79	58	59	72	73	96	72
73	83	78	58	59	72	73	95	72
73	83	78	59	59	73	73	95	73
73	83	79	59	59	73	74	96	75
73	84	78	59	59	73	75	96	75
74	83	79	58	59	74	75	96	75
75	85	79	59	60	75	75	96	75
75	83	80	59	59	74	75	97	75
73	82	78	59	59	75	75	96	75
72	81	80	59	60	75	75	96	75
73	81	80	59	60	75	76	95	75
73	81	80	59	60	75	75	95	75
73	83	80	61	61	75	76	96	75
73	83	80	59	60	76	76	96	77
75	84	79	60	61	76	76	96	78
76	83	79	60	61	76	76	96	79
76	85	81	61	61	76	76	97	79
77	86	80	61	62	76	78	97	78
77	86	80	61	61	76	78	98	79
78	87	81	62	62	77	78	99	79
79	85	82	62	63	79	81	104	92
84	87	81	61	63	79	81	104	91
88	91	81	62	65	83	83	111	98
90	93	81	62	64	81	82	108	95
91	93	81	62	64	81	82	105	87
90	92	81	62	64	80	82	102	88
89	91	81	62	64	81	82	101	87
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	S-06 ENG.1 OIL COOLER INLET OIL DEG.C	S-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	S-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	S-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
1	0	14	51	51	53	51	52
2	0	33	52	51	53	51	52
3	0	51	52	51	53	51	52
4	1	10	51	51	53	51	52
5	1	29	51	51	53	51	52
6	1	47	52	51	54	51	52
7	2	6	51	51	54	51	52
8	2	24	51	51	53	51	52
9	2	43	51	51	54	51	52
10	3	2	51	51	53	51	52
11	3	20	51	51	53	51	52
12	3	39	51	51	54	51	52
13	3	58	51	51	53	51	52
14	4	16	52	51	53	51	52
15	4	35	51	51	53	51	52
16	4	54	51	51	53	51	52
17	5	12	51	51	53	51	52
18	5	31	52	51	54	51	52
19	5	50	51	51	53	51	52
20	6	8	51	51	54	51	52
21	6	27	51	51	53	51	52
22	6	45	51	51	52	50	52
23	7	4	51	50	54	50	52
24	7	23	51	51	52	50	52
25	7	41	51	51	53	50	52
26	8	0	51	51	54	51	52
27	8	19	52	50	53	50	53
28	8	37	51	51	53	51	52
29	8	56	51	51	52	51	52
30	9	14	51	51	53	50	52
31	9	33	51	50	52	49	51
32	9	52	51	50	52	49	52
33	10	10	51	51	52	50	53
34	10	29	52	51	53	51	52
35	10	48	52	50	53	50	53
36	11	6	52	50	52	50	52
37	11	25	51	49	52	49	52
38	11	43	52	50	52	50	52
39	12	2	52	51	53	49	52
40	12	21	52	49	51	49	52
41	12	39	51	50	52	49	52
42	12	58	51	51	52	49	52
43	13	17	52	56	54	49	52
44	13	35	53	59	59	49	
45	13	54	55	62	62	50	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

S-06	S-07	S-08	S-09	S-10	S-11	S-12	S-13	S-14
NG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
OLER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
NLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
51	53	51	52	51	52	52	51	53
51	53	51	52	52	52	52	51	53
51	53	51	52	52	52	51	51	52
51	53	51	52	51	52	51	51	53
51	53	51	52	51	52	52	51	53
51	54	51	52	52	52	51	51	53
51	54	51	52	51	52	52	50	52
51	53	51	52	51	52	51	51	53
51	54	51	52	51	52	51	51	53
51	53	51	52	51	52	52	50	54
51	53	51	52	51	52	52	51	53
51	54	51	52	51	52	52	51	52
51	53	51	52	51	52	51	51	53
51	53	51	52	51	52	52	51	53
51	53	51	52	51	52	53	51	53
51	53	51	52	51	52	52	51	53
51	53	51	52	51	52	52	51	53
51	54	51	52	51	52	52	50	54
51	53	51	52	51	52	51	51	53
51	54	51	52	52	52	52	51	52
51	53	51	52	52	52	51	51	53
51	52	50	52	51	52	51	51	53
50	54	50	52	51	52	52	51	53
51	52	50	52	51	52	52	51	54
51	53	50	52	51	52	52	51	52
51	54	51	52	51	53	52	51	54
50	53	50	53	52	52	52	50	54
51	53	51	52	51	52	52	51	54
51	52	51	52	51	52	51	51	54
51	53	50	52	52	53	52	51	54
50	52	49	51	51	52	52	51	53
50	52	49	52	51	52	52	50	53
51	52	50	53	52	53	53	51	54
51	53	51	52	52	54	52	51	52
50	53	50	53	52	52	53	51	54
50	52	50	52	51	52	52	51	53
49	52	49	52	52	52	52	51	54
50	52	50	52	51	53	52	51	55
51	53	49	52	52	52	52	51	54
49	51	49	52	51	53	52	51	53
50	52	49	52	51	52	52	50	53
51	52	49	52	51	52	52	51	54
50	54	49	52	52	53	52	51	54
51	59	49	52	52	52	52	51	54
52	62	50	51	51	52	52	51	54

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
46	14	12	59	66	65	49	52
47	14	31	62	70	66	48	54
48	14	50	63	72	67	48	55
49	15	8	66	75	70	46	56
50	15	27	66	78	72	45	59
51	15	46	69	82	73	44	59
52	16	4	71	89	78	41	68
53	16	23	76	95	81	41	72
54	16	42	79	98	83	40	76
55	17	0	82	102	86	41	79
56	17	19	84	105	89	41	83
57	17	37	86	107	91	41	85
58	17	56	89	110	93	41	88
59	18	15	92	112	95	41	90
60	18	33	93	113	96	41	91
61	18	52	93	115	96	42	92
62	19	11	95	116	95	42	92
63	19	29	96	119	96	41	92
64	19	48	96	120	98	40	92
65	20	6	96	122	98	40	93
66	20	25	97	122	98	39	93
67	20	44	98	123	99	40	94
68	21	2	98	124	100	39	94
69	21	21	99	124	101	39	95
70	21	39	99	125	101	39	96
71	21	58	99	125	101	39	96
72	22	17	100	126	100	39	96
73	22	35	100	126	102	39	96
74	22	54	101	126	101	39	96
75	23	12	101	127	101	39	96
76	23	31	100	127	101	39	96
77	23	50	101	127	101	39	97
78	24	8	100	127	101	39	96
79	24	27	101	128	102	38	96
80	24	45	101	128	101	39	97
81	25	4	101	128	101	41	96
82	25	23	102	128	101	39	96
83	25	41	101	128	101	39	96
84	26	0	102	129	102	39	96
85	26	18	101	129	102	39	96
86	26	37	101	128	101	39	96
87	26	56	102	128	101	40	96
88	27	14	102	128	102	39	97
89	27	33	101	128	101	40	96
90	27	52	101	127	101	39	98
91	28	10	101	126	102	41	98
92	28	29	102	127	100	40	96
93	28	47	100	127	102	39	96
94	29	6	101	129	102	39	96
95	29	25	101	129	102	38	96

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
66	65	49	52	53	52	52	51	54
70	66	48	54	51	53	51	51	54
72	67	48	55	51	52	52	51	53
75	70	46	56	52	53	51	50	54
78	72	45	59	55	53	52	51	54
82	73	44	59	56	52	51	51	54
89	78	41	68	66	53	52	51	54
95	81	41	72	76	53	52	51	54
98	83	40	76	82	53	52	51	53
102	86	41	79	86	53	52	52	53
105	89	41	83	92	52	52	56	56
107	91	41	85	96	56	54	61	61
110	93	41	88	99	61	60	66	64
112	95	41	90	102	69	69	75	69
113	95	41	91	103	73	76	81	74
115	96	42	92	106	76	84	86	77
116	95	42	92	108	80	89	91	80
119	96	41	92	110	84	95	96	83
120	98	40	92	112	87	100	101	86
122	98	40	93	113	88	103	103	88
122	98	39	93	114	91	108	106	90
123	99	40	94	116	92	109	110	91
124	100	39	94	116	94	111	110	93
124	101	39	95	116	95	113	113	95
125	101	39	96	117	96	115	115	95
125	101	39	96	118	97	116	115	96
126	100	39	96	118	98	118	118	96
126	102	39	96	119	99	118	119	98
126	101	39	96	120	99	118	119	98
127	101	39	96	119	98	120	119	99
127	101	39	96	120	99	121	120	99
127	101	39	97	120	100	122	120	99
127	101	39	96	120	99	122	122	100
128	102	38	96	121	100	123	122	100
128	101	39	97	120	101	123	122	100
128	101	41	96	120	100	123	122	100
128	101	39	96	120	101	123	123	99
128	101	39	96	120	101	124	123	100
129	102	39	96	122	101	124	123	100
129	102	39	96	121	102	125	123	101
128	101	39	96	122	101	125	123	101
128	101	40	96	122	101	125	124	101
128	102	39	97	120	101	125	123	102
128	101	40	96	121	101	124	123	101
127	101	39	98	120	103	124	123	102
126	102	41	98	120	102	122	122	101
127	100	40	96	121	98	122	122	99
127	102	39	96	122	98	119	120	97
129	102	39	96	121	97	119	119	96
129	102	39	96	122	97	119	118	96

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
96	29	43	102	130	102	38	96
97	30	2	102	131	103	38	96
98	30	20	103	130	103	38	97
99	30	39	103	132	103	38	98
100	30	57	103	131	104	38	97
101	31	16	103	132	103	38	97
102	31	35	103	132	103	38	98
103	31	53	103	132	104	38	97
104	32	12	104	132	104	38	98
105	32	30	103	133	104	39	98
106	32	49	104	133	105	38	98
107	33	8	103	132	105	38	98
108	33	26	104	133	104	38	98
109	33	45	104	132	104	38	98
110	34	3	103	133	104	38	98
111	34	22	103	133	104	38	98
112	34	40	104	132	104	38	98
113	34	59	103	133	104	39	98
114	35	18	104	133	104	38	98
115	35	36	105	133	103	38	98
116	35	55	103	133	103	38	98
117	36	13	103	133	105	38	98
118	36	32	104	133	103	38	98
119	36	50	103	133	104	39	97
120	37	9	103	133	104	38	98
121	37	28	103	133	103	38	98
122	37	46	103	133	104	38	97
123	38	5	104	132	104	39	97
124	38	23	103	130	102	39	98
125	38	42	103	128	99	39	97
126	39	1	101	126	98	40	94
127	39	19	99	123	96	42	93
128	39	38	98	123	95	41	92
129	39	56	96	120	93	42	92
130	40	15	95	119	92	42	92
131	40	33	94	118	92	41	90
132	40	52	93	117	92	42	90
133	41	11	92	116	91	41	89
134	41	29	92	115	91	42	89
135	41	48	91	115	90	42	89
136	42	6	90	114	90	41	89
137	42	25	91	114	90	42	88
138	42	43	91	113	90	41	88
139	43	2	90	113	89	42	88
140	43	21	90	113	89	41	88
141	43	39	89	112	89	42	87
142	43	58	89	112	89	42	87
143	44	16	89	112	88	41	87
144	44	35	89	112	89	41	88
145	44	53	88	111	88	42	88

-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
LER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
LET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
30	102	38	96	122	97	119	117	95
31	103	38	96	123	96	118	117	95
30	103	38	97	124	96	118	117	95
32	103	38	96	123	96	119	115	94
31	104	38	97	124	96	118	116	93
32	103	38	97	125	96	118	114	93
32	103	38	98	124	96	118	115	93
32	104	38	97	125	96	118	114	93
32	104	38	98	125	96	118	115	93
33	104	39	98	124	96	118	114	93
33	105	38	98	125	96	117	113	93
32	105	38	98	125	96	117	115	93
33	104	38	98	126	96	118	113	93
32	104	38	98	125	95	116	114	92
33	104	38	98	126	95	117	114	92
33	104	38	98	125	96	117	115	92
32	104	38	98	125	95	117	113	93
33	104	39	98	125	96	118	113	92
33	104	38	98	125	95	117	113	93
33	103	38	98	125	95	117	114	92
33	103	38	98	125	95	116	113	92
33	105	38	98	125	96	117	113	93
33	103	38	98	125	94	117	113	91
33	104	39	97	125	96	117	113	93
33	104	38	98	126	95	118	112	92
33	103	38	98	125	95	116	112	92
33	104	38	97	125	95	117	112	92
32	104	39	97	125	95	116	113	92
30	102	39	98	124	95	116	112	93
28	99	39	97	122	96	116	113	93
26	98	40	94	119	96	118	115	94
23	96	42	93	118	97	119	118	96
23	95	41	92	116	99	122	120	98
20	93	42	92	116	98	121	122	98
19	92	42	92	114	99	123	122	98
18	92	41	90	114	99	123	122	99
17	92	42	90	113	99	122	123	100
16	91	41	89	112	99	123	124	101
15	91	42	89	111	99	123	124	101
15	90	42	89	111	100	125	125	102
14	90	41	89	110	100	125	126	101
14	90	42	88	110	100	124	125	102
13	90	41	88	110	100	125	127	102
13	89	42	88	110	101	125	126	102
13	89	41	88	110	101	125	126	103
12	89	42	87	109	101	125	126	103
12	89	42	87	108	102	125	127	102
12	88	41	87	109	101	125	126	102
12	89	41	88	108	101	125	126	102
11	88	42	88	108	101	126	126	103

170	52	38	83	104	83	43	82
171	52	56	83	104	83	43	82
172	53	15	83	103	82	43	81
173	53	34	82	104	82	43	81
174	53	52	83	103	82	43	81
175	54	11	82	104	83	43	82
176	54	29	82	103	84	42	82
177	54	48	83	108	86	40	82
178	55	6	85	112	89	38	84
179	55	25	87	116	92	38	86
180	55	44	90	119	93	38	87
181	56	2	92	121	95	39	89
182	56	21	93	122	96	38	90
183	56	39	95	125	98	38	90
184	56	58	96	125	98	38	92
185	57	16	97	126	98	39	92
186	57	35	98	128	99	39	92
187	57	54	99	128	100	38	94
188	58	12	101	129	101	38	95
189	58	31	99	130	101	38	95
190	58	49	101	131	102	38	95
191	59	8	102	131	102	38	94
192	59	26	102	131	102	39	94
193	59	45	102	132	102	38	95
194	60	4	102	133	102	38	96
195	60	22	103	132	103	38	96

1221

84	83	43	82	100	101	127	129	104
84	83	43	82	101	102	128	129	103
103	82	43	81	100	102	128	129	103
84	82	43	81	100	103	128	129	103
83	82	43	81	100	102	128	129	103
84	83	43	82	100	101	127	129	103
83	84	42	82	100	102	127	127	101
98	86	40	82	103	99	123	125	98
12	89	38	84	105	96	119	123	96
16	92	38	86	109	93	116	120	95
19	93	38	87	110	92	114	118	93
21	95	39	89	112	91	112	116	92
22	96	38	90	114	89	110	115	91
25	98	38	90	115	88	108	112	89
25	98	38	92	116	87	106	112	89
26	98	39	92	117	86	106	110	88
28	99	38	92	119	86	103	109	87
28	100	38	94	120	86	103	109	87
29	101	38	95	121	85	103	108	85
30	101	38	95	121	85	102	108	85
31	102	38	95	122	84	102	107	85
31	102	38	94	122	83	101	106	86
31	102	39	94	123	83	101	106	85
32	102	38	95	123	83	101	106	83
33	102	38	96	123	82	101	105	85
32	103	38	96	123	83	100	105	84

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 M.G.B. COOLER OUTLET OIL DEG.C
196	60	41	102	133	103	39	95
197	60	59	103	133	103	39	96
198	61	18	103	134	103	40	96
199	61	36	103	135	104	39	96
200	61	53	103	134	104	39	96
201	62	14	103	135	104	39	96
202	62	32	104	134	105	41	96
203	62	51	104	132	102	40	97
204	63	9	103	129	101	42	98
205	63	28	102	127	101	42	96
206	63	46	101	127	99	42	93
207	64	5	99	128	98	41	93
208	64	24	99	127	99	41	94
209	64	42	99	127	99	41	96
210	65	1	99	124	100	42	96
211	65	19	100	122	97	43	95
212	65	38	98	123	97	43	95
213	65	56	97	122	95	44	92
214	66	15	96	120	93	44	92
215	66	34	95	119	92	44	91
216	66	52	94	117	93	44	89
217	67	11	93	115	98	45	93
218	67	29	94	113	106	45	97
219	67	48	95	112	108	45	99
220	68	6	96	112	109	46	100
221	68	25	95	112	108	46	101
222	68	44	96	111	107	46	99
223	69	2	95	110	109	46	99
224	69	21	96	109	108	47	99
225	69	39	95	107	109	47	98
226	69	58	96	106	109	46	99
227	70	16	94	106	109	47	98
228	70	35	96	117	106	48	99
229	70	53	95	114	113	48	99
230	71	12	96	110	112	48	100
231	71	31	98	110	110	48	100
232	71	49	99	110	111	49	101
233	72	8	100	110	112	45	100
234	72	26	100	109	112	49	101
235	*	*	*	*	*	*	*

5-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
COOLER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
OUTLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
133	103	39	95	124	82	100	104	83
133	103	39	96	125	82	99	104	83
134	103	40	96	124	81	100	103	82
135	104	39	96	125	82	99	103	83
134	104	39	96	124	83	98	103	83
135	104	39	96	125	82	99	102	82
134	105	41	96	125	81	98	102	82
132	102	40	97	124	81	99	103	83
129	101	42	98	123	83	100	104	85
127	101	42	96	121	86	102	104	86
127	99	42	93	120	86	106	106	87
126	98	41	93	120	88	109	109	90
127	99	41	94	121	89	111	112	91
127	99	41	96	120	92	112	113	92
124	100	42	96	120	93	113	113	92
122	97	43	95	118	93	113	113	92
122	97	43	95	118	93	113	113	92
122	95	44	92	116	94	114	113	92
120	93	44	92	115	93	114	112	90
119	92	44	91	115	93	115	113	91
117	93	44	89	114	95	113	111	94
115	96	45	93	111	93	110	111	96
113	106	45	97	110	93	108	110	99
112	108	45	99	109	96	107	109	104
112	109	46	100	108	97	106	107	105
112	108	46	101	107	96	107	106	106
111	107	46	99	107	96	105	106	105
110	109	46	99	107	96	105	105	105
109	108	47	99	107	97	105	104	105
107	109	47	98	106	96	104	104	106
106	109	46	99	105	96	105	103	107
106	109	47	98	105	96	104	102	107
107	106	48	99	106	98	104	102	108
114	113	46	99	106	96	104	102	108
110	112	48	100	106	97	104	114	102
110	110	48	100	105	97	103	111	109
110	111	49	101	105	98	103	109	109
110	112	49	100	105	98	103	106	106
109	112	49	101	104	98	102	106	109
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
1	0	14	54	52	52	52	54
2	0	33	54	52	52	52	53
3	0	51	54	52	52	52	54
4	1	10	54	52	52	52	54
5	1	29	54	52	52	52	54
6	1	47	54	52	53	52	54
7	2	6	54	52	52	52	53
8	2	24	54	52	52	52	54
9	2	43	54	52	52	52	54
10	3	2	54	52	52	52	54
11	3	20	54	52	52	52	54
12	3	39	54	52	52	52	54
13	3	58	54	52	52	52	54
14	4	16	54	52	52	52	54
15	4	35	55	52	52	52	54
16	4	54	54	52	52	52	54
17	5	12	54	52	53	53	54
18	5	31	53	52	52	53	54
19	5	50	54	52	52	52	54
20	6	8	55	52	52	52	55
21	6	27	56	52	53	52	55
22	6	45	58	52	53	52	54
23	7	4	59	52	52	52	54
24	7	23	61	53	53	52	54
25	7	41	62	52	52	52	55
26	8	0	64	53	53	53	54
27	8	19	64	52	52	52	54
28	8	37	65	52	53	52	54
29	8	56	66	52	53	52	54
30	9	14	67	52	52	52	54
31	9	33	70	52	52	52	54
32	9	52	69	52	53	52	54
33	10	10	72	52	[illegible]	52	54
34	10	29	72	52	52	52	54
35	10	48	73	53	53	52	54
36	11	6	73	53	54	53	54
37	11	25	75	52	53	52	54
38	11	43	75	53	53	53	55
39	12	2	76	52	53	52	54
40	12	21	77	53	53	53	54
41	12	39	79	53	53	53	55
42	12	58	80	53	53	52	55
43	13	17	80	52	52	52	55
44	13	35	82	52	53	53	55
45	13	54	82	52	53	52	55

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

5-16 MAIN BOX COOLER OUTLET OIL G.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
52	52	52	54	52	53	40	41	41
52	52	52	53	52	53	41	41	41
52	52	52	54	52	53	40	41	41
52	52	52	54	52	53	40	41	41
52	52	52	54	52	53	41	41	41
52	53	52	54	52	53	40	41	41
52	52	52	53	52	53	41	41	41
52	52	52	54	52	53	40	41	42
52	52	52	54	52	53	40	41	41
52	52	52	54	52	53	40	41	41
52	52	52	54	52	53	40	41	41
52	52	52	54	52	53	40	41	41
52	52	52	54	52	54	40	41	41
52	52	52	54	52	53	40	41	41
52	52	52	54	53	53	40	41	41
52	52	52	54	53	54	41	41	41
52	53	53	54	53	54	41	41	42
52	52	53	54	52	54	40	42	41
52	52	52	54	53	54	40	41	41
52	52	52	55	53	55	40	41	41
52	53	52	55	53	54	41	41	42
52	53	52	54	53	55	40	41	42
52	52	52	54	54	55	41	41	41
53	53	52	54	54	55	40	41	42
52	52	52	55	55	55	40	42	42
53	53	53	54	55	55	41	41	42
52	52	52	54	55	56	40	42	42
52	53	52	54	55	56	41	42	43
52	53	52	54	57	55	40	41	43
52	52	52	54	56	56	40	42	43
52	52	52	54	58	56	40	42	43
53	53	52	54	59	56	41	42	44
52	53	52	54	59	57	41	42	43
52	52	52	54	59	58	41	42	44
53	53	52	54	61	58	41	42	44
53	54	53	54	61	58	41	42	44
52	53	52	54	62	58	40	43	44
53	53	53	55	61	59	40	42	44
53	53	52	54	62	59	41	43	44
53	53	53	54	63	60	40	42	44
53	53	53	55	64	59	41	43	45
53	53	52	55	64	59	41	43	45
52	52	52	55	65	61	41	43	45
53	53	53	55	66	61	41	43	45
52	53	52	55	67	61	41	44	45

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
46	14	12	84	52	53	52	55
47	14	31	84	53	55	52	55
48	14	50	84	54	57	52	55
49	15	8	85	54	58	53	55
50	15	27	86	55	60	53	56
51	15	46	86	55	59	53	56
52	16	4	87	56	64	54	58
53	16	23	88	58	64	55	59
54	16	42	88	59	64	56	60
55	17	0	89	61	65	57	62
56	17	19	88	62	67	59	63
57	17	37	89	65	66	59	64
58	17	56	90	66	69	59	65
59	18	15	09	68	70	61	65
60	18	33	90	69	70	62	65
61	18	52	91	71	70	63	67
62	19	11	91	72	70	62	68
63	19	29	91	73	70	64	68
64	19	48	92	75	70	64	68
65	20	6	92	76	72	64	68
66	20	25	92	78	72	65	68
67	20	44	92	78	71	65	70
68	21	2	92	80	71	65	70
69	21	21	92	81	73	66	70
70	21	39	93	82	73	66	71
71	21	58	94	83	73	67	71
72	22	17	93	83	75	67	72
73	22	35	93	85	73	68	73
74	22	54	93	86	75	68	73
75	23	12	95	86	75	69	72
76	23	31	94	87	76	69	73
77	23	50	95	88	75	69	75
78	24	8	96	89	76	69	75
79	24	27	95	90	76	70	75
80	24	45	95	91	76	70	75
81	25	4	96	91	76	71	76
82	25	23	96	92	78	71	75
83	25	41	97	92	77	71	76
84	26	0	96	93	79	71	77
85	26	18	97	93	79	72	77
86	26	37	97	93	79	73	77
87	26	56	97	94	79	72	78
88	27	14	97	95	79	72	78
89	27	33	97	96	80	73	79
90	27	52	98	96	81	73	78
91	28	10	99	96	81	74	79
92	28	29	98	95	80	74	79
93	28	47	98	95	80	75	79
94	29	6	99	96	79	74	79
95	29	25	98	96	79	74	80

5-16	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
52	53	52	55	67	61	41	43	46
53	55	52	55	67	61	41	43	46
54	57	52	56	68	62	41	43	46
54	58	53	55	67	62	41	43	45
55	60	53	56	67	64	41	44	45
55	59	53	56	68	63	41	43	45
56	64	54	58	70	64	41	43	46
58	64	55	59	70	64	41	44	45
59	64	56	60	71	66	41	44	45
61	65	57	62	73	66	41	44	46
62	67	59	63	74	66	41	44	46
65	66	59	64	74	67	42	44	46
66	69	59	65	75	68	42	44	47
68	70	61	65	75	69	42	44	47
69	70	62	65	77	69	42	44	46
71	70	63	67	76	69	42	45	47
72	70	62	66	78	70	43	44	46
73	70	64	68	78	70	43	45	48
75	70	64	68	79	70	43	45	48
76	72	64	68	78	69	44	45	48
76	72	65	68	80	70	44	45	48
77	71	65	70	79	69	44	46	49
78	71	65	70	80	70	44	46	48
79	73	66	70	79	69	44	46	49
80	73	66	71	80	69	44	46	49
81	73	67	71	80	69	45	46	49
82	75	67	72	81	68	45	46	49
82	73	68	73	81	68	45	46	49
83	75	68	73	81	67	45	46	49
83	75	69	72	82	67	45	46	49
84	76	69	73	82	66	45	47	49
84	75	69	75	82	66	45	47	50
85	76	69	75	82	66	45	47	49
85	76	70	75	82	66	46	48	50
85	76	70	75	83	65	46	47	50
85	76	71	76	83	66	46	48	50
85	78	71	75	82	65	46	48	50
85	77	71	76	83	65	47	48	51
85	79	71	77	85	65	47	48	51
85	79	72	77	83	65	47	48	51
85	79	73	77	83	64	48	49	51
85	79	72	78	83	65	47	49	51
85	78	72	78	83	63	48	49	51
85	80	73	79	83	63	48	49	51
85	81	73	78	84	63	48	49	51
85	81	74	79	85	63	48	49	52
85	80	74	79	85	62	47	49	51
85	80	75	79	86	62	47	49	52
85	79	74	79	85	63	47	48	52
85	79	74	80	85	62	48	51	52

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-15 ACCESS GEAR BOX OIL TEMP DEG.C	S-16 MAIN G.BOX COOLER INLET OIL DEG.C	S-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	S-18 INTER. GEAR BOX OIL TEMP DEG.C	S-19 TAIL GEAR BOX OIL TEMP DEG.C
96	29	43	98	96	79	74	79
97	30	2	98	96	79	74	81
98	30	20	98	97	80	74	80
99	30	39	99	96	80	74	81
100	30	57	99	98	79	75	81
101	31	16	100	97	80	74	81
102	31	35	99	98	79	75	81
103	31	53	100	98	79	75	81
104	32	12	99	98	81	75	82
105	32	30	101	98	81	75	82
106	32	49	100	98	80	75	82
107	33	8	100	98	81	75	82
108	33	26	101	98	81	75	83
109	33	45	100	99	80	75	82
110	34	3	102	99	81	75	83
111	34	22	101	100	81	75	83
112	34	40	100	99	80	75	83
113	34	59	101	99	81	75	83
114	35	18	101	99	81	76	84
115	35	36	102	100	80	76	83
116	35	55	102	99	80	76	84
117	36	13	102	100	81	75	84
118	36	32	102	100	81	75	83
119	36	50	101	99	81	76	84
120	37	9	101	99	81	75	84
121	37	28	101	100	80	75	84
122	37	46	101	101	81	76	85
123	38	5	102	100	81	75	85
124	38	23	102	101	82	76	85
125	38	42	102	100	82	77	85
126	39	1	103	100	80	77	85
127	39	19	102	100	81	76	85
128	39	38	101	99	81	76	86
129	39	56	102	99	80	76	85
130	40	15	102	100	81	76	86
131	40	33	101	99	80	75	85
132	40	52	102	100	80	76	86
133	41	11	102	99	79	75	85
134	41	29	103	99	79	76	85
135	41	48	103	100	80	75	86
136	42	6	102	101	80	75	86
137	42	25	103	100	80	76	86
138	42	43	103	100	80	75	87
139	43	2	102	100	80	76	86
140	43	21	103	100	80	76	86
141	43	39	103	99	80	75	86
142	43	58	103	101	81	75	87
143	44	16	103	100	80	75	87
144	44	35	103	101	81	76	86
145	44	53	102	100	80	76	8[illegible]

-16 AIN BOX LER LET OIL G.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
86	79	74	79	85	61	48	49	52
5	79	74	81	85	61	48	49	52
7	80	74	80	85	61	48	49	52
6	80	74	81	85	61	48	49	52
98	79	75	81	85	61	48	49	52
97	80	74	81	85	60	48	49	53
98	79	75	81	85	61	48	50	53
98	79	75	81	85	61	48	49	53
98	81	75	82	86	59	48	49	53
98	81	75	82	86	59	49	50	53
98	80	75	82	85	59	49	50	54
98	81	75	82	85	60	49	50	53
98	81	75	83	85	59	49	50	53
99	80	75	82	85	59	49	50	54
99	81	75	83	86	59	49	50	53
0	81	75	83	85	58	49	51	54
99	80	75	83	85	58	49	50	54
99	81	75	83	85	58	49	51	55
9	81	76	84	85	58	49	50	54
0	80	76	83	86	58	49	50	54
0	80	76	84	86	58	49	51	54
0	81	75	84	85	58	49	51	54
0	81	75	83	85	57	49	51	54
9	81	76	84	85	57	49	51	54
9	81	75	84	85	56	50	51	54
1	80	75	84	85	57	49	51	54
1	81	76	85	85	56	49	51	54
1	81	75	85	85	56	49	51	55
1	82	76	85	86	56	50	51	54
1	82	77	85	86	56	49	51	55
1	80	77	85	86	56	49	51	54
1	81	76	85	87	56	49	51	55
1	81	76	86	86	55	50	52	55
1	80	76	85	86	55	50	51	55
1	81	76	86	86	55	50	51	55
1	80	75	85	86	55	50	52	55
1	80	76	86	85	56	50	51	55
1	79	75	85	86	55	50	51	55
1	79	76	85	86	55	50	51	55
1	80	75	86	86	54	51	52	55
1	80	75	86	86	55	50	51	55
1	80	76	86	87	55	50	52	55
1	80	75	87	86	55	51	52	55
1	80	76	86	85	54	51	52	56
1	80	76	86	86	54	51	52	56
1	80	75	86	86	54	51	52	56
1	81	75	87	86	54	51	52	56
1	80	75	87	85	54	51	52	55
1	81	76	86	86	55	51	52	56
1	80	76	8	85	54	51	52	56

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-15 ACCESS GEAR BOX OIL TEMP DEG.C	S-16 MAIN G.BOX COOLER INLET OIL DEG.C	S-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	S-18 INTER. GEAR BOX OIL TEMP DEG.C	S-19 TAIL GEAR BOX OIL TEMP DEG.C
146	45	12	103	100	80	76	87
147	45	31	103	101	80	75	86
148	45	49	103	101	81	76	87
149	46	8	102	100	81	76	87
150	46	26	103	101	80	76	87
151	46	45	103	101	80	75	87
152	47	3	103	101	80	75	87
153	47	22	103	100	80	76	88
154	47	41	103	100	82	76	88
155	47	59	103	99	81	76	88
156	48	18	104	99	79	75	88
157	48	36	103	99	80	76	88
158	48	55	103	99	79	75	88
159	49	14	103	99	79	76	88
160	49	32	103	98	79	75	88
161	49	51	103	99	80	76	88
162	50	9	103	100	79	75	89
163	50	28	103	99	80	75	88
164	50	39	103	100	79	75	88
165	51	5	103	100	80	76	88
166	51	24	103	100	79	76	88
167	51	42	103	100	79	75	88
168	52	1	103	100	79	75	89
169	52	19	104	99	80	76	88
170	52	38	103	100	79	76	89
171	52	56	103	100	79	75	88
172	53	15	103	101	78	75	89
173	53	34	103	100	79	75	89
174	53	52	103	100	79	75	89
175	54	11	103	100	78	75	89
176	54	29	103	99	81	75	89
177	54	48	103	100	79	75	88
178	55	6	103	99	79	75	88
179	55	25	103	100	79	75	89
180	55	44	103	99	78	75	88
181	56	2	103	100	80	76	88
182	56	21	103	100	79	75	88
183	56	39	103	100	79	75	88
184	56	58	103	100	79	75	88
185	57	16	103	100	79	75	88
186	57	35	103	100	79	75	88
187	57	54	103	100	78	75	89
188	58	12	103	100	79	75	89
189	58	31	102	100	80	75	88
190	58	49	103	100	79	75	88
191	59	8	103	100	80	75	88
192	59	26	103	100	80	75	89
193	59	45	103	100	79	74	88
194	60	4	103	100	79	75	89
195	60	22	103	100	78	74	88

5-16 MAIN BOX LER LET OIL G.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
00	80	76	87	85	54	51	52	56
01	80	75	86	86	54	51	52	56
01	81	76	87	85	54	51	52	56
00	81	76	87	85	54	51	52	56
01	80	76	87	86	53	51	52	56
01	80	75	87	86	54	51	52	56
01	80	75	87	85	54	51	52	56
00	80	76	88	85	53	51	53	56
00	82	76	88	86	53	51	52	56
99	81	76	88	86	53	51	52	56
99	79	75	88	86	54	51	53	56
99	80	76	88	86	53	51	52	56
99	79	75	88	85	53	51	52	56
99	79	76	88	86	53	51	52	56
98	79	75	88	85	52	51	53	56
99	80	76	88	85	52	51	53	56
00	79	75	89	86	53	51	53	56
99	80	75	88	86	53	51	53	57
00	79	75	88	85	53	51	52	57
00	80	76	88	86	52	52	52	57
00	79	76	88	86	52	52	52	57
00	79	75	88	85	52	51	52	57
00	79	75	89	85	52	51	53	56
99	80	76	88	85	52	51	52	57
00	79	76	89	85	52	51	52	57
00	79	75	88	86	52	51	53	57
01	78	75	89	85	52	51	53	58
00	79	75	89	85	52	51	53	56
00	79	75	89	86	52	51	53	56
00	78	75	89	85	52	51	53	57
00	81	75	89	86	52	51	53	57
00	79	75	88	85	52	51	52	57
00	79	75	88	85	51	51	53	58
00	79	75	89	85	52	52	53	56
99	78	75	88	86	52	51	53	57
00	80	76	88	85	52	51	53	58
00	79	75	88	85	52	51	52	56
00	79	75	88	86	52	51	53	56
00	79	75	88	85	51	51	53	57
00	79	75	88	85	51	52	53	57
00	79	75	88	85	51	52	53	58
00	78	75	89	85	52	51	54	58
00	79	75	89	85	51	52	53	58
00	80	75	88	85	51	52	54	57
00	79	75	88	85	52	52	53	57
00	80	75	88	85	52	51	53	58
00	80	75	89	86	51	51	54	57
00	79	74	88	86	51	51	54	58
00	79	75	89	85	51	51	54	58
00	78	74	88	85	52	51	54	58

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
196	60	41	104	100	79	75	89
197	60	59	103	101	79	75	88
198	61	18	103	101	80	74	88
199	61	36	103	100	79	73	88
200	61	55	103	100	79	75	88
201	62	14	103	100	80	73	89
202	62	32	103	100	79	74	88
203	62	51	103	100	81	75	88
204	63	9	103	99	81	75	88
205	63	28	103	99	81	75	88
206	63	46	103	99	78	75	88
207	64	5	103	99	79	74	89
208	64	24	103	100	79	75	88
209	64	42	103	101	81	74	89
210	65	1	103	101	82	74	88
211	65	19	103	100	82	75	89
212	65	38	103	100	81	75	88
213	65	56	103	99	81	75	88
214	66	15	103	99	80	76	88
215	66	34	104	98	81	76	89
216	66	52	103	98	81	76	90
217	67	11	104	98	82	76	89
218	67	29	104	97	82	76	88
219	67	48	105	96	83	77	88
220	68	6	105	96	83	77	87
221	68	25	107	95	82	76	86
222	68	44	107	96	82	76	86
223	69	2	107	96	83	76	86
224	69	21	108	94	83	76	85
225	69	39	109	95	83	76	85
226	69	58	109	94	85	76	85
227	70	16	110	94	86	75	86
228	70	35	110	94	85	75	85
229	70	53	111	94	86	75	85
230	71	12	112	93	87	75	85
231	71	31	112	93	87	75	85
232	71	49	112	93	86	75	83
233	72	8	108	93	86	74	83
234	72	26	106	93	86	74	83
235	*	*	*	*	*	*	*

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46 IN OX ER ET IL C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
0	79	75	89	85	51	51	54	58
1	79	75	88	84	52	52	54	57
1	80	74	88	85	52	51	54	58
0	79	73	88	85	51	51	54	57
0	79	75	88	85	51	51	53	58
8	81	73	89	85	51	51	53	58
0	79	74	88	85	51	51	54	58
0	81	75	88	85	51	52	54	58
9	81	75	88	85	51	51	54	58
9	81	75	88	86	51	51	54	59
9	78	75	88	86	51	51	54	58
9	79	74	89	86	51	51	54	58
0	79	75	88	85	51	52	53	59
1	81	74	89	85	50	51	54	58
1	82	74	88	86	51	52	54	58
0	82	75	89	86	51	52	54	58
0	81	75	88	86	51	51	54	58
9	81	75	88	86	51	51	53	58
9	80	76	88	87	51	52	52	57
8	81	76	89	87	51	51	53	56
8	81	76	90	88	51	52	53	56
8	82	76	89	88	51	52	52	56
7	82	76	88	89	52	52	52	56
6	83	77	88	89	53	51	52	55
6	83	77	87	89	52	51	52	55
5	82	76	86	90	52	51	52	55
6	82	76	86	89	53	51	52	55
6	83	76	86	91	52	51	52	55
4	83	76	85	91	53	51	51	55
5	83	76	85	91	52	51	51	55
5	85	76	85	92	53	51	51	55
4	86	75	86	92	52	51	51	55
4	85	75	85	92	52	51	52	55
4	86	75	85	92	53	51	51	54
3	87	75	85	94	54	51	52	54
3	87	75	85	93	54	50	51	54
3	86	75	83	94	54	51	51	54
3	86	74	83	95	55	51	52	54
3	86	74	83	95	55	51	51	54
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	S-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	S-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	S-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	S-29 GEN.2 MASS TEMP DEG.C
1	0	14	40	41	41	34	52
2	0	33	40	40	41	34	52
3	0	51	40	40	41	34	52
4	1	10	40	41	41	34	52
5	1	29	40	41	41	34	52
6	1	47	40	41	41	34	52
7	2	6	39	41	41	34	52
8	2	24	39	41	41	34	52
9	2	43	40	40	41	34	52
10	3	2	40	40	41	34	52
11	3	20	40	41	41	34	52
12	3	39	39	41	41	34	52
13	3	58	40	41	41	34	52
14	4	16	40	41	41	34	52
15	4	35	40	41	41	34	53
16	4	54	40	41	41	35	52
17	5	12	40	41	41	34	52
18	5	31	41	41	42	34	54
19	5	50	40	41	40	34	55
20	6	8	39	41	42	34	55
21	6	27	40	41	41	34	55
22	6	45	40	41	42	34	56
23	7	4	41	41	43	34	57
24	7	23	41	42	43	34	58
25	7	41	41	42	43	34	59
26	8	0	41	42	43	34	59
27	8	19	42	42	44	34	60
28	8	37	42	43	44	34	60
29	8	56	41	42	44	34	62
30	9	14	42	42	45	34	62
31	9	33	42	43	45	34	63
32	9	52	42	43	44	34	63
33	10	10	42	44	45	34	63
34	10	29	42	43	47	34	64
35	10	48	43	44	45	34	65
36	11	6	43	44	46	34	66
37	11	25	44	44	45	34	66
38	11	43	43	44	46	34	66
39	12	2	44	44	45	34	67
40	12	21	44	44	46	34	69
41	12	39	44	45	46	34	69
42	12	58	44	44	48	34	70
43	13	17	45	45	46	34	70
44	13	35	45	45	47	34	72
45	13	54	45	45	47	34	71

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	S-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	S-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	S-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	S-29 GEN.2 MASS TEMP DEG.C
46	14	12	45	45	48	34	73
47	14	31	45	45	47	34	72
48	14	50	45	45	46	34	73
49	15	8	45	45	48	34	74
50	15	27	45	45	49	34	75
51	15	46	45	46	49	34	76
52	16	4	46	46	48	34	75
53	16	23	46	45	49	34	76
54	16	42	46	46	49	34	76
55	17	0	46	46	48	34	77
56	17	19	46	46	49	34	77
57	17	37	46	46	51	34	79
58	17	56	48	47	49	34	80
59	18	15	47	48	49	34	79
60	18	33	48	47	51	34	80
61	18	52	47	48	52	34	80
62	19	11	48	48	51	34	82
63	19	29	48	48	52	35	81
64	19	48	48	49	52	34	82
65	20	6	48	48	52	34	82
66	20	25	48	48	51	34	82
67	20	44	48	48	52	34	82
68	21	2	49	49	52	34	83
69	21	21	49	49	52	34	82
70	21	39	49	49	51	34	82
71	21	58	49	49	53	34	82
72	22	17	49	49	54	34	82
73	22	35	49	50	54	34	84
74	22	54	50	50	54	34	83
75	23	12	50	50	55	34	83
76	23	31	49	51	53	34	83
77	23	50	51	51	54	34	84
78	24	8	51	51	54	34	83
79	24	27	51	51	55	34	83
80	24	45	51	51	54	34	84
81	25	4	51	51	55	34	85
82	25	23	51	51	56	34	85
83	25	41	52	51	55	34	85
84	26	0	52	52	54	35	85
85	26	18	52	53	56	34	85
86	26	37	52	53	56	34	85
87	26	56	52	52	56	34	86
88	27	14	52	53	55	34	85
89	27	33	53	53	55	34	86
90	27	52	52	53	56	34	85
91	28	10	52	53	55	34	86
92	28	29	53	53	56	34	86
93	28	47	53	54	55	34	86
94	29	6	53	54	55	34	87
95	29	25	53	54	55	34	87

1930

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
96	29	43	54	54	56	34	86
97	30	2	54	55	55	34	88
98	30	20	54	55	55	34	87
99	30	39	54	54	56	34	86
100	30	57	55	55	57	34	87
101	31	16	54	55	56	34	86
102	31	35	54	55	55	34	86
103	31	53	55	56	55	34	86
104	32	12	55	55	56	35	86
105	32	30	55	55	58	35	86
106	32	49	55	56	58	35	86
107	33	8	55	55	58	35	87
108	33	26	56	55	56	34	87
109	33	45	56	56	58	34	87
110	34	3	56	56	57	34	86
111	34	22	56	56	57	35	86
112	34	40	58	56	58	35	86
113	34	59	56	56	59	35	87
114	35	18	57	55	58	35	87
115	35	36	56	56	58	34	87
116	35	55	57	56	58	35	87
117	36	13	56	56	59	35	87
118	36	32	57	56	60	35	88
119	36	50	57	57	58	35	87
120	37	9	57	57	57	35	88
121	37	28	57	57	58	35	86
122	37	46	58	57	59	35	86
123	38	5	57	57	59	35	86
124	38	23	57	57	59	35	88
125	38	42	58	58	61	35	88
126	39	1	59	58	58	35	89
127	39	19	58	59	56	35	89
128	39	38	59	59	56	36	88
129	39	56	59	59	58	35	88
130	40	15	59	59	58	35	88
131	40	33	59	59	58	35	87
132	40	52	59	59	57	35	87
133	41	11	59	59	58	35	88
134	41	29	59	58	58	35	88
135	41	48	59	59	58	35	88
136	42	6	59	59	59	35	88
137	42	25	59	59	59	35	87
138	42	43	59	59	60	35	87
139	43	2	59	60	59	36	87
140	43	21	59	59	59	36	86
141	43	39	61	59	59	36	87
142	43	58	59	60	59	35	87
143	44	16	61	59	61	34	87
144	44	35	60	60	58	35	87
145	44	53	59	60	59	35	87

1491

-01 SWEEP COUNT	S-02 TIME MIN.	S-03 TIME SEC.	S-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	S-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	S-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	S-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	S-29 GEN.2 MASS TEMP DEG.C
146	45	12	59	59	60	36	88
147	45	31	60	59	60	35	87
148	45	49	61	59	61	36	87
149	46	8	61	61	60	36	86
150	46	26	61	60	59	35	88
151	46	45	61	60	61	36	87
152	47	3	60	60	60	35	88
153	47	22	60	60	60	35	87
154	47	41	60	60	62	36	87
155	47	59	61	61	62	35	87
156	48	18	61	61	61	35	87
157	48	36	61	61	59	35	88
158	48	55	61	61	59	36	87
159	49	14	61	61	61	35	87
160	49	32	62	61	61	35	87
161	49	51	61	61	62	36	86
162	50	9	62	60	62	35	88
163	50	28	61	60	62	36	87
164	50	39	61	59	62	35	88
165	51	5	62	60	62	35	88
166	51	24	62	61	62	35	88
167	51	42	61	60	62	35	87
168	52	1	61	59	62	36	87
169	52	19	62	61	62	36	88
170	52	38	62	61	62	35	87
171	52	56	62	61	61	36	86
172	53	15	62	61	64	35	86
173	53	34	62	61	61	36	87
174	53	52	62	61	62	35	87
175	54	11	62	61	62	35	86
176	54	29	62	61	62	35	87
177	54	48	62	62	60	36	87
178	55	6	62	62	59	35	87
179	55	25	62	62	59	36	87
180	55	44	63	61	62	35	86
181	56	2	62	62	59	36	86
182	56	21	62	62	61	36	87
183	56	39	62	61	62	36	87
184	56	58	62	61	63	36	87
185	57	16	62	62	61	36	86
186	57	35	63	62	62	36	86
187	57	54	64	63	58	36	86
188	58	12	63	61	61	36	86
189	58	31	63	62	62	37	87
190	58	49	64	62	61	36	86
191	59	8	63	62	62	38	85
192	59	26	63	61	62	37	86
193	59	45	64	62	62	38	86
194	60	4	64	62	61	37	86
195	60	22	64	63	60	38	8

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L,MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
196	60	41	64	63	61	37	86
197	60	59	64	63	62	38	87
198	61	18	64	62	64	37	86
199	61	36	64	62	63	37	86
200	61	55	64	63	60	37	86
201	62	14	63	62	62	37	86
202	62	32	64	62	63	37	86
203	62	51	64	63	64	37	86
204	63	9	64	64	64	37	87
205	63	28	64	64	64	37	86
206	63	46	64	64	59	37	87
207	64	5	63	64	58	37	87
208	64	24	62	64	59	38	87
209	64	42	63	63	61	38	86
210	65	1	63	64	63	38	87
211	65	19	64	64	63	38	88
212	65	38	63	64	62	38	87
213	65	56	63	64	59	38	88
214	66	15	64	64	57	38	88
215	66	34	65	64	57	38	88
216	66	52	64	64	56	38	90
217	67	11	64	64	56	38	88
218	67	29	64	64	56	38	88
219	67	48	64	64	56	38	89
220	68	6	64	64	56	38	90
221	68	25	65	64	55	38	89
222	68	44	65	64	55	37	89
223	69	2	65	64	55	37	91
224	69	21	64	64	55	38	91
225	69	39	65	64	54	38	91
226	69	58	65	62	54	38	91
227	70	16	63	61	55	37	92
228	70	35	62	61	54	38	92
229	70	53	62	60	55	38	93
230	71	12	63	59	55	37	93
231	71	31	62	60	55	38	93
232	71	49	62	59	55	38	93
233	72	8	62	59	55	38	94
234	72	26	63	58	54	37	95
235	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
1	0	16	51	51	51	54	50
2	0	35	51	52	51	55	51
3	0	54	51	51	51	54	51
4	1	12	51	51	50	54	51
5	1	31	51	51	51	54	50
6	1	49	51	51	50	54	50
7	2	8	51	51	51	54	51
8	2	27	51	51	51	54	50
9	2	45	51	51	51	54	50
10	3	4	51	51	51	54	50
11	3	23	51	51	50	54	50
12	3	41	51	50	51	54	50
13	4	0	51	51	50	54	50
14	4	19	51	51	50	54	50
15	4	37	51	51	50	54	50
16	4	56	50	51	51	54	50
17	5	15	50	51	51	54	50
18	5	33	50	51	50	53	50
19	5	52	50	50	50	54	49
20	6	10	50	51	51	53	49
21	6	29	50	52	51	53	49
22	6	48	49	51	51	54	50
23	7	6	49	52	50	53	49
24	7	25	49	51	50	53	49
25	7	44	49	52	50	53	49
26	8	2	49	52	51	52	49
27	8	21	50	52	50	53	49
28	8	39	50	51	50	53	49
29	8	58	49	51	51	53	49
30	9	17	50	49	49	52	49
31	*	*	49	52	50	52	49
32	9	54	49	51	49	52	48
33	10	13	49	52	49	51	49
34	*	*	49	51	49	52	49
35	10	50	49	52	51	52	49
36	11	9	49	51	50	52	48
37	11	27	49	52	49	52	49
38	11	46	50	51	50	52	48
39	12	4	49	52	50	52	49
40	12	23	49	50	50	52	48
41	12	42	48	51	49	52	48
42	13	0	50	50	50	51	48
43	13	19	52	51	50	52	48
44	13	37	54	51	49	52	48

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

6-06 ENG.2 FUEL CTRL INLET EMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
51	51	54	50	50	51	51	56	55
52	51	55	51	50	51	51	56	55
51	51	54	51	51	51	51	56	55
51	50	54	51	51	51	51	56	55
51	51	54	50	51	51	51	56	55
51	50	54	50	51	51	51	56	55
51	51	54	51	50	51	51	56	55
51	51	54	50	50	51	51	56	55
51	51	54	50	50	51	51	56	55
51	51	54	50	50	51	51	56	55
51	50	54	50	50	51	51	55	55
50	51	54	50	50	51	51	55	55
51	50	54	50	50	51	51	55	55
51	50	54	50	50	51	51	55	55
51	50	54	50	50	51	51	55	55
51	51	54	50	49	51	51	55	55
51	51	54	50	49	51	51	55	55
51	50	53	50	49	51	51	54	54
50	50	54	49	49	51	51	54	55
51	51	53	49	49	51	51	54	54
52	51	53	49	49	51	51	54	55
51	51	54	50	49	51	51	54	54
52	50	53	49	49	51	51	54	55
51	50	53	49	49	51	51	54	55
52	50	53	49	49	51	51	54	54
52	51	52	49	49	51	51	55	55
52	50	53	49	49	51	51	54	54
51	50	53	49	49	51	51	55	55
51	51	53	49	49	51	51	54	55
49	49	52	49	48	51	52	55	55
52	50	52	49	49	51	51	55	54
51	49	52	48	48	51	51	55	54
52	49	51	49	49	51	51	55	55
51	49	52	49	48	51	51	55	54
52	51	52	49	49	51	51	55	54
51	50	52	48	48	51	51	55	55
52	49	52	49	48	51	52	55	55
51	50	52	48	48	51	51	55	54
52	50	52	49	49	51	52	55	54
52	50	52	48	48	51	51	55	53
51	49	52	48	48	51	51	55	54
50	50	51	48	48	51	51	56	55
51	50	52	48	48	51	52	58	56
51	49	52	48	48	51	52	57	57
52	47	52	49	48	51	52	59	57

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
46	14	15	56	50	44	52	48
47	14	33	56	51	43	53	49
48	14	52	57	51	42	52	48
49	15	11	58	51	41	53	48
50	15	29	59	51	41	53	48
51	15	48	59	50	40	54	49
52	16	7	59	52	39	55	49
53	*	*	58	52	39	55	49
54	16	44	59	51	38	56	49
55	17	2	59	51	38	57	49
56	17	21	59	55	39	58	49
57	17	40	59	57	38	60	50
58	17	58	60	60	38	61	49
59	18	17	61	61	39	62	51
60	18	36	62	60	40	63	51
61	18	54	62	62	39	65	51
62	19	13	60	58	38	65	51
63	19	31	60	56	37	66	52
64	19	50	60	56	38	67	52
65	20	9	59	54	36	68	52
66	20	27	59	55	38	68	53
67	20	46	59	54	38	69	53
68	21	4	59	54	37	71	53
69	21	23	60	55	36	71	54
70	21	42	59	53	36	72	54
71	22	0	59	55	37	72	54
72	22	19	58	54	37	73	55
73	22	37	58	56	38	74	55
74	22	56	57	55	38	75	55
75	23	15	58	55	37	75	55
76	23	33	59	54	38	75	55
77	23	52	58	55	37	76	56
78	24	11	59	55	37	77	56
79	24	29	58	54	36	79	56
80	24	48	58	53	37	78	57
81	25	6	58	55	37	78	57
82	25	25	57	54	37	80	58
83	25	44	58	55	37	80	58
84	26	2	58	54	38	81	58
85	26	21	58	56	38	81	59
86	26	39	58	54	38	82	58
87	26	58	58	56	38	82	59
88	27	17	57	55	38	82	59
89	27	35	58	54	37	82	59
90	27	54	59	58	39	83	59
91	28	12	59	59	39	83	59
92	28	31	59	61	37	83	60
93	28	50	56	61	36	83	60
94	29	8	58	60	36	83	60
[illegible]	[illegible]	[illegible]	[illegible]	62	36	83	61

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06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
EL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
RL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
ET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
MP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
0	44	52	48	48	51	51	59	58
1	43	53	49	48	51	52	60	58
1	42	52	48	49	51	51	62	59
1	41	53	48	49	51	52	63	60
1	41	53	48	49	51	51	65	61
0	40	54	49	49	51	53	66	62
2	39	55	49	49	51	55	67	65
	39	55	49	50	51	58	68	65
	38	56	49	50	51	55	66	64
	38	57	49	51	51	52	66	65
5	39	58	49	50	51	55	66	65
7	38	60	50	51	51	59	66	66
0	38	61	49	52	51	60	67	66
	39	62	51	52	52	61	67	67
	40	63	51	52	52	62	67	67
	39	65	51	52	52	63	67	68
8	38	65	51	53	52	63	65	65
6	37	66	52	53	54	63	64	63
6	38	67	52	53	54	64	62	62
	36	68	52	54	54	63	61	62
	38	68	53	54	53	64	60	61
	38	69	53	54	54	64	60	60
	37	71	53	55	54	64	59	60
5	36	71	54	55	54	64	59	59
3	36	72	54	55	54	65	59	59
	37	72	54	55	55	65	58	59
	37	73	55	55	55	65	58	59
	38	74	55	55	55	64	59	59
	38	75	55	55	55	63	58	58
	37	75	55	56	56	64	57	58
	38	75	55	56	56	65	57	58
	37	76	56	56	55	64	57	57
	37	77	56	57	56	64	56	57
	36	79	56	56	56	64	56	58
	37	78	57	57	56	64	56	56
	37	78	57	57	57	64	56	56
	37	80	58	57	56	65	56	56
	37	80	58	57	58	65	56	56
	38	81	58	58	58	65	56	55
	38	81	59	58	58	64	56	56
	38	82	58	58	59	64	56	56
	38	82	59	58	59	64	56	56
	38	82	59	59	59	65	56	55
	37	82	59	59	59	64	55	56
	39	83	59	59	59	66	58	58
	39	83	59	59	59	67	59	59
	37	83	60	59	59	65	57	56
	36	83	60	59	59	64	56	55
	36	83	60	59	60	64	55	55
	36	83	61	59	59	63	54	55

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-0 ENG. LOR ISOL MN AFT I DEG.
96	29	45	57	61	37	85	61
97	30	4	55	61	37	84	61
98	30	23	55	62	37	84	61
99	30	41	55	63	37	85	61
100	31	0	55	62	36	86	61
101	31	18	55	61	36	85	61
102	31	37	55	63	36	85	62
103	31	55	55	63	37	86	62
104	32	14	55	63	36	87	62
105	32	33	55	62	37	87	62
106	32	51	55	61	37	86	62
107	33	10	55	62	37	87	62
108	33	28	55	63	38	87	63
109	33	47	55	63	36	87	63
110	34	6	55	62	36	88	63
111	34	24	55	61	36	88	63
112	34	43	55	61	37	89	63
113	35	1	56	62	37	89	63
114	35	20	55	63	36	89	63
115	35	38	54	63	38	88	64
116	35	57	55	63	37	89	63
117	36	16	55	63	37	89	64
118	36	34	55	63	37	88	64
119	36	53	55	61	37	89	64
120	37	11	55	63	36	89	64
121	37	30	55	61	36	90	64
122	37	48	55	63	37	89	64
123	38	7	55	61	37	90	64
124	38	26	57	61	39	90	64
125	38	44	59	59	39	91	64
126	39	3	60	56	40	89	64
127	39	21	59	53	40	89	64
128	39	40	59	54	40	89	64
129	39	59	60	53	39	89	64
130	40	17	60	51	39	88	65
131	40	36	60	54	39	88	64
132	40	54	61	53	40	88	64
133	41	13	51	51	39	86	64
134	41	31	61	53	39	87	65
135	41	50	61	51	39	86	64
136	42	9	62	51	39	86	64
137	42	27	62	52	40	87	64
138	42	46	62	51	39	85	64
139	43	4	62	53	41	85	64
140	43	23	62	52	39	85	64
141	43	41	62	52	40	84	64
142	44	0	62	51	39	84	64
143	44	19	62	51	39	85	64
144	44	37	62	51	39	82	64
145	44	56	62	52	40	83	64

6-06 ENG.2 FUEL CNTRL INLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.90 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
61	37	85	61	59	60	64	54	54
61	37	84	61	60	61	62	54	55
62	37	84	61	59	60	63	54	54
63	37	85	61	60	60	63	54	54
62	36	86	61	60	61	63	53	55
61	36	85	61	61	61	62	54	54
63	36	85	62	61	61	62	54	54
63	37	86	62	61	61	62	54	54
63	36	87	62	61	62	63	54	53
62	37	87	62	61	62	62	54	54
61	37	86	62	61	62	62	54	53
62	37	87	62	61	62	63	54	54
63	38	87	63	61	62	62	53	54
63	36	87	63	61	62	61	54	53
62	36	88	63	61	62	62	53	53
61	36	88	63	61	62	62	53	54
61	37	89	63	62	62	61	53	53
62	37	89	63	61	62	62	53	53
63	36	89	63	62	62	62	53	53
63	38	88	64	62	62	62	53	54
63	37	89	63	62	62	62	53	53
63	37	89	64	61	63	61	54	52
63	37	88	64	62	63	62	52	52
61	37	89	64	62	62	61	53	52
63	36	89	64	62	62	60	53	53
61	36	90	64	62	63	61	53	52
62	37	89	64	62	63	62	53	52
61	37	90	64	62	63	61	52	52
61	39	90	64	62	62	62	55	55
59	39	91	64	62	63	62	55	54
56	40	89	64	62	64	61	54	53
53	40	89	64	63	64	61	53	53
54	40	89	64	63	64	61	53	52
53	39	89	64	63	64	62	53	52
51	39	88	65	62	64	62	53	52
54	39	88	64	62	64	62	52	52
53	40	88	64	62	64	62	52	53
51	39	86	64	62	64	62	52	52
53	39	87	64	62	64	62	52	52
51	39	86	64	63	64	62	53	52
51	39	86	64	62	64	62	52	52
52	40	87	64	63	64	63	52	52
51	39	85	64	62	64	61	52	53
53	41	85	64	63	65	62	52	52
52	39	85	64	63	65	62	52	52
52	40	84	64	63	65	63	52	52
51	39	84	64	62	65	62	52	52
51	39	85	63	63	65	62	52	52
51	39	82	64	63	65	62	52	52
52	40	83	64	62	65	63	52	51

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORO ISOL. MNT AFT IN DEG.C
146	45	14	62	52	39	82	63
147	45	33	61	51	40	82	63
148	45	51	63	51	40	82	63
149	46	10	63	52	41	82	63
150	46	29	63	51	39	82	63
151	46	47	62	52	40	81	63
152	47	6	62	51	39	81	63
153	47	24	62	53	40	81	63
154	47	43	64	55	40	81	63
155	48	1	64	55	40	80	62
156	48	20	63	51	40	80	63
157	48	39	64	52	40	80	63
158	48	57	64	52	41	79	63
159	49	16	65	50	41	79	63
160	49	34	64	51	41	79	63
161	49	53	64	52	41	79	62
162	50	12	65	52	41	78	62
163	50	30	64	51	40	78	63
164	50	49	65	50	40	78	62
165	51	7	66	50	41	76	62
166	51	26	65	51	41	77	62
167	51	44	66	51	41	75	62
168	52	3	65	51	41	76	62
169	52	22	65	50	41	76	62
170	52	40	66	51	41	76	62
171	52	59	65	51	41	75	62
172	53	17	65	51	40	75	62
173	53	36	67	50	40	73	62
174	53	54	66	52	41	74	62
175	54	13	66	49	40	74	62
176	54	32	63	54	39	74	62
177	54	50	59	57	38	74	62
178	55	9	57	59	37	73	62
179	55	27	57	59	37	73	62
180	55	46	55	63	36	74	62
181	56	4	55	62	37	74	62
182	56	23	55	63	37	75	62
183	56	42	55	64	37	75	62
184	57	0	55	63	37	75	62
185	57	19	55	64	37	76	62
186	57	37	54	65	37	75	62
187	57	56	54	66	37	76	62
188	58	14	53	65	37	77	62
189	58	33	54	66	38	78	62
190	58	52	53	68	37	78	62
191	59	10	54	66	36	79	62
192	59	29	54	66	38	79	32
193	59	47	54	68	37	79	62
194	60	6	54	66	37	79	62
[illegible]	[illegible]	24	[illegible]	[illegible]	36	80	62

1437

6-06 G.2 UEL TRL LET EMP G.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
32	39	82	63	62	66	62	52	52
31	40	82	63	62	65	62	52	52
31	40	82	63	63	66	63	52	51
32	41	82	63	62	65	62	52	52
31	39	82	63	62	65	61	52	52
32	40	81	63	63	66	63	52	52
31	39	81	63	62	66	63	52	52
33	40	81	63	62	66	63	52	51
35	40	81	63	63	65	62	54	53
35	40	80	62	62	65	62	53	52
31	40	80	63	62	66	62	53	52
32	40	80	63	63	66	61	52	52
32	41	79	63	63	66	61	52	52
30	41	79	63	62	66	61	52	52
31	41	79	63	62	66	61	52	51
32	41	79	62	62	66	61	52	52
32	41	78	62	62	66	61	52	51
31	40	78	63	62	67	61	52	51
30	40	78	62	63	66	61	52	52
32	41	76	62	62	66	62	52	52
32	41	77	62	62	67	62	52	52
31	41	75	62	62	67	61	52	51
31	41	76	62	62	67	62	52	51
30	41	76	62	62	67	61	52	51
31	41	76	62	62	67	61	52	51
31	41	75	62	62	67	62	52	51
31	40	75	62	62	67	62	52	51
32	40	73	62	62	67	61	52	51
32	41	74	62	61	68	62	51	51
33	40	74	62	61	68	61	51	51
34	39	74	62	62	67	62	52	52
34	38	74	62	61	67	61	51	51
34	37	73	62	62	67	61	51	50
34	37	73	62	62	68	61	50	49
34	36	74	62	62	67	60	50	50
34	37	74	62	61	67	60	51	51
34	37	75	62	61	68	60	50	51
34	37	75	62	61	68	60	50	51
34	37	75	62	61	67	60	50	51
34	37	76	62	61	68	59	50	50
34	37	75	62	62	68	59	50	51
34	37	76	62	61	68	59	50	49
34	37	77	62	62	68	60	49	50
34	38	73	62	62	67	60	50	51
34	37	78	62	62	66	59	50	50
34	36	79	62	62	68	59	50	50
34	38	79	62	62	67	59	51	50
34	37	79	62	61	67	59	50	50
34	37	79	62	61	67	59	50	49
34	36	80	62	62	67	59	50	50

2

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORC ISOL. MNT AFT IN DEG.C
196	60	43	54	69	38	81	63
197	61	2	54	67	37	81	63
198	61	20	54	66	39	81	62
199	61	39	54	67	38	81	63
200	61	57	54	68	39	82	63
201	62	16	54	67	38	83	62
202	62	34	55	68	39	84	63
203	62	53	56	69	40	86	63
204	63	12	58	66	41	87	62
205	63	30	59	64	40	89	63
206	63	49	56	59	39	89	63
207	64	7	56	56	39	90	63
208	64	26	56	55	39	90	63
209	64	44	58	58	41	92	63
210	65	3	58	61	42	94	62
211	65	22	59	60	41	94	63
212	65	40	59	62	41	93	63
213	65	59	61	62	42	95	63
214	66	17	61	62	42	95	62
215	66	36	62	61	42	95	62
216	66	54	62	64	43	94	63
217	67	13	63	64	43	96	62
218	67	32	62	64	44	96	63
219	67	50	63	63	45	99	63
220	68	9	64	63	45	101	63
221	68	27	64	65	45	103	63
222	68	46	64	63	44	105	63
223	69	4	65	64	45	108	63
224	69	23	66	64	46	110	63
225	69	42	66	64	46	112	64
226	70	0	67	67	47	113	63
227	70	19	68	67	49	116	64
228	70	37	68	67	51	118	64
229	70	56	68	68	51	118	63
230	71	14	69	67	51	120	64
231	71	33	69	68	52	121	64
232	71	51	70	68	52	122	64
233	72	10	70	69	52	123	64
234	72	29	71	69	52	125	64
235	*	*	*	*	*	*	*

1638

-06 G.2 UEL TRL LET EMP G.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
69	38	81	63	62	67	59	51	50
67	37	81	63	62	67	58	51	49
66	39	81	62	61	66	58	50	49
67	38	81	63	61	66	58	49	49
68	39	82	63	62	67	59	49	49
67	38	83	62	61	66	59	50	49
68	39	84	63	62	66	58	50	50
69	40	86	63	61	66	60	52	51
66	41	87	62	61	66	60	54	53
64	40	89	63	61	66	59	54	52
59	39	89	63	61	66	59	51	52
56	39	90	63	62	66	58	51	50
55	39	90	63	61	66	59	50	50
58	41	92	63	61	66	61	52	53
61	42	94	62	61	66	61	54	55
60	41	94	63	61	66	60	53	54
62	41	93	63	62	65	60	55	55
62	42	95	63	61	65	60	55	55
62	42	95	62	61	65	59	54	54
61	42	95	62	62	65	60	54	53
64	43	94	63	61	66	59	53	54
64	43	96	62	62	66	61	55	55
64	44	96	63	62	65	62	55	55
63	45	99	63	62	66	65	56	56
63	45	101	63	62	66	71	58	56
65	45	103	63	62	66	73	61	58
63	44	105	63	62	66	79	62	59
64	45	108	63	62	66	78	65	60
64	46	110	63	63	66	79	67	61
64	46	112	64	63	67	82	69	62
67	47	113	63	63	67	82	72	63
67	49	116	64	63	67	86	73	64
67	51	118	64	64	68	89	72	66
68	51	118	63	64	68	84	72	66
67	51	120	64	64	69	79	73	68
68	52	121	64	64	68	71	73	69
68	52	122	64	64	68	75	75	69
69	52	123	64	64	69	80	77	71
70	52	125	64	66	69	83	79	71
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
1	0	16	55	55	54	54	52
2	0	35	55	55	54	54	52
3	0	54	55	55	54	54	52
4	1	12	55	55	53	54	52
5	1	31	55	55	54	53	52
6	1	49	55	55	54	54	52
7	2	8	55	54	54	54	52
8	2	27	55	54	54	54	52
9	2	45	55	54	54	54	52
10	3	4	55	54	54	54	52
11	3	23	55	54	54	54	52
12	3	41	54	54	54	53	52
13	4	0	54	54	54	53	52
14	4	19	54	54	53	54	52
15	4	37	54	54	53	54	52
16	4	56	54	54	53	53	52
17	5	15	54	53	53	54	52
18	5	33	54	54	53	53	52
19	5	52	52	52	54	53	51
20	6	10	53	54	54	54	52
21	6	29	53	52	54	54	52
22	6	48	53	54	54	53	52
23	7	6	54	54	54	53	51
24	7	25	53	52	53	54	52
25	7	44	54	53	53	54	52
26	8	2	53	54	54	54	52
27	8	21	54	53	54	54	54
28	8	39	54	54	53	54	52
29	8	58	54	53	54	54	52
30	9	17	54	54	53	54	52
31	*	*	54	53	54	54	52
32	9	54	54	55	54	55	53
33	10	13	54	53	54	55	53
34	*	*	54	53	54	55	53
35	10	50	54	54	54	55	53
36	11	9	54	54	54	55	54
37	11	27	54	54	54	55	54
38	11	46	54	54	55	55	54
39	12	4	54	55	55	55	54
40	12	23	54	54	54	55	54
41	12	42	54	54	55	55	55
42	13	0	55	54	55	56	55
43	13	19	56	56	56	58	55
44	13	37	56	56	56	58	56

1634

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

6-16 ENG.1 INLET LIP SURF. 3.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
55	54	54	52	52	54	51	54	51
55	54	54	52	52	54	50	54	51
55	54	54	52	52	53	50	52	48
55	53	54	52	52	53	49	52	48
55	54	53	52	52	53	49	52	48
55	54	54	52	52	52	49	51	46
54	54	54	52	52	53	49	51	46
54	54	54	52	52	52	48	50	46
54	54	54	52	52	51	48	49	45
54	54	54	52	52	51	48	48	44
54	54	54	52	52	51	47	48	43
54	54	53	52	52	49	47	47	44
54	54	53	52	52	49	47	46	43
54	53	54	52	52	49	46	46	42
54	53	54	52	52	49	46	46	42
54	53	53	52	51	48	46	46	42
53	53	54	52	52	49	46	46	42
54	53	53	52	51	48	46	45	42
52	54	53	51	51	49	45	46	42
54	54	54	52	51	48	45	46	42
52	54	54	52	52	48	46	45	42
54	54	53	52	51	48	46	46	42
54	54	53	51	52	48	46	46	42
52	53	54	52	51	48	45	46	42
53	53	54	52	52	48	45	46	41
54	54	54	52	52	48	45	46	42
53	54	54	54	52	49	45	46	43
54	53	54	52	52	49	45	46	42
53	54	54	52	53	48	45	46	42
54	53	54	52	52	48	45	45	42
53	54	54	52	53	48	45	46	42
55	54	55	53	52	48	45	45	42
53	54	55	53	53	48	45	46	42
53	54	55	53	53	48	45	45	42
54	54	55	53	54	48	45	45	42
54	54	55	54	53	49	45	46	42
54	54	55	54	53	48	45	45	42
54	55	55	54	53	48	45	46	42
55	55	55	54	53	48	46	45	42
54	54	55	54	54	48	45	45	41
54	55	55	55	53	49	45	46	42
54	55	56	55	54	55	47	58	45
56	56	58	55	55	55	53	56	51
56	56	58	56	56	56	55	56	53
56	57	59	56	56	56	56	58	55

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
46	14	15	57	56	58	59	57
47	14	33	59	58	59	61	60
48	14	52	61	60	61	62	61
49	15	11	62	62	62	63	62
50	15	29	64	64	64	64	62
51	15	48	66	66	65	66	65
52	16	7	68	67	67	68	67
53	*	*	67	66	66	67	66
54	16	44	66	68	66	66	66
55	17	2	66	66	65	66	65
56	17	21	66	66	66	66	65
57	17	40	66	66	64	65	65
58	17	58	66	66	65	65	66
59	18	17	66	66	66	66	66
60	18	36	66	66	65	66	65
61	18	54	66	65	65	66	65
62	19	13	64	64	64	64	63
63	19	31	63	62	63	63	63
64	19	50	62	62	62	62	63
65	20	9	61	61	60	61	61
66	20	27	60	60	59	61	61
67	20	46	59	59	59	60	60
68	21	4	59	58	59	60	60
69	21	23	58	59	58	59	59
70	21	42	59	58	58	59	59
71	22	0	58	58	58	62	58
72	22	19	58	58	57	59	59
73	22	37	58	58	58	58	58
74	22	56	57	57	58	58	59
75	23	15	57	57	56	58	58
76	23	33	57	57	56	58	57
77	23	52	57	56	56	57	57
78	24	11	56	56	56	57	57
79	24	29	56	56	56	57	57
80	24	48	56	56	56	56	57
81	25	6	56	56	55	57	57
82	25	25	56	56	55	55	57
83	25	44	56	55	55	56	56
84	26	2	56	56	56	56	57
85	26	21	55	55	55	56	56
86	26	39	55	55	55	56	56
87	26	58	56	55	55	56	56
88	27	17	55	55	55	56	56
89	27	35	55	55	55	56	56
90	27	54	57	56	55	57	58
91	28	12	56	57	56	58	59
92	28	31	54	55	55	56	57
93	28	50	55	55	55	56	56
94	29	8	54	55	55	55	56
95	29	27	54	54	54	55	55

6-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
INLET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
SURF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
2.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
56	58	59	57	57	57	57	59	55
58	59	61	60	59	57	59	61	58
60	61	62	61	60	57	62	62	60
62	62	63	62	61	58	63	63	62
	64	64	62	62	59	62	65	62
66	65	66	65	65	61	65	66	65
67	67	68	67	68	64	68	70	68
66	66	67	66	66	65	65	72	68
68	66	66	66	65	66	66	72	67
66	65	66	65	65	66	65	73	67
66	66	66	65	66	67	66	75	68
66	64	65	65	65	68	66	74	68
66	65	65	66	66	69	67	75	69
66	66	66	66	65	70	67	76	70
66	65	66	65	66	70	66	76	69
65	65	66	65	65	70	67	76	69
64	64	64	63	63	67	65	73	68
62	63	63	63	63	66	64	73	68
62	62	62	63	62	65	64	73	68
61	60	61	61	61	65	63	72	67
60	59	61	61	60	65	62	72	66
59	59	60	60	60	65	62	72	66
58	59	60	60	59	63	62	71	66
59	58	59	59	60	64	62	71	66
58	58	59	59	59	63	62	71	66
58	58	62	58	59	63	62	71	66
58	57	59	59	59	63	62	71	66
58	58	58	58	58	62	61	71	65
57	58	58	59	58	62	62	70	65
57	56	58	58	58	62	61	69	65
57	56	58	57	56	61	61	69	64
56	56	57	57	58	61	61	69	64
56	56	57	57	57	62	60	70	64
56	56	57	57	57	61	60	69	65
56	56	56	57	57	61	60	69	64
56	55	57	57	57	61	60	69	64
56	55	55	57	57	61	59	69	64
55	55	56	56	56	61	60	68	64
56	56	56	57	56	61	60	68	64
56	55	56	56	56	61	60	68	64
55	55	56	56	57	62	59	69	63
55	55	56	56	56	62	59	69	63
55	55	56	56	56	60	59	68	64
55	55	56	56	56	59	60	68	64
56	55	57	58	58	62	60	70	65
57	56	58	58	56	64	61	71	65
55	55	56	57	56	61	59	68	64
55	55	56	56	56	59	59	67	63
55	55	55	56	55	59	59	68	64
54	54	55	55	55	59	59	68	64

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
96	29	45	54	54	54	55	55
97	30	4	53	54	54	54	55
98	30	23	54	53	54	55	55
99	30	41	54	53	54	54	55
100	31	0	54	53	54	54	55
101	31	18	54	54	54	54	55
102	31	37	54	53	53	54	54
103	31	55	54	53	54	54	54
104	32	14	54	53	54	54	54
105	32	33	53	53	54	54	54
106	32	51	54	53	54	54	54
107	33	10	54	53	53	54	55
108	33	28	54	53	54	54	54
109	33	47	53	53	53	53	54
110	34	6	53	52	54	53	54
111	34	24	53	53	53	53	54
112	34	43	52	53	52	52	54
113	35	1	53	53	53	53	54
114	35	20	53	53	52	54	54
115	35	38	53	53	53	54	53
116	35	57	53	52	53	53	54
117	36	16	53	53	53	52	54
118	36	34	52	52	53	52	54
119	36	53	53	52	52	52	54
120	37	11	53	52	52	53	54
121	37	30	52	53	52	52	54
122	37	48	52	53	53	52	53
123	38	7	53	52	52	52	54
124	38	26	54	54	54	54	53
125	38	44	53	53	53	53	54
126	39	3	53	53	53	53	54
127	39	21	52	52	53	53	54
128	39	40	52	53	52	54	53
129	39	59	52	52	52	53	53
130	40	17	52	52	52	53	53
131	40	36	52	52	52	53	52
132	40	54	52	52	52	52	53
133	41	13	52	51	52	52	52
134	41	31	52	52	52	52	53
135	41	50	52	51	52	52	53
136	42	9	51	52	52	52	54
137	42	27	52	52	52	53	52
138	42	46	52	52	52	52	52
139	43	4	52	52	52	53	52
140	43	23	52	52	52	52	53
141	43	41	52	52	52	52	53
142	44	0	52	52	52	52	53
143	44	19	52	52	52	52	53
144	44	37	52	52	52	51	52

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
54	54	55	55	54	59	59	69	63
54	54	54	55	55	59	59	69	64
53	54	55	55	55	59	59	69	63
53	54	54	55	55	59	58	69	62
53	54	54	55	56	59	58	69	63
54	54	54	55	54	58	59	69	63
53	53	54	54	54	59	59	69	62
53	54	54	54	54	58	59	68	62
53	54	54	54	55	59	58	70	63
53	54	54	54	54	59	58	69	62
53	54	54	54	54	59	58	69	62
53	53	54	55	54	59	58	68	63
53	54	54	54	54	59	59	68	62
53	53	53	54	54	58	58	68	62
52	54	53	54	54	59	57	69	62
53	53	53	54	54	58	58	68	62
53	52	52	54	53	58	57	68	62
53	53	53	54	54	59	57	69	62
53	52	54	54	54	59	57	69	62
53	53	54	53	54	59	57	69	62
52	53	53	54	54	59	58	69	62
53	53	52	54	54	59	58	68	62
52	53	52	54	53	59	57	68	61
52	52	52	54	53	58	57	68	61
52	52	53	54	53	58	57	68	62
53	52	52	54	54	58	57	68	62
53	53	52	53	53	59	56	68	61
52	52	52	54	52	59	57	68	62
54	54	54	53	54	61	59	71	62
53	53	53	54	54	59	58	68	62
53	53	53	54	54	56	57	64	61
52	53	53	54	53	55	58	62	60
53	52	54	53	53	57	57	62	59
52	52	53	53	53	57	56	62	59
52	52	53	53	54	57	56	62	59
52	52	53	52	53	56	56	62	59
52	52	52	53	53	57	56	61	59
51	52	52	52	53	56	56	62	59
52	52	52	53	53	56	56	61	58
51	52	52	53	53	55	57	61	59
52	52	52	54	53	55	57	61	59
52	52	53	52	53	56	57	61	59
52	52	52	52	53	55	56	61	59
52	52	53	52	52	56	55	61	58
52	52	52	53	53	56	56	60	58
52	52	52	53	53	56	56	61	59
52	52	52	53	52	55	56	59	58
52	52	52	53	52	55	55	60	58
52	52	51	52	53	56	56	60	58
52	52	52	52	53	56	56	60	58

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
146	45	14	52	52	52	52	52
147	45	33	52	52	52	52	52
148	45	51	52	51	52	52	52
149	46	10	52	52	52	52	52
150	46	29	51	51	52	52	52
151	46	47	51	51	52	52	52
152	47	6	51	51	52	52	52
153	47	24	51	51	51	51	52
154	47	43	53	52	52	52	52
155	48	1	52	52	52	52	52
156	48	20	52	52	52	52	52
157	48	39	51	51	51	52	52
158	48	57	51	51	51	51	52
159	49	16	51	51	51	52	52
160	49	34	51	51	51	51	52
161	49	53	52	51	51	52	52
162	50	12	51	51	51	51	51
163	50	30	51	51	51	51	52
164	50	49	50	51	51	51	51
165	51	7	51	52	51	51	52
166	51	26	51	51	51	51	51
167	51	44	51	51	51	50	52
168	52	3	51	51	51	51	51
169	52	22	51	51	51	51	51
170	52	40	51	51	51	51	51
171	52	59	51	51	51	51	51
172	53	17	51	51	51	51	51
173	53	36	51	51	51	51	52
174	53	54	51	50	51	51	51
175	54	13	51	50	51	51	51
176	54	32	51	51	51	50	51
177	54	50	50	50	51	50	51
178	55	9	51	50	51	50	51
179	55	27	50	49	50	50	51
180	55	46	50	50	50	50	51
181	56	4	49	50	49	50	51
182	56	23	50	50	49	50	51
183	56	42	50	50	50	50	51
184	57	0	50	50	50	51	51
185	57	19	51	50	49	50	51
186	57	37	49	49	49	49	51
187	57	56	50	50	50	50	51
188	58	14	50	50	49	50	51
189	58	33	50	50	50	50	51
190	58	52	50	50	49	51	52
191	59	10	50	50	51	50	51
192	59	29	50	50	49	50	51
193	59	47	50	50	49	50	51
194	60	6	50	49	49	50	51

-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
LET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
RF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
52	52	52	52	53	57	55	61	58
52	52	52	52	53	56	55	61	58
51	52	52	52	54	56	55	60	58
52	52	52	52	52	56	55	60	58
51	52	52	52	53	56	55	60	58
51	52	52	52	54	56	55	60	58
51	52	52	52	54	56	55	59	58
51	51	51	52	52	55	56	62	58
52	52	52	52	52	57	55	64	58
52	52	52	52	52	56	55	62	58
52	52	52	52	52	55	55	60	58
51	51	52	52	52	55	55	60	57
51	51	51	52	52	54	55	59	56
51	51	52	52	52	55	55	59	56
51	51	51	52	52	55	54	60	57
51	51	52	52	52	55	55	59	56
51	51	51	51	52	55	54	59	56
51	51	51	52	52	55	55	59	56
51	51	51	51	52	55	55	59	56
52	51	51	52	52	55	54	59	57
51	51	51	51	52	55	55	59	56
51	51	50	52	52	55	54	59	56
51	51	51	51	51	55	54	59	56
51	51	51	51	52	54	54	59	56
51	51	51	51	52	54	54	59	56
51	51	51	51	51	55	54	59	56
51	51	51	51	52	54	54	59	56
51	51	51	52	51	54	55	59	56
50	51	51	51	52	54	54	59	56
50	51	51	51	52	54	54	59	56
51	51	50	51	51	55	54	60	57
50	51	50	51	51	54	54	62	57
50	51	50	51	51	54	54	64	58
49	50	50	51	51	55	54	65	58
50	50	50	51	51	54	54	65	59
50	49	50	51	51	55	54	65	59
50	49	50	51	51	55	53	66	59
50	50	50	51	51	55	54	66	59
50	50	51	51	51	55	54	66	59
50	49	50	51	50	55	54	66	59
49	49	49	51	51	55	55	66	59
50	50	50	51	51	55	55	66	59
50	49	50	51	51	55	55	66	59
50	50	50	51	51	56	54	67	59
50	49	51	52	51	55	55	66	60
50	51	50	51	51	55	54	67	59
50	49	50	51	51	56	54	67	60
50	49	50	51	51	55	55	66	60
49	49	50	51	51	55	55	66	59
50	49	50	51	51	55	55	66	59

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
196	60	43	50	50	49	51	51
197	61	2	49	50	50	50	51
198	61	20	49	50	50	50	51
199	61	39	49	49	49	50	50
200	61	57	49	50	49	50	51
201	62	16	49	49	49	50	51
202	62	34	49	49	50	50	51
203	62	53	51	51	51	51	51
204	63	12	52	51	52	51	51
205	63	30	52	51	51	52	52
206	63	49	50	51	49	51	51
207	64	7	50	50	49	50	50
208	64	26	49	50	49	50	50
209	64	44	51	51	51	52	51
210	65	3	52	51	51	52	52
211	65	22	52	52	52	52	51
212	65	40	53	52	53	53	52
213	65	59	53	52	53	52	51
214	66	17	51	52	51	51	51
215	66	36	52	51	51	51	51
216	66	54	52	52	51	51	51
217	67	13	52	52	52	51	51
218	67	32	53	52	52	52	51
219	67	50	54	52	51	51	52
220	68	9	56	54	52	52	52
221	68	27	58	55	54	53	52
222	68	46	60	55	55	52	52
223	69	4	62	57	56	54	53
224	69	23	64	59	57	54	54
225	69	42	65	59	58	55	53
226	70	0	66	61	59	55	54
227	70	19	68	62	60	55	54
228	70	37	73	65	62	56	55
229	70	56	74	65	62	58	55
230	71	14	74	66	63	58	55
231	71	33	73	68	64	60	56
232	71	51	75	68	65	60	58
233	72	10	75	69	66	61	58
234	72	29	77	70	67	61	59
235	*	*	*	*	*	*	*

6-16 ENG.1 INLET LIP SURF. 2.45 EG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
50	49	51	51	51	55	55	66	59
50	50	50	51	51	56	54	67	59
50	50	50	51	51	56	54	66	59
49	49	50	50	50	55	55	66	60
50	49	50	51	51	56	55	66	59
49	49	50	51	50	55	54	67	59
49	50	50	51	51	56	55	66	60
51	51	51	51	52	59	55	67	60
51	52	51	51	52	61	56	68	60
51	51	52	52	51	59	55	66	60
51	49	51	51	51	55	55	64	59
50	49	50	50	50	55	55	64	59
50	49	50	50	51	55	54	64	59
51	51	52	51	52	57	56	66	60
51	51	52	52	52	59	56	66	60
52	52	52	51	52	61	57	67	60
52	53	53	52	52	61	56	67	59
52	53	52	51	52	61	56	66	59
52	51	51	[illegible]	51	61	53	66	58
51	51	51	51	51	62	54	65	57
52	51	51	51	51	61	54	69	58
52	52	51	51	52	64	56	86	59
52	52	52	51	52	89	57	121	61
52	51	51	52	52	120	55	162	66
54	52	52	52	52	138	56	178	73
55	54	53	52	52	141	55	182	75
56	55	52	52	53	144	55	183	77
57	56	54	53	54	150	56	183	82
59	57	54	54	54	150	57	183	84
59	58	55	53	55	149	57	182	83
61	59	55	54	54	147	56	180	83
62	60	56	54	55	150	56	181	84
65	62	56	55	55	146	56	170	81
65	62	58	55	54	133	54	154	73
66	63	58	55	54	130	55	149	76
68	64	60	56	56	135	59	154	86
68	65	60	58	57	142	61	162	88
69	66	61	58	58	143	62	160	90
70	67	61	59	59	141	63	159	90
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
1	0	16	51	51	51	51
2	0	35	52	52	52	52
3	0	54	51	51	51	51
4	1	12	51	51	51	51
5	1	31	51	51	51	51
6	1	49	51	51	51	51
7	2	8	51	51	51	51
8	2	27	50	51	51	51
9	2	45	50	50	51	51
10	3	4	50	51	51	51
11	3	23	50	50	51	51
12	3	41	50	50	51	51
13	4	0	51	50	51	51
14	4	19	51	51	51	51
15	4	37	50	51	51	51
16	4	56	50	51	51	51
17	5	15	50	50	51	51
18	5	33	51	51	51	51
19	5	52	49	51	52	51
20	6	10	50	49	51	51
21	6	29	50	49	51	51
22	6	48	51	50	51	51
23	7	6	50	50	51	51
24	7	25	50	50	51	51
25	7	44	51	51	51	51
26	8	2	51	50	51	52
27	8	21	51	50	52	50
28	8	39	49	51	51	51
29	8	58	50	49	51	51
30	9	17	50	51	50	50
31	*	*	50	50	51	51
32	9	54	49	51	51	50
33	10	13	50	49	51	51
34	*	*	50	51	51	51
35	10	50	49	50	51	51
36	11	9	50	51	51	51
37	11	27	50	50	51	51
38	11	46	50	50	51	51
39	12	4	49	49	51	51
40	12	23	50	50	50	51
41	12	42	49	49	50	51
42	13	0	50	49	51	51
43	13	19	69	52	52	51
44	13	37	70	53	51	51
45	13	56	70	56	51	51

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
46	14	15	70	57	51	51
47	14	33	71	58	51	51
48	14	52	70	60	51	51
49	15	11	70	63	51	51
50	15	29	70	64	51	51
51	15	48	71	66	52	52
52	16	7	71	69	51	52
53	*	*	71	71	52	52
54	16	44	71	73	51	52
55	17	2	71	70	54	52
56	17	21	71	78	69	52
57	17	40	70	81	73	54
58	17	58	70	83	74	57
59	18	17	71	85	73	59
60	18	36	70	88	75	62
61	18	54	71	88	73	65
62	19	13	71	89	74	68
63	19	31	71	90	72	71
64	19	50	71	92	72	74
65	20	9	71	92	72	76
66	20	27	70	93	72	78
67	20	46	71	94	71	81
68	21	4	71	95	72	82
69	21	23	71	95	71	85
70	21	42	71	95	71	85
71	22	0	72	96	70	86
72	22	19	72	96	71	88
73	22	37	71	97	71	89
74	22	56	71	97	71	89
75	23	15	71	97	71	91
76	23	33	72	98	71	92
77	23	52	73	97	71	92
78	24	11	72	98	70	93
79	24	29	72	98	72	93
80	24	48	72	98	71	95
81	25	6	72	98	71	94
82	25	25	73	99	71	95
83	25	44	73	98	71	94
84	26	2	72	99	71	95
85	26	21	73	99	72	96
86	26	39	73	98	72	95
87	26	58	74	99	73	97
88	27	17	73	99	72	95
89	27	35	73	98	72	97
90	27	54	74	100	73	99
91	28	12	75	100	73	99
92	28	31	73	98	73	98
93	28	50	74	98	71	97
94	29	8	73	98	72	95

1695

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
96	29	45	73	98	71	96
97	30	4	73	99	72	95
98	30	23	73	100	72	93
99	30	41	73	99	71	94
100	31	0	73	100	72	93
101	31	18	73	99	72	93
102	31	37	73	99	71	93
103	31	55	74	100	72	92
104	32	14	74	101	72	92
105	32	33	75	100	72	93
106	32	51	75	100	71	92
107	33	10	75	100	72	92
108	33	28	75	101	71	92
109	33	47	73	102	71	91
110	34	6	74	101	72	92
111	34	24	75	100	71	91
112	34	43	74	101	72	91
113	35	1	75	100	72	92
114	35	20	75	101	71	91
115	35	38	74	101	72	91
116	35	57	75	101	71	92
117	36	16	75	101	72	92
118	36	34	75	101	72	91
119	36	53	75	101	72	91
120	37	11	75	100	71	91
121	37	30	75	101	72	91
122	37	48	74	101	71	91
123	38	7	75	101	71	91
124	38	26	76	102	72	92
125	38	44	75	102	72	93
126	39	3	76	101	71	91
127	39	21	75	99	71	90
128	39	40	75	100	71	92
129	39	59	75	99	72	93
130	40	17	75	98	72	92
131	40	36	75	97	71	93
132	40	54	75	96	71	92
133	41	13	75	96	71	94
134	41	31	75	95	71	94
135	41	50	75	95	71	95
136	42	9	75	94	72	95
137	42	27	75	93	72	95
138	42	46	75	93	72	95
139	43	4	75	93	71	95
140	43	23	75	92	71	96
141	43	41	75	92	71	98
142	44	0	75	92	70	96
143	44	19	75	92	71	95
144	44	37	75	92	71	96
145	44	56	75	91	71	97

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
146	45	14	74	91	72	98
147	45	33	75	90	72	98
148	45	51	75	91	71	96
149	46	10	75	91	72	98
150	46	29	74	90	71	98
151	46	47	75	91	71	97
152	47	6	74	89	71	98
153	47	24	75	90	72	99
154	47	43	74	90	72	99
155	48	1	74	90	72	98
156	48	20	75	90	72	97
157	48	39	74	89	71	98
158	48	57	74	89	72	97
159	49	16	73	89	72	98
160	49	34	74	89	72	97
161	49	53	74	89	72	96
162	50	12	74	89	73	98
163	50	30	74	88	72	98
164	50	49	73	88	72	98
165	51	7	73	88	72	98
166	51	26	74	88	72	98
167	51	44	73	88	72	98
168	52	3	73	88	72	98
169	52	22	74	88	72	98
170	52	40	73	88	72	99
171	52	59	73	87	72	99
172	53	17	73	87	72	97
173	53	36	73	86	72	99
174	53	54	73	87	72	98
175	54	13	73	86	72	98
176	54	32	73	86	72	99
177	54	50	72	86	72	98
178	55	9	72	87	72	98
179	55	27	73	88	72	96
180	55	46	73	87	72	96
181	56	4	73	88	72	95
182	56	23	73	89	72	94
183	56	42	72	90	72	92
184	57	0	72	91	73	92
185	57	19	72	93	72	92
186	57	37	72	93	71	90
187	57	56	72	93	71	91
188	58	14	73	94	72	91
189	58	33	72	95	72	89
190	58	52	72	96	72	89
191	59	10	73	95	71	88
192	59	29	72	96	72	89
193	59	47	72	98	71	87
194	60	6	73	97	71	87

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
196	60	43	72	98	71	86
197	61	2	73	98	71	86
198	61	20	72	98	71	86
199	61	39	72	98	71	87
200	61	57	73	99	71	85
201	62	16	72	98	71	85
202	62	34	73	98	71	86
203	62	53	73	99	71	87
204	63	12	73	100	72	86
205	63	30	73	99	72	86
206	63	49	73	99	70	84
207	64	7	73	98	70	85
208	64	26	72	98	71	85
209	64	44	74	99	72	88
210	65	3	74	98	72	89
211	65	22	74	98	71	89
212	65	40	74	98	71	89
213	65	59	73	99	72	91
214	66	17	73	97	71	89
215	66	36	73	97	72	90
216	66	54	74	98	71	91
217	67	13	75	97	72	92
218	67	32	76	98	74	92
219	67	50	76	96	74	92
220	68	9	76	96	74	93
221	68	27	76	95	75	92
222	68	46	76	94	75	92
223	69	4	77	94	75	92
224	69	23	78	94	75	90
225	69	42	79	93	75	90
226	70	0	79	92	76	89
227	70	19	78	92	76	90
228	70	37	83	92	76	89
229	70	56	91	91	76	89
230	71	14	92	91	85	89
231	71	33	92	92	92	88
232	71	51	92	92	94	89
233	72	10	92	92	94	89
234	72	29	92	92	95	89
235	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
1	0	19	53	53	53	55	52
2	*	*	55	53	53	55	53
3	0	56	53	54	53	55	53
4	1	14	53	54	54	54	53
5	1	33	53	54	53	55	53
6	1	52	54	54	53	55	52
7	2	10	54	54	53	54	53
8	2	29	54	54	53	54	53
9	2	48	54	54	53	55	53
10	3	6	54	53	52	55	53
11	3	25	53	53	52	55	53
12	3	44	53	53	52	55	53
13	4	2	53	53	52	54	53
14	4	21	54	53	51	55	53
15	4	39	53	53	52	54	53
16	4	58	53	53	52	54	53
17	5	17	53	54	52	54	53
18	5	35	53	53	51	53	53
19	5	54	53	53	51	54	53
20	6	13	53	53	51	54	53
21	6	31	53	52	51	53	52
22	6	50	53	52	50	53	52
23	7	9	52	53	51	53	53
24	7	27	53	53	50	53	53
25	7	46	53	52	51	53	53
26	8	4	52	53	51	53	53
27	8	23	52	53	50	53	53
28	8	42	53	53	51	53	53
29	9	0	53	52	50	53	53
30	9	19	53	51	51	53	52
31	9	38	52	53	50	53	52
32	9	56	51	51	50	53	53
33	10	15	53	52	49	53	53
34	10	33	52	52	50	53	51
35	10	52	52	52	50	53	52
36	11	11	52	52	50	53	52
37	11	29	52	52	50	53	52
38	11	48	53	52	50	53	52
39	12	7	51	51	50	53	52
40	12	25	52	51	49	52	52
41	12	44	53	51	50	52	52
42	13	2	52	51	51	57	53
43	13	21	53	53	51	58	54
44	*	*	52	53	51	59	56

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-06	7-07	7-08	7-09	7-10	7-11	7-13	7-14	7-15
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
KIN	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.3	STG.4
NBD	OUTBD	TEMP	OIL	TEMP	4.30	OIL	6.00	3.00
C.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
53	53	55	52	53	53	53	54	54
53	53	55	53	53	54	53	53	54
54	53	55	53	53	54	53	53	54
54	54	54	53	53	53	53	53	53
54	53	55	53	53	53	53	53	54
54	53	55	52	53	53	53	54	54
54	53	54	53	53	53	53	53	54
54	53	54	53	53	53	53	53	54
54	53	55	53	53	53	53	53	54
53	52	55	53	53	53	53	53	54
53	52	55	53	52	53	53	53	54
53	52	55	53	53	53	53	53	54
53	52	54	53	53	53	53	53	54
53	51	55	53	52	53	53	53	53
53	52	54	53	53	53	53	53	54
53	52	54	53	53	53	53	53	54
54	52	54	53	53	53	53	52	53
53	51	53	53	53	53	53	53	54
53	51	54	53	53	52	52	53	55
53	51	54	53	53	53	52	53	53
52	51	53	52	53	53	53	53	54
52	50	53	52	53	53	53	53	54
53	51	53	53	53	53	52	53	54
53	50	53	53	53	53	53	53	53
52	51	53	53	52	53	52	53	54
53	51	53	53	52	52	53	53	54
53	50	53	53	53	53	53	53	53
53	50	53	53	53	52	53	53	53
52	50	53	53	52	52	52	53	54
51	51	53	52	52	52	52	53	53
53	50	53	52	53	53	52	53	54
51	50	53	53	53	52	52	52	54
52	49	53	53	53	52	53	52	54
52	50	53	51	53	52	53	53	53
52	50	53	52	53	52	53	53	53
52	50	53	52	52	52	53	53	53
52	50	53	52	52	53	52	53	53
52	50	53	52	52	52	53	53	53
51	50	53	52	52	53	53	53	53
51	49	52	52	52	52	52	52	54
51	50	52	52	53	51	52	52	53
51	51	57	53	53	52	56	58	58
53	51	58	54	55	54	60	67	66
53	51	59	56	57	57	63	74	71
53	52	61	58	58	59	67	77	75

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
46	14	17	53	52	53	61	62
47	14	36	53	53	53	64	65
48	14	54	53	53	53	66	66
49	15	13	54	52	53	67	68
50	15	32	54	53	53	69	70
51	15	50	54	53	54	70	72
52	16	9	56	55	57	72	76
53	16	27	58	55	58	72	80
54	16	46	59	57	58	71	82
55	17	5	60	58	59	71	86
56	17	23	62	59	60	71	88
57	17	42	64	60	61	72	90
58	18	1	65	62	61	71	92
59	18	19	67	63	63	72	94
60	18	38	68	64	64	71	95
61	18	56	69	64	64	71	96
62	19	15	70	65	65	68	97
63	19	34	71	67	64	69	98
64	19	52	72	67	65	68	98
65	20	11	73	67	65	68	98
66	20	29	74	69	65	67	100
67	20	48	76	70	66	67	100
68	21	7	76	70	66	67	101
69	21	25	77	70	66	66	101
70	21	44	78	71	67	66	102
71	22	2	78	72	67	65	102
72	22	21	80	73	68	65	102
73	22	40	80	73	68	65	102
74	22	58	80	74	69	64	103
75	23	17	82	75	68	64	103
76	23	36	82	75	68	64	103
77	23	54	82	75	70	64	102
78	24	13	83	77	69	65	103
79	24	31	83	77	70	64	103
80	24	50	85	77	70	64	103
81	25	9	84	77	70	64	103
82	25	27	84	78	70	64	103
83	25	46	85	79	71	63	103
84	26	4	87	80	71	63	103
85	26	23	87	80	71	63	103
86	26	42	87	79	71	64	102
87	27	0	87	80	72	63	103
88	27	19	87	81	72	64	102
89	27	37	87	80	72	63	102
90	27	56	89	81	73	64	103
91	28	15	89	81	73	65	104
92	28	33	89	82	73	64	103
93	28	52	89	82	73	63	102
94	29	10	88	83	73	62	103

-06	7-07	7-08	7-09	7-10	7-11	7-13	7-14	7-15
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
KIN	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.3	STG.4
NBD	OUTBD	TEMP	OIL	TEMP	4.30	OIL	6.00	3.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
52	53	61	62	59	60	70	79	79
53	53	64	65	60	63	73	79	81
53	53	66	66	60	64	75	82	84
52	53	67	68	60	66	79	84	86
53	53	69	70	60	68	80	86	88
53	54	70	72	58	69	87	105	108
55	57	72	76	56	72	94	118	121
55	58	72	80	56	76	99	124	128
57	58	71	82	55	78	102	122	129
58	59	71	86	56	79	106	122	130
59	60	71	88	54	81	109	122	132
60	61	72	90	54	82	112	121	132
62	61	71	92	55	82	113	121	130
63	63	72	94	56	83	115	119	126
64	64	71	95	58	82	115	121	124
64	64	71	96	58	82	116	118	123
65	65	68	97	56	82	120	124	131
67	64	69	98	54	82	122	127	138
67	65	68	98	53	82	123	127	139
67	65	68	98	53	82	124	127	139
69	65	67	100	52	82	125	127	140
70	66	67	100	51	82	126	126	140
70	66	67	101	51	81	126	126	140
70	66	66	101	52	81	127	127	140
71	67	66	102	52	80	127	126	140
72	67	65	102	52	82	128	126	139
73	68	65	102	51	82	129	126	140
73	68	65	102	50	81	128	126	139
74	69	64	103	51	81	128	126	138
75	68	64	103	50	80	129	126	139
75	68	64	103	51	81	129	126	139
75	70	64	102	50	81	129	126	139
77	69	65	103	51	80	129	125	138
77	70	64	103	51	80	130	125	139
77	70	64	103	51	80	129	124	138
77	70	64	103	51	79	130	124	139
78	70	64	103	52	79	130	125	138
79	71	63	103	50	79	130	123	138
80	71	63	103	51	80	130	124	137
80	71	63	103	51	79	130	125	137
79	71	64	102	51	80	130	124	137
80	72	63	103	51	80	129	124	137
81	72	64	102	51	80	129	124	137
80	72	63	102	51	80	129	124	136
81	73	64	103	53	80	128	118	130
81	73	65	104	53	81	128	117	129
82	73	64	103	52	81	129	121	133
82	73	63	102	51	81	130	126	138
83	73	62	103	50	80	130	129	142
83	73	63	10	49	80	131	129	142

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
96	29	48	90	82	73	63	103
97	30	6	90	82	74	63	104
98	30	25	91	84	74	62	105
99	30	43	92	83	74	63	105
100	31	2	92	83	74	63	105
101	31	20	92	83	74	62	105
102	31	39	93	86	74	62	105
103	31	58	93	84	75	62	105
104	32	16	94	85	75	62	106
105	32	35	95	86	75	62	107
106	32	53	94	86	75	63	106
107	33	12	94	86	75	61	105
108	33	31	95	85	76	62	106
109	33	49	94	86	76	62	106
110	34	8	96	87	75	63	106
111	34	26	95	87	76	62	106
112	34	45	95	87	76	62	106
113	35	3	95	87	76	62	106
114	35	22	95	88	76	62	105
115	35	41	96	87	76	63	106
116	35	59	96	87	75	62	105
117	36	18	96	89	76	61	106
118	36	36	96	87	76	61	105
119	36	55	96	87	77	62	105
120	37	14	96	87	76	61	106
121	37	32	96	89	77	61	106
122	37	51	96	88	77	63	105
123	38	9	96	88	76	62	105
124	38	28	97	90	77	62	105
125	38	46	98	92	78	61	103
126	39	5	97	91	79	60	101
127	39	24	96	91	78	59	100
128	39	42	96	89	78	60	97
129	40	1	96	89	77	59	97
130	40	19	96	89	77	58	96
131	40	38	95	88	77	59	95
132	40	56	94	88	77	59	94
133	41	15	94	88	77	60	94
134	41	34	95	88	76	59	93
135	41	52	94	88	76	58	92
136	42	11	93	88	76	59	93
137	42	29	93	87	76	58	92
138	42	48	93	87	76	59	92
139	43	6	92	87	76	59	92
140	43	25	93	87	76	58	91
141	43	44	93	87	75	58	91
142	44	2	91	86	76	58	90
143	44	21	92	87	75	59	91

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
82	73	63	103	49	80	132	130	143
82	74	63	104	48	80	132	129	144
84	74	62	105	48	80	133	129	145
83	74	63	105	48	79	133	130	144
83	74	63	105	49	80	133	130	145
83	74	62	105	48	80	133	129	145
86	74	62	105	48	79	133	129	145
84	75	62	105	48	79	134	129	145
85	75	62	106	48	80	134	130	145
86	75	62	107	48	80	133	129	145
86	75	63	106	48	80	135	129	145
86	75	61	105	48	79	135	130	145
85	76	62	106	49	80	134	129	145
86	76	62	106	48	79	134	129	145
87	75	63	106	48	79	135	130	145
87	76	62	106	48	79	134	130	144
87	76	62	106	48	79	134	129	144
87	76	62	106	49	80	134	129	145
88	76	62	105	48	80	135	129	144
87	76	63	106	48	80	135	129	145
87	75	62	105	49	80	135	129	144
89	76	61	106	48	79	134	128	144
87	76	61	105	48	80	135	129	144
87	77	62	105	48	78	134	129	143
87	76	61	106	48	79	134	129	143
89	77	61	106	48	78	134	128	143
88	77	63	105	48	78	134	129	145
88	76	62	105	48	79	133	127	141
90	77	62	105	51	79	131	110	125
92	78	61	103	53	77	129	98	114
91	79	60	101	55	76	126	101	111
91	78	59	100	56	75	124	105	113
89	78	60	97	56	74	121	107	113
89	77	59	97	55	74	122	107	113
89	77	58	96	57	73	121	107	112
88	77	59	95	57	73	119	107	111
88	77	59	94	57	73	118	107	110
88	77	60	94	58	72	117	107	110
88	76	59	93	58	72	117	107	109
88	76	58	92	56	72	117	108	110
88	76	59	93	58	71	115	107	110
87	76	58	92	58	71	115	107	110
87	76	59	92	58	71	114	107	110
87	76	59	92	56	71	116	106	109
87	75	58	91	58	70	115	106	109
87	75	58	91	58	72	114	107	109
86	76	58	90	58	71	113	106	109
87	75	59	91	58	70	114	107	109
87	76	58	91	58	71	113	105	110
85	75	58	90	59	70	114	106	109

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
146	45	16	91	86	74	58	90
147	45	35	90	86	74	59	91
148	45	54	90	85	75	59	90
149	46	12	91	85	75	58	91
150	46	31	91	84	74	59	90
151	46	49	91	84	74	58	90
152	47	8	89	84	74	58	89
153	47	27	88	84	74	58	90
154	47	45	89	85	75	60	89
155	48	4	89	86	74	58	89
156	48	22	89	85	75	58	88
157	48	41	88	86	75	58	89
158	49	0	88	85	75	58	87
159	49	18	88	84	74	58	87
160	49	37	87	86	74	58	87
161	49	55	87	84	74	56	87
162	50	14	87	84	74	57	87
163	50	32	87	84	73	57	86
164	50	51	87	83	74	58	85
165	51	10	87	83	73	57	85
166	51	28	87	82	73	58	86
167	51	47	87	82	73	57	85
168	52	5	87	82	73	58	85
169	52	24	87	83	73	58	85
170	52	42	86	82	74	58	85
171	53	1	85	82	73	58	85
172	53	20	84	82	74	58	85
173	53	38	85	81	73	57	85
174	53	57	85	82	73	58	84
175	54	15	85	82	72	57	84
176	54	34	84	82	72	56	85
177	54	52	85	81	73	58	86
178	55	11	89	81	72	58	89
179	55	30	86	80	72	60	92
180	55	48	87	81	72	59	93
181	56	7	87	80	72	60	96
182	56	25	88	81	72	59	96
183	56	44	89	80	73	59	97
184	57	2	89	81	72	59	99
185	57	21	90	83	73	59	100
186	57	40	91	83	72	59	100
187	57	58	92	83	73	58	100
188	58	17	92	83	73	58	102
189	58	35	92	84	74	59	102
190	58	54	93	86	74	59	103
191	59	12	94	85	74	59	103
192	59	31	92	85	74	58	104
193	59	50	95	86	74	59	104
194	60	8	94	87	75	59	104
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
86	74	58	90	58	71	113	106	109
86	74	59	91	58	71	113	107	109
85	75	59	90	58	71	113	107	110
85	75	58	91	58	71	113	106	109
84	74	59	90	58	71	113	107	109
84	74	58	90	58	70	113	106	109
84	74	58	89	58	70	112	105	108
84	74	58	90	58	71	112	100	104
85	75	60	89	60	71	112	92	100
86	74	58	89	60	71	112	89	98
85	75	58	88	61	71	112	91	97
86	75	58	89	60	70	110	88	96
85	75	58	87	62	69	110	87	94
84	74	58	87	62	69	110	86	94
86	74	58	87	63	68	109	85	94
84	74	56	87	63	68	108	87	93
84	74	57	87	63	67	108	84	93
84	73	57	86	63	68	107	84	92
83	74	58	85	63	67	108	85	92
83	73	57	85	63	67	107	84	92
82	73	58	86	63	67	107	85	92
82	73	57	85	62	67	107	85	92
82	73	58	85	63	67	106	85	92
83	73	58	85	62	68	107	85	92
82	74	58	85	63	67	106	85	92
82	73	58	85	63	67	106	84	92
82	74	58	85	63	67	106	84	92
81	73	57	85	64	66	105	83	92
82	73	58	84	63	66	105	83	92
82	72	57	84	63	66	105	84	92
81	72	56	85	60	68	108	100	108
[illegible]	73	58	86	54	69	112	119	126
81	72	58	89	50	71	116	124	132
80	72	60	92	49	73	119	127	136
81	72	59	93	48	73	122	128	142
80	72	60	96	48	74	124	128	142
81	72	59	96	48	73	127	129	143
80	73	59	97	48	74	126	129	144
81	72	59	99	48	75	129	129	144
83	73	59	100	48	75	129	129	145
83	72	59	100	48	75	130	129	144
83	73	58	100	48	75	131	130	145
83	73	58	102	48	76	132	128	145
84	74	59	102	48	76	131	129	145
86	74	59	103	48	76	133	129	145
85	74	59	103	48	76	132	130	145
85	74	58	104	48	76	134	129	145
85	74	59	104	48	76	133	130	145
87	75	59	104	48	77	133	130	145
87	75	60	10[illegible]	48	76	134	129	145

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
196	60	45	95	87	76	59	105
197	61	4	96	88	75	58	104
198	61	22	95	87	75	58	104
199	61	41	96	88	74	58	105
200	61	59	96	88	76	59	104
201	62	18	96	88	75	58	105
202	62	37	97	88	76	59	105
203	62	55	97	88	76	58	105
204	63	14	96	87	76	59	104
205	63	32	98	88	77	58	102
206	63	51	96	89	76	58	101
207	64	9	96	88	76	58	100
208	64	28	95	89	76	58	100
209	64	47	97	88	76	61	101
210	65	5	97	89	76	59	100
211	65	24	96	89	76	59	101
212	65	42	97	88	76	59	100
213	66	1	96	88	77	59	98
214	66	19	95	87	76	58	96
215	66	38	95	88	76	57	96
216	66	57	95	89	76	58	96
217	67	15	95	90	77	62	95
218	67	34	93	90	79	69	96
219	67	52	95	89	81	74	96
220	68	11	96	91	82	79	96
221	68	29	94	91	84	82	96
222	68	48	95	91	85	84	95
223	69	7	96	92	87	85	94
224	69	25	96	92	88	88	94
225	69	44	96	93	89	88	94
226	70	2	97	92	88	90	94
227	70	21	96	93	89	82	94
228	70	39	97	94	89	73	96
229	70	58	97	93	88	75	96
230	71	9	96	93	89	79	97
231	71	35	97	94	91	83	97
232	71	54	97	94	91	87	97
233	72	12	98	94	93	89	96
234	72	31	98	94	93	89	96
235	*	*	*	*	*	*	*

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
87	76	59	105	48	77	136	130	145
88	75	58	104	48	76	135	130	146
87	75	58	104	48	76	135	129	145
88	74	58	105	49	77	135	129	145
88	76	59	104	48	76	136	130	146
88	75	58	105	49	76	135	129	145
88	76	59	105	49	77	135	127	142
88	76	58	105	51	76	131	116	131
87	76	59	104	53	76	129	111	121
88	77	58	102	53	76	129	111	121
89	76	58	101	51	74	129	122	132
88	76	58	100	51	74	129	123	136
89	76	58	100	50	74	129	124	138
88	76	61	101	53	75	127	116	124
89	76	59	100	54	74	126	111	119
89	76	59	101	55	75	123	109	115
88	76	59	100	57	75	123	109	114
88	77	59	98	59	76	123	108	112
87	76	58	96	58	74	121	107	110
88	76	57	96	58	72	120	105	109
89	76	58	95	58	73	118	99	105
90	77	62	95	60	73	116	87	95
90	79	69	96	61	71	114	79	88
89	81	74	96	61	71	114	76	83
91	82	79	96	61	72	114	74	82
91	84	82	96	62	73	113	75	82
91	85	84	95	64	73	111	75	81
92	87	85	94	63	75	109	76	81
92	88	88	94	61	76	108	77	82
93	89	88	94	63	76	108	77	82
92	88	90	94	61	77	107	78	82
93	89	82	94	62	77	102	78	83
94	89	73	96	63	77	117	72	79
93	88	75	96	64	75	114	68	74
93	89	79	97	64	73	113	65	72
94	91	83	97	64	74	113	66	72
94	91	87	97	65	74	112	66	70
94	93	89	96	65	76	111	67	71
94	93	89	96	65	75	110	68	72
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-2 ENG. OI COOLE OI INLE DEG.
1	0	19	53	53	58	54	55	54
2	*	*	53	53	57	53	55	54
3	0	56	53	53	57	53	55	54
4	1	14	54	53	57	54	55	55
5	1	33	54	53	57	53	55	55
6	1	52	53	53	57	54	55	54
7	2	10	54	53	56	53	56	54
8	2	29	54	53	56	53	55	54
9	2	48	54	53	56	53	56	55
10	3	6	53	53	56	53	55	54
11	3	25	53	53	55	53	55	54
12	3	44	54	54	55	53	55	54
13	4	2	54	53	54	53	55	55
14	4	21	53	53	55	53	55	54
15	4	39	54	54	55	53	55	54
16	4	58	54	53	54	53	55	54
17	5	17	53	53	54	52	55	54
18	5	35	54	54	55	53	55	54
19	5	54	54	53	56	53	55	54
20	6	13	53	53	56	53	55	54
21	6	31	53	52	56	53	55	54
22	6	50	53	53	57	52	55	54
23	7	9	53	53	56	53	54	54
24	7	27	53	53	59	52	55	54
25	7	46	53	53	59	52	55	54
26	8	4	54	53	59	53	55	54
27	8	23	53	53	59	52	55	54
28	8	42	54	52	61	52	54	54
29	9	0	53	51	61	51	55	54
30	9	19	54	53	60	52	55	54
31	9	38	53	53	60	51	55	54
32	9	56	54	52	61	52	55	54
33	10	15	53	52	61	52	55	54
34	10	33	53	53	60	52	55	54
35	10	52	53	52	60	52	55	54
36	11	11	53	52	61	52	55	54
37	11	29	53	53	62	53	54	54
38	11	48	53	51	61	52	55	54
39	12	7	53	52	62	52	55	54
40	12	25	53	51	62	52	55	54
41	12	44	53	53	61	51	55	54
42	13	2	54	53	60	53	55	54

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
53	58	54	55	54	55	53	55	55
53	57	53	55	54	55	54	55	55
53	57	53	55	54	56	53	55	55
53	57	54	55	55	55	53	55	55
53	57	53	55	55	55	53	55	55
53	57	54	55	54	55	53	54	55
53	56	53	56	54	54	54	55	55
53	56	53	55	54	54	53	55	55
53	56	53	56	55	54	54	55	55
53	56	53	55	54	55	53	54	55
53	55	53	55	54	54	54	55	55
54	55	53	55	54	54	53	55	55
53	54	53	55	55	54	53	55	55
53	55	53	56	54	54	53	55	54
54	55	53	55	54	54	53	55	54
53	54	53	55	54	54	53	55	54
53	54	52	55	55	54	52	54	54
54	55	53	55	55	54	52	54	54
53	56	53	55	54	54	52	54	54
53	58	53	55	54	55	52	55	54
52	58	53	55	55	53	52	55	53
53	57	52	55	54	53	51	55	54
53	59	53	54	54	54	52	54	54
53	59	52	55	55	54	52	55	53
53	59	52	55	55	53	52	55	54
53	59	53	55	55	53	52	55	55
53	59	52	54	54	54	52	55	54
52	61	52	55	54	54	52	55	55
51	61	51	55	55	53	51	55	53
53	60	52	55	55	53	52	55	54
53	60	51	55	55	53	53	54	53
52	61	52	55	55	53	52	54	54
52	61	52	55	55	53	51	55	53
53	60	52	55	55	53	51	55	53
52	60	52	55	54	53	50	54	53
52	61	52	55	54	53	50	56	53
53	62	53	54	54	53	50	55	53
51	61	52	55	55	54	50	55	53
52	62	52	55	54	54	50	55	53
51	62	52	55	54	52	50	55	53
53	61	51	55	52	52	51	53	53
53	64	53	55	55	54	54	55	57
50	64	56	57	59	58	80	58	65
[illegible]	[illegible]	[illegible]	[illegible]	63	145	123	63	133

2

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	E CO I C
46	14	17	75	76	64	75	59	
47	14	36	78	78	67	80	66	
48	14	54	80	80	68	83	68	
49	15	13	82	82	68	86	70	
50	15	32	84	84	69	89	72	
51	15	50	95	94	71	93	74	
52	16	9	110	109	73	112	79	
53	16	27	118	120	69	131	79	
54	16	46	121	124	67	146	81	
55	17	5	122	126	68	150	84	
56	17	23	123	127	68	154	85	
57	17	42	123	127	69	156	87	
58	18	1	123	127	69	158	89	
59	18	19	121	127	68	156	91	
60	18	38	118	126	67	150	90	
61	18	56	118	125	69	146	92	
62	19	15	123	127	64	145	90	
63	19	34	129	130	64	153	92	
64	19	52	131	132	63	160	92	
65	20	11	132	132	62	165	92	
66	20	29	132	133	61	167	92	
67	20	48	131	133	62	169	93	
68	21	7	132	134	61	169	93	
69	21	25	132	134	60	169	92	
70	21	44	132	133	60	170	94	
71	22	2	132	133	61	168	93	
72	22	21	131	133	59	169	94	
73	22	40	132	132	60	169	95	
74	22	58	132	132	59	168	93	
75	23	17	131	132	60	169	94	
76	23	36	132	132	59	169	94	
77	23	54	131	131	59	169	93	
78	24	13	130	131	59	169	93	
79	24	31	130	131	59	168	93	
80	24	50	131	131	58	168	94	
81	25	9	131	130	58	168	94	
82	25	27	129	131	59	167	93	
83	25	46	129	131	58	167	94	
84	26	4	130	131	58	167	93	
85	26	23	130	131	58	168	94	
86	26	42	129	131	58	167	93	
87	27	0	129	130	59	167	93	
88	27	19	129	130	58	167	94	
89	27	37	129	131	58	167	94	
90	27	56	123	128	60	165	96	
91	28	15	121	127	62	159	96	
92	28	33	123	126	57	158	93	
93	28	52	129	129	56	160	94	
94	29	10	133	133	57	165	93	
95	29	29	135	135	57	168	94	

7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
76	64	75	59	69	202	219	67	223
78	67	80	66	72	218	267	69	259
80	68	83	68	75	230	310	71	288
82	68	86	70	78	239	348	73	315
84	69	89	72	80	245	379	75	336
94	71	93	74	87	315	417	78	354
109	73	112	79	93	357	443	83	364
120	69	131	79	98	380	461	86	368
124	67	146	81	102	373	467	88	371
126	68	150	84	105	375	468	90	378
127	68	154	85	108	377	470	91	384
127	69	156	87	110	376	470	94	387
127	69	158	89	113	371	468	97	391
127	68	156	91	113	358	460	97	389
126	67	150	90	116	352	452	97	386
125	69	146	92	117	348	446	99	385
127	64	145	90	119	389	457	98	393
130	64	153	92	121	409	479	100	410
132	63	160	92	123	412	496	100	423
132	62	165	92	123	414	507	101	433
133	61	167	92	126	415	514	101	441
133	62	169	93	125	415	518	102	443
134	61	169	93	126	413	520	102	446
134	60	169	92	127	415	520	103	449
133	60	170	94	127	413	521	103	449
133	61	168	93	127	412	522	102	449
133	59	169	94	127	413	522	104	449
132	60	169	95	128	413	523	104	450
132	59	168	93	129	414	523	103	450
132	60	169	94	129	413	524	103	452
132	59	169	94	129	412	523	103	452
131	59	169	93	129	412	523	104	451
131	59	169	93	129	412	523	103	452
131	59	168	93	129	412	523	104	451
131	58	169	94	129	411	523	104	451
130	58	168	94	130	411	523	103	452
131	59	167	93	130	412	523	104	452
131	58	167	94	129	410	522	104	451
131	58	167	93	130	410	522	104	451
131	58	168	94	130	410	522	104	451
131	58	167	93	129	409	521	104	450
130	58	167	93	129	411	522	104	451
130	58	167	94	130	411	523	104	453
131	58	167	94	129	401	520	104	450
128	60	165	96	128	373	501	104	436
127	62	159	96	128	369	486	105	427
126	57	158	93	128	388	487	102	426
129	56	160	94	129	423	509	104	438
133	57	165	93	130	437	532	104	452
135	57	168	94	132	442	549	105	466

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	E C(1 [
96	29	48	135	136	58	169	93	
97	30	6	136	136	56	171	94	
98	30	25	137	136	56	171	95	
99	30	43	135	137	57	172	96	
100	31	2	136	137	57	172	95	
101	31	20	136	137	56	172	95	
102	31	39	136	137	57	171	96	
103	31	58	136	137	56	173	95	
104	32	16	136	137	56	173	95	
105	32	35	135	137	55	172	96	
106	32	53	136	137	56	172	96	
107	33	12	136	136	56	172	96	
108	33	31	136	138	55	171	96	
109	33	49	136	137	56	172	95	
110	34	8	135	136	56	172	96	
111	34	26	136	136	55	171	95	
112	34	45	135	136	55	171	95	
113	35	3	135	136	54	171	95	
114	35	22	135	136	55	172	95	
115	35	41	135	136	55	171	94	
116	35	59	135	136	56	171	96	
117	36	18	135	136	55	170	96	
118	36	36	135	137	54	171	95	
119	36	55	135	136	55	171	95	
120	37	14	135	136	55	171	96	
121	37	32	134	135	55	170	95	
122	37	51	134	135	55	171	94	
123	38	9	133	134	55	171	95	
124	38	28	124	126	55	168	94	
125	38	46	116	114	55	157	91	
126	39	5	110	110	54	142	89	
127	39	24	109	111	54	134	89	
128	39	42	108	113	55	132	87	
129	40	1	107	113	54	133	88	
130	40	19	106	113	54	132	87	
131	40	38	106	113	54	130	87	
132	40	56	105	113	54	131	86	
133	41	15	105	113	53	129	85	
134	41	34	105	113	54	128	84	
135	41	52	106	113	55	129	84	
136	42	11	106	113	54	129	84	
137	42	29	106	113	54	129	84	
138	42	48	105	113	54	129	83	
139	43	6	105	113	54	129	84	
140	43	25	105	113	54	128	84	
141	43	44	105	113	54	129	83	
142	44	2	105	113	54	128	83	
143	44	21	105	113	54	129	83	
144	44	39	105	113	53	129	83	
145	44	58	105	112	54	129	8	

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-17	7-18	7-21	7-22	7-23	7-24	7-25	7-26	7-27
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
PRS	OIL	COMPRS	OIL	OIL	GAS	POWER	OIL	POWER
CSE	COOLER	CSE	COOLER	COOLER	GN TRB	TURB	COOLER	TURB
G.4	AIR	STG.5	AIR	OIL	CSE	CASE	OIL	CASE
.00	INLET	6.00	OUTLET	INLET	12.00	4.00	OUTLET	12.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
36	58	169	93	132	442	562	107	475
36	56	171	94	132	445	572	106	480
36	56	171	95	132	444	577	106	484
37	57	172	96	133	442	580	107	486
37	57	172	95	133	441	582	107	487
37	56	172	95	132	440	583	106	488
37	57	171	96	133	441	585	106	489
37	56	173	95	133	444	586	106	492
37	56	173	95	134	441	585	107	490
37	55	172	96	134	443	587	106	489
37	56	172	96	135	442	587	107	491
36	56	172	96	134	443	587	107	492
36	55	171	96	134	441	587	107	490
37	56	172	95	134	441	586	108	489
36	56	172	96	134	442	586	106	491
36	55	171	95	134	440	588	106	491
36	55	171	95	134	441	586	107	490
36	54	171	95	135	442	587	107	491
36	55	172	95	134	441	586	106	490
36	55	171	94	134	442	585	107	493
36	56	171	96	134	439	586	107	491
36	55	170	96	134	442	586	106	492
37	54	171	95	134	440	586	106	489
36	55	171	95	134	438	586	107	488
36	55	171	96	134	441	585	105	492
35	55	170	95	134	440	586	106	491
35	55	171	94	134	439	585	107	489
34	55	171	95	134	429	583	106	486
34	55	168	94	131	377	552	104	472
34	55	157	91	126	338	518	100	454
33	54	142	89	125	325	482	98	432
33	54	134	89	124	327	455	98	412
33	55	132	87	122	332	439	97	399
33	54	133	88	121	331	429	97	390
33	54	132	87	121	327	420	95	385
33	54	130	87	118	324	415	94	378
33	54	131	86	118	325	411	94	376
33	53	129	85	117	325	407	94	371
33	54	128	84	117	324	404	94	368
33	55	129	84	116	326	403	93	366
33	54	129	84	115	325	402	93	365
33	54	129	84	117	325	401	92	365
33	54	129	83	115	325	400	93	364
33	54	129	84	116	325	398	92	363
33	54	128	84	115	326	399	93	361
33	54	129	83	116	324	398	92	361
33	54	128	83	114	325	397	92	361
33	54	129	84	114	324	398	92	359
33	53	129	83	113	325	396	92	360
33	54	129	83	113	324	396	91	359

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C
146	45	16	104	113	54	129	83
147	45	35	103	113	55	128	83
148	45	54	104	112	55	129	82
149	46	12	104	112	54	129	83
150	46	31	105	113	53	128	82
151	46	49	104	113	53	128	82
152	47	8	104	112	53	127	82
153	47	27	103	110	54	128	83
154	47	45	101	102	55	125	84
155	48	4	99	98	53	120	81
156	48	22	98	96	53	115	80
157	48	41	97	94	53	113	80
158	49	0	97	93	52	111	80
159	49	18	96	91	53	109	80
160	49	37	96	91	53	108	80
161	49	55	96	92	53	106	80
162	50	14	96	89	53	105	80
163	50	32	95	88	53	104	79
164	50	51	95	89	53	104	80
165	51	10	95	88	53	104	79
166	51	28	95	88	53	104	79
167	51	47	95	89	53	103	79
168	52	5	95	88	53	104	79
169	52	24	95	89	53	104	79
170	52	42	95	89	53	104	78
171	53	1	94	89	53	105	78
172	53	20	94	88	52	104	79
173	53	38	95	87	53	104	78
174	53	57	95	87	53	103	78
175	54	15	96	88	53	104	79
176	54	34	98	94	52	105	79
177	54	52	115	112	53	122	81
178	55	11	126	122	52	142	84
179	55	30	130	128	53	155	84
180	55	48	133	131	52	162	86
181	56	7	135	134	52	167	87
182	56	25	135	135	52	170	87
183	56	44	136	136	53	171	89
184	57	2	135	136	53	171	90
185	57	21	136	137	53	173	90
186	57	40	137	137	53	174	91
187	57	58	138	138	53	173	91
188	58	17	137	136	52	173	91
189	58	35	137	137	53	173	92
190	58	54	137	137	53	173	92
191	59	12	136	137	52	173	92
192	59	31	136	136	52	173	92
193	59	50	136	137	53	173	92
194	60	8	136	136	53	173	93
195	60	27	137	137	52	173	93

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7-17 ENG.1 MPRS CSE TG.4 .00 EG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
113	54	129	83	113	324	395	91	359
113	55	128	83	113	325	395	91	361
112	55	129	82	113	324	395	91	358
112	54	129	83	113	324	396	91	358
113	53	128	82	113	324	396	91	359
113	53	128	82	113	325	395	91	359
112	53	127	82	112	324	396	92	358
110	54	126	83	113	314	394	90	358
102	55	125	84	112	299	394	90	359
98	53	120	81	111	294	392	89	359
96	53	115	80	111	294	390	88	359
94	53	113	80	110	290	385	88	357
93	52	111	80	108	290	381	87	357
91	53	109	80	109	287	379	87	356
91	53	108	80	108	285	377	87	354
92	53	106	80	108	285	374	87	355
89	53	105	80	109	285	374	87	355
88	53	104	79	107	284	373	87	355
89	53	104	80	107	285	372	86	354
88	53	104	79	107	284	372	86	355
88	53	104	79	107	284	372	86	354
89	53	103	79	106	284	371	85	354
88	53	104	79	106	284	371	86	354
89	53	104	79	106	286	371	85	355
89	53	104	78	107	285	371	85	354
89	53	105	78	106	285	372	86	355
88	52	104	79	107	284	371	85	355
87	53	104	78	105	284	371	85	354
87	53	103	78	105	285	370	85	355
88	53	104	79	105	282	371	85	352
94	52	105	79	107	348	387	87	353
12	53	122	81	112	427	441	90	393
22	52	142	84	116	446	493	92	427
28	53	155	84	119	450	530	94	452
31	52	162	86	121	454	555	97	469
34	52	167	87	124	455	572	98	480
35	52	170	87	126	455	583	100	486
36	53	171	89	128	455	591	100	493
36	53	171	90	128	454	596	101	497
37	53	173	90	129	450	599	102	499
37	53	174	91	129	450	602	103	500
38	53	173	91	130	452	603	104	501
36	52	173	91	130	452	604	103	504
37	53	173	92	132	451	604	104	505
37	53	173	92	132	450	605	104	504
37	52	173	92	133	449	606	105	506
36	52	173	92	133	451	606	104	511
37	53	173	92	133	451	606	106	508
38	53	173	93	133	447	607	105	507
37	52	173	93	134	449	606	106	507

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7-17 NG.1 PRS CSE G.4 .00 G.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
137	53	173	94	134	449	607	106	507
137	53	173	94	135	449	606	106	508
137	52	173	94	135	448	606	106	506
137	52	173	95	135	450	607	106	507
138	52	173	94	135	449	608	106	507
136	51	173	94	135	449	607	106	507
136	53	173	94	135	433	603	106	502
129	57	171	95	132	379	565	106	479
123	52	161	92	129	346	520	102	451
119	53	150	88	129	349	488	100	430
124	53	149	89	129	420	503	102	439
127	51	155	90	129	431	525	100	453
130	53	161	91	130	436	544	102	462
127	56	161	93	127	380	529	101	451
122	58	155	93	126	341	498	102	430
118	56	146	90	125	332	468	99	415
116	53	141	89	123	329	449	97	404
115	54	137	88	123	326	436	98	394
114	50	134	86	121	326	427	95	387
113	51	132	86	120	324	420	94	381
110	50	130	92	118	321	418	98	382
102	55	128	101	116	306	415	105	387
92	56	116	105	114	306	406	112	377
86	58	106	105	112	304	390	112	365
83	64	100	98	112	302	376	111	352
80	65	95	96	111	299	363	110	343
80	64	93	96	111	297	353	110	336
80	64	92	96	110	294	343	109	332
80	63	92	97	110	290	335	108	327
80	64	91	96	109	286	328	108	323
81	64	92	98	109	286	323	107	319
81	66	91	98	103	283	319	107	317
79	64	90	101	117	263	308	114	307
75	63	85	105	114	243	292	114	293
71	64	81	104	112	237	280	113	277
70	68	79	100	113	233	268	113	267
69	68	77	99	112	232	258	112	259
69	68	77	98	111	230	251	112	254
69	68	76	97	111	228	245	112	249
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
1	0	19	54
2	*	*	55
3	0	56	54
4	1	14	54
5	1	33	54
6	1	52	54
7	2	10	54
8	2	29	54
9	2	48	55
10	3	6	53
11	3	25	53
12	3	44	54
13	4	2	53
14	4	21	53
15	4	39	53
16	4	58	53
17	5	[illegible]	53
18	5	[illegible]	53
19	5	54	53
20	6	13	53
21	6	31	51
22	6	50	53
23	7	9	51
24	7	27	53
25	7	46	51
26	8	4	52
27	8	23	52
28	8	42	51
29	9	0	51
30	9	19	51
31	9	38	52
32	9	56	51
33	10	15	51
34	10	33	51
35	10	52	50
36	11	11	51
37	11	29	50
38	11	48	50
39	12	7	50
40	12	25	50
41	12	44	50
42	13	2	50
43	13	21	51
44	*	*	53
45	13	59	54

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
46	14	17	56
47	14	36	59
48	14	54	62
49	15	13	64
50	15	32	67
51	15	50	74
52	16	9	82
53	16	27	90
54	16	46	99
55	17	5	108
56	17	23	116
57	17	42	123
58	18	1	130
59	18	19	135
60	18	38	142
61	18	56	147
62	19	15	152
63	19	34	156
64	19	52	163
65	20	11	168
66	20	29	173
67	20	48	177
68	21	7	180
69	21	25	184
70	21	44	187
71	22	2	189
72	22	21	193
73	22	40	194
74	22	58	197
75	23	17	197
76	23	36	198
77	23	54	200
78	24	13	201
79	24	31	202
80	24	50	203
81	25	9	204
82	25	27	205
83	25	46	206
84	26	4	207
85	26	23	207
86	26	42	208
87	27	0	208
88	27	19	208
89	27	37	207
90	27	56	208
91	28	15	209
92	28	33	208
93	28	52	207
94	29	10	206
95	29	29	208

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
96	29	48	209
97	30	6	210
98	30	25	211
99	30	43	210
100	31	2	210
101	31	20	210
102	31	39	211
103	31	58	211
104	32	16	212
105	32	35	213
106	32	53	213
107	33	12	213
108	33	31	213
109	33	49	213
110	34	8	214
111	34	26	214
112	34	45	214
113	35	3	215
114	35	22	215
115	35	41	215
116	35	59	215
117	36	18	215
118	36	36	215
119	36	55	215
120	37	14	214
121	37	32	215
122	37	51	216
123	38	9	215
124	38	28	215
125	38	46	213
126	39	5	209
127	39	24	207
128	39	42	205
129	40	1	201
130	40	19	198
131	40	38	196
132	40	56	193
133	41	15	192
134	41	34	189
135	41	52	187
136	42	11	185
137	42	29	184
138	42	48	183
139	43	6	182
140	43	25	181
141	43	44	179
142	44	2	178
143	44	21	176
[illegible]	44	39	177

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
146	45	16	175
147	45	35	175
148	45	54	175
149	46	12	175
150	46	31	173
151	46	49	173
152	47	8	172
153	47	27	171
154	47	45	170
155	48	4	169
156	48	22	167
157	48	41	166
158	49	0	165
159	49	18	164
160	49	37	163
161	49	55	161
162	50	14	161
163	50	32	159
164	50	51	160
165	51	10	157
166	51	28	157
167	51	47	156
168	52	5	155
169	52	24	154
170	52	42	155
171	53	1	152
172	53	20	153
173	53	38	152
174	53	57	152
175	54	15	152
176	54	34	152
177	54	52	155
178	55	11	159
179	55	30	164
180	55	48	168
181	56	7	173
182	56	25	176
183	56	44	179
184	57	2	184
185	57	21	187
186	57	40	189
187	57	58	192
188	58	17	194
189	58	35	196
190	58	54	199
191	59	12	200
192	59	31	203
193	59	50	204
194	60	8	206
195	60	27	208

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
196	60	45	208
197	61	4	209
198	61	22	210
199	61	41	210
200	61	59	211
201	62	18	210
202	62	37	211
203	62	55	210
204	63	14	208
205	63	32	207
206	63	51	206
207	64	9	205
208	64	28	205
209	64	47	205
210	65	5	203
211	65	24	202
212	65	42	201
213	66	1	199
214	66	19	198
215	66	38	195
216	66	57	193
217	67	15	192
218	67	34	191
219	67	52	192
220	68	11	192
221	68	29	191
222	68	48	189
223	69	7	189
224	69	25	189
225	69	44	189
226	70	2	189
227	70	21	187
228	70	39	186
229	70	58	186
230	71	9	185
231	71	35	183
232	71	54	182
233	72	12	180
234	72	31	179
235	*	*	0

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CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 ◊125 DEC F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	E
1	*	*	54	54	53	54	53	
2	0	39	54	53	53	54	53	
3	0	58	54	54	53	53	53	
4	1	17	53	54	53	54	53	
5	1	35	54	53	53	54	53	
6	1	54	54	54	53	54	53	
7	2	12	54	53	53	54	53	
8	2	31	54	53	53	54	53	
9	2	50	54	53	53	54	53	
10	3	8	54	54	53	54	53	
11	3	27	54	53	53	54	53	
12	3	46	54	53	53	54	53	
13	4	4	54	53	53	54	53	
14	4	23	53	54	53	54	53	
15	4	42	54	53	53	55	53	
16	5	0	54	53	53	54	53	
17	*	*	54	53	53	54	53	
18	5	38	54	53	54	55	53	
19	5	56	54	53	53	54	54	
20	*	*	53	54	53	54	54	
21	6	33	54	54	53	55	53	
22	6	52	55	54	53	55	53	
23	*	*	54	54	53	55	53	
24	7	29	53	53	53	54	53	
25	7	48	54	53	54	55	53	
26	*	*	54	54	53	54	53	
27	8	25	54	54	53	54	53	
28	8	44	54	54	53	55	53	
29	9	2	54	54	53	55	53	
30	9	21	54	53	53	55	53	
31	9	40	54	54	53	54	53	
32	9	58	55	53	54	55	53	
33	*	*	54	54	53	55	53	
34	10	36	54	53	53	55	53	
35	10	54	54	53	53	55	53	
36	11	13	54	54	53	54	54	
37	11	30	55	53	53	55	53	
38	11	50	54	53	53	54	54	
39	12	9	54	55	53	55	53	
40	12	27	53	54	53	54	54	
41	12	46	53	53	53	54	53	
42	13	5	55	54	53	55	53	
43	13	23	54	54	53	55	53	
44	13	42	55	53	53	55	53	
45	14	0	54	53	53	55	53	

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14 JULY 1970
RUN NO. 26 +125 DEG F

06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
IT	LUBE	FUEL	SCAVAG	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
TR	PUMP	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
NT	INLET	CASE	OUTLET	CASE	STG.2	STG.3	STG.3	STG.3
MP	OIL	TEMP	OIL	TEMP	4.30	3.00	4.30	6.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
4	53	54	53	53	53	54	55	53
3	53	54	53	54	53	54	54	53
4	53	53	53	53	54	54	55	54
	53	54	53	53	54	54	53	54
3	53	54	53	53	54	54	55	54
4	53	54	53	53	54	53	53	53
3	53	[illegible]	53	53	54	54	54	54
3	53	54	53	54	55	53	54	54
3	53	54	53	53	53	53	55	53
4	53	54	53	53	53	54	55	53
3	53	54	53	53	53	54	55	53
3	53	54	53	53	54	54	54	54
3	53	54	53	54	53	54	55	53
4	53	54	53	53	54	53	54	54
3	53	55	53	54	53	53	54	54
3	53	54	53	53	53	54	55	53
3	53	54	53	53	53	54	55	53
3	54	55	53	53	54	53	55	54
3	53	54	54	53	53	54	53	53
4	53	54	54	53	54	54	55	54
	53	55	53	53	54	54	53	54
4	53	55	53	54	54	53	53	54
3	53	55	53	57	54	53	55	54
3	53	54	53	53	53	54	54	53
3	54	55	53	53	54	53	54	54
4	53	54	53	53	54	54	54	53
	53	54	53	54	54	54	54	53
	53	55	53	53	54	53	54	53
4	53	55	53	53	54	53	53	54
3	53	55	53	53	54	53	54	53
4	53	54	53	53	53	54	56	53
	54	55	53	54	54	53	55	54
	53	55	53	53	54	54	54	54
3	53	55	53	53	54	53	54	54
3	53	55	53	54	54	53	54	54
4	53	54	54	53	54	54	55	54
	53	55	53	54	55	53	55	54
	53	54	54	53	53	54	55	53
	53	55	53	53	55	55	54	54
	53	54	54	53	53	54	55	53
3	53	54	53	53	54	54	54	55
	53	55	53	53	53	54	55	53
	53	55	53	53	55	54	54	54
	53	55	53	53	54	54	55	54

2

8-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-1 ENG. FUE PUM CAS TEM DEG.
46	14	19	55	54	53	56	53	53
47	14	38	54	53	53	54	53	53
48	14	56	54	53	53	54	53	54
49	15	15	54	54	53	54	53	53
50	15	34	54	54	53	54	53	53
51	32	32	54	54	53	55	54	53
52	16	11	55	53	53	54	53	53
53	16	30	54	53	53	55	53	53
54	16	48	53	54	53	55	54	53
55	17	7	54	54	53	58	55	54
56	17	25	55	54	55	62	60	5
57	17	44	55	54	58	65	65	5
58	18	3	55	54	63	69	71	5
59	18	21	57	54	67	72	79	5
60	18	40	57	55	71	75	85	5
61	18	59	58	57	75	76	90	5
62	19	17	59	58	78	77	95	5
63	19	36	61	60	82	78	99	5
64	19	54	62	62	85	78	104	5
65	20	13	63	64	86	78	106	5
66	20	32	65	65	88	79	110	5
67	20	50	65	68	92	78	112	5
68	21	9	67	71	93	78	113	5
69	21	27	67	73	94	78	114	5
70	21	46	69	75	94	79	116	5
71	22	5	71	78	97	78	117	5
72	22	23	72	80	96	78	120	5
73	22	42	73	80	97	77	119	
74	23	0	74	83	98	77	121	
75	23	19	75	83	99	77	122	
76	23	36	76	85	99	77	123	
77	23	56	76	85	101	76	122	
78	24	15	77	87	101	74	124	
79	24	33	78	89	100	76	124	
80	24	52	78	90	100	77	123	
81	25	11	80	90	101	75	123	
82	25	29	80	91	102	76	124	
83	25	48	80	92	101	76	123	
84	26	6	82	93	101	76	124	
85	26	25	82	94	101	76	126	
86	26	44	82	95	102	76	124	
87	27	2	83	95	101	76	124	
88	27	21	82	95	102	74	124	
89	27	40	83	96	102	77	124	
90	27	58	84	96	102	76	124	
91	28	17	84	97	101	74	123	
92	28	35	84	97	101	73	122	
93	28	54	83	96	99	73	121	
94	29	13	83	96	98	72	119	
95	29	31	83	96	98	71	119	

-06 G.2 NIT ITR UNT EMP G.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
54	53	56	53	53	54	55	54	54
53	53	54	53	53	54	54	54	53
53	53	54	53	54	54	54	55	53
54	53	54	53	53	54	54	55	53
54	53	54	53	53	54	54	55	53
54	53	55	54	53	54	54	54	53
53	53	54	53	53	54	54	54	53
53	53	55	53	53	55	54	55	53
54	53	55	54	53	54	54	55	54
54	53	58	56	54	56	59	58	54
54	55	62	60	55	67	73	*	58
54	58	65	65	57	75	80	80	63
54	63	69	71	58	78	92	89	69
54	67	72	79	59	80	96	98	77
55	71	75	85	58	84	98	100	83
57	75	76	90	57	85	100	101	87
58	78	77	95	53	88	106	115	92
60	82	78	99	52	92	106	116	96
62	85	78	104	50	89	106	116	98
64	86	78	106	50	92	106	118	101
65	88	79	110	49	92	107	116	103
68	92	78	112	50	92	107	118	104
71	93	78	113	49	88	105	117	105
73	94	78	114	49	91	106	118	106
75	94	79	116	48	90	105	116	105
78	97	78	117	49	90	105	116	105
80	96	78	120	48	88	106	116	105
80	97	77	119	49	93	106	118	107
83	98	77	121	49	90	105	115	106
83	99	77	122	49	88	105	115	105
85	99	77	123	49	89	105	114	105
85	101	76	122	49	90	105	115	104
87	101	74	124	50	92	105	116	106
89	100	76	124	49	89	105	115	106
90	100	77	123	50	90	104	116	106
90	101	76	123	49	88	103	114	106
91	102	76	124	50	92	105	116	106
92	101	76	123	48	87	104	113	104
93	101	76	124	49	89	104	113	104
94	101	76	126	50	92	104	115	106
95	102	76	124	50	90	104	115	106
95	101	76	124	50	92	104	116	106
95	[illegible]	74	124	50	86	103	114	104
96	102	77	124	50	86	100	111	102
96	102	76	124	53	83	94	98	101
97	101	74	123	54	80	94	94	98
97	101	73	122	56	80	94	93	97
96	99	73	121	55	80	93	97	96
96	98	72	119	56	80	93	97	94
96	98	71	119	56	81	92	97	94

2

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
96	29	50	83	95	97	72	118
97	30	8	83	95	96	72	117
98	30	27	83	94	96	72	118
99	30	45	84	95	96	71	117
100	31	4	84	94	96	71	116
101	31	23	83	93	95	72	116
102	31	41	84	92	95	71	116
103	32	0	83	92	95	71	116
104	32	18	83	92	95	71	116
105	32	37	83	92	96	72	116
106	32	56	83	91	95	71	117
107	33	14	84	92	96	71	117
108	33	33	84	92	94	71	115
109	33	51	83	91	95	71	115
110	34	10	83	91	94	70	115
111	34	28	83	92	93	71	115
112	34	47	83	90	95	72	114
113	35	6	84	92	94	72	116
114	35	24	83	91	94	70	114
115	35	43	83	92	93	70	115
116	36	1	83	93	94	70	116
117	36	20	84	92	94	70	114
118	36	37	83	92	93	71	116
119	36	57	83	92	93	71	115
120	37	16	84	91	94	70	114
121	37	34	83	92	94	70	114
122	37	53	84	93	93	69	115
123	38	11	83	92	93	72	115
124	38	30	83	92	93	70	114
125	38	49	83	92	95	71	116
126	39	7	84	92	94	73	119
127	39	26	84	92	96	72	120
128	39	44	85	92	97	73	123
129	40	3	86	93	98	72	124
130	40	21	85	93	99	73	124
131	40	40	86	94	101	73	124
132	40	59	87	95	101	72	126
133	41	17	87	96	101	72	125
134	41	36	87	96	101	73	127
135	41	54	87	97	102	72	127
136	42	13	88	98	102	72	126
137	42	31	89	99	102	72	128
138	42	50	89	99	102	73	129
139	43	9	89	101	103	73	130
140	43	27	90	100	103	73	128
141	43	46	90	102	103	72	129
142	44	4	90	101	102	73	128
143	44	23	90	102	103	73	129
144	44	41	91	102	104	73	128
145	45	0	92	103	104	72	128

06	8-07	8-08	8-09	8-10	8-11	8-12	8-13	8-14
.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
NIT	LUBE	FUEL	SCAVAG	FUEL	COMPRS	COMPRS	COMPRS	COMPRS
ITR	PUMP	CONTRL	PUMP	PUMP	CSE	CSE	CSE	CSE
NT	INLET	CASE	OUTLET	CASE	STG.2	STG.3	STG.3	STG.3
MP	OIL	TEMP	OIL	TEMP	4.30	3.00	4.30	6.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
5	97	72	118	57	80	91	97	95
5	96	72	117	56	83	91	97	95
4	96	72	118	55	80	92	96	94
5	96	71	117	57	79	92	96	94
4	96	71	116	58	80	92	96	93
3	95	72	116	56	78	91	95	93
2	95	71	116	56	80	91	96	93
2	95	71	116	58	80	90	97	94
2	95	71	116	57	80	92	96	93
2	96	72	116	57	81	92	96	94
1	95	71	117	57	79	91	97	95
2	96	71	117	56	80	92	97	94
2	94	71	115	57	80	91	96	94
1	95	71	115	57	80	92	97	93
1	94	70	115	57	79	92	96	94
2	93	71	115	56	78	92	96	93
0	95	72	114	56	80	92	96	94
2	94	72	116	56	80	91	96	93
1	94	70	114	56	79	91	96	94
2	93	70	115	57	79	91	97	94
3	94	70	116	56	78	92	97	93
2	94	70	114	56	81	92	97	95
2	93	71	116	55	78	91	96	94
2	93	71	115	57	80	91	96	94
1	94	70	114	57	79	91	96	94
2	94	70	114	56	79	91	96	93
3	93	69	115	57	80	91	96	94
2	93	72	115	56	78	87	94	93
2	93	70	114	56	77	93	96	92
2	95	71	116	54	86	102	110	96
2	94	73	119	50	83	106	113	98
2	96	72	120	49	85	106	116	100
2	97	73	123	48	87	106	117	102
3	98	72	124	48	87	106	118	105
3	99	73	124	48	86	107	117	105
4	101	73	124	47	87	106	116	106
5	101	72	126	48	86	106	117	105
6	101	72	125	48	89	106	118	107
4	101	73	127	46	87	107	117	107
7	102	72	127	48	88	106	118	108
6	102	72	126	48	87	106	116	108
9	102	72	128	48	88	107	117	108
9	102	73	129	47	85	107	116	107
8	103	73	130	47	85	107	116	107
8	103	73	128	47	89	107	117	107
8	103	72	129	47	85	107	118	107
1	102	73	128	47	86	107	116	105
2	103	73	129	46	83	107	116	104
2	104	73	128	46	89	106	117	106
3	104	72	128	46	88	107	119	108

2

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
146	45	19	91	103	103	74	129
147	45	37	91	104	104	72	128
148	45	56	92	104	103	73	129
149	46	14	92	105	104	73	130
150	46	33	92	105	103	73	131
151	46	52	93	105	103	73	130
152	47	10	92	105	104	73	130
153	47	29	92	105	104	73	129
154	47	47	93	106	104	72	128
155	48	6	92	107	103	69	127
156	48	24	93	106	103	72	128
157	48	43	93	106	102	71	128
158	49	2	93	106	102	72	129
159	49	20	93	106	103	72	129
160	49	39	93	106	103	72	129
161	49	57	93	106	103	71	130
162	50	16	93	107	104	71	130
163	50	35	94	108	105	71	129
164	50	53	94	108	103	72	130
165	51	12	94	108	104	71	130
166	51	30	95	109	103	72	129
167	51	49	95	109	104	72	130
168	52	7	94	110	103	71	130
169	52	26	95	110	103	72	130
170	52	45	95	110	103	71	130
171	53	3	95	110	105	71	131
172	53	22	96	110	105	72	131
173	53	40	96	110	104	71	130
174	53	59	96	109	105	72	129
175	54	17	95	110	105	73	129
176	54	36	96	111	104	71	128
177	54	55	95	112	102	69	126
178	55	13	95	111	100	67	123
179	55	32	94	110	98	66	121
180	55	50	95	108	96	66	120
181	56	9	94	106	94	65	118
182	56	27	94	105	93	65	115
183	56	46	93	104	92	64	113
184	57	5	92	103	92	64	113
185	57	23	92	102	90	65	111
186	57	42	90	102	89	64	113
187	58	0	91	100	89	65	111
188	58	19	91	98	88	64	111
189	58	37	89	97	88	64	109
190	58	56	89	96	87	64	109
191	59	15	88	97	87	64	108
192	59	33	88	95	86	64	108
193	59	52	87	94	86	65	107
194	60	10	87	95	86	64	107

-06 G.2 NIT ITR UNT EMP G.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
03	103	74	129	47	89	107	119	109
04	104	72	128	47	88	107	118	109
04	103	73	129	48	85	107	117	108
05	104	73	130	48	86	106	117	108
05	103	73	131	48	86	107	117	107
05	103	73	130	48	86	106	117	107
05	104	73	130	47	87	106	117	108
05	104	73	129	48	83	97	107	105
06	104	72	128	50	81	96	103	101
07	103	69	127	50	86	101	109	101
06	103	72	128	48	84	106	116	102
06	102	71	128	47	87	105	118	104
06	102	72	129	47	85	106	117	105
06	103	72	129	47	87	105	120	107
06	103	72	129	47	86	105	118	108
06	103	71	130	47	89	106	119	108
07	104	71	130	47	89	106	119	109
08	105	71	129	47	87	106	119	108
08	103	72	130	47	87	105	119	110
08	104	71	130	48	89	106	121	109
09	103	72	129	46	89	107	120	110
09	104	72	130	47	89	107	120	110
10	103	71	130	46	87	105	119	110
10	103	72	130	46	85	106	117	110
10	103	71	130	47	87	106	121	109
10	105	71	131	47	88	106	119	110
10	105	72	131	47	87	106	118	110
10	104	71	130	47	87	105	118	110
09	105	72	129	47	88	106	119	109
10	105	73	129	47	84	102	114	110
11	104	71	128	50	81	89	96	106
12	102	69	126	52	74	85	89	98
11	100	67	123	54	72	83	85	92
10	98	66	121	55	73	83	83	89
08	96	66	120	57	72	81	84	87
06	94	65	118	58	72	80	83	85
05	93	65	115	58	73	80	83	83
04	92	64	113	58	71	80	83	83
03	92	64	113	59	70	80	85	82
02	90	65	111	59	72	81	83	81
02	89	64	113	60	70	81	82	80
00	89	65	111	60	71	81	82	79
98	88	64	111	60	72	80	83	80
97	88	64	109	61	71	80	83	80
96	87	64	109	62	71	81	84	80
97	87	64	108	61	70	80	83	80
95	86	64	108	61	70	80	83	81
94	86	65	107	61	71	80	83	80
95	86	64	107	62	72	80	83	79
93	85	65	107	62	72	80	83	81

2

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-05 ENG.2 IGNIT EXCITR SKIN INBD DEG.C	8-06 ENG.2 IGNIT EXCITR MOUNT TEMP DEG.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C
196	60	47	87	92	84	64	105
197	61	6	87	92	85	65	106
198	61	25	86	91	85	64	106
199	61	43	86	92	84	63	105
200	62	2	86	92	85	64	105
201	62	20	86	90	84	64	105
202	62	39	85	92	83	65	105
203	62	57	84	90	85	65	105
204	63	16	84	90	86	65	106
205	63	35	84	90	87	66	107
206	63	53	83	90	88	68	110
207	64	12	85	90	88	68	113
208	64	30	84	90	90	70	115
209	64	49	84	90	92	71	114
210	65	7	84	92	93	68	113
211	65	26	85	92	94	68	114
212	65	45	85	93	94	67	114
213	66	3	85	93	94	67	115
214	66	22	85	94	92	66	114
215	66	40	84	93	93	66	114
216	66	59	83	94	92	68	112
217	67	17	84	95	94	70	112
218	67	36	85	95	93	77	112
219	67	55	86	95	95	82	109
220	68	13	87	94	94	88	108
221	68	32	87	95	93	90	106
222	68	50	87	95	94	91	107
223	69	9	88	95	93	92	105
224	69	27	89	96	93	94	105
225	69	46	90	96	93	93	104
226	70	4	91	96	93	96	103
227	70	23	91	97	93	96	103
228	70	42	92	96	93	96	103
229	71	0	92	97	94	84	108
230	71	19	92	97	95	78	114
231	71	37	93	97	95	83	111
232	71	56	92	97	95	87	108
233	72	14	93	97	94	92	107
234	72	33	92	97	94	94	106
235	*	*	*	*	*	*	*

-06 G.2 NIT ITR UNT EMP G.C	8-07 ENG.2 LUBE PUMP INLET OIL DEG.C	8-08 ENG.2 FUEL CONTRL CASE TEMP DEG.C	8-09 ENG.2 SCAVAG PUMP OUTLET OIL DEG.C	8-10 ENG.2 FUEL PUMP CASE TEMP DEG.C	8-11 ENG.2 COMPRS CSE STG.2 4.30 DEG.C	8-12 ENG.2 COMPRS CSE STG.3 3.00 DEG.C	8-13 ENG.2 COMPRS CSE STG.3 4.30 DEG.C	8-14 ENG.2 COMPRS CSE STG.3 6.00 DEG.C
92	84	64	105	63	70	80	82	80
92	85	63	106	62	70	80	83	79
91	85	64	106	61	71	80	82	79
92	84	63	105	61	70	80	83	78
92	85	64	105	61	70	81	82	79
90	84	64	105	61	71	80	83	79
92	83	65	105	62	71	80	82	80
90	85	65	105	61	70	85	88	81
90	86	65	106	60	73	88	90	82
90	87	66	107	57	78	94	97	85
90	88	68	110	52	76	102	110	88
90	88	68	113	51	84	101	113	94
90	90	70	115	50	84	103	114	98
90	92	71	114	52	78	92	98	95
92	93	68	113	54	76	89	95	93
92	94	68	114	54	76	89	94	93
93	94	67	114	55	75	89	94	92
93	94	67	115	57	75	87	92	92
94	92	66	114	58	73	86	89	89
93	93	66	114	57	72	87	93	87
94	92	68	112	59	72	77	84	89
95	94	70	112	61	71	72	77	85
95	93	77	112	62	67	66	71	82
95	95	82	109	63	68	64	69	79
94	94	88	108	63	68	65	70	77
95	93	90	106	63	68	66	71	76
95	94	91	107	64	68	67	72	75
95	93	92	105	63	70	67	73	74
96	93	94	105	63	71	69	72	75
96	93	93	104	64	72	69	73	76
96	93	96	103	64	72	69	75	77
97	93	96	103	64	72	71	75	77
96	93	96	103	64	74	72	76	79
97	94	84	108	64	74	71	77	78
97	95	78	114	65	68	66	72	77
97	95	83	111	65	65	63	*	75
97	95	87	108	66	66	63	69	74
97	94	92	107	66	67	64	69	74
97	94	94	106	67	67	65	69	74
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	E CO S D
1	*	*	54	54	54	54	53	
2	0	39	53	54	54	54	53	
3	0	58	54	54	54	54	53	
4	1	17	54	54	54	55	53	
5	1	35	54	54	53	55	53	
6	1	54	54	54	54	54	53	
7	2	12	54	55	54	54	53	
8	2	31	53	54	54	53	54	
9	2	50	53	54	55	54	54	
10	3	8	54	55	54	54	54	
11	3	27	54	54	54	54	53	
12	3	46	54	54	54	54	54	
13	4	4	53	55	55	55	54	
14	4	23	54	54	54	54	53	
15	4	42	53	54	54	54	54	
16	5	0	54	54	54	54	54	
17	*	*	54	55	54	55	54	
18	5	38	53	54	54	54	54	
19	5	56	54	55	53	55	54	
20	*	*	54	55	53	54	54	
21	6	33	54	53	54	54	54	
22	6	52	55	54	55	53	53	
23	*	*	53	54	54	54	54	
24	7	29	54	54	54	55	53	
25	7	48	54	54	54	54	54	
26	*	*	53	55	54	55	53	
27	8	25	53	55	54	55	54	
28	8	44	54	54	54	55	53	
29	9	2	54	53	54	55	53	
30	9	21	53	55	55	54	54	
31	9	40	54	54	54	54	54	
32	9	58	53	54	54	54	54	
33	*	*	54	54	54	54	53	
34	10	36	54	55	55	54	54	
35	10	54	54	54	54	54	54	
36	11	13	54	54	54	55	54	
37	11	30	54	54	54	54	54	
38	11	50	54	54	54	54	53	
39	12	9	54	53	55	54	54	
40	12	27	54	54	54	54	54	
41	12	46	55	54	54	54	53	
42	13	5	53	53	54	54	53	
43	13	23	54	54	55	55	55	

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL
CSE	CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER
.4	STG.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL
.30	6.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
54	54	54	53	53	54	60	55	55
54	54	54	53	53	54	60	55	54
54	54	54	53	54	54	60	55	54
54	54	55	53	54	54	60	57	55
54	53	55	53	53	54	59	55	55
54	54	54	53	54	55	59	55	55
55	54	54	53	54	54	59	55	55
54	54	53	54	53	53	59	55	55
54	55	54	54	53	53	59	56	54
55	54	54	54	53	54	60	55	55
54	54	54	53	53	54	59	55	55
54	54	54	54	54	54	59	56	55
55	55	55	54	54	54	59	55	55
54	54	54	53	54	55	58	56	56
54	54	54	54	53	54	59	55	55
54	54	54	54	53	54	60	55	55
55	54	55	54	53	54	60	55	55
54	54	54	54	53	54	60	56	54
55	53	55	54	54	55	58	55	55
53	53	54	54	53	54	60	55	55
54	54	54	54	53	54	59	56	56
55	55	53	53	54	54	59	55	55
54	54	54	54	55	55	60	57	54
54	54	55	53	54	55	59	55	55
54	54	54	54	54	53	59	56	55
54	54	55	53	54	54	59	56	57
54	54	55	54	54	54	60	55	55
54	54	55	53	54	54	60	55	55
53	54	55	53	54	54	59	56	55
55	55	54	54	54	54	60	56	55
54	54	54	54	53	54	60	55	56
54	54	54	54	54	54	60	55	54
54	54	53	54	54	55	60	56	56
55	54	54	54	54	54	59	56	55
54	54	54	54	55	54	59	56	55
54	55	54	53	54	55	60	57	56
54	54	54	53	54	54	60	56	55
54	54	53	55	54	54	61	55	55
55	54	54	54	54	54	59	57	55
54	54	54	53	54	54	59	55	55
54	54	53	53	53	53	59	56	55
54	54	53	54	53	53	59	56	57
55	55	55	54	54	54	59	56	56
54	54	54	54	54	55	59	56	56
55	54	53	54	54	54	59	56	56

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-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	C
46	14	19	54	54	54	54	53	
47	14	38	53	54	55	54	54	
48	14	56	53	55	55	54	54	
49	15	15	53	53	55	54	54	
50	15	34	54	55	55	54	54	
51	32	32	54	55	54	54	53	
52	16	11	53	53	54	55	54	
53	16	30	54	56	54	56	55	
54	16	48	54	55	55	55	54	
55	17	7	56	57	58	56	53	
56	17	25	69	71	74	59	58	
57	17	44	81	81	84	67	64	
58	18	3	100	100	105	78	74	
59	18	21	118	111	116	96	88	
60	18	40	126	115	120	111	102	
61	18	59	129	116	121	120	112	
62	19	17	138	134	137	130	123	
63	19	36	141	137	141	143	133	
64	19	54	143	137	142	150	141	
65	20	13	144	140	142	156	148	
66	20	32	143	138	143	160	151	
67	20	50	144	139	143	160	153	
68	21	9	142	138	141	159	150	
69	21	27	144	138	142	160	152	
70	21	46	144	137	141	160	150	
71	22	5	143	136	141	160	151	
72	22	23	143	137	140	160	151	
73	22	42	142	138	141	161	152	
74	23	0	143	137	141	161	152	
75	23	19	142	137	141	159	149	
76	23	38	142	135	139	155	145	
77	23	56	140	136	139	157	148	
78	24	15	141	137	140	159	151	
79	24	33	142	135	140	158	150	
80	24	52	142	135	140	160	151	
81	25	11	141	135	139	159	149	
82	25	29	142	137	139	160	152	
83	25	48	141	135	139	157	149	
84	26	6	140	134	138	156	146	
85	26	25	142	135	140	158	150	
86	26	44	141	135	139	158	150	
87	27	2	141	137	140	160	151	
88	27	21	140	135	139	156	146	
89	27	40	139	130	134	156	147	
90	27	58	126	114	116	150	145	
91	28	17	115	110	110	139	137	
92	28	35	114	110	112	131	130	
93	28	54	123	114	116	127	125	
94	29	13	124	113	115	125	120	
95	29	31	124	112	116	124	121	

8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C	8-22 ENG.2 GAS GN TURB CASE 4.00 DEG.C	8-23 ENG.2 OIL COOLER AIR INLET DEG.C	8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C	8-25 ENG.2 OIL COOLER OIL INLET DEG.C
54	54	54	53	53	54	58	56	56
54	55	54	54	54	54	63	56	55
55	55	54	54	53	54	65	56	54
53	55	54	54	53	54	65	55	56
55	55	54	54	53	54	64	57	57
55	54	54	53	54	53	66	57	55
53	54	55	54	55	56	69	58	55
56	54	56	55	53	55	68	59	56
55	55	55	54	53	55	66	59	56
57	58	56	53	54	56	66	58	55
71	74	59	58	60	86	67	62	61
81	84	67	64	71	142	69	65	65
100	105	78	74	83	235	68	68	72
111	116	96	88	109	299	67	70	79
115	120	111	102	124	325	67	74	85
116	121	120	112	132	337	66	76	90
134	137	130	123	145	379	64	77	96
137	141	143	133	159	399	64	79	99
137	142	150	141	164	408	64	80	104
140	142	156	148	169	409	63	82	107
138	143	160	151	171	411	63	83	111
139	143	160	153	172	410	62	84	112
138	141	159	150	171	409	62	86	115
138	142	160	152	171	407	61	86	115
137	141	160	150	170	409	60	87	117
136	141	160	151	170	409	60	87	118
137	140	160	151	171	409	60	87	119
138	141	161	152	170	407	60	87	120
137	141	161	152	171	408	60	88	122
137	141	159	149	170	409	59	88	121
135	139	155	145	169	407	58	88	122
136	139	157	148	169	407	59	89	122
137	140	159	151	170	407	60	89	122
135	140	158	150	169	405	58	89	123
135	140	160	151	168	405	59	89	122
135	139	159	149	169	405	58	90	125
137	139	160	152	168	405	58	89	124
135	139	157	149	168	406	58	89	125
134	138	156	146	168	405	58	89	126
135	140	158	150	168	405	60	89	125
135	139	158	150	168	404	58	89	125
137	140	160	151	169	404	59	89	126
135	139	156	146	168	406	58	90	126
130	134	156	147	167	398	58	93	126
114	116	150	145	157	362	63	94	126
110	110	139	137	139	336	59	89	123
110	112	131	130	129	324	57	87	121
114	116	127	125	129	330	57	87	121
113	115	125	120	131	333	57	85	120
112	116	124	121	132	331	57	86	119

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	E CO S D
96	29	50	124	113	115	126	122	
97	30	8	124	113	116	126	122	
98	30	27	124	112	116	126	121	
99	30	45	124	112	115	124	119	
100	31	4	124	112	115	125	118	
101	31	23	123	111	114	122	116	
102	31	41	123	111	114	123	117	
103	32	0	124	112	115	122	116	
104	32	18	126	113	115	125	120	
105	32	37	126	114	116	127	122	
106	32	56	126	112	115	125	120	
107	33	14	126	112	116	126	120	
108	33	33	126	113	116	127	121	
109	33	51	126	113	115	126	120	
110	34	10	125	113	115	126	121	
111	34	28	126	111	114	125	119	
112	34	47	126	112	114	125	120	
113	35	6	126	112	116	126	121	
114	35	24	126	112	115	125	121	
115	35	43	125	113	115	126	121	
116	36	1	125	113	115	125	121	
117	36	20	126	112	115	126	121	
118	36	37	126	112	114	126	121	
119	36	57	126	113	115	126	121	
120	37	16	126	112	115	125	120	
121	37	34	125	111	114	125	120	
122	37	53	126	112	114	124	121	
123	38	11	122	108	111	125	120	
124	38	30	122	116	110	125	117	
125	38	49	133	131	136	134	127	
126	39	7	141	136	140	144	132	
127	39	26	145	139	143	152	143	
128	39	44	145	141	145	162	150	
129	40	3	145	141	145	167	157	
130	40	21	145	140	145	166	155	
131	40	40	145	140	145	166	157	
132	40	59	145	140	145	164	154	
133	41	17	145	141	145	168	158	
134	41	36	146	140	145	167	157	
135	41	54	146	141	145	170	161	
136	42	13	147	141	145	167	158	
137	42	31	146	141	145	168	160	
138	42	50	146	141	145	168	157	
139	43	9	145	140	145	167	156	
140	43	27	146	141	145	169	158	
141	43	46	146	141	144	169	159	
142	44	4	145	140	145	165	155	
143	44	23	146	141	145	165	155	
144	44	41	146	141	145	168	157	
145	45	0	146	142	146	169	160	

-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL
CSE	CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER
G.4	STG.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL
.30	6.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
13	115	126	122	132	331	58	85	119
13	116	126	122	132	331	55	84	118
12	116	126	121	133	331	58	85	117
12	115	124	119	132	331	57	85	116
12	115	125	118	132	331	57	84	118
11	114	122	116	131	333	56	85	117
11	114	123	117	132	331	54	84	116
12	115	122	116	131	332	57	84	116
13	115	125	120	133	332	56	84	116
14	116	127	122	134	334	55	84	116
12	115	125	120	134	335	56	84	116
12	116	126	120	134	335	57	83	117
13	116	127	121	134	335	56	83	116
13	115	126	120	133	334	57	83	116
13	115	126	121	133	333	56	83	116
11	114	125	119	134	335	55	83	114
12	114	125	120	134	334	54	83	116
12	116	126	121	134	334	54	84	114
12	115	125	121	135	332	55	83	116
13	115	126	121	134	333	56	83	116
13	115	125	121	134	334	56	83	114
12	115	126	121	135	333	55	83	115
12	114	126	121	134	335	55	82	115
13	115	126	121	134	333	55	83	114
12	115	125	120	133	333	55	82	113
11	114	125	120	134	333	55	83	115
12	114	124	121	133	331	55	82	114
08	111	125	120	134	331	56	85	115
16	118	125	117	133	345	57	85	114
31	136	134	127	145	398	55	84	116
36	140	144	132	160	435	54	84	119
39	143	152	143	169	449	54	86	121
41	145	162	150	174	453	55	85	122
41	145	167	157	176	452	54	87	123
40	145	166	155	177	453	55	87	124
40	145	166	157	177	452	54	87	126
40	145	164	154	177	452	54	88	126
41	145	168	158	177	448	54	88	127
40	145	167	157	177	449	55	88	127
41	145	170	161	179	449	54	89	128
41	145	167	158	178	450	53	88	128
41	145	168	160	177	449	55	88	129
41	145	168	157	177	452	54	89	128
40	145	167	156	177	452	55	89	129
41	145	169	158	178	450	54	89	129
41	144	169	159	177	451	54	89	129
40	145	165	155	177	451	55	90	129
41	145	165	155	177	452	55	89	129
41	145	168	157	177	448	54	90	130
42	146	169	160	178	448	54	90	130

8-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C
146	45	19	146	142	145	169	161
147	45	37	145	142	145	170	161
148	45	56	146	141	145	167	157
149	46	14	145	141	145	169	158
150	46	33	146	140	145	169	159
151	46	52	146	141	145	167	156
152	47	10	145	140	145	167	156
153	47	29	139	129	132	167	156
154	47	47	133	123	126	157	147
155	48	6	135	130	134	154	147
156	48	24	143	138	144	155	145
157	48	43	146	142	145	163	152
158	49	2	146	141	145	164	153
159	49	20	146	143	146	169	158
160	49	39	146	142	146	170	158
161	49	57	148	142	147	171	161
162	50	16	149	143	147	172	164
163	50	35	147	143	147	172	162
164	50	53	148	143	147	172	163
165	51	12	148	143	147	173	165
166	51	30	148	143	146	172	162
167	51	49	148	143	145	172	162
168	52	7	148	142	146	172	160
169	52	26	147	142	145	170	158
170	52	45	146	143	147	172	161
171	53	3	147	143	146	172	162
172	53	22	148	144	146	173	162
173	53	40	149	142	146	171	162
174	53	59	147	143	146	171	163
175	54	17	145	137	140	172	161
176	54	36	126	114	114	160	155
177	54	55	110	105	103	139	137
178	55	13	102	101	99	125	123
179	55	32	100	98	97	116	111
180	55	50	98	99	97	113	106
181	56	9	97	97	96	106	102
182	56	27	97	97	96	106	100
183	56	46	96	97	97	103	98
184	57	5	95	97	96	103	98
185	57	23	96	96	96	102	97
186	57	42	95	96	96	102	96
187	58	0	95	96	96	100	96
188	58	19	96	96	96	100	96
189	58	37	95	96	96	100	96
190	58	56	95	97	96	102	96
191	59	15	95	96	96	101	96
192	59	33	95	96	96	101	96
193	59	52	96	96	96	101	96
194	60	10	95	97	96	100	96
195	60	29	96	96	96	100	96

-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
G.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
PRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL
CSE	CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER
G.4	STG.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL
.30	6.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
42	145	169	161	177	450	53	90	130
42	145	170	161	177	449	55	91	130
41	145	167	157	177	451	54	89	131
41	145	169	158	177	449	53	89	131
40	145	169	159	177	450	54	89	131
41	145	167	156	177	449	53	89	131
40	145	167	156	178	450	53	88	130
29	132	167	156	176	420	55	93	129
23	126	157	147	167	388	55	90	129
30	134	154	147	161	400	54	89	127
38	144	155	145	169	446	53	88	129
42	145	163	152	174	459	52	88	128
41	145	164	153	178	464	53	88	129
43	146	169	158	178	463	53	89	129
42	146	170	158	180	461	52	89	129
42	147	171	161	180	460	53	89	130
43	147	172	164	181	460	53	89	130
43	147	172	162	181	461	53	89	130
43	147	172	163	182	462	53	89	131
43	147	173	165	181	459	52	89	131
43	146	172	162	179	461	54	89	132
43	145	172	162	180	460	53	89	130
42	146	172	160	180	461	54	88	130
42	145	170	158	181	463	54	88	131
43	147	172	161	179	462	53	89	131
43	146	172	162	179	461	52	89	132
44	146	173	162	181	462	54	90	132
42	146	171	162	181	461	53	90	130
43	146	171	163	180	460	53	89	130
37	140	172	161	181	447	54	91	131
14	114	160	155	165	389	51	87	128
5	103	139	137	141	344	53	86	126
1	99	125	123	123	315	52	85	123
0	97	116	111	112	300	53	83	122
9	97	113	108	107	293	53	82	119
7	96	106	102	105	289	53	80	118
7	96	106	100	103	286	53	79	116
7	97	103	98	102	284	52	80	115
7	96	103	98	102	284	53	78	113
6	96	102	97	102	285	51	79	112
6	96	102	96	101	283	52	78	113
6	96	100	96	100	284	53	77	112
6	96	100	96	101	283	52	77	111
6	96	100	96	101	284	53	77	111
7	96	102	96	101	284	52	77	109
6	96	101	96	101	283	54	76	108
6	96	101	96	100	283	52	76	108
6	96	101	96	101	284	53	76	108
7	96	100	96	100	284	53	75	107
6	96	100	96	101	284	52	76	107

2

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-15 ENG.2 COMPRS CSE STG.4 3.00 DEG.C	8-16 ENG.2 COMPRS CSE STG.4 4.30 DEG.C	8-17 ENG.2 COMPRS CSE STG.4 6.00 DEG.C	8-19 ENG.2 COMPRS CSE STG.5 3.00 DEG.C	8-20 ENG.2 COMPRS CSE STG.5 4.30 DEG.C	8-21 ENG.2 COMPRS CSE STG.5 6.00 DEG.C
196	60	47	94	96	96	100	96	101
197	61	6	95	96	96	101	96	100
198	61	25	95	96	95	100	96	100
199	61	43	95	96	94	101	96	100
200	62	2	94	96	95	100	96	100
201	62	20	94	96	95	100	96	100
202	62	39	95	96	95	100	96	100
203	62	57	100	98	100	101	96	101
204	63	16	114	104	108	107	98	113
205	63	35	123	116	120	115	107	125
206	63	53	136	132	138	129	118	147
207	64	12	140	136	139	145	136	161
208	64	30	142	138	140	155	145	169
209	64	49	133	118	121	152	144	164
210	65	7	128	111	114	144	136	153
211	65	26	126	110	113	136	129	143
212	65	45	125	109	112	131	125	138
213	66	3	124	108	111	129	121	135
214	66	22	123	106	109	124	118	134
215	66	40	123	107	110	123	116	133
216	66	59	106	95	96	119	116	127
217	67	17	93	86	87	110	109	118
218	67	36	81	78	76	102	103	98
219	67	55	77	75	75	97	97	91
220	68	13	76	74	75	93	93	85
221	68	32	76	75	76	92	90	82
222	68	50	76	76	77	90	87	81
223	69	9	77	77	78	91	87	81
224	69	27	78	77	79	92	86	81
225	69	46	78	78	80	93	87	81
226	70	4	78	79	80	93	88	81
227	70	23	79	80	82	95	87	81
228	70	42	80	80	82	96	89	81
229	71	0	79	80	83	97	90	81
230	71	19	74	74	72	94	89	81
231	71	37	69	68	69	87	83	77
232	71	56	67	68	68	83	81	77
233	72	14	68	69	69	81	78	77
234	72	33	68	71	71	80	77	77
235	*	*	*	*	*	*	*	

8-16	8-17	8-19	8-20	8-21	8-22	8-23	8-24	8-25
NG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2	ENG.2
MPRS	COMPRS	COMPRS	COMPRS	COMPRS	GAS GN	OIL	OIL	OIL
CSE	CSE	CSE	CSE	CSE	TURB	COOLER	COOLER	COOLER
G.4	STG.4	STG.5	STG.5	STG.5	CASE	AIR	AIR	OIL
4.30	6.00	3.00	4.30	6.00	4.00	INLET	OUTLET	INLET
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
96	96	100	96	101	283	53	76	106
96	96	101	96	100	283	53	75	107
96	95	100	96	100	282	53	74	106
96	94	101	96	100	283	53	75	105
96	95	100	96	100	283	53	75	105
96	95	100	96	100	282	52	75	106
96	95	100	96	100	285	54	78	105
98	100	101	96	101	297	55	78	106
104	108	107	98	113	318	54	80	107
116	120	115	107	125	355	52	77	108
132	138	129	118	147	432	52	78	112
136	139	145	136	161	441	52	81	113
138	140	155	145	169	442	53	80	116
119	121	152	144	164	391	55	85	115
111	114	144	136	153	358	54	85	116
110	113	136	129	143	344	54	85	115
109	112	131	125	138	340	52	82	115
108	111	129	121	135	337	53	82	115
106	109	124	118	134	334	52	82	115
107	110	123	116	133	334	53	82	113
95	96	119	116	127	321	53	87	113
86	87	110	109	112	308	54	92	113
78	76	102	103	98	310	56	100	112
75	75	97	97	91	311	59	101	109
74	75	93	93	85	310	63	97	109
75	76	92	90	82	306	69	94	108
76	77	90	87	82	302	66	93	107
77	78	91	87	81	299	66	92	106
77	79	92	86	82	295	65	92	106
78	80	93	87	83	290	65	94	105
79	80	93	88	85	287	65	95	105
80	82	95	87	85	285	66	94	105
80	82	96	89	87	282	67	96	105
80	83	97	90	87	277	67	96	106
74	72	94	89	83	259	63	100	114
68	69	87	83	79	248	60	102	112
68	68	83	81	74	242	64	98	109
69	69	81	78	72	239	64	96	108
71	71	80	77	72	234	66	97	108
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
14 JULY 1970
RUN NO. 26 +125 DEG F

0-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
1	*	*	54	55	54
2	0	39	54	55	54
3	0	58	54	55	54
4	1	17	54	55	54
5	1	35	54	55	54
6	1	54	54	55	55
7	2	12	54	55	54
8	2	31	54	56	54
9	2	50	54	55	54
10	3	8	54	54	54
11	3	27	55	55	54
12	3	46	54	55	55
13	4	4	54	55	54
14	4	23	54	55	55
15	4	42	54	56	54
16	5	0	54	55	54
17	*	*	54	55	54
18	5	38	54	55	55
19	5	56	54	55	54
20	*	*	54	54	54
21	6	33	54	55	55
22	6	52	54	55	55
23	*	*	54	55	55
24	7	29	55	55	54
25	7	48	54	56	55
26	*	*	55	56	55
27	8	25	54	56	56
28	8	44	55	55	55
29	9	2	54	56	56
30	9	21	54	56	54
31	9	40	54	55	54
32	9	58	54	55	55
33	*	*	54	55	55
34	10	36	54	56	54
35	10	54	54	56	55
36	11	13	54	55	54
37	11	30	54	56	55
38	11	50	54	55	54
39	12	9	54	56	56
40	12	27	55	55	54
41	12	46	54	56	54
42	13	5	54	55	55
43	13	23	54	55	54
44	13	42	54	56	55
45	14	0	54	55	55

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
46	14	19	55	56	56
47	14	38	54	56	54
48	14	56	54	56	54
49	15	15	54	55	55
50	15	34	54	55	54
51	32	32	54	55	55
52	16	11	55	55	55
53	16	30	55	55	55
54	16	48	55	56	55
55	17	7	55	57	57
56	17	25	64	61	56
57	17	44	90	65	58
58	18	3	129	70	60
59	18	21	173	73	65
60	18	40	213	78	72
61	18	59	247	81	78
62	19	17	280	84	85
63	19	36	311	87	93
64	19	54	342	89	101
65	20	13	365	91	109
66	20	32	383	92	117
67	20	50	398	94	124
68	21	9	409	96	131
69	21	27	420	96	136
70	21	46	425	97	143
71	22	5	427	98	146
72	22	23	433	98	151
73	22	42	436	99	156
74	23	0	436	100	159
75	23	19	436	100	162
76	23	38	433	101	165
77	23	56	434	101	167
78	24	15	436	101	170
79	24	33	437	101	173
80	24	52	438	101	175
81	25	11	437	101	177
82	25	29	437	102	177
83	25	48	436	102	178
84	26	6	437	102	179
85	26	25	437	103	181
86	26	44	437	101	182
87	27	2	436	102	183
88	27	21	436	102	183
89	27	40	436	103	184
90	27	58	429	103	186
91	28	17	418	100	187
92	28	35	404	99	184
93	28	54	390	97	184
94	29	13	378	97	179
95	29	31	373	97	177

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
96	29	50	367	96	175
97	30	8	362	96	174
98	30	27	359	96	171
99	30	45	357	96	169
100	31	4	355	96	170
101	31	23	353	96	167
102	31	41	352	96	166
103	32	0	352	96	164
104	32	18	351	96	164
105	32	37	352	96	163
106	32	56	352	96	162
107	33	14	353	95	161
108	33	33	352	95	161
109	33	51	354	96	160
110	34	10	352	94	160
111	34	28	351	95	160
112	34	47	352	95	159
113	35	6	351	95	158
114	35	24	350	95	157
115	35	43	351	96	157
116	36	1	352	94	157
117	36	20	350	95	157
118	36	37	351	93	156
119	36	57	351	94	156
120	37	16	351	94	155
121	37	34	349	94	155
122	37	53	351	94	156
123	38	11	352	95	156
124	38	30	354	96	156
125	38	49	367	96	157
126	39	7	394	96	160
127	39	26	420	98	164
128	39	44	443	100	167
129	40	3	456	100	171
130	40	21	466	102	174
131	40	40	471	101	177
132	40	59	476	103	180
133	41	17	481	101	184
134	41	36	483	102	187
135	41	54	484	103	189
136	42	13	485	103	191
137	42	31	486	103	194
138	42	50	485	103	194
139	43	9	485	103	196
140	43	27	487	104	198
141	43	46	486	105	199
142	44	4	485	104	200
143	44	23	486	104	202
144	44	41	486	105	202
145	45	0	486	104	204

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
146	45	19	486	105	206
147	45	37	485	105	206
148	45	56	485	104	207
149	46	14	485	105	207
150	46	33	485	104	208
151	46	52	484	105	208
152	47	10	485	104	208
153	47	29	481	106	209
154	47	47	462	104	208
155	48	6	444	102	205
156	48	24	449	103	205
157	48	43	463	103	205
158	49	2	475	104	205
159	49	20	484	104	206
160	49	39	490	104	207
161	49	57	492	105	207
162	50	16	494	105	209
163	50	35	495	105	209
164	50	53	495	105	210
165	51	12	495	105	210
166	51	30	497	104	211
167	51	49	496	104	213
168	52	7	494	104	214
169	52	26	494	105	213
170	52	45	494	106	214
171	53	3	494	105	215
172	53	22	493	105	216
173	53	40	494	106	216
174	53	59	494	105	216
175	54	17	493	105	217
176	54	36	478	101	217
177	54	55	453	98	213
178	55	13	431	97	210
179	55	32	413	95	207
180	55	50	398	94	202
181	56	9	386	92	199
182	56	27	379	92	195
183	56	46	374	90	191
184	57	5	368	91	187
185	57	23	365	89	184
186	57	42	362	89	181
187	58	0	358	88	179
188	58	19	357	87	175
189	58	37	356	87	173
190	58	56	355	87	170
191	59	15	354	87	167
192	59	33	353	87	166
193	59	52	353	87	163
194	60	10	352	86	162
195	60	29	350	86	160

-01 SWEEP COUNT	8-02 TIME MIN.	8-03 TIME SEC.	8-26 ENG.2 POWER TURB CASE 8.00 DEG.C	8-27 ENG.2 OIL COOLER OIL OUTLET DEG.C	8-28 ENG.2 T5 HRNESS TEMP DEG.C
196	60	47	350	85	159
197	61	6	349	85	156
198	61	25	349	85	156
199	61	43	350	86	154
200	62	2	349	85	153
201	62	20	350	84	152
202	62	39	352	87	152
203	62	57	353	88	151
204	63	16	353	89	150
205	63	35	355	87	150
206	63	53	380	90	152
207	64	12	414	92	155
208	64	30	441	93	160
209	64	49	442	95	163
210	65	7	430	95	165
211	65	26	412	95	167
212	65	45	400	93	167
213	66	3	388	93	168
214	66	22	379	93	168
215	66	40	371	94	166
216	66	59	370	95	166
217	67	17	371	98	167
218	67	36	371	105	168
219	67	55	365	107	171
220	68	13	354	104	173
221	68	32	345	105	175
222	68	50	336	103	176
223	69	9	328	103	177
224	69	27	322	102	180
225	69	46	317	101	181
226	70	4	311	103	183
227	70	23	307	101	184
228	70	42	303	102	184
229	71	0	299	103	184
230	71	19	293	112	186
231	71	37	281	112	184
232	71	56	271	110	184
233	72	14	262	109	184
234	72	33	254	109	183
235	*	*	*	*	*

RUN 28-1 0°F 31 JULY 70

RUN 28, 0°F, Engine Oil Test/Second Stage Hydraulic System Cooling, 31 July 1970
Engine No. 1 Pump (S/N 597) at Nominal Setting of 6.25 gpm (medium)
Soak time 25 hours

Test Synopsis:

This run provides supplementary engine oil test data and second stage hydraulic system cooling data with static rotors (reference data at C/N 14 through 117).

An attempt was made during this period of the climatic laboratory tests to repeat the low temperature runs for the purpose of obtaining heater data with rotor operation and to test fixes for the low temperature problems. However, very few fixes were made and heavy icicles which formed on the ceiling of the main test chamber prevented rotor operation at the -45 and -65°F temperatures. Rotors were operated during this run.

Litters were installed for this second series of low temperature tests to identify their effect on heat distribution.

APP starts were made by using the single standard start accumulator charged to 3,000 psi.

Pertinent information.

Engine No. 1 had -13 fuel control and no EAPS.

Engine No. 2 was inoperable because of a previous failure due to FOD

Litters were installed in the aircraft cargo compartment:

Right center - four high

Right aft - four high

Left aft - three high

Test parameters not connected or not presented.

1-4-Free air temperature (not connected).

2-18-Main wheel brake return hydraulic pressure (not connected).

2-19 through 2-26-Heater output airflow differential pressure (not presented).

8-1 through 8-28-Engine No. 2 surface temperatures (not presented because of inoperable engine).

Box positions 1, 3, 5, 6, 7, 8 are not presented for the initial portion of the run, because it is intended to present only hydraulic system data.

Defective test parameters not presented (unless indicated otherwise)

4-13-Second stage hydraulic system pump outlet temperature.

7-12-Engine No. 1 compressor case temperature, 3rd stage, 3 o'clock position.

7-19-Engine No. 1 compressor case temperature, 5th stage, 3 o'clock position.

7-20-Engine No. 1 compressor case temperatures, 5th stage, 4:30 o'clock position.

Event Sheet:

CTR	Event
8	APP - start
14-117	Second stage hydraulic system - pressurized for 34 minutes without the cooling effect of main rotor operation
117	APP - shutdown
	NOTE: The test was stopped at this point because of a failed heater vibrator and ignitor. The time reference was reset to zero minutes, thus the time figures for the data below will not be in sequence with those above. There was also an electrical power failure at the climatic laboratory which resulted in a 3 second shutdown. The test data presented below start after resumption of the test following the second shutdown.
181	APP - start
184	Heater - start, CABIN SELECT
189	Entrance door, cargo door and ramp door - open
192	All doors and ramp - closed
195	Rotor brake - off
201	Engine No. 1 - start
	NOTE: A defective engine dual start valve caused engine No. 2 to motor while engine No. 1 was starting.
209	Engine No. 1 throttle - forward
	NOTE: Engine No. 2 not started due to previous FOD.
210-212	Operate engine No. 1 at 36-percent torque with main rotors at flat pitch
212-300	Operate engine No. 1 at average 50-percent torque
252-258	Main transmission pressure fluctuation
264	Left rudder creeping
282	Heater ducts over aft litters adjusted to direct flow to aisle away from litter
301	Heater - OFF, vent switch ON
301	Throttles - shutoff
306	APP - shutdown
308	End test

HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

2-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
1	0	5	0	20	10	0	10
2	0	24	0	5	10	0	0
3	0	44	*	5	15	0	0
4	1	4	0	5	10	0	5
5	1	23	0	10	5	0	20
6	1	43	*	10	5	0	5
7	2	2	0	0	20	0	0
8	2	22	0	5	0	0	0
9	2	42	*	10	5	31	3060
10	3	1	*	15	10	31	3060
11	3	21	*	0	0	27	2970
12	3	41	*	10	10	31	3030
13	4	0	*	0	0	27	3005
14	4	20	*	5	5	29	3100
15	4	40	*	0	0	31	2995
16	4	59	*	5	0	27	3120
17	5	19	*	5	0	32	3030
18	5	39	*	10	0	24	3060
19	5	58	*	0	10	31	3060
20	6	18	*	5	5	33	3015
21	6	38	*	0	10	44	3030
22	6	57	*	5	0	33	3110
23	7	17	*	0	0	32	3015
24	7	37	*	5	5	33	2960
25	7	56	*	15	0	26	2995
26	8	16	*	5	5	31	3100
27	8	35	*	0	15	40	3100
28	8	55	*	10	0	24	3030
29	9	15	*	5	5	40	3100
30	9	34	*	0	15	32	2965
31	9	54	*	20	10	26	3055
32	10	13	0	5	5	33	2965
33	10	33	*	0	20	44	3100
34	10	53	*	10	5	31	2960
35	11	12	0	5	0	26	3060
36	11	32	0	0	15	33	3030
37	11	51	0	15	0	40	3110
38	12	11	0	10	0	33	3030
39	12	31	0	10	0	26	2995
40	12	50	0	0	15	31	3040
41	13	10	0	0	5	24	3070
42	13	29	0	5	0	33	2995
43	13	49	0	10	15	40	3015
44	14	9	0	0	0	32	2990
45	14	28	0	0	10	33	2995

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HH-53C S/N 68-10356
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 29 +0 DEG F

2-06 AGE HYD. PUMP INLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
20	10	0	10	4	12	10	16	*
5	10	0	0	14	8	8	4	*
5	15	0	0	14	6	4	4	*
5	10	0	5	4	8	6	8	*
10	5	0	20	19	10	2	10	*
10	5	0	5	4	8	6	4	*
0	29	0	0	4	12	2	8	*
5	0	0	0	14	4	4	2	1
[illegible]	5	31	3060	3031	42	36	46	28
15	10	31	3060	3041	40	36	50	27
0	0	27	2976	2987	64	52	40	30
10	10	31	3030	3046	36	34	46	30
0	0	27	3005	3046	40	34	38	30
5	5	29	3100	3031	1067	1076	48	30
0	0	31	2995	3016	1081	1076	42	30
5	0	23	3120	3016	1083	1076	42	31
5	0	32	3030	3036	1081	1076	42	29
10	0	24	3060	3041	1077	1069	40	30
0	10	31	3060	3026	1061	1073	48	28
5	5	33	3015	3031	1061	1071	42	30
0	10	44	3030	3021	1067	1067	42	31
5	0	33	3110	3031	1075	1067	44	28
0	0	32	3015	3016	1060	1067	42	31
5	5	33	2960	3026	1061	1071	46	30
5	0	26	2995	3016	1061	1071	46	27
5	5	31	3100	3016	1069	1076	42	30
0	15	40	3100	2996	1069	1053	40	31
10	0	24	3030	3011	1061	1067	42	30
5	5	40	3100	2986	1047	1067	42	32
0	15	32	2965	3006	1069	1057	44	28
10	10	26	3065	3006	1061	1059	44	32
5	5	33	2965	2986	1057	1061	44	30
0	20	44	3100	2996	1065	1059	40	30
0	5	31	2960	2986	1055	1057	42	30
0	0	26	3050	2996	1057	1061	42	30
0	15	33	3030	3006	1057	1053	48	30
5	0	40	3110	3011	1043	1059	46	30
0	0	33	3030	2986	1061	1059	40	28
0	0	26	2995	2981	1055	1056	44	30
0	15	31	3040	3001	1057	1059	44	29
0	5	34	3020	3011	1063	1059	44	27
5	0	33	2995	3021	1055	1059	44	27
0	15	40	3015	2981	1061	1057	44	27
0	0	32	2990	2996	1061	1059	40	30
0	10	33	299[illegible]	3001	1056	1057	40	28

2-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
46	14	48	0	0	5	33	2965
47	15	7	0	15	0	36	2995
48	15	27	0	15	5	31	3040
49	15	47	0	5	0	23	2920
50	16	6	0	5	0	32	2995
51	16	26	0	0	0	33	2990
52	16	45	0	5	0	23	3020
53	17	5	0	20	5	31	3040
54	17	25	0	0	0	22	2920
55	17	44	0	5	0	33	2995
56	18	4	0	5	20	31	2960
57	18	23	0	15	5	39	2995
58	18	43	0	15	5	33	2955
59	19	3	0	0	0	44	3100
60	19	22	0	20	0	24	2960
61	19	42	0	15	0	27	2995
62	20	2	0	0	10	31	2960
63	20	21	0	10	10	39	2960
64	20	41	0	0	20	33	2960
65	21	0	0	5	0	27	2995
66	21	20	0	0	10	44	3010
67	21	39	0	20	10	19	2960
68	21	59	0	5	0	24	2920
69	22	19	0	15	0	33	3030
70	22	38	0	0	0	40	3100
71	22	58	0	5	0	23	2920
72	23	18	0	0	20	40	3010
73	23	37	0	5	0	24	2890
74	23	57	0	5	0	40	3010
75	24	16	0	0	20	19	2910
76	24	36	0	10	0	20	3040
77	24	56	0	14	0	27	2965
78	25	15	0	5	5	44	3010
79	25	35	0	30	0	24	2860
80	25	55	0	0	0	32	2945
81	26	14	0	0	15	26	2955
82	26	34	0	5	20	40	3010
83	26	53	0	0	10	31	3000
84	27	13	0	10	0	24	3020
85	27	33	0	5	5	33	2995
86	27	52	0	10	0	40	3100
87	28	12	0	10	0	23	2865
88	28	31	0	10	0	39	3040
89	28	51	0	5	0	37	2990
90	29	11	0	15	5	44	3010
91	29	30	0	10	10	20	2970
92	29	50	0	0	0	24	2960
93	30	9	0	15	0	33	2965
94	30	29	0	5	0	33	2955
95	30	49	0	15	5	32	2950

2-06	2-07	2-08	2-09	2-10	2-11	2-12	2-13	2-14
TAGE HYD. PUMP TLET RESS PSIG	1STAGE HYD. (AFT SERVO CYL.) PSIG	2STAGE HYD. PUMP INLET PRESS PSIG	2STAGE HYD. PUMP OUTLET PRESS PSIG	2STAGE HYD. (AFT SERVO CYL.) PSIG	2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	UTIL. HYD. PUMP INLET PRESS PSIG
0	5	33	2965	2986	1049	1059	40	31
15	0	36	2995	3021	1053	1049	40	29
15	5	31	3040	2986	1053	1049	44	30
5	0	23	2920	3011	1049	1053	40	32
5	0	32	2995	2991	1051	1047	40	30
0	0	33	2990	2991	1051	1049	44	27
5	0	23	3020	2991	1043	1056	42	29
20	5	31	3040	2981	1057	1053	38	29
0	0	22	2920	3001	1047	1049	40	30
5	0	33	2995	2996	1043	1053	42	28
5	20	31	2960	2986	1043	1049	42	31
15	5	39	2995	3001	1055	1051	46	28
15	5	33	2955	3001	1059	1051	50	30
0	0	44	3100	2981	1047	1049	42	29
20	0	24	2960	2981	1057	1049	38	30
15	0	27	2995	3006	1047	1047	42	28
0	10	31	2960	2991	1049	1051	40	28
10	10	39	2960	2996	1043	1043	38	30
0	20	33	2960	2986	1047	1047	40	29
5	0	27	2995	2981	1049	1041	36	28
0	10	44	3010	2981	1041	1047	40	30
20	10	19	2960	2981	1045	1047	48	28
5	0	24	2920	3001	1045	1043	38	31
15	0	33	3030	2986	1041	1051	42	30
0	0	40	3100	2991	1047	1047	34	29
5	0	23	2920	2986	1049	1041	40	28
0	20	40	3010	2981	1043	1047	40	29
5	0	24	2980	3001	1043	1043	42	28
5	0	40	3010	2986	1041	1041	38	27
0	20	19	2910	2991	1047	1043	40	29
10	0	20	3040	2986	1041	1051	36	30
15	0	27	2965	2981	1047	1037	34	28
5	5	44	3010	2967	1049	1047	42	30
30	0	24	2980	2972	1047	1043	48	32
0	0	33	2945	2977	1047	1039	40	29
0	15	26	2955	2972	1045	1033	40	30
5	20	40	3010	2986	1041	1039	40	27
0	10	31	3000	2981	1049	1041	40	30
10	0	24	3020	2991	1049	1033	38	30
5	5	33	2995	2972	1041	1031	44	29
10	0	40	3100	2981	1047	1047	40	24
10	0	27	2986	2991	1041	1043	42	29
10	0	29	3040	2967	1041	1047	40	30
5	0	37	2990	2967	1047	1041	34	31
15	5	44	3010	2981	1041	1035	34	29
10	10	20	2970	2981	1041	1043	36	29
0	0	24	2960	2981	1047	1047	40	31
15	0	33	2965	2967	1043	1043	44	31
5	0	33	2955	2981	1051	1047	38	30
15	5	32	2950	2981	1041	1043	34	30

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
96	31	8	0	0	5	24	2960
97	31	28	0	5	15	20	2920
98	31	48	0	5	0	33	2995
99	32	7	0	10	0	23	2970
100	32	27	0	5	15	33	2995
101	32	47	0	5	0	23	2920
102	33	6	0	0	10	33	2960
103	33	26	0	10	0	33	2965
104	33	46	0	5	0	33	3020
105	34	5	0	10	0	22	2950
106	34	25	0	0	0	39	2960
107	34	44	0	5	0	40	3005
108	35	4	0	10	0	23	2875
109	35	24	0	15	0	23	2960
110	35	43	0	5	0	31	2955
111	36	3	0	0	0	40	3020
112	36	23	0	0	10	26	3010
113	36	42	0	15	5	31	2955
114	37	2	0	0	0	44	3020
115	37	22	0	10	5	27	3010
116	37	41	0	0	10	20	2970
117	38	1	0	0	0	40	3000
118	38	21	*	20	5	3	200
119	38	40	0	15	5	1	10
120	39	0	0	10	0	*	*
121	39	20	0	10	5	*	0
132	0	4	0	15	25	0	0
133	0	24	0	20	25	0	0
134	0	43	0	20	15	0	0
135	1	3	0	20	5	0	0
136	1	23	0	40	30	0	0
137	1	43	0	5	40	0	*
138	2	3	0	5	40	0	0
139	2	22	0	20	10	0	0
140	2	42	0	5	15	0	0
141	3	2	*	15	15	25	3030
142	3	22	*	5	15	31	3060
143	3	42	*	15	0	25	3060
144	4	1	*	0	30	31	3060
145	4	21	*	5	20	29	3110
146	4	41	*	10	5	28	3100
147	5	1	*	20	15	29	3060
148	5	20	*	10	15	29	3030
149	5	40	*	5	20	26	3010
150	6	0	*	10	20	27	3060
151	6	20	*	0	15	31	3020
152	6	39	*	30	15	29	2960
153	6	59	*	0	30	30	3015
154	7	19	*	10	40	30	2995
155	7	39	*	30	20	27	3030

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06 GE YD. UMP ET SS SIG	2-07 1STAGE HYD. PUMP INLET PRESS PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
0	5	24	2960	2957	1045	1041	40	32
5	15	20	2920	2991	1041	1037	40	30
5	0	33	2995	2957	1041	1041	36	31
5	0	23	2970	2972	1041	1043	44	29
5	15	33	2995	2967	1035	1033	42	30
5	0	23	2920	2967	1041	1039	40	28
0	10	33	2960	2981	1041	1037	36	31
0	0	33	2965	2972	1039	1033	34	28
0	0	33	3020	2967	1043	1037	34	29
0	0	22	2950	2957	1041	1039	40	31
0	0	39	2960	2967	1029	1033	36	30
0	0	40	3005	2967	1035	1031	40	28
5	0	23	2975	2947	1037	1035	44	29
0	0	23	2960	2972	1041	1039	34	30
5	0	31	2955	2981	1045	1037	40	32
0	0	40	3020	2981	1045	1033	36	30
0	10	26	3010	2962	1041	1039	40	29
5	5	33	2955	2967	1035	1031	44	30
0	0	44	3020	2981	1041	1037	26	29
0	5	27	3010	2962	1043	1033	34	27
0	10	20	2970	2947	1037	1031	30	31
0	0	40	3000	2991	1035	1031	34	29
0	5	3	200	198	2	*	16	0
0	5	1	10	0	0	*	8	0
5	0	*	*	0	*	*	4	0
0	5	*	0	0	*	*	2	0
0	25	0	0	29	10	4	4	0
0	25	0	0	4	10	2	8	0
0	15	0	0	14	4	0	10	0
0	5	0	0	19	6	4	6	0
0	30	0	0	4	16	0	8	0
0	40	0	*	9	8	4	0	*
0	40	0	0	9	2	4	2	*
0	10	0	0	9	6	0	6	0
0	15	0	0	0	12	2	2	0
5	15	26	3030	3046	1067	36	42	32
5	15	31	3060	3046	40	32	40	29
5	0	25	3060	3061	42	36	42	32
5	30	31	3060	3036	44	30	42	30
0	20	29	3110	3041	46	28	44	31
0	5	28	3100	3051	42	32	40	34
0	15	29	3060	3041	32	40	34	30
0	19	29	3030	3021	1085	1073	36	31
0	20	26	3010	3011	1077	1067	36	31
0	20	27	3060	2996	1061	1069	40	32
0	15	31	3020	3011	1077	1061	40	31
0	15	29	2960	2996	1077	1067	44	31
0	30	30	3015	2996	1061	1061	36	31
0	40	30	2995	3006	1063	1067	44	30
0	20	27	3035	2981	1071	1067	44	33

HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
1	0	5	0	6
2	0	24	0	8
3	0	44	0	8
4	1	4	10	4
5	1	23	10	4
6	1	43	10	6
7	2	2	0	2
8	2	22	50	6
9	2	42	2969	968
10	3	1	3040	970
11	3	21	2994	1314
12	3	41	3045	1366
13	4	0	3090	1372
14	4	20	3040	1382
15	4	40	3045	1404
16	4	59	3151	1400
17	5	19	3050	1400
18	5	39	3040	1414
19	5	58	3080	1424
20	6	18	3060	1428
21	6	38	3045	1424
22	6	57	3049	1426
23	7	17	3040	1436
24	7	37	3131	1430
25	7	56	3045	1436
26	8	16	2999	1444
27	8	35	2989	1442
28	8	55	3019	1448
29	9	15	3019	1442
30	9	34	3060	1444
31	9	54	2999	1440
32	10	13	3035	1446
33	10	33	3019	1450
34	10	53	2964	1444
35	11	12	3019	1448
36	11	32	3049	1446
37	11	51	3131	1448
38	12	11	3075	1448
39	12	31	3039	1450
40	12	50	2954	1446
41	13	10	3040	1452
42	13	29	2994	1446
43	13	49	3080	1452
44	14	9	2994	1454
45	14	28	3035	1456

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-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
46	14	48	2999	1452
47	15	7	3050	1446
48	15	27	3019	1446
49	15	47	3040	1446
50	16	6	3070	1450
51	16	26	3131	1448
52	16	45	3060	1456
53	17	5	3060	1452
54	17	25	3009	1448
55	17	44	3041	1456
56	18	4	2964	1456
57	18	23	3035	1460
58	18	43	3019	1446
59	19	3	2979	1456
60	19	22	2964	1452
61	19	42	2969	1456
62	20	2	2964	1454
63	20	21	3019	1454
64	20	41	3035	1454
65	21	0	2989	1454
66	21	20	3030	1454
67	21	39	3035	1448
68	21	59	2954	1456
69	22	19	2984	1456
70	22	38	3035	1456
71	22	58	3031	1454
72	23	18	3030	1454
73	23	37	2989	1458
74	23	57	3061	1456
75	24	16	2954	1448
76	24	36	2954	1448
77	24	56	3024	1456
78	25	15	2964	1446
79	25	35	3045	1446
80	25	55	3030	1450
81	26	14	2984	1454
82	26	34	2959	1450
83	26	53	2939	1452
84	27	13	2964	1454
85	27	33	2964	1446
86	27	52	3045	1452
87	28	12	3019	1448
88	28	31	2969	1448
89	28	51	3040	1454
90	29	11	2979	1460
91	29	30	3030	1456
92	29	50	3131	1460
93	30	9	2944	1460
94	30	29	3030	1454
95	30	49	2999	1460

2-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
96	31	8	3035	1454
97	31	28	2934	1452
98	31	48	3049	1460
99	32	7	3080	1460
100	32	27	3060	1454
101	32	47	2999	1452
102	33	6	2964	1446
103	33	26	2939	1446
104	33	46	3030	1456
105	34	5	2944	1464
106	34	25	2949	1458
107	34	44	3019	1448
108	35	4	2961	1446
109	35	24	3030	1454
110	35	43	3050	1454
111	36	3	3019	1454
112	36	23	3031	1450
113	36	42	3040	1446
114	37	2	3035	1456
115	37	22	2979	1446
116	37	41	2949	1456
117	38	1	2979	1452
118	38	21	0	30
119	38	40	*	4
120	39	0	*	6
121	39	20	*	6
132	0	4	20	*
133	0	24	35	*
134	0	43	15	*
135	1	3	15	*
136	1	23	20	*
137	1	43	10	*
138	2	3	20	*
139	2	22	15	*
140	2	42	15	*
141	3	2	3095	1244
142	3	22	3069	1280
143	3	42	3131	952
144	4	1	3060	938
145	4	21	3045	1328
146	4	41	3232	1348
147	5	1	3080	1346
148	5	20	3045	1360
149	5	40	3110	1368
150	6	0	3040	1368
151	6	20	3110	1372
152	6	39	3085	1370
153	6	59	3040	1370
154	7	19	3060	1380
155	7	39	3045	1382

HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

4-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C
1	0	9	-18	-17	-16	-17	-16
2	0	29	-17	-16	-16	-16	-17
3	0	49	-16	-16	-17	-16	-16
4	1	8	-16	-18	-17	-16	-16
5	1	28	-16	-18	-17	-16	-16
6	1	48	-17	-16	-15	-16	-17
7	2	7	-17	-18	-17	-16	-16
8	2	27	-16	-17	-16	-17	-16
9	2	47	-17	-16	-17	-16	-13
10	3	6	-15	-16	-17	-15	-4
11	3	26	-15	-17	-16	-1	1
12	3	46	-15	-18	-17	0	5
13	4	5	-16	-18	-17	2	9
14	4	25	-16	-18	-16	4	14
15	4	45	-15	-18	-17	3	15
16	5	4	-16	-17	-16	6	15
17	5	24	-16	-17	-16	6	16
18	5	44	-16	-18	-16	8	19
19	6	3	-18	-17	-15	9	18
20	6	23	-18	-17	-16	12	22
21	6	43	-16	-17	-16	12	22
22	7	2	-16	-16	-14	14	24
23	7	22	-16	-16	-15	14	26
24	7	41	-16	-17	-16	17	26
25	8	1	-17	-16	-16	18	28
26	8	21	-16	-16	-16	17	27
27	8	40	-16	-17	-16	19	29
28	9	0	-18	-17	-16	20	29
29	9	20	-16	-16	-14	22	32
30	9	39	-15	-15	-16	23	32
31	9	59	-18	-17	-16	23	33
32	10	18	-18	-17	-15	22	33
33	10	38	-16	-17	-16	24	33
34	10	58	-15	-15	-15	25	34
35	11	17	-16	-15	-14	25	36
36	11	37	-16	-15	-16	26	36
37	11	56	-18	-16	-14	27	38
38	12	16	-14	-16	-15	28	38
39	12	36	-16	-17	-15	29	37
40	12	55	-14	-15	-15	31	38
41	13	15	-14	-15	-14	30	39
42	13	34	-15	-14	-12	30	40
43	13	54	-15	-14	-14	32	40
44	14	14	-14	-16	-14	33	42
45	14	33	-14	-16	-14	33	42

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

-10 AGE PUMP LET YD. EMP G.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C
-17	-16	-17	-16	-15	-16	-17	-16	-16
-16	-16	-16	-17	-16	-15	-15	-16	-17
-16	-17	-16	-16	-16	-15	-16	-17	-17
-18	-17	-16	-16	-18	-16	-16	-17	-16
-18	-17	-16	-16	-16	-17	-16	-17	-16
-16	-15	-16	-17	-16	-16	-16	-18	-18
-18	-17	-16	-16	-15	-17	-16	-18	-17
-17	-16	-17	-16	-17	-16	-17	-15	-16
-16	-17	-16	-13	-16	-15	-15	-12	-17
-16	-17	-15	-4	-19	-15	-16	-9	-16
-17	-16	-1	1	-17	-16	-14	-8	-18
-18	-17	0	5	-16	-14	-12	-6	-17
-18	-17	2	9	-16	-14	-10	-3	-16
-18	-16	4	14	-15	-12	-10	-1	-16
-18	-17	3	15	-14	-7	-8	0	-15
-17	-16	6	15	-9	-4	-5	1	-16
-17	-16	6	15	-6	-0	-3	2	-18
-18	-16	8	19	-3	1	-0	2	-16
-17	-15	9	18	1	3	0	5	-16
-17	-16	12	22	2	6	1	6	-16
-17	-16	12	22	6	8	4	8	-16
-15	-14	14	24	7	9	3	8	-15
-16	-15	14	26	11	12	6	8	-16
-17	-16	17	26	13	12	9	11	-15
-16	-16	18	28	15	15	11	11	-14
-16	-16	17	27	18	15	13	13	-16
-17	-16	19	29	18	17	15	14	-15
-17	-16	20	29	20	18	15	17	-15
-16	-14	22	32	22	19	17	17	-13
-15	-16	23	32	24	18	17	19	-14
-17	-16	23	31	24	21	15	20	-14
-17	-15	22	33	26	21	15	21	-14
-17	-16	24	33	27	22	15	22	-12
-18	-15	25	34	28	22	17	23	-13
-15	-14	25	36	29	24	18	22	-12
-15	-16	26	36	30	23	15	23	-12
-16	-14	27	38	29	24	16	22	-10
-16	-15	28	38	31	25	17	25	-10
-17	-15	29	37	32	25	16	24	-12
-18	-15	31	38	33	25	17	25	-10
-18	-14	30	39	33	28	17	26	-9
-14	-12	30	40	35	28	18	26	-8
-14	-14	32	40	35	28	18	27	-7
-18	-14	33	42	36	29	17	27	-8
-18	-14	33	41	36	30	19	27	-8

2

4-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4 2ST AFC (CC / CI DI
46	14	53	-14	-14	-13	33	41	
47	15	12	-13	-15	-13	33	42	
48	15	32	-13	-16	-14	36	43	
49	15	52	-14	-15	-13	36	44	
50	16	11	-14	-15	-13	36	45	
51	16	31	-13	-15	-13	36	44	
52	16	50	-14	-13	-12	36	44	
53	17	10	-12	-14	-11	36	45	
54	17	30	-12	-12	-13	36	46	
55	17	49	-13	-12	-12	39	45	
56	18	9	-12	-13	-12	37	48	
57	18	28	-12	-13	-12	39	45	
58	18	48	-13	-12	-12	39	46	
59	19	8	-13	-11	-12	39	48	
60	19	27	-12	-11	-12	39	48	
61	19	47	-10	-12	-10	42	49	
62	20	6	-12	-13	-12	41	48	
63	20	26	-11	-11	-10	41	51	
64	20	46	-11	-12	-11	43	50	
65	21	5	-10	-11	-10	41	49	
66	21	25	-12	-12	-11	43	51	
67	21	44	-10	-11	-12	43	51	
68	22	4	-12	-11	-11	44	52	
69	22	24	-10	-10	-11	45	52	
70	22	43	-9	-11	-9	44	52	
71	23	3	-9	-11	-10	45	53	
72	23	22	-10	-10	-9	44	52	
73	23	42	-10	-10	-10	45	52	
74	24	2	-11	-9	-8	45	52	
75	24	21	-9	-11	-9	48	54	
76	24	41	-8	-10	-9	48	54	
77	25	1	-8	-10	-8	48	55	
78	25	20	-9	-11	-8	48	54	
79	25	40	-8	-8	-10	49	54	
80	26	59	-9	-9	-10	49	54	
81	26	19	-8	-10	-8	49	56	
82	26	39	-8	-10	-8	48	55	
83	26	58	-8	-10	-8	48	56	
84	27	18	-8	-9	-8	49	56	
85	27	37	-8	-8	-7	51	56	
86	27	57	-8	-8	-9	50	56	
87	28	17	-7	-8	-9	50	56	
88	28	36	-8	-7	-8	51	55	
89	28	56	-7	-8	-7	51	58	
90	29	15	-7	-8	-8	52	56	
91	29	35	-8	-7	-8	52	59	
92	29	55	-7	-8	-6	52	58	
93	30	14	-7	-8	-6	53	59	
94	30	34	-6	-8	-7	53	58	
95	30	54	-6	-8	-6	54	59	

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-10 AGE UMP LET YD. EMP G.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C
-14	-16	33	41	38	29	18	28	-8
15	-13	33	42	36	30	19	27	-6
16	-14	36	43	40	30	19	27	-7
15	-13	36	44	38	31	19	28	-7
15	-13	36	45	40	31	19	27	-6
15	-13	36	44	40	30	20	28	-5
13	-12	36	44	42	32	19	30	-7
14	-11	36	45	41	32	21	29	-5
12	-13	36	46	41	32	21	29	-5
12	-12	39	45	43	33	21	29	-6
13	-12	37	48	43	34	22	29	-4
13	-12	39	45	43	33	22	31	-4
12	-12	39	46	45	33	22	31	-4
11	-12	39	48	45	34	22	32	-4
11	-12	39	48	46	34	23	32	-3
12	-10	42	49	44	35	23	31	-2
13	-12	41	48	46	34	22	32	-2
11	-10	41	51	45	35	22	32	-1
12	-11	43	50	48	34	23	31	-2
11	-10	41	49	48	36	23	33	-1
12	-11	43	51	48	36	23	33	-2
11	-12	43	51	49	36	23	33	-0
11	-11	44	52	48	37	25	32	-1
10	-11	45	52	49	36	24	33	0
11	-9	44	52	49	38	25	33	0
11	-10	45	53	49	38	24	33	0
0	-9	44	52	49	38	25	33	1
0	-10	45	52	50	36	23	34	1
9	-8	45	52	52	39	24	34	0
11	-9	48	54	51	39	25	33	2
10	-9	48	54	52	39	25	34	1
0	-8	48	55	52	39	24	34	2
1	-8	48	54	51	39	26	33	2
8	-10	49	54	53	40	24	34	2
9	-10	49	54	54	40	24	34	3
0	-8	49	56	52	39	25	34	4
0	-8	48	55	54	41	25	35	3
0	-8	48	56	54	41	25	35	3
9	-8	49	56	55	42	25	34	5
9	-7	51	56	55	41	25	33	4
8	-9	50	56	56	41	26	34	4
8	-9	50	56	56	41	26	34	4
7	-8	51	55	56	42	26	34	4
8	-7	51	58	56	41	27	36	4
8	-8	52	56	56	41	26	36	7
7	-8	52	59	58	43	27	36	4
8	-6	52	58	56	43	27	34	6
8	-6	53	59	58	41	27	35	5
9	-7	53	58	58	43	27	36	6
9	-6	54	59	58	44	28	36	7

2

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C
96	31	13	-7	-7	-7	53	59
97	31	33	-6	-7	-6	54	60
98	31	53	-8	-6	-6	53	59
99	32	12	-6	-8	-6	54	60
100	32	32	-5	-6	-6	54	61
101	32	52	-6	-8	-5	55	61
102	33	11	-6	-4	-6	56	60
103	33	31	-4	-6	-6	55	62
104	33	50	-7	-5	-4	55	62
105	34	10	-5	-7	-6	56	61
106	34	30	-5	-6	-7	56	61
107	34	49	-4	-7	-5	55	62
108	35	9	-6	-5	-6	56	62
109	35	29	-6	-5	-7	57	62
110	35	48	-9	-4	-6	57	61
111	36	8	-4	-5	-4	56	62
112	36	28	-4	-6	-5	56	62
113	36	47	-4	-4	-5	58	64
114	37	7	-5	-4	-5	58	64
115	37	27	-4	-6	-4	58	62
116	37	46	-4	-5	-4	59	63
117	38	6	-5	-4	-6	59	64
118	38	26	-5	-4	-4	58	61
119	38	45	-5	-4	-5	58	59
120	39	5	-5	-4	-5	57	55
121	39	25	-3	-4	-5	58	54
132	0	9	-14	-16	-14	-16	-16
133	0	29	-17	-16	-14	-15	-14
134	0	48	-16	-15	-15	-14	-14
135	1	8	-15	-16	-14	-15	-15
136	1	28	-16	-15	-16	-15	-15
137	1	48	-15	-16	-14	-16	-15
138	2	8	-16	-15	-16	-14	-14
139	2	27	-15	-15	-15	-14	-14
140	2	47	-16	-15	-15	-16	-16
141	3	7	-15	-16	-17	-12	-8
142	3	27	-17	-16	-15	-7	-1
143	3	46	-16	-16	-15	0	3
144	4	6	-16	-15	-16	1	7
145	4	26	-16	-16	-16	2	11
146	4	46	-15	-16	-17	6	15
147	5	5	-15	-16	-14	10	19
148	5	25	-17	-15	-15	11	21
149	5	45	-15	-16	-14	10	20
150	6	5	-15	-15	-16	9	19
151	6	24	-15	-15	-14	11	21
152	6	44	-16	-14	-16	12	23
153	7	4	-14	-16	-14	14	23
154	7	24	-15	-16	-15	16	24
155	7	44	-14	-16	-15	16	24

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4-10 AGE UMP LET YD. EMP G.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C
-7	-7	53	59	59	43	27	36	7
-7	-6	54	60	58	44	27	36	7
-6	-6	53	59	59	45	25	35	8
-8	-6	54	60	59	44	25	35	8
-8	-6	54	61	60	45	28	36	9
-8	-5	55	61	59	45	27	36	9
-4	-6	56	60	60	44	28	36	8
-6	-6	55	62	60	45	26	36	10
-5	-4	55	62	61	45	26	37	9
-7	-6	56	61	62	45	27	36	9
-6	-7	56	61	62	44	28	36	9
-7	-5	55	62	59	46	27	37	11
-5	-6	56	62	61	45	27	37	11
-5	-7	57	62	63	48	28	38	11
-4	-6	57	61	62	45	28	36	9
-5	-4	56	62	64	47	27	36	11
-6	-5	55	62	61	48	26	38	12
-4	-5	59	64	62	46	27	37	12
-4	-5	58	64	62	46	27	36	12
-6	-4	58	62	64	48	27	37	12
-5	-4	59	63	64	48	27	38	11
-4	-6	59	64	65	48	28	36	12
-4	-4	58	61	63	44	28	36	12
-4	-5	58	59	60	41	27	34	13
-4	-5	57	55	60	39	27	33	15
-4	-5	58	54	59	38	25	32	14
-16	-14	-16	-16	-15	-14	-15	-15	-16
-16	-14	-15	-14	-16	-14	-16	-17	-15
-15	-15	-14	-14	-15	-15	-14	-16	-15
-16	-14	-15	-15	-15	-14	-16	-17	-15
-16	-16	-15	-15	-15	-14	-14	-16	-17
-16	-14	-16	-15	-14	-15	-16	-15	-16
-15	-16	-14	-14	-16	-13	-16	-15	-15
-15	-15	-14	-14	-16	-14	-15	-16	-14
-15	-15	-16	-16	-14	-13	-15	-14	-16
-16	-17	-12	-8	-15	-13	-16	-13	-15
-16	-15	-9	-1	-14	-14	-14	-10	-17
-16	-13	0	3	-15	-14	-14	-6	-16
-15	-16	1	7	-15	-14	-12	-4	-17
-16	-16	2	11	-14	-12	-8	-3	-16
-16	-13	6	15	-15	-13	-7	-2	-15
-16	-14	10	19	-15	-13	-4	0	-14
-15	-15	11	21	-12	-8	-4	1	-15
-16	-14	10	20	-10	-2	-0	2	-15
-15	-16	9	19	-4	0	0	3	-14
-15	-14	11	21	-1	3	1	6	-16
-14	-16	12	23	1	5	2	7	-14
-16	-14	14	23	4	6	5	7	-14
-16	-15	16	24	7	9	2	7	-14
-16	-15	16	23	11	11	4	11	-13

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
1	0	9	-15	-16	-17	-17	-16	-18
2	0	29	-16	-15	-17	-16	-19	-18
3	0	49	-18	-17	-16	-16	-18	-17
4	1	9	-16	-15	-16	-18	-18	-17
5	1	28	-16	-17	-16	-16	-18	-17
6	1	48	-15	-16	-17	-17	-16	-19
7	2	7	-16	-17	-17	-16	-19	-18
8	2	27	-17	-15	-19	-18	-17	-17
9	2	47	-16	-13	-17	-16	-4	-9
10	3	6	-15	-6	-16	-18	1	-1
11	3	26	-14	-11	-18	-17	6	-6
12	3	46	-16	-13	-17	-16	8	-2
13	4	5	-16	-10	-17	-16	12	2
14	4	25	-15	-9	-16	-16	15	8
15	4	45	-16	-10	-16	-16	17	9
16	5	4	-15	-12	-17	-15	21	11
17	5	24	-14	-12	-15	-17	22	14
18	5	44	-15	-10	-14	-15	24	13
19	6	3	-14	-9	-16	-15	27	10
20	6	23	-14	-12	-16	-15	28	14
21	6	43	-17	-12	-15	-14	29	19
22	7	2	-15	-10	-12	-14	30	25
23	7	22	-15	-10	-12	-12	32	21
24	7	41	-15	-12	-13	-13	32	23
25	8	1	-15	-12	-13	-11	33	25
26	8	21	-17	-12	-11	-11	35	21
27	8	40	-14	-10	-11	-10	35	21
28	9	0	-17	-10	-10	-9	36	21
29	9	20	-16	-10	-9	-8	36	21
30	9	39	-14	-10	-8	-7	38	21
31	9	59	-14	-10	-9	-7	38	21
32	10	18	-14	-9	-7	-7	39	21
33	10	38	-14	-8	-8	-7	39	1
34	10	58	-16	-10	-5	0	38	
35	11	17	-18	-10	-5	-2	36	
36	11	37	-14	-8	-4	-4	38	
37	11	56	-14	-8	-5	-3	38	
38	12	16	-14	-8	-5	-2	39	
39	12	36	-15	-8	-3	-3	39	
40	12	55	-16	-8	-3	-1	40	
41	13	15	-16	-7	-2	-0	40	
42	13	34	-14	-6	-3	0	41	
43	13	54	-15	-6	-1	0	41	
44	14	14	-14	-7	0	1	43	1
45	14	37	-12	-7	-1	1	43	1

1690

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
46	14	53	-14	-6	0	1	43	18
47	15	12	-12	-6	0	2	43	11
48	15	32	-16	-6	1	2	44	18
49	15	52	-14	-6	1	4	44	25
50	16	11	-14	-7	2	3	44	27
51	16	31	-12	-6	2	3	44	28
52	16	50	-14	-4	0	4	46	28
53	17	10	-13	-4	1	5	45	28
54	17	30	-12	-6	2	6	44	29
55	17	49	-13	-4	3	4	46	28
56	18	9	-15	-5	4	6	45	29
57	18	28	-14	-3	3	7	46	28
58	18	48	-13	-2	3	7	46	28
59	19	8	-13	-3	3	7	46	28
60	19	27	-13	-4	4	8	46	28
61	19	47	-11	-4	4	9	47	28
62	20	6	-12	-4	6	8	48	26
63	20	26	-12	-3	6	9	48	27
64	20	46	-11	-3	6	10	48	27
65	21	5	-12	-3	6	10	48	27
66	21	25	-13	-2	7	9	48	27
67	21	44	-13	-2	6	8	48	28
68	22	4	-11	-4	7	9	48	28
69	22	24	-12	-2	7	9	49	28
70	22	43	-12	-0	7	9	49	28
71	23	3	-11	-0	7	11	49	28
72	23	22	-12	-2	8	11	48	29
73	23	42	-12	-2	8	12	48	28
74	24	2	-13	-0	8	11	49	28
75	24	21	-12	0	8	12	48	29
76	24	41	-12	-1	9	14	48	29
77	25	1	-13	-1	8	11	49	30
78	25	20	-10	0	8	13	49	28
79	25	40	-10	0	11	13	50	30
80	25	59	-11	-0	9	13	50	29
81	26	19	-12	0	11	14	48	30
82	26	39	-11	-1	10	14	51	31
83	26	58	-11	-1	11	14	50	31
84	27	18	-11	0	9	14	51	31
85	27	37	-12	0	9	13	51	29
86	27	57	-10	0	9	14	51	31
87	28	17	-11	0	11	15	50	31
88	28	36	-10	0	11	15	51	31
89	28	56	-10	0	11	15	51	31
90	29	15	-11	1	11	15	50	31
91	29	35	-11	0	11	15	51	31
92	29	55	-10	0	11	15	51	31
93	30	14	-10	0	11	15	51	31
94	30	34	-10	0	12	17	52	31
95	30	54	-10	1	12	15	51	31

1691

4-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-2 UTIL HEA EXCH OUTLE HYC DEG.
96	31	13	-10	1	11	15	50	
97	31	33	-10	1	12	15	52	
98	31	53	-11	1	13	16	51	
99	32	12	-11	1	13	17	51	
100	32	32	-8	0	13	17	51	
101	32	52	-8	0	14	17	52	
102	33	11	-9	2	12	15	52	
103	33	31	-10	1	14	15	52	
104	33	50	-8	0	15	16	52	
105	34	10	-8	0	13	17	51	
106	34	30	-9	0	12	17	52	
107	34	49	-8	0	15	17	51	
108	35	9	-11	1	14	17	51	
109	35	29	-10	1	15	18	52	
110	35	48	-9	0	15	17	52	
111	36	8	-10	2	14	18	52	
112	36	28	-11	1	15	18	52	
113	36	47	-8	0	15	19	52	
114	37	7	-9	2	14	17	53	
115	37	27	-11	2	15	18	52	
116	37	46	-10	2	15	18	52	
117	38	6	-9	0	15	18	52	
118	38	26	-10	1	16	18	52	
119	38	45	-8	0	15	19	48	
120	39	5	-8	0	15	19	47	
121	39	25	-11	0	17	19	44	
132	0	9	-13	-14	-15	-16	-16	
133	0	29	-15	-13	-16	-15	-17	
134	0	48	-14	-16	-14	-15	-16	
135	1	8	-14	-14	-16	-14	-15	
136	1	28	-12	-15	-15	-16	-15	
137	1	48	-14	-12	-15	-14	-15	
138	2	8	-15	-13	-16	-16	-15	
139	2	27	-16	-15	-14	-16	-15	
140	2	47	-14	-12	-16	-14	-15	
141	3	7	-14	-13	-16	-16	-7	
142	3	27	-16	-15	-14	-14	0	
143	3	46	-13	-8	-14	-14	3	
144	4	6	-15	-4	-14	-15	6	
145	4	26	-14	-3	-15	-14	11	
146	4	46	-15	-5	-15	-16	15	
147	5	5	-15	-6	-15	-16	17	
148	5	25	-12	-7	-14	-14	19	
149	5	45	-16	-7	-14	-16	22	
150	6	5	-12	-8	-14	-13	25	
151	6	24	-13	-7	-14	-13	27	
152	6	44	-12	-7	-13	-12	27	
153	7	4	-15	-6	-12	-12	30	
154	7	24	-12	-8	-14	-12	30	
155	7	44	-12	-7	-12	-12	29	

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
181	15	24	0	0	*	0	-19
182	15	43	0	0	*	0	-13
183	16	3	0	0	*	0	-17
184	16	23	0	0	*	0	-17
185	16	43	0	0	*	0	-17
186	17	2	0	0	*	0	-17
187	17	22	0	*	*	0	-13
188	17	42	0	0	*	0	-15
189	18	2	0	0	*	0	-13
190	18	22	0	0	*	0	-15
191	18	41	0	0	*	0	-17
192	19	1	0	0	*	0	-15
193	19	21	0	*	*	0	-13
194	19	41	0	0	*	0	-17
195	20	0	0	0	*	0	-19
196	20	20	0	0	*	0	-17
197	20	40	1	0	*	0	-19
198	21	0	0	0	*	0	-17
199	21	20	0	0	*	0	-17
200	21	39	0	*	*	0	-13
201	21	59	0	0	*	0	-19
202	22	19	19	0	*	0	-17
203	22	39	46	33	23	6	264
204	22	59	59	35	8	20	341
205	23	18	59	34	7	26	340
206	23	38	59	34	7	27	340
207	23	58	58	36	6	28	347
208	24	18	62	36	6	28	349
209	24	37	66	49	17	31	349
210	24	57	77	101	36	78	366
211	25	17	78	114	35	93	400
212	25	37	80	122	35	100	415
213	25	57	80	133	44	100	427
214	26	16	81	144	50	*	451
215	26	36	81	144	50	99	442
216	26	56	80	143	49	100	443
217	27	16	81	142	49	99	441
218	27	35	82	140	49	99	442
219	27	55	82	141	48	99	441
220	28	15	81	142	48	99	448
221	28	35	81	139	48	99	442
222	28	55	81	139	47	99	451
223	29	14	80	138	47	100	443
224	29	34	81	136	47	100	439

HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

1-06 ENG.1 FUEL FLOW LB/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG
0	*	0	-19	0	0	2	0	1
0	*	0	-13	0	*	1	0	1
0	*	0	-17	0	0	1	0	1
0	*	0	-17	0	0	1	0	1
0	*	0	-17	0	0	2	0	1
0	*	0	-17	0	0	2	0	1
*	*	0	-13	0	*	0	0	1
0	*	0	-15	0	*	2	0	1
0	*	0	-13	0	*	0	0	1
0	*	0	-15	0	0	1	0	0
0	*	0	-17	0	0	1	0	0
0	*	0	-15	0	*	1	0	1
*	*	0	-13	0	*	1	0	1
0	*	0	-17	0	0	2	0	1
0	*	0	-19	0	0	1	0	1
0	*	0	-17	0	0	1	0	1
0	*	0	-19	0	0	2	0	1
0	*	0	-17	0	0	2	0	1
0	*	0	-17	0	0	1	0	1
*	*	0	-13	0	*	1	0	1
0	*	0	-19	0	0	1	0	1
0	*	0	-17	0	*	49	3	3
33	23	6	264	6	21	107	26	11
35	8	20	341	20	20	107	21	17
34	7	26	340	24	20	87	20	13
34	7	27	340	28	21	73	18	22
36	6	28	347	28	21	65	21	12
36	6	28	349	28	21	57	17	17
49	17	31	349	32	34	68	19	23
101	36	78	366	78	38	74	23	24
114	35	93	400	94	76	67	20	18
122	35	100	415	100	88	61	24	22
133	44	100	427	100	88	61	22	23
144	50	*	451	101	89	61	22	23
144	50	99	442	100	83	58	21	22
143	49	100	443	*	83	58	20	23
142	49	99	441	99	83	57	19	23
140	49	99	442	98	83	57	19	22
141	48	99	441	98	83	58	22	22
142	48	99	448	100	83	56	20	25
139	48	99	442	100	83	58	21	25
139	47	99	451	100	83	57	17	24
138	47	100	443	100	83	57	15	24
136	47	100	439	100	83	55	19	23
137	47	99	444	100	83	56	17	24

1-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1 RC PE
226	30	14	81	137	47	*	447	
227	30	33	80	137	46	100	448	
228	30	53	81	136	46	100	439	
229	31	13	80	135	46	99	444	
230	31	33	81	144	50	99	452	
231	31	53	81	143	51	100	458	
232	32	12	83	144	51	98	458	
233	32	32	82	144	50	100	452	
234	32	52	81	144	50	100	452	
235	33	12	82	147	52	*	461	
236	33	31	81	144	51	99	460	
237	33	51	82	145	50	100	456	
238	34	11	82	144	50	100	461	
239	34	31	81	144	51	99	455	
240	34	50	81	144	51	100	452	
241	35	10	81	145	52	99	460	
242	35	30	82	148	53	98	461	
243	35	50	83	159	60	99	476	
244	36	10	85	173	70	97	502	
245	36	30	81	134	39	*	451	
246	36	49	81	142	50	100	452	
247	37	9	82	140	50	99	455	
248	37	29	81	142	48	98	461	
249	37	49	82	144	52	99	455	
250	38	8	85	193	83	98	523	
251	38	28	88	225	95	99	569	
252	38	48	87	228	99	98	578	
253	39	8	83	156	56	100	476	
254	39	28	81	143	50	102	451	
255	39	47	81	142	49	100	451	
256	40	7	85	141	49	*	456	
257	40	27	82	140	48	100	452	
258	40	47	83	140	49	99	455	
259	41	6	81	139	48	100	453	
260	41	26	82	139	48	99	455	
261	41	46	82	142	49	100	455	
262	42	6	84	170	68	98	494	
263	42	26	91	144	51	98	461	
264	42	45	82	144	51	98	462	
265	43	5	82	144	51	100	465	
266	43	25	82	144	51	100	462	
267	43	45	82	144	51	99	463	
268	44	5	85	147	51	100	465	
269	44	24	82	141	51	100	466	
270	44	44	82	143	50	99	461	
271	45	4	82	142	49	98	461	
272	45	24	82	144	50	100	462	
273	45	43	83	144	51	100	465	
274	46	3	82	144	51	99	465	
275	46	23	82	145	51	100	4	

1-06 ENG.1 FUEL FLOW LB/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG
37	47	*	447	100	83	57	18	24
37	46	100	446	100	84	56	17	26
36	46	100	439	*	83	56	20	23
35	46	99	444	100	84	56	18	24
44	50	99	452	100	83	57	16	23
43	51	100	458	100	83	56	18	23
44	51	98	458	100	83	57	16	24
44	50	100	452	100	84	55	19	23
44	50	100	452	100	84	57	18	23
47	52	*	461	100	83	57	17	24
44	51	99	460	98	84	60	18	23
45	50	100	456	100	83	56	19	24
44	50	100	461	100	83	55	17	25
44	51	99	455	100	83	56	18	25
44	51	100	452	100	83	56	20	24
45	52	99	460	100	83	56	20	24
48	53	98	461	100	83	57	17	24
59	60	99	476	98	83	57	20	23
73	70	97	502	100	83	59	19	24
34	39	*	451	100	83	54	16	25
42	50	100	452	100	84	55	21	24
40	50	99	455	101	83	58	17	24
42	48	98	461	102	83	56	19	24
44	52	99	455	99	83	58	20	23
93	83	98	523	99	83	60	20	25
25	95	99	569	99	83	64	22	23
28	99	98	578	100	83	63	18	22
56	56	100	476	102	84	56	17	23
43	50	102	451	101	84	56	20	22
42	49	100	451	100	84	56	20	23
41	49	*	456	101	83	54	19	23
40	48	100	452	100	83	57	17	26
40	49	99	455	100	83	57	18	26
39	48	100	453	100	83	55	17	23
39	48	99	455	100	84	55	17	23
42	49	100	455	100	84	57	18	24
170	68	98	494	99	83	59	21	27
44	51	98	461	100	83	57	18	24
44	51	98	462	*	84	55	18	25
44	51	100	465	101	84	57	22	25
44	51	100	462	101	83	58	17	25
44	51	99	463	100	83	57	20	23
47	51	100	465	100	83	57	19	23
41	51	100	466	*	83	55	20	24
43	50	99	461	100	83	57	18	24
42	49	98	461	100	83	55	18	23
44	50	100	462	101	84	57	18	22
44	51	100	465	*	83	58	19	24
44	51	99	465	100	83	56	18	22
44	51	100	4	*	83	54	18	23
45	51							

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-05 ENG.1 RPM (NG) PERCNT	1-06 ENG.1 FUEL FLOW GAL/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C
276	46	43	83	144	51	100	465
277	47	2	82	144	52	100	467
278	47	22	83	144	51	100	465
279	47	42	82	144	51	99	467
280	48	2	82	145	51	100	462
281	48	21	83	144	51	100	467
282	48	41	82	144	51	100	465
283	49	1	82	144	50	100	463
284	49	21	82	144	51	100	463
285	49	41	82	143	51	99	471
286	50	0	82	144	51	99	467
287	50	20	83	144	51	100	466
288	50	40	82	145	51	100	474
289	50	59	83	144	51	100	465
290	51	19	84	144	51	100	467
291	51	39	82	144	51	99	471
292	51	59	83	144	51	99	467
293	52	18	82	144	51	99	467
294	52	38	83	144	51	99	467
295	52	58	82	144	51	102	467
296	53	18	83	144	51	100	467
297	53	37	82	144	51	100	465
298	53	57	83	143	52	102	471
299	54	17	82	144	51	100	472
300	54	37	82	144	51	101	467
301	54	56	74	59	0	95	372
302	55	16	19	1	*	19	293
303	55	36	6	0	*	9	198
304	55	56	0	*	*	0	169
305	56	15	0	0	*	0	158
306	56	35	0	*	*	0	169
307	56	55	0	0	*	0	175
308	57	15	0	*	*	0	194
309	*	*	*	*	*	*	*

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1-06 ENG.1 FUEL FLOW L/HR	1-07 ENG.1 TORQUE PERCNT	1-08 ENG.1 POWER TURB SPEED RPM PERCNT	1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C	1-15 ROTOR RPM PERCNT	1-17 L.H. THROTT POS PERCNT TRAVEL	1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG	1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG	1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG
144	51	100	465	100	83	56	18	25
144	52	100	467	100	83	56	20	22
144	51	100	465	100	84	56	21	23
144	51	99	467	100	83	56	16	22
145	51	100	462	100	83	56	16	23
144	51	100	467	100	83	56	19	23
144	51	100	465	100	83	56	18	24
144	50	100	463	*	83	56	20	23
144	51	100	463	100	84	57	20	23
143	51	99	471	100	83	56	19	24
144	51	99	467	100	83	57	18	24
144	51	100	466	101	83	56	19	23
145	51	100	474	100	83	55	20	24
144	51	100	465	100	83	58	18	25
144	51	100	467	101	83	56	20	23
144	51	99	471	101	83	56	20	23
144	51	99	467	101	84	57	19	28
144	51	99	467	100	83	56	18	22
144	51	99	467	100	84	58	18	24
144	51	102	467	101	83	58	18	28
144	51	100	467	101	84	56	20	23
144	51	100	465	100	83	56	20	24
143	52	102	471	101	83	56	16	24
144	51	100	472	101	83	55	18	23
144	51	101	467	100	83	56	17	25
59	0	95	372	94	23	33	14	20
1	*	19	293	47	*	0	2	10
0	*	9	198	29	*	*	1	15
*	*	0	169	22	*	*	0	18
0	*	0	158	16	*	*	0	24
*	*	0	169	11	*	0	0	26
0	*	0	175	6	*	0	0	27
*	*	0	194	5	*	0	0	28
*	*	*	*	*	*	*	*	*

2

HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
181	15	24	0	0	6	0	0
182	15	43	1	0	3	0	1
183	16	3	0	30	2	0	1
184	16	23	1	31	1	0	1
185	16	43	0	29	0	0	0
186	17	2	0	31	0	0	0
187	17	22	0	29	3	1	0
188	17	42	1	31	0	0	1
189	18	2	0	30	0	2	1
190	18	22	1	31	0	0	1
191	18	41	0	30	5	0	1
192	19	1	1	32	0	0	1
193	19	21	0	29	0	1	1
194	19	41	0	30	*	0	0
195	20	0	0	30	0	0	1
196	20	20	0	30	0	0	1
197	20	40	0	31	*	0	1
198	21	0	0	30	0	0	1
199	21	20	0	31	0	C	1
200	21	39	0	30	0	1	1
201	21	59	0	30	0	1	1
202	22	19	0	31	*	2	2
203	22	39	0	31	0	14	11
204	22	59	14	30	18	21	16
205	23	19	18	30	25	23	15
206	23	38	19	31	28	21	15
207	23	58	18	30	29	23	15
208	24	18	18	30	28	23	15
209	24	37	24	29	37	51	19
210	24	57	61	30	45	89	22
211	25	17	63	30	47	99	23
212	25	37	68	30	50	102	23
213	25	57	68	30	52	114	22
214	26	16	66	29	57	113	23
215	26	36	66	29	52	116	23
216	26	56	65	30	57	116	23
217	27	16	66	30	53	116	23
218	27	35	67	30	52	114	23
219	27	55	66	27	52	113	24
220	28	15	71	28	53	113	24
221	28	35	67	29	54	113	23
222	28	55	69	29	53	110	23
223	29	14	69	29	53	110	24
224	29	34	69	29	54	111	24
225	29	54	68	29	52	111	24

1696

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
226	30	14	66	29	53	113	22
227	30	33	69	28	55	110	23
228	30	53	66	30	55	111	22
229	31	13	71	29	60	110	24
230	31	33	69	29	62	116	23
231	31	53	66	28	55	115	23
232	32	12	69	30	61	116	23
233	32	32	71	30	62	116	23
234	32	52	68	28	64	114	23
235	33	12	69	29	63	116	23
236	33	31	68	29	57	114	23
237	33	51	68	29	59	114	23
238	34	11	69	28	67	116	23
239	34	31	66	30	59	114	24
240	34	50	66	28	63	116	23
241	35	10	67	29	64	117	23
242	35	30	68	28	62	118	24
243	35	50	66	30	62	125	23
244	36	10	66	28	63	131	23
245	36	30	69	29	62	101	23
246	36	49	68	27	6[illegible]	116	23
247	37	9	66	28	63	113	23
248	37	29	68	28	61	114	23
249	37	49	64	29	63	122	24
250	38	8	66	27	61	145	23
251	38	28	71	28	61	161	23
252	38	48	66	26	62	158	24
253	39	8	66	29	53	119	24
254	39	28	67	28	53	114	23
255	39	47	71	28	60	114	24
256	40	7	66	29	60	114	23
257	40	27	66	29	54	114	25
258	40	47	68	28	60	114	23
259	41	6	63	28	61	113	25
260	41	26	66	28	62	113	24
261	41	46	68	27	61	114	25
262	42	6	65	29	61	130	25
263	42	26	68	29	60	116	30
264	42	45	66	28	57	114	18
265	43	5	65	28	60	115	23
266	43	25	67	29	60	116	25
267	43	45	68	28	63	116	25
268	44	5	66	27	62	116	30
269	44	24	64	26	60	113	21
270	44	44	71	26	63	113	28
271	45	4	68	27	59	114	23
272	45	24	66	28	60	114	18
273	45	43	66	28	60	115	25
274	46	3	64	29	64	116	18
[illegible]	[illegible]	23	69	29	61	115	21

1697

-01 SWEEP COUNT	1-02 TIME MIN.	1-03 TIME SEC.	1-22 ENG.1 NOSE GEAR BOX OIL PSIG	1-23 ACCESS GEAR BOX OIL PRESS PSIG	1-24 MAIN GEAR BOX OIL PRESS PSIG	1-25 ENG.1 BLEED AIR PRESS PSIG	1-26 ENG.1 FUEL PUMP INLET PRESS PSIG
276	46	43	71	28	60	116	30
277	47	2	68	26	62	114	23
278	47	22	66	29	60	115	28
279	47	42	71	29	60	115	25
280	48	2	66	27	60	114	28
281	48	21	68	28	63	114	30
282	48	41	69	29	60	114	25
283	49	1	71	29	60	114	25
284	49	21	65	28	58	114	21
285	49	41	68	26	60	114	18
286	50	0	71	27	63	115	28
287	50	20	69	30	61	113	21
288	50	40	68	29	60	116	18
289	50	59	66	28	59	114	21
290	51	19	66	27	55	114	28
291	51	39	67	27	56	115	28
292	51	59	64	27	60	114	30
293	52	18	64	26	56	113	25
294	52	38	64	29	57	114	28
295	52	58	69	28	62	115	29
296	53	18	71	28	60	116	28
297	53	37	66	29	60	116	30
298	53	57	64	29	59	116	18
299	54	17	68	29	59	115	28
300	54	37	69	30	61	113	18
301	54	56	65	27	57	26	18
302	55	16	4	27	30	0	11
303	55	36	0	26	11	0	14
304	55	56	0	26	3	0	18
305	56	15	0	27	1	1	23
306	56	35	1	28	0	0	26
307	56	55	0	0	0	0	27
308	57	15	0	0	*	0	28
309	*	*	*	*	*	*	*

8691

HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

-01 SHEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2 2ST H (SE CY P
181	15	26	0	0	30	*	0	
182	15	46	1	15	5	38	*	27
183	16	5	*	0	20	32	3100	30
184	16	25	*	20	15	26	3110	30
185	16	45	0	0	30	31	3015	10
186	17	5	*	0	15	28	3020	30
187	17	25	*	5	0	22	2965	30
188	17	44	*	10	15	26	3020	29
189	18	4	*	5	5	23	2965	30
190	18	24	*	*	5	22	2995	30
191	18	44	*	0	20	26	3020	30
192	19	3	*	0	20	32	3100	30
193	19	23	*	0	5	40	3040	29
194	19	43	*	15	15	23	2965	29
195	20	3	*	0	30	23	2995	31
196	20	23	*	5	15	25	3020	31
197	20	42	0	0	20	20	2965	29
198	21	2	0	5	20	22	3100	29
199	21	22	0	5	30	40	2960	29
200	21	42	0	15	5	23	2960	29
201	22	2	*	0	15	26	3020	29
202	22	21	*	0	20	20	3020	2
203	22	41	20	1913	1932	24	2960	2
204	23	1	22	2910	2921	32	3110	3
205	23	21	21	2965	2931	24	2945	2
206	23	40	33	2970	2946	20	2955	2
207	24	0	34	2995	35	32	3110	2
208	24	20	31	2895	2921	26	3000	2
209	24	40	31	3031	2961	25	3020	2
210	25	0	*	*	2896	22	3225	2
211	25	19	33	3131	3042	31	2975	3
212	25	39	21	3066	3072	33	2955	3
213	25	59	32	3081	3062	31	2955	2
214	26	19	40	3081	3082	23	2960	2
215	26	38	49	3020	3072	25	3020	2
216	26	58	21	3066	3062	19	2960	2
217	27	18	40	3051	3052	31	2995	2
218	27	38	34	3066	3082	31	2955	2
219	27	58	27	2980	3027	20	2940	2
220	28	17	24	3066	3037	26	3030	2
221	28	37	49	2985	3057	33	2995	2
222	28	57	48	3041	3067	40	3020	2
223	29	17	20	3020	3263	21	2900	2
224	29	36	*	2970	3102	22	3000	2
225	29	56	41	3081	3062	20	2960	2

66 91

HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 >0 DEG F

2-06 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
0	30	*	0	0	8	4	0	*
15	5	38	*	2748	34	40	34	21
0	20	32	3100	3016	40	32	36	26
20	15	26	3110	3046	40	26	34	28
0	30	31	3015	1018	998	1007	36	27
0	15	28	3020	3021	1071	1061	40	27
5	0	22	2965	3021	1069	1063	38	32
10	15	26	3020	2996	1077	1061	36	30
5	5	23	2965	3016	1065	1067	38	30
*	5	22	2995	3001	1073	1057	32	32
0	20	26	3020	3011	1061	1061	30	31
0	20	32	3100	3006	1059	1061	40	32
0	5	40	3040	2986	1077	1059	36	30
15	15	23	2965	2986	1059	1051	34	32
0	30	23	2995	3016	1063	1057	42	30
5	15	25	3020	3021	1047	1055	38	29
0	20	20	2965	2981	1049	1057	40	31
5	20	22	3100	2991	1063	1051	42	31
5	30	40	2960	2981	1061	1051	32	32
15	5	23	2960	2986	1055	1049	34	29
0	15	26	3020	2986	1051	1053	36	32
0	20	20	3020	2967	1041	1059	38	31
1913	1932	24	2960	2991	1047	1055	42	32
2910	2921	32	3110	3006	1059	1051	34	30
2965	2931	24	2945	2998	1047	1047	34	29
2970	2946	20	2955	2986	1043	1041	36	34
2995	35	32	3110	2967	1057	1061	40	30
2895	2921	26	3000	2996	1063	1049	40	29
3031	2961	25	3020	2977	1045	1049	34	30
*	2896	22	3225	2982	1055	1057	40	27
3131	3042	31	2979	3001	1053	1049	38	30
3066	3072	33	2995	3001	1081	1049	36	29
2981	3062	31	2959	2986	1057	1059	30	32
3081	3082	23	2960	2981	1047	1051	42	30
3020	3072	25	3020	2967	1041	1051	34	30
3066	3062	19	2960	2986	1057	1049	36	30
3051	3052	31	2995	2947	1049	1055	36	33
3066	3082	31	2955	2991	1053	1047	34	31
2980	3027	30	2940	3036	1055	1055	36	31
3066	3037	26	3030	2967	1043	1051	30	32
2985	3057	33	2995	3001	1049	1043	30	33
3041	3067	40	3020	3001	1051	1055	40	29
3020	3263	21	2900	3071	1053	1047	28	30
2979	3102	22	3000	3200	1047	1047	26	32
2985	3062	20	2960	2981	1041	1047	34	31

2-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2- 2ST H (/ SE CY P
226	30	16	30	294[illegible]	2791	20	2705	29
227	30	36	21	3267	2735	34	3125	24
228	30	56	24	2980	3037	31	2995	29
229	31	15	21	3041	3032	26	3030	30
230	31	35	24	2900	3192	25	3320	29
231	31	55	41	3041	3022	26	3015	29
232	32	15	31	3066	3037	20	2900	31
233	32	34	33	2834	3012	21	2740	32
234	32	54	25	3111	2931	32	2725	30
235	33	14	21	3041	3042	40	3020	30
236	33	34	32	2985	3001	26	2655	33
237	33	54	30	3041	3027	44	3020	29
238	34	13	36	2945	2941	23	2705	32
239	34	33	*	2930	3062	22	3050	29
240	34	53	30	2970	3192	14	3200	34
241	35	13	30	3066	3062	33	3010	29
242	35	32	27	3081	3052	32	3010	29
243	35	52	35	3066	3072	32	3010	29
244	36	12	31	3066	3052	40	3020	29
245	36	32	49	3081	3012	31	2955	29
246	36	52	48	3041	3062	31	2955	29
247	37	11	29	2985	3022	23	2960	2
248	37	31	21	3020	3047	26	3055	2
249	37	51	49	2980	3052	3	2920	2
250	38	11	49	3031	3012	1	2815	2
251	38	31	25	3061	3017	*	2940	2
252	38	50	21	3061	3067	0	2945	2
253	39	10	32	3000	3012	12	3020	2
254	39	30	24	2980	3077	7	2950	3
255	39	50	32	3081	3032	4	2830	2
256	40	9	30	2985	3042	6	2815	3
257	40	29	40	3066	3067	3	2900	3
258	40	49	23	2985	3072	1	3000	2
259	41	9	25	3020	3112	0	3010	2
260	41	29	31	3041	2996	1	2965	3
261	41	48	24	2965	3012	1	2740	.
262	42	8	32	3020	3042	0	2940	(
263	42	28	35	2844	3062	*	3100	[illegible]
264	42	48	21	2985	2816	*	2885	
265	43	8	49	3227	2926	*	2735	
266	43	27	27	3051	2916	*	2610	
267	43	47	25	3041	2921	*	2785	
268	44	7	49	3051	2991	*	2655	
269	44	27	48	3041	2916	*	2635	
270	44	46	36	3010	2991	*	2945	
271	45	6	49	2935	3072	*	2655	
272	45	26	25	3066	3022	*	2955	
273	45	46	40	3041	3037	*	2865	
274	46	6	32	2980	3057	*	3010	
275	46	25	25	2985	3062	*	20[illegible]	

2-06 STAGE HYD. PUMP TLET RESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG	2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG
945	2791	20	2705	2981	1053	1041	28	29
267	2735	34	3125	2484	1057	1051	26	32
980	3037	31	2995	2967	1043	1041	22	31
941	3032	26	3030	3001	1051	1047	34	31
900	3192	25	3320	2907	1047	1051	40	29
041	3022	26	3015	2996	1051	1047	34	31
066	3037	20	2900	3180	1051	1047	36	31
834	3012	21	2740	3265	1041	1055	26	27
111	2931	32	2725	3061	1043	1055	26	29
041	3042	40	3020	3006	1059	1049	32	30
985	3001	26	2655	3369	1055	1047	34	31
041	3027	44	3020	2986	1057	1041	36	34
945	2941	23	2705	3205	1041	1055	40	26
930	3062	22	3050	2907	1055	1043	40	32
970	3192	14	3200	3404	1047	1047	32	32
066	3062	33	3010	2986	1057	1041	28	32
081	3052	32	3010	2981	1043	1047	32	28
066	3072	32	3010	2957	1043	1047	36	32
066	3052	40	3020	2986	1045	1049	30	31
081	3012	31	2955	2947	1049	1049	32	30
041	3062	31	2955	2981	1047	1043	32	31
985	3022	23	2960	2967	1041	1039	22	30
020	3047	26	3055	2683	1035	1035	26	28
980	3052	3	2920	2932	1029	1021	36	32
031	3012	1	2815	2907	1007	1035	26	32
061	3017	*	2940	2917	1021	1021	40	31
061	3067	0	2945	2917	1027	1023	28	31
000	3012	12	3020	2917	1041	1027	22	30
980	3077	7	2950	3096	1029	1021	32	29
081	3032	4	2830	2981	1025	1015	30	32
985	3042	6	2815	3056	1015	1023	30	31
066	3067	3	2900	3001	1029	1007	36	32
985	3072	1	3000	2857	1021	1019	28	31
920	3112	0	3010	2981	1037	1021	28	26
041	2996	1	2965	2882	1021	1019	26	30
965	3012	1	2740	3131	1021	1027	32	29
020	3042	0	2940	2922	1011	1019	30	29
044	3062	*	3100	2907	1017	1027	36	30
005	2816	*	2985	2981	1015	1007	36	31
927	2926	*	2735	2981	1021	1011	28	32
051	2916	*	2610	3180	1023	1015	22	32
041	2921	*	2785	2996	1021	1011	28	29
051	2991	*	2655	3131	1027	1015	26	31
041	2916	*	2635	2981	1017	1019	36	32
110	2991	*	2945	2981	1021	1011	32	31
030	3072	*	2655	2981	1021	1007	34	32
066	3022	*	2555	3190	1029	1013	36	29
041	3037	*	2865	2887	1021	1015	28	30
080	3057	*	3010	2877	1021	1013	40	32
085	3062	*	28	2902	1017	1023	22	29

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG
276	46	45	49	3020	3052	*	3025
277	47	5	48	3020	3112	*	3055
278	47	25	49	3066	2961	*	2670
279	47	44	32	3071	3017	*	2595
280	48	4	49	2980	3057	*	3250
281	48	24	29	3061	2876	*	2815
282	48	44	32	2945	3017	*	3005
283	49	3	33	3041	3062	*	3040
284	49	23	21	2980	2871	*	2735
285	49	43	48	2980	2876	*	3000
286	50	3	41	3066	2926	*	3015
287	50	22	26	3031	2936	*	2805
288	50	42	32	2945	3062	*	2950
289	51	2	24	3041	3017	*	2615
290	51	22	24	3041	2966	*	2685
291	51	41	49	2900	3022	*	2900
292	52	1	49	3066	3012	*	2655
293	52	21	24	2985	3006	*	2900
294	52	41	29	2980	3012	*	3010
295	53	0	40	2935	3062	*	3140
296	53	20	33	2839	3052	*	3100
297	53	40	45	2980	3052	*	3000
298	54	0	29	3041	3012	*	2770
299	54	19	48	2925	3062	*	3200
300	54	39	20	2839	3062	*	3055
301	54	59	38	3010	3012	1	2960
302	55	19	48	2920	2971	1	3000
303	55	38	*	2920	2911	1	2870
304	55	58	40	2839	2891	2	2940
305	56	18	14	2784	2821	4	2880
306	56	38	15	2723	2761	5	2865
307	56	57	8	1862	1872	7	2560
308	57	17	10	609	672	10	750
309	*	*	*	*	*	*	*

-06	2-07	2-08	2-09	2-10	2-11	2-12	2-13	2-14
AGE	1STAGE	2STAGE	2STAGE	2STAGE	2STAGE	2STAGE	UTIL.	UTIL.
YD.	HYD.	HYD.	HYD.	HYD.	AFCS 1	AFCS 1	HYD.	HYD.
UMP	(AFT	PUMP	PUMP	(AFT	(PITCH	(COLL.	AFCS 2	PUMP
LET	SERVO	INLET	OUTLET	SERVO	/ROLL	/YAW	(P/R	INLET
ESS	CYL.)	PRESS	PRESS	CYL.)	CHAN)	CHAN)	CHAN)	PRESS
SIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG	PSIG
20	3052	*	3025	2683	1015	1009	44	31
20	3112	*	3055	2668	1017	1021	36	32
66	2961	*	2670	3081	1015	1009	28	29
71	3017	*	2595	2986	1021	1019	28	28
80	3057	*	3250	2649	1021	1017	20	29
61	2876	*	2815	2981	1021	1013	28	30
45	3017	*	3005	2832	1025	1013	28	31
41	3062	*	3040	2584	1007	1023	14	34
80	2871	*	2735	2981	1011	1009	28	28
80	2876	*	3000	3006	1021	1023	22	30
66	2926	*	3015	2683	1017	1013	20	28
31	2936	*	2805	2981	1021	1011	40	34
45	3062	*	2950	2808	1015	1009	32	31
41	3017	*	2615	2996	1007	1019	26	31
41	2966	*	2685	3205	1017	1013	36	29
00	3022	*	2900	2907	1017	1015	22	32
66	3012	*	2655	2887	1017	1013	28	31
85	3006	*	2900	2991	1015	1009	30	31
80	3012	*	3010	2708	1025	1013	36	31
35	3062	*	3140	2634	1013	1009	36	28
39	3052	*	3100	2658	1013	1009	30	31
00	3052	*	3000	2892	1015	1027	26	31
41	3012	*	2770	2837	1017	1013	28	30
25	3062	*	3200	2758	1017	1013	28	31
39	3062	*	3055	2738	1013	1007	28	30
10	3012	1	2960	2917	1015	1027	30	32
20	2971	1	3000	3031	1021	1021	20	29
20	2911	1	2870	2932	1025	1021	36	32
39	2891	2	2940	2962	2	*	26	30
84	2821	4	2880	2952	6	0	32	31
23	2761	5	2865	2981	8	0	30	30
82	1872	7	2560	2569	0	*	10	6
09	672	10	750	760	8	0	6	10
*	*	*	*	*	*	*	*	*

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31 JULY 1970
RUN NO. 28 +0 DEG F

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
181	15	26	5	*
182	15	46	3136	1300
183	16	5	3131	1372
184	16	25	3151	1384
185	16	45	3085	1320
186	17	5	2999	1400
187	17	25	3085	1398
188	17	44	3131	1406
189	18	4	3045	1400
190	18	24	3019	1406
191	18	44	3045	1400
192	19	3	3019	1402
193	19	23	3045	1404
194	19	43	3131	1404
195	20	3	3050	1404
196	20	23	3024	1400
197	20	42	3045	1412
198	21	2	3035	1408
199	21	22	3080	1416
200	21	42	3090	1406
201	22	2	3040	1412
202	22	21	3009	1412
203	22	41	3030	1408
204	23	1	3035	1402
205	23	21	2964	1408
206	23	40	2999	1414
207	24	0	3131	1412
208	24	20	3019	1406
209	24	40	3004	1414
210	25	0	3035	1416
211	25	19	3040	1406
212	25	39	3050	1412
213	25	59	3055	1416
214	26	19	3131	1400
215	26	38	3131	1404
216	26	58	3040	1402
217	27	18	2999	1412
218	27	38	3080	1408
219	27	58	3040	1406
220	28	17	3131	1420
221	28	37	3004	1406
222	28	57	3080	1412
223	29	17	3090	1414
224	29	36	3060	1412

-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
226	30	16	2964	1416
227	30	36	3136	1406
228	30	56	3040	1400
229	31	15	2999	1412
230	31	35	3136	1414
231	31	55	3019	1412
232	32	15	3019	1412
233	32	34	2979	1414
234	32	54	3085	1406
235	33	14	3040	1416
236	33	34	3035	1416
237	33	54	2999	1406
238	34	13	3030	1420
239	34	33	2939	1414
240	34	53	2913	1400
241	35	13	3004	1416
242	35	32	3055	1406
243	35	52	3060	1412
244	36	12	3050	1420
245	36	32	3080	1374
246	36	52	3045	1414
247	37	11	3040	1414
248	37	31	3080	1406
249	37	51	3125	1416
250	38	11	3045	1402
251	38	31	3035	1410
252	38	50	3040	1420
253	39	10	3019	1406
254	39	30	3035	1414
255	39	50	3050	1420
256	40	9	3232	1416
257	40	29	3040	1406
258	40	49	3131	1416
259	41	9	3085	1414
260	41	29	3045	1420
261	41	48	3080	1408
262	42	8	3080	1400
263	42	28	2999	1414
264	42	48	3131	1402
265	43	8	3060	1420
266	43	27	2984	1420
267	43	47	3060	1410
268	44	7	3045	1406
269	44	27	2999	1406
270	44	46	3141	1406
271	45	6	3055	1406
272	45	26	3070	1414
273	45	46	3035	1416
274	46	6	3045	1414
275	46	25	3019	1406

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-01 SWEEP COUNT	2-02 TIME MIN.	2-03 TIME SEC.	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
276	46	45	3131	1406
277	47	5	3070	1406
278	47	25	3045	1416
279	47	44	2949	1414
280	48	4	3045	1414
281	48	24	3060	1414
282	48	44	3125	1414
283	49	3	2964	1404
284	49	23	3090	1402
285	49	43	3019	1408
286	50	3	2964	1406
287	50	22	3075	1416
288	50	42	3060	1406
289	51	2	3085	1416
290	51	22	3090	1414
291	51	41	2984	1416
292	52	1	3131	1414
293	52	21	3030	1406
294	52	41	2954	1406
295	53	0	3090	1410
296	53	20	3075	1414
297	53	40	3019	1420
298	54	0	3035	1412
299	54	19	3125	1414
300	54	39	3065	1420
301	54	59	3004	1412
302	55	19	3040	1424
303	55	38	3004	1420
304	55	58	3019	1420
305	56	18	3045	1414
306	56	38	3045	1418
307	56	57	1201	1050
308	57	17	333	254
309	*	*	*	*

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RUN NO. 28 +0 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
181	15	28	15	9	6	6	6
182	15	48	15	10	6	6	6
183	16	8	14	11	6	5	5
184	16	28	15	9	7	5	6
185	16	47	-7	28	27	26	5
186	17	7	-14	62	63	57	11
187	17	27	-13	74	72	66	15
188	17	47	-11	99	97	91	21
189	18	6	-12	117	117	109	28
190	18	26	-10	133	130	122	35
191	18	46	-10	140	139	130	41
192	19	6	-10	146	144	136	43
193	19	26	-10	149	147	139	49
194	19	45	-8	152	151	140	53
195	20	5	-8	154	152	142	52
196	20	25	-12	138	138	125	55
197	20	45	-9	89	88	79	50
198	21	5	-11	88	85	79	45
199	21	24	-11	77	73	69	43
200	21	44	-14	84	81	75	42
201	22	4	-14	78	77	70	42
202	22	24	-12	71	68	63	40
203	22	43	-11	75	73	67	41
204	23	3	-12	53	50	45	38
205	23	23	-13	72	71	66	37
206	23	43	-14	69	66	62	39
207	24	3	-16	59	56	52	34
208	24	22	-12	76	74	68	38
209	24	42	-14	52	53	47	36
210	25	2	-16	50	51	48	33
211	25	22	-14	71	70	65	33
212	25	41	-13	49	49	44	34
213	26	1	-16	67	65	61	32
214	26	21	-15	56	61	54	34
215	26	41	-16	50	60	55	31
216	27	1	-12	74	81	74	33
217	27	20	-11	48	58	52	34
218	27	40	-12	45	58	51	32
219	28	0	-10	71	76	67	33
220	28	20	-12	42	51	44	33
221	28	40	-12	30	41	37	28
222	28	59	-11	64	69	64	31
223	29	19	-11	50	57	50	32
224	29	39	-11	48	53	48	29
225	29	59	-8	64	69	62	33

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CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

-06 TER NUM BER TEMP OUT G.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
9	6	6	6	5	0	1	5	0
10	6	6	6	6	1	1	5	1
11	6	5	5	6	1	0	5	0
9	7	5	6	6	1	1	4	0
28	27	26	5	22	1	0	5	2
62	63	57	11	35	4	4	5	8
74	72	66	15	43	9	8	8	12
99	97	91	21	55	14	15	9	17
17	117	109	28	65	22	22	14	23
33	130	122	35	74	28	28	16	28
40	139	130	41	78	33	33	21	32
46	144	136	43	82	39	38	24	35
49	147	139	49	86	43	40	25	37
52	151	140	53	89	46	44	30	40
54	152	142	52	90	48	46	33	42
38	138	125	55	79	49	48	34	44
89	88	79	50	56	47	44	33	42
88	85	79	45	64	41	39	28	38
77	73	69	43	53	38	36	29	36
84	81	75	42	62	36	34	28	35
78	77	70	42	52	35	35	29	34
71	68	63	40	54	33	32	30	33
75	73	67	41	51	33	31	30	33
53	50	45	38	43	31	30	27	32
72	71	66	37	56	29	28	29	31
69	66	62	39	47	31	29	28	33
59	56	52	34	48	28	28	25	30
76	74	68	38	53	29	29	26	32
52	53	47	36	39	28	28	27	32
50	51	48	33	47	26	26	25	29
71	70	65	33	51	28	27	25	31
49	49	44	34	40	27	27	28	30
67	65	61	32	54	25	26	27	31
56	61	54	34	43	28	27	27	31
50	60	55	31	48	27	27	28	31
74	81	74	33	55	28	29	28	30
48	58	52	34	40	28	29	26	31
45	58	51	32	48	28	26	25	31
71	76	67	33	51	29	28	28	30
42	51	44	33	39	28	28	28	30
30	41	37	28	41	26	25	27	29
64	69	64	31	54	26	25	28	30
50	57	50	32	41	27	27	25	30
48	53	48	29	45	26	25	27	30
64	69	62	33	48	28	27	28	29

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
226	30	18	-8	38	45	39	31
227	30	38	-8	45	49	47	29
228	30	58	-8	64	67	59	31
229	31	18	-11	40	42	38	30
230	31	38	-7	56	58	53	28
231	31	57	-10	49	53	47	29
232	32	17	-8	31	34	31	28
233	32	37	-9	59	62	58	28
234	32	57	-8	58	62	56	31
235	33	16	-8	31	38	34	29
236	33	36	-10	55	59	55	29
237	33	56	-9	50	56	50	29
238	34	16	-10	23	33	28	27
239	34	35	-8	46	52	48	27
240	34	55	-8	65	68	61	29
241	35	15	-9	37	45	38	29
242	35	35	-9	18	25	23	25
243	35	55	-10	52	55	51	26
244	36	14	-7	48	52	46	27
245	36	34	-8	33	43	39	26
246	36	54	-8	62	66	59	29
247	37	14	-7	45	48	43	29
248	37	34	-7	38	43	39	28
249	37	53	-6	43	46	43	28
250	38	13	-7	22	27	25	26
251	38	33	-7	36	46	42	25
252	38	53	-6	67	73	69	29
253	39	13	-6	42	55	49	31
254	39	32	-6	17	29	26	27
255	39	52	-6	23	35	32	24
256	40	12	-7	53	62	55	26
257	40	32	-6	38	44	39	27
258	40	51	-8	19	23	21	24
259	41	11	-8	43	46	42	23
260	41	31	-5	62	61	56	27
261	41	51	-5	40	40	36	27
262	42	11	-6	23	26	23	24
263	42	30	-6	55	56	51	25
264	42	50	-6	52	51	47	28
265	43	10	-8	29	30	27	25
266	43	30	-7	39	41	38	25
267	43	50	-8	59	58	54	27
268	44	9	-6	39	40	35	28
269	44	29	-6	27	27	25	24
270	44	49	-8	60	57	53	25
271	45	9	-6	48	49	44	27
272	45	28	-6	27	28	25	26
273	45	48	-6	30	37	35	23
274	46	8	-6	59	58	52	27
275	46	28	-6	39	39	35	

-06 ATER ENUM MBER TEMP OUT EG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
38	45	39	31	36	28	26	26	30
45	49	47	29	45	25	25	27	29
64	67	59	31	47	27	26	24	29
40	42	38	30	33	26	26	25	30
56	58	53	28	48	25	24	25	30
49	53	47	29	39	25	26	26	29
31	34	31	28	35	24	23	25	28
59	62	58	28	51	25	24	25	28
58	62	56	31	41	27	27	28	29
31	38	34	29	34	25	24	27	29
55	59	55	29	48	25	24	25	28
50	56	50	29	41	26	26	24	29
23	33	28	27	32	25	24	23	29
46	52	48	27	45	24	22	26	27
65	68	61	29	46	25	26	24	29
37	45	38	29	34	25	26	24	29
18	25	23	25	29	23	23	25	28
52	55	51	26	45	24	22	23	27
48	52	46	27	37	25	24	26	27
33	43	39	26	38	23	23	27	27
62	66	59	29	47	25	24	24	28
45	48	43	29	36	24	25	25	30
38	43	39	28	39	23	24	26	28
43	46	43	28	35	24	25	24	28
22	27	25	26	27	23	23	25	27
36	46	42	25	42	22	22	23	27
67	73	69	29	51	23	25	27	29
42	55	49	31	39	27	26	27	29
17	29	26	27	27	25	24	26	28
23	35	32	24	36	22	21	23	26
53	62	55	26	44	23	23	24	27
38	44	39	27	32	23	23	25	28
19	23	21	24	24	23	21	23	26
43	46	42	23	41	21	20	24	26
62	61	56	27	42	24	23	25	28
40	40	36	27	31	24	24	22	28
23	26	23	24	28	22	21	22	26
55	56	51	25	45	22	21	25	27
52	51	47	28	36	23	23	23	28
29	30	27	25	26	24	22	25	27
39	41	38	25	40	22	21	23	27
59	58	54	27	40	24	22	25	28
39	40	35	28	30	24	23	21	27
27	27	25	24	29	22	21	24	27
60	57	53	25	43	22	21	22	27
48	49	44	27	33	24	23	22	27
27	28	25	26	26	23	22	22	26
38	37	35	23	38	21	21	24	25
59	58	52	27	41	23	22	22	28
39	39	35		31	22	23	24	27

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER TEMP IN DEG.C	3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C
276	46	47	-6	29	29	28	24
277	47	7	-4	58	57	52	26
278	47	27	-4	44	44	39	26
279	47	47	-8	27	27	23	25
280	48	6	-5	49	50	46	24
281	48	26	-4	43	45	39	25
282	48	46	-4	26	26	23	23
283	49	6	-4	43	42	39	22
284	49	26	-6	61	59	55	27
285	49	45	-6	40	40	36	26
286	50	5	-5	24	25	23	23
287	50	25	-4	54	54	49	25
288	50	44	-4	48	48	44	26
289	51	4	-4	28	29	25	25
290	51	24	-6	38	37	36	22
291	51	44	-5	52	52	48	27
292	52	3	-5	35	36	31	25
293	52	23	-5	31	30	27	23
294	52	43	-5	60	59	54	26
295	53	3	-5	46	45	41	26
296	53	22	-3	27	26	24	23
297	53	42	-6	36	36	34	22
298	54	2	-5	61	61	56	27
299	54	22	-5	45	43	39	27
300	54	41	-3	25	25	23	24
301	55	1	-5	22	21	19	22
302	55	21	-3	22	21	20	22
303	55	41	-6	23	22	19	22
304	56	0	1	22	22	21	22
305	56	20	2	22	22	21	23
306	56	40	4	23	23	21	22
307	57	0	5	23	23	21	22
308	57	19	7	24	23	22	22
309	*	*	*	*	*	*	*

3-06 EATER ENUM MBER TEMP OUT DEG.C	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C	3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C	3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C
29	29	28	24	30	22	21	20	25
58	57	52	26	42	22	21	22	26
44	44	39	26	31	23	23	24	27
27	27	23	25	27	22	21	22	26
49	50	46	24	41	21	20	24	25
43	45	39	25	33	24	22	25	27
26	26	23	23	24	23	21	24	26
43	42	39	22	38	25	19	25	25
61	59	55	27	40	29	23	22	27
40	40	36	26	31	27	23	25	27
24	25	23	23	26	21	22	25	26
54	54	49	25	41	28	22	22	24
48	48	44	26	33	28	23	25	27
28	29	25	25	26	23	23	25	27
38	37	36	22	36	24	21	23	25
52	52	48	27	38	29	22	24	27
35	36	31	25	28	25	23	24	26
31	30	27	23	32	23	20	22	24
60	59	54	26	42	29	22	24	25
46	45	41	26	31	28	23	23	27
27	26	24	23	23	23	22	25	26
36	36	34	22	35	25	20	22	24
61	61	56	27	41	29	23	23	27
45	43	39	27	31	27	23	23	27
25	25	23	24	24	22	21	25	25
22	21	19	22	25	19	20	23	24
22	21	20	22	25	21	19	21	22
23	22	19	22	25	19	19	20	21
22	22	21	22	25	18	19	22	21
22	22	21	23	25	18	19	22	20
22	23	21	22	25	19	18	21	20
23	23	21	22	24	19	18	20	20
24	23	22	22	24	18	18	21	19
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3 CO- FL M T DE
181	15	28	1	1	5	0	0	
182	15	48	2	3	3	1	0	
183	16	8	0	1	4	0	-0	
184	16	28	2	0	4	1	-0	
185	16	47	3	2	4	3	0	
186	17	7	7	1	6	6	4	
187	17	27	7	4	8	10	8	
188	17	47	10	2	11	12	11	
189	18	6	14	4	14	18	15	
190	18	26	15	4	18	22	19	
191	18	46	16	9	21	24	25	
192	19	6	18	10	26	29	27	
193	19	26	19	8	29	31	29	
194	19	45	22	12	30	34	33	
195	20	5	23	15	33	36	34	
196	20	25	24	14	35	39	36	
197	20	45	21	15	36	35	36	
198	21	5	21	15	34	35	33	
199	21	24	19	14	33	35	31	
200	21	44	21	15	31	33	31	
201	22	4	22	16	29	34	30	
202	22	24	21	18	29	31	29	
203	22	43	22	18	29	33	30	
204	23	3	20	17	29	31	29	
205	23	23	21	19	27	31	29	
206	23	43	22	19	28	32	29	
207	24	3	23	17	27	29	28	
208	24	22	23	19	27	32	28	
209	24	42	22	22	28	32	29	
210	25	2	21	18	25	30	26	
211	25	22	23	21	27	29	29	
212	25	41	22	18	26	30	27	
213	26	1	22	20	26	30	28	
214	26	21	22	22	27	31	26	
215	26	41	21	19	25	28	29	
216	27	1	23	20	27	29	29	
217	27	20	24	21	27	30	31	
218	27	40	21	18	26	31	29	
219	28	0	23	18	27	30	30	
220	28	20	22	22	27	30	30	
221	28	40	22	19	26	30	27	
222	28	59	22	22	26	29	28	
223	29	19	22	25	25	30	29	
			22	21	24	31		

HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

-16 OTS COR SS AIR EMP S.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
1	5	0	0	0	4	-3	-6	-6
3	3	1	0	3	4	-3	-7	-7
1	4	0	-0	1	3	-2	-7	-6
0	4	1	-0	0	4	-2	-6	-8
2	4	3	0	2	6	2	-5	-5
1	6	6	4	2	14	14	-4	-6
4	8	10	8	3	18	14	-1	-6
2	11	12	11	3	31	22	-1	-5
4	14	16	15	6	40	15	0	-6
4	16	22	19	8	48	24	0	-6
4	21	24	25	7	52	36	0	-8
0	26	29	27	9	58	44	0	-6
3	29	31	29	10	*	31	1	-5
2	30	34	33	12	*	36	1	-6
1	33	36	34	14	*	59	2	-7
2	35	39	36	16	*	42	2	-6
0	36	36	36	14	58	36	2	-4
1	34	35	33	15	50	44	5	-4
1	33	35	31	18	46	45	6	-4
1	31	33	31	18	44	38	8	-3
15	29	34	30	18	44	38	8	-4
18	29	31	29	17	41	22	8	-4
18	29	33	30	20	39	36	8	-3
17	29	31	29	20	35	31	9	-2
19	27	31	29	19	38	33	9	-1
19	28	32	29	17	38	31	11	-2
17	27	29	28	18	37	36	10	-0
19	27	32	28	19	38	44	11	-3
22	28	32	29	18	33	44	11	-2
18	25	30	26	19	33	24	10	-0
21	27	29	29	18	36	27	11	-0
18	26	30	27	19	33	36	11	-3
20	26	30	28	18	33	20	12	-1
22	27	31	28	21	35	44	11	0
19	25	28	29	22	39	18	12	0
20	27	29	29	18	39	36	11	0
21	27	30	31	18	35	47	11	0
18	26	31	29	21	32	36	11	0
18	27	30	30	21	36	35	11	0
22	27	30	30	22	36	36	12	0
19	26	30	27	21	27	36	12	0
22	26	29	28	22	36	29	12	0
25	25	30	29	23	32	36	11	0
21	24	31	(	21	31	36	13	1
19	28	29	)	22	36	36	13	2

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
226	30	18	23	24	27	29	29
227	30	38	22	22	25	29	28
228	30	58	23	22	25	31	28
229	31	18	23	21	25	30	28
230	31	38	24	22	24	29	27
231	31	57	24	24	26	29	25
232	32	17	22	19	23	28	26
233	32	37	24	23	25	29	27
234	32	57	23	22	25	29	29
235	33	16	23	25	26	29	28
236	33	36	24	22	24	30	27
237	33	56	23	25	24	30	27
238	34	16	23	23	24	29	28
239	34	35	22	25	24	27	27
240	34	55	23	25	25	28	29
241	35	15	24	25	26	29	29
242	35	35	23	22	24	27	27
243	35	55	22	22	23	29	27
244	36	14	24	23	23	29	27
245	36	34	22	22	23	27	27
246	36	54	24	24	24	29	28
247	37	14	24	22	24	29	31
248	37	34	25	23	24	28	28
249	37	53	22	22	22	28	27
250	38	13	23	25	25	28	27
251	38	33	23	21	21	25	25
252	38	53	23	25	23	27	27
253	39	13	24	24	24	29	31
254	39	32	24	23	22	29	27
255	39	52	23	21	22	27	27
256	40	12	23	24	23	29	26
257	40	32	24	22	22	27	27
258	40	51	22	22	21	27	26
259	41	11	23	22	22	25	27
260	41	31	23	23	22	26	26
261	41	51	24	22	21	28	27
262	42	11	23	25	22	25	27
263	42	30	22	22	21	25	26
264	42	50	24	22	21	29	27
265	43	10	24	22	21	28	28
266	43	30	24	24	22	26	25
267	43	50	25	22	22	28	27
268	44	9	24	23	22	28	28
269	44	29	23	22	22	27	25
270	44	49	23	21	21	28	27
271	45	9	24	22	22	26	28
272	45	28	23	22	22	28	28
273	45	48	23	24	21	25	27
274	46	8	25	23	21	26	25

3-16 FLOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
24	27	29	29	23	34	36	12	2
22	25	29	28	22	32	31	12	0
22	25	31	28	22	36	20	13	1
21	25	30	28	19	29	36	11	0
22	24	29	27	23	32	15	12	0
24	26	29	25	22	30	36	12	0
19	23	28	26	22	28	24	11	1
23	25	29	27	21	33	33	11	1
22	25	29	29	25	32	36	13	1
25	26	29	28	22	29	28	12	1
22	24	30	27	22	32	31	12	0
25	24	30	27	22	32	15	12	0
23	24	29	28	23	29	31	14	2
25	24	27	27	25	26	36	13	2
25	25	28	29	23	33	39	12	1
25	26	29	29	22	32	36	12	1
22	24	27	27	22	22	36	12	1
22	23	29	27	22	27	22	13	2
23	23	29	27	24	28	35	13	1
22	23	27	27	23	25	22	12	1
24	24	29	28	23	30	40	12	3
22	24	29	31	23	29	39	13	4
23	24	28	28	23	28	12	13	2
22	22	28	27	24	31	15	12	2
25	25	28	27	22	26	41	13	4
21	21	25	25	25	28	21	13	3
25	23	27	27	23	36	15	13	2
24	24	29	31	22	31	36	14	3
23	22	29	27	24	22	31	12	2
21	22	27	27	22	25	9	12	3
24	23	29	26	23	29	17	12	3
22	22	27	27	22	30	29	14	3
22	21	27	26	23	22	17	12	2
22	22	25	27	23	23	36	12	5
23	22	26	26	23	30	16	14	3
22	21	28	27	23	30	31	12	3
25	22	25	27	23	24	9	12	4
22	21	25	26	22	25	36	13	2
22	21	29	27	23	29	16	12	3
22	21	28	28	25	25	16	13	4
24	22	26	25	22	24	36	12	3
22	22	28	27	22	31	14	14	4
23	22	28	28	25	29	31	13	3
22	22	27	25	22	24	29	14	5
21	21	28	27	23	31	16	14	3
22	22	26	28	23	28	24	14	5
22	22	28	28	23	26	31	14	5
24	21	25	27	23	22	29	14	4
23	21	26	25	25	31	13	14	5
22	22	26	26	23	25	29	13	4

2

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C	3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C
276	46	47	22	23	20	25	25
277	47	7	24	22	19	27	25
278	47	27	24	22	22	27	24
279	47	47	24	22	20	25	26
280	48	6	22	22	22	25	23
281	48	26	24	23	24	26	27
282	48	46	22	22	22	25	27
283	49	6	22	21	21	25	25
284	49	26	22	22	21	28	26
285	49	45	24	23	24	27	27
286	50	5	22	23	22	24	24
287	50	25	22	22	20	27	27
288	50	44	23	22	23	27	27
289	51	4	23	25	22	27	25
290	51	24	21	21	20	24	25
291	51	44	25	22	22	25	26
292	52	3	24	25	22	24	25
293	52	23	22	22	21	25	25
294	52	43	22	25	21	26	26
295	53	3	21	20	21	27	24
296	53	22	22	21	21	24	25
297	53	42	23	21	22	25	27
298	54	2	24	23	21	26	26
299	54	22	23	21	21	28	27
300	54	41	22	21	21	25	25
301	55	1	22	23	21	24	25
302	55	21	20	19	20	23	23
303	55	41	20	21	19	23	22
304	56	0	20	20	19	21	21
305	56	20	20	22	18	21	22
306	56	40	20	21	18	22	21
307	57	0	19	19	19	21	19
308	57	19	20	21	18	21	18
309	*	*	*	*	*	*	*

3-16 PILOTS FLOOR MASS AIR TEMP DEG.C	3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C	3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C	3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C	3-20 CO-PLT FLOOR MASS TEMP DEG.C	3-21 CARGO AREA FWD HEAD LEVEL DEG.C	3-22 CARGO AREA FWD WAIST LEVEL DEG.C	3-23 CARGO AREA FWD FOOT LEVEL DEG.C	3-24 CARGO AREA FWD FLOOR MASS DEG.C
23	20	25	25	24	25	24	13	4
22	19	27	25	23	29	31	13	5
22	22	27	24	23	29	33	13	4
22	20	25	26	23	22	31	13	6
22	22	25	23	24	28	16	14	4
23	24	26	27	22	26	15	14	5
22	22	25	27	22	22	29	14	5
21	21	25	25	22	24	15	14	6
22	21	28	26	23	32	31	14	4
23	24	27	27	25	29	9	14	6
23	22	24	24	22	22	31	14	6
22	20	27	27	23	30	31	13	4
22	23	27	27	25	27	29	15	6
25	22	27	25	23	24	24	14	6
21	20	24	25	22	23	36	14	6
22	22	25	26	23	27	37	14	6
25	22	24	25	22	25	31	14	8
22	21	25	25	23	25	30	14	6
25	21	26	26	23	31	29	14	6
20	21	27	24	22	29	33	15	5
21	21	24	25	22	22	36	15	6
21	22	25	27	23	22	24	14	4
23	21	26	26	23	29	36	15	6
21	21	28	27	22	29	14	14	5
21	21	25	25	22	24	12	14	6
23	21	24	25	22	21	21	14	6
19	20	23	23	22	20	20	12	4
21	19	23	22	22	21	18	11	6
20	19	21	21	21	20	17	10	5
22	18	21	22	22	21	16	9	5
21	18	22	21	21	21	15	8	7
19	19	21	19	21	20	14	8	4
21	18	21	18	22	20	13	6	4
*	*	*	*	*	*	*	*	*

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31 JULY 1970
RUN NO. 28 +0 DEG F

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
181	15	28	0	-3	-7	-7
182	15	48	0	-2	-7	-8
183	16	8	0	-3	-8	-8
184	16	28	0	-2	-7	-6
185	16	47	0	0	-6	-7
186	17	7	2	4	-4	-8
187	17	27	6	8	-2	-6
188	17	47	11	14	-1	-6
189	18	6	19	20	-0	-8
190	18	26	25	26	0	-7
191	18	46	29	31	1	-6
192	19	6	35	36	1	-7
193	19	26	39	39	1	-6
194	19	45	42	42	2	-7
195	20	5	45	45	2	-7
196	20	25	46	46	4	-7
197	20	45	44	42	4	-6
198	21	5	40	39	6	-5
199	21	24	37	36	6	-5
200	21	44	35	35	7	-5
201	22	4	34	34	6	-5
202	22	24	32	32	6	-4
203	22	43	31	31	7	-4
204	23	3	31	30	8	-4
205	23	23	29	29	8	-5
206	23	43	29	29	8	-4
207	24	3	28	28	9	-2
208	24	22	28	29	9	-3
209	24	42	28	28	9	-3
210	25	2	27	27	9	-2
211	25	22	26	27	8	-3
212	25	41	26	25	9	-2
213	26	1	26	25	9	-3
214	26	21	27	26	9	-3
215	26	41	26	25	9	0
216	27	1	27	27	9	-1
217	27	20	27	27	9	-1
218	27	40	27	27	9	-3
219	28	0	28	27	9	-2
220	28	20	27	27	9	-1
221	28	40	25	24	10	-2
222	28	59	24	25	11	-1
223	29	19	25	26	11	-0

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
226	30	18	26	26	11	0
227	30	38	24	25	11	0
228	30	58	25	25	10	0
229	31	18	24	25	11	0
230	31	38	24	24	11	0
231	31	57	24	24	11	0
232	32	17	23	23	11	0
233	32	37	23	22	11	0
234	32	57	25	25	11	-1
235	33	16	24	24	12	-1
236	33	36	22	23	12	1
237	33	56	24	25	11	1
238	34	16	24	23	11	0
239	34	35	22	22	12	-1
240	34	55	23	23	14	0
241	35	15	24	24	12	0
242	35	35	23	22	13	0
243	35	55	21	22	13	1
244	36	14	22	23	12	0
245	36	34	22	22	11	0
246	36	54	23	23	12	0
247	37	14	23	23	11	0
248	37	34	24	23	12	0
249	37	53	23	23	11	0
250	38	13	22	22	11	0
251	38	33	20	21	11	0
252	38	53	22	23	11	0
253	39	13	24	25	11	0
254	39	32	24	24	11	0
255	39	52	22	21	13	0
256	40	12	22	22	12	0
257	40	32	22	22	14	1
258	40	51	21	21	13	0
259	41	11	20	20	12	0
260	41	31	22	22	13	1
261	41	51	22	22	12	0
262	42	11	21	20	12	0
263	42	30	20	21	12	0
264	42	50	21	22	13	1
265	43	10	21	21	12	0
266	43	30	20	21	13	1
267	43	50	20	22	14	1
268	44	9	22	22	13	1
269	44	29	21	20	13	1
270	44	49	20	20	13	1
271	45	9	21	21	12	0
272	45	28	21	21	12	0
273	45	48	19	19	13	2
274	46	8	20	21	12	1

-01 SWEEP COUNT	3-02 TIME MIN.	3-03 TIME SEC.	3-25 CARGO AREA AFT HEAD LEVEL DEG.C	3-26 CARGO AREA AFT WAIST LEVEL DEG.C	3-27 CARGO AREA AFT FOOT LEVEL DEG.C	3-28 CARGO AREA AFT FLOOR MASS DEG.C
276	46	47	21	19	12	0
277	47	7	19	21	12	0
278	47	27	21	22	12	0
279	47	47	21	20	12	0
280	48	6	20	19	13	1
281	48	26	22	22	13	2
282	48	46	21	21	14	1
283	49	6	21	21	15	1
284	49	26	23	23	17	1
285	49	45	24	23	17	0
286	50	5	22	22	18	0
287	50	25	22	22	18	2
288	50	44	24	24	18	0
289	51	4	24	23	19	1
290	51	24	22	22	18	1
291	51	44	24	23	18	0
292	52	3	23	23	18	1
293	52	23	22	21	18	1
294	52	43	22	22	18	1
295	53	3	24	24	18	0
296	53	22	23	22	19	2
297	53	42	21	21	18	0
298	54	2	22	23	18	1
299	54	22	24	24	19	0
300	54	41	23	22	18	0
301	55	1	21	20	17	1
302	55	21	20	18	14	2
303	55	41	18	17	11	1
304	56	0	17	15	11	2
305	56	20	17	14	8	2
306	56	40	16	14	7	2
307	57	0	15	12	7	2
308	57	19	15	12	6	2
309	*	*	*	*	*	*

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RUN NO. 28 +0 DEG F

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C
181	15	31	0	3	1	3	-8
182	15	51	1	8	0	4	-7
183	16	10	0	2	0	7	-7
184	16	30	0	3	0	2	-8
185	16	50	1	4	1	3	-7
186	17	10	3	5	1	7	-7
187	17	29	5	8	1	8	-8
188	17	49	7	11	1	11	-8
189	18	9	8	15	1	15	-7
190	18	29	11	16	4	19	-7
191	18	49	11	18	4	22	-10
192	19	8	14	21	5	24	-8
193	19	28	16	23	4	26	-8
194	19	48	17	24	6	29	-7
195	20	8	18	27	3	31	-6
196	20	28	19	27	7	32	-6
197	20	47	20	28	7	29	-7
198	21	7	18	27	5	30	-7
199	21	27	18	28	6	28	-7
200	21	47	18	26	7	29	-7
201	22	6	18	26	7	29	-8
202	22	26	18	25	6	27	-6
203	22	46	18	28	7	29	-6
204	23	6	18	26	10	26	-5
205	23	26	18	27	7	26	-4
206	23	45	18	28	7	26	-3
207	24	5	18	26	8	26	-1
208	24	25	18	26	11	25	3
209	24	45	18	26	11	25	3
210	25	4	18	27	11	25	5
211	25	24	19	26	11	21	6
212	25	44	19	27	9	24	6
213	26	4	17	23	9	26	8
214	26	24	18	26	11	27	8
215	26	43	20	21	12	26	9
216	27	3	18	27	11	27	11
217	27	23	15	29	12	31	12
218	27	43	19	28	12	25	13
219	28	2	18	27	12	28	15
220	28	22	19	31	14	25	14
221	28	42	19	24	11	24	15
222	29	2	19	27	14	26	17
223	29	22	20	26	12	26	19

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4-06 O-PLT HDSHD NSIDE PPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
3	1	3	-8	-7	-8	23	0	5
8	0	4	-7	-8	-6	18	2	4
2	0	7	-7	-8	-7	12	20	3
3	0	2	-8	-7	-6	15	22	2
4	1	3	-7	-7	-6	22	25	7
5	1	7	-7	-8	-6	23	28	10
8	1	8	-8	-7	-8	22	29	12
11	1	11	-8	-7	-8	23	33	13
15	1	15	-7	-8	-6	27	34	18
16	4	19	-7	-8	-6	26	36	18
18	4	22	-10	-7	-7	30	35	21
21	5	24	-8	-7	-7	31	37	24
23	4	26	-8	-6	-8	30	38	26
24	6	29	-7	-7	-5	30	40	27
27	3	31	-6	-8	-6	34	42	28
27	7	32	-6	-8	-5	33	42	29
28	7	29	-7	-6	-8	35	44	34
27	5	30	-7	-6	-7	37	44	35
28	6	28	-7	-7	-6	37	45	36
26	7	29	-7	-5	-4	38	44	39
26	7	29	-8	-6	-4	38	44	39
25	6	27	-6	-7	-5	39	46	40
28	7	29	-6	-5	-6	39	46	42
26	10	26	-5	-4	-5	40	49	44
27	7	26	-4	-2	-3	40	48	44
28	7	26	-3	2	-6	41	48	45
26	8	26	-1	4	-4	41	48	45
26	11	25	3	6	-5	43	51	45
26	11	25	3	7	-7	42	49	46
27	11	25	5	11	-7	41	48	46
26	11	21	6	12	-4	39	45	46
27	9	24	6	17	-6	41	46	47
23	9	26	8	19	-7	38	44	45
26	11	27	8	21	-7	37	43	45
21	12	26	9	23	-9	38	42	43
27	11	27	11	24	-8	39	41	44
29	12	31	12	25	-10	38	39	43
28	12	25	13	25	-8	36	40	41
27	12	28	15	26	-9	37	42	44
31	14	25	14	29	-8	38	41	42
24	11	24	15	29	-10	38	39	42
27	14	26	17	28	-7	38	41	41
26	12	26	19	30	-8	37	40	41
23	14	19	[illegible]	31	-8	38	41	42
27	17	28	[illegible]	31	-8	38	42	40

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4 1ST P OUT H T DE
226	30	21	20	25	16	22	19	
227	30	41	19	24	15	24	21	
228	31	0	19	27	19	21	21	
229	31	20	19	27	17	25	22	
230	31	40	21	26	15	27	22	
231	32	0	18	26	18	26	22	
232	32	20	20	29	19	29	24	
233	32	39	19	27	19	27	23	
234	32	59	18	26	19	27	25	
235	33	19	19	28	20	26	25	
236	33	39	20	26	18	27	24	
237	33	58	21	26	19	27	25	
238	34	18	21	23	19	28	25	
239	34	38	22	32	20	30	25	
240	34	58	20	25	21	27	26	
241	35	18	18	25	22	28	24	
242	35	37	19	25	22	24	24	
243	35	57	19	28	21	26	24	
244	36	17	21	26	21	25	25	
245	36	37	19	25	22	23	25	
246	36	55	18	29	23	31	24	
247	37	16	20	28	24	25	25	
248	37	36	21	26	20	31	25	
249	37	56	18	27	23	28	25	
250	38	16	18	26	19	25	25	
251	38	35	19	28	20	24	24	
252	38	55	19	27	24	28	25	
253	39	15	17	24	21	29	25	
254	39	35	20	29	22	25	26	
255	39	55	20	26	21	29	24	
256	40	14	22	31	24	26	24	
257	40	34	20	27	23	27	26	
258	40	54	21	23	24	25	25	
259	41	14	23	29	25	19	26	
260	41	33	22	27	25	27	25	
261	41	53	22	28	23	26	27	
262	42	13	20	28	22	24	27	
263	42	33	22	25	22	26	28	
264	42	53	21	27	24	25	28	
265	43	12	21	27	26	25	28	
266	43	32	22	28	25	26	29	
267	43	52	19	26	26	25	30	
268	44	12	21	28	25	26	30	
269	44	32	19	25	25	24	31	
270	44	51	21	23	21	26	31	
271	45	11	20	23	22	25	29	
272	45	31	20	24	24	25	32	
273	45	51	17	23	25	25	30	
[illegible]	46	10	19	24	23	25	31	

4-06 -PLT DSHD SIDE PPER R H EG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C	4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C	4-12 2STAGE PUMP INLET HYD. TEMP DEG.C	4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C	4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C
25	16	22	19	32	-8	38	42	41
24	15	24	21	33	-9	39	42	43
27	19	21	21	32	-7	38	40	42
27	17	25	22	33	-6	39	42	40
26	15	27	22	33	-6	40	43	41
26	18	26	22	34	-7	41	43	42
29	19	29	24	36	-6	40	45	41
27	19	27	23	35	-8	41	44	43
26	19	27	25	36	-7	41	44	41
28	20	26	25	37	-4	41	44	41
26	18	27	24	36	-6	42	43	43
26	19	27	25	37	-7	42	44	42
23	19	28	25	38	-4	41	44	43
32	20	30	25	39	-3	44	44	43
25	21	27	26	37	-5	41	47	44
25	22	28	24	36	-3	42	45	43
25	22	24	24	37	-5	42	45	44
28	21	26	24	39	-5	42	43	43
26	21	25	25	40	-5	43	45	44
25	22	23	25	39	-4	41	44	43
29	23	31	24	36	-5	42	45	44
28	24	25	25	39	-2	41	44	45
26	20	31	25	39	-4	41	44	45
27	23	28	25	39	-4	41	44	45
26	19	25	25	38	-2	41	44	45
28	20	24	24	39	-3	43	45	44
27	24	28	25	39	-4	41	44	45
24	21	29	25	38	-2	40	45	44
29	22	25	26	38	-2	41	44	43
26	21	29	24	39	-3	42	45	45
31	24	26	24	39	-3	43	45	45
27	23	27	26	40	-2	43	45	43
23	24	25	25	41	-0	41	44	45
29	25	19	26	41	-2	43	45	44
27	25	27	25	41	-3	43	45	44
28	23	26	27	40	-2	45	45	44
28	22	24	27	40	-2	43	46	44
25	22	26	28	40	-1	43	45	44
27	24	25	28	41	0	44	44	45
27	26	25	28	41	0	44	44	46
28	25	26	29	42	0	47	46	44
26	26	25	30	42	0	45	47	45
28	25	26	30	43	0	45	46	44
25	25	24	31	44	0	45	47	45
23	21	26	31	44	1	44	47	45
23	22	25	29	43	2	44	48	46
24	24	25	32	43	3	45	48	45
23	25	25	30	43	3	45	46	45
24	23	25	31	44	5	44	47	46
22	23	24	31	44	5	44	47	45

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C	4-06 CO-PLT WNDSHD INSIDE UPPER R H DEG.C	4-07 CENTER PANEL WNDSHD INSIDE LWR C DEG.C	4-08 CENTER PANEL WNDSHD INSIDE UPR C DEG.C	4-09 1STAGE PUMP INLET HYD. TEMP DEG.C	1 O
276	46	50	17	23	24	24	31	
277	47	10	17	21	22	23	32	
278	47	29	15	21	22	23	32	
279	47	49	18	21	17	23	32	
280	48	9	15	19	18	26	34	
281	48	29	15	19	19	24	32	
282	48	48	15	18	19	25	33	
283	49	8	16	19	19	23	33	
284	49	28	16	19	18	25	33	
285	49	48	14	21	21	24	34	
286	50	7	14	18	18	25	34	
287	50	27	15	17	16	25	34	
288	50	47	14	18	18	27	34	
289	51	7	14	19	20	23	34	
290	51	26	13	18	19	23	35	
291	51	46	14	19	19	24	35	
292	52	6	14	18	18	25	36	
293	52	26	12	17	16	21	36	
294	52	45	14	17	15	24	36	
295	53	5	12	17	17	23	35	
296	53	25	13	17	15	24	36	
297	53	45	13	17	18	21	36	
298	54	4	13	19	17	23	36	
299	54	24	12	18	16	23	36	
300	54	44	13	15	15	25	36	
301	55	4	11	17	15	22	36	
302	55	23	12	16	15	21	37	
303	55	43	11	15	14	21	36	
304	56	3	11	14	15	20	35	
305	56	23	9	14	12	21	33	
306	56	42	9	14	13	20	35	
307	57	2	9	14	13	20	35	
308	57	22	10	14	14	19	33	
309	*	*	*	*	*	*	*	

4-06	4-07	4-08	4-09	4-10	4-11	4-12	4-14	4-15
D-PLT	CENTER	CENTER	1STAGE	1STAGE	1STAGE	2STAGE	2STAGE	2STAGE
NDSHD	PANEL	PANEL	PUMP	PUMP	AFT	PUMP	AFT	AFCS 1
SIDE	WNDSHD	WNDSHD	INLET	OUTLET	SERVO	INLET	SERVO	(COLL.
UPPER	INSIDE	INSIDE	HYD.	HYD.	HYD IN	HYD.	HYD IN	/YAW
R H	LWR C	UPR C	TEMP	TEMP	TEMP	TEMP	TEMP	CHAN)
DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
2?	24	24	31	44	5	44	47	45
21	22	23	32	44	6	44	47	44
21	22	23	32	44	6	45	46	44
21	17	23	32	45	7	46	46	45
19	18	26	34	44	6	44	48	45
19	19	24	32	47	7	45	46	45
18	19	25	33	45	6	45	48	46
19	19	23	33	46	6	45	48	45
19	18	25	33	48	7	46	45	45
21	21	24	34	45	7	44	48	45
18	18	25	34	45	8	48	48	45
17	16	25	34	47	7	47	46	47
18	18	27	34	48	6	48	49	44
19	20	23	34	46	8	46	48	46
18	19	23	35	46	8	48	49	46
19	19	24	35	48	7	46	46	47
18	18	25	36	48	7	46	48	46
17	16	21	36	48	9	48	49	44
17	15	24	36	46	7	45	48	45
17	17	23	35	48	6	48	49	45
17	15	24	36	48	8	48	49	46
17	18	21	36	48	9	48	49	45
19	17	23	36	49	10	45	48	46
18	16	23	36	48	8	48	49	45
15	15	25	36	46	8	45	49	45
17	15	22	36	49	10	46	48	46
16	15	21	37	45	8	48	49	46
15	14	21	36	44	11	46	49	51
14	15	20	35	41	8	48	52	46
14	12	21	33	40	8	51	54	45
14	13	20	35	40	8	51	56	45
14	13	20	35	40	8	54	59	45
14	14	19	33	39	7	52	55	47
*	*	*	*	*	*	*	*	*

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-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C
181	15	31	0	2	2	-2	-11
182	15	51	0	7	8	-2	-12
183	16	10	1	6	11	-1	-12
184	16	30	2	7	13	-4	-13
185	16	50	8	7	15	-2	-12
186	17	10	9	10	15	-1	-12
187	17	29	14	8	17	-2	-13
188	17	49	17	8	15	-0	-14
189	18	9	18	11	18	-1	-12
190	18	29	20	11	17	-0	-12
191	18	49	22	13	21	-2	-12
192	19	8	25	15	21	-2	-13
193	19	28	25	15	22	0	-12
194	19	48	28	15	23	0	-14
195	20	8	29	17	23	-1	-12
196	20	28	30	18	25	-1	-11
197	20	47	33	18	24	0	-12
198	21	7	33	18	27	0	-13
199	21	27	33	20	25	1	-12
200	21	47	36	22	28	0	-13
201	22	6	36	22	29	1	-14
202	22	26	36	22	28	1	-11
203	22	46	37	22	28	3	-13
204	23	6	39	23	29	2	-12
205	23	26	39	22	29	2	-10
206	23	45	38	23	32	1	-10
207	24	5	40	25	32	3	-12
208	24	25	39	22	33	4	-8
209	24	45	38	24	33	4	-8
210	25	4	40	23	33	4	-7
211	25	24	36	22	32	3	-10
212	25	44	38	23	30	5	-8
213	26	4	41	22	32	5	-10
214	26	24	42	22	32	5	-10
215	26	43	38	23	33	6	-7
216	27	3	40	24	32	4	-7
217	27	23	38	23	32	6	-8
218	27	43	37	23	30	6	-8
219	28	2	38	25	32	6	-8
220	28	22	40	23	33	7	-6
221	28	42	40	23	33	7	-7
222	29	2	37	22	32	8	-8
223	29	22	39	22	33	8	-7
224	29	41	39	23	34	7	-7

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4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
2	2	-2	-11	-12	9	8	-4	-2
7	8	-2	-12	-12	11	7	11	3
6	11	-1	-13	-13	11	7	22	17
7	13	-4	-13	-8	11	7	24	14
7	15	-2	-12	-7	9	8	28	11
10	15	-1	-12	-7	10	7	29	9
8	17	-2	-13	-7	11	7	33	10
8	15	-0	-14	-6	9	7	33	8
11	18	-1	-12	-8	9	7	36	6
11	17	-0	-12	-6	10	7	37	5
13	21	-2	-12	-8	7	8	38	7
15	21	-2	-13	-7	7	7	38	6
15	22	0	-12	-6	8	8	37	6
15	23	0	-14	-5	8	7	39	8
17	23	-1	-12	-7	8	8	40	9
18	25	-1	-11	-7	7	6	42	12
18	24	0	-12	-6	8	7	44	17
18	27	0	-13	-4	10	7	43	27
20	25	1	-12	-6	8	8	44	27
22	28	0	-13	-5	10	7	45	28
22	29	1	-14	-5	10	7	45	29
22	28	1	-11	-4	14	13	46	25
22	28	3	-13	-2	17	11	43	25
23	29	2	-12	-5	13	11	40	26
22	29	2	-10	-4	11	11	42	27
23	32	1	-10	-4	11	9	43	28
25	32	3	-12	-2	12	11	44	27
22	33	4	-8	-4	12	9	44	27
24	33	4	-8	-4	9	9	47	27
23	33	4	-7	-3	11	9	46	28
22	32	3	-10	-5	10	9	45	27
23	30	5	-8	-6	11	11	45	28
22	32	5	-10	-5	11	11	45	26
22	32	5	-10	-6	11	11	46	27
23	33	6	-7	-8	9	11	48	27
24	32	4	-7	-8	8	9	47	27
23	32	6	-8	-8	11	12	48	28
23	30	6	-8	-6	10	11	46	28
25	32	6	-8	-6	11	11	46	28
23	33	7	-6	-7	11	9	48	28
23	33	7	-7	-8	9	11	48	27
22	32	8	-8	-5	11	11	48	27
22	33	8	-7	-6	11	9	48	25
23	34	7	-7	-7	9	13	48	26
23	33	8	-8	-6	12	11	46	28

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	R R
226	30	21	38	22	32	7	-6	
227	30	41	37	24	33	8	-7	
228	31	0	39	22	34	7	-6	
229	31	20	39	25	33	8	-8	
230	31	40	38	23	33	9	-7	
231	32	0	37	24	33	8	-7	
232	32	20	39	22	32	10	-7	
233	32	39	39	23	34	7	-6	
234	32	59	39	23	34	7	-5	
235	33	19	38	22	34	9	-7	
236	33	39	41	22	29	9	-4	
237	33	58	40	23	31	8	-5	
238	34	18	43	22	31	11	-6	
239	34	38	44	23	31	11	-5	
240	34	58	40	23	27	11	-4	
241	35	18	43	23	30	8	-4	
242	35	37	39	23	30	11	-4	
243	35	57	41	23	32	8	-3	
244	36	17	43	25	30	9	-2	
245	36	37	43	22	34	11	-4	
246	36	55	39	23	33	9	-4	
247	37	16	42	22	32	11	-4	
248	37	36	44	23	32	11	-4	
249	37	56	40	23	34	11	-2	
250	38	16	44	23	32	11	-2	
251	38	35	45	25	33	11	-2	
252	38	55	44	24	32	11	-2	
253	39	15	41	25	31	12	-4	
254	39	35	43	23	33	11	-2	
255	39	55	44	24	33	11	-2	
256	40	14	40	24	33	11	-2	
257	40	34	41	24	33	12	-2	
258	40	54	44	24	36	11	-5	
259	41	14	42	25	33	13	-4	
260	41	33	41	24	33	12	-2	
261	41	53	43	25	34	14	-4	
262	42	13	45	25	36	13	-0	
263	42	33	45	25	34	13	-4	
264	42	53	45	25	36	14	-2	
265	43	12	43	25	35	14	-1	
266	43	32	43	26	36	13	0	
267	43	52	44	24	36	14	-1	
268	44	12	43	27	36	15	0	
269	44	32	42	25	35	14	0	
270	44	51	43	26	36	14	-1	
271	45	11	45	27	36	14	-1	
272	45	31	44	24	36	14	0	
273	45	51	41	27	36	15	0	
274	46	10	43	24	36	14	-1	

4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
22	32	7	-6	-5	11	11	46	28
24	33	8	-7	-6	11	14	48	29
22	34	7	-6	-4	11	14	48	28
25	33	8	-8	-5	12	14	48	29
23	33	9	-7	-5	11	14	48	29
24	33	8	-7	-7	12	13	48	27
22	32	10	-7	-6	11	12	48	30
23	34	7	-6	-4	11	13	48	28
23	34	7	-5	-4	11	15	49	28
22	34	9	-7	-6	11	17	48	26
22	29	9	-4	-6	17	14	41	27
23	31	8	-5	-5	14	15	41	28
22	31	11	-6	-4	18	15	39	24
23	31	11	-5	-2	21	15	39	25
23	27	11	-4	-4	17	16	40	26
23	30	8	-4	-4	15	15	42	25
23	30	11	-4	-5	15	14	41	27
23	32	8	-3	-4	15	15	43	26
25	30	9	-2	-4	15	15	45	29
22	34	11	-4	-5	15	14	45	31
23	33	9	-4	-4	15	15	47	29
22	32	11	-4	-5	13	14	48	29
23	32	11	-4	0	15	15	48	27
23	34	11	-2	0	14	14	46	29
23	32	11	-2	-4	15	15	47	28
25	33	11	-2	-4	15	15	48	29
24	32	11	-2	-2	14	15	48	28
25	31	12	-4	-4	15	16	48	29
23	33	11	-2	-3	14	15	49	31
24	33	11	-2	-4	14	15	49	31
24	33	11	-2	-4	15	15	50	32
24	33	12	-2	-4	15	17	49	29
24	36	11	-5	-5	15	15	51	32
25	33	13	-4	-5	16	15	49	31
24	33	12	-2	-4	15	17	51	30
25	34	14	-4	-3	14	15	50	33
26	36	13	-0	-2	15	19	51	30
25	34	13	-4	-2	16	17	48	30
25	36	14	-2	-2	14	15	50	33
25	35	14	-1	-2	14	15	50	32
26	36	13	0	-2	15	18	51	32
24	36	14	-1	-0	15	17	51	33
27	36	15	0	0	15	17	51	33
25	35	14	0	-1	16	17	49	32
26	36	14	-1	1	15	18	52	34
27	36	14	-1	-0	14	17	52	33
24	36	14	0	-0	15	17	51	33
27	36	15	0	0	17	19	51	32
24	36	14	-1	-0	15	17	51	33
25	37	15		-1	16	18	52	33

-01 SWEEP COUNT	4-02 TIME MIN.	4-03 TIME SEC.	4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C	4-17 UTIL. PUMP INLET HYD. TEMP DEG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4- ROTA RUDD UTI INL TE DEG
276	46	50	45	25	35	15	0	
277	47	10	42	27	36	15	-0	-
278	47	29	39	27	36	15	0	
279	47	49	45	27	36	15	0	
280	48	9	42	26	36	14	0	
281	48	29	41	27	36	15	0	
282	48	48	44	24	36	15	0	
283	49	8	41	24	36	14	-1	
284	49	28	43	24	37	15	1	
285	49	48	45	25	37	15	0	
286	50	7	42	25	37	16	-0	
287	50	27	43	27	36	15	0	
288	50	47	45	27	36	17	0	
289	51	7	44	26	37	18	0	
290	51	26	45	25	38	17	0	
291	51	46	44	28	38	15	1	
292	52	6	43	26	38	18	1	
293	52	26	46	25	37	17	0	-
294	52	45	45	25	37	17	1	
295	53	5	46	27	37	17	0	
296	53	25	47	26	37	18	1	
297	53	45	45	26	37	18	0	
298	54	4	44	26	38	18	0	
299	54	24	45	25	37	17	-0	
300	54	44	45	28	37	17	0	
301	55	4	45	26	38	18	0	
302	55	23	45	25	37	19	0	
303	55	43	44	29	36	17	2	
304	56	3	43	25	37	17	0	
305	56	23	42	27	37	19	3	
306	56	42	39	27	37	19	0	
307	57	2	39	27	37	19	3	
308	57	22	37	27	36	18	2	
309	*	*	*	*	*	*	*	

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4-17 TIL. PUMP NLET HYD. TEMP EG.C	4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C	4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C	4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C	4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C	4-22 WINCH PUMP SERVO INLET HYD. DEG.C	4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C	4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C	4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C
25	35	15	0	0	16	18	52	34
27	36	15	-0	-0	15	17	50	33
27	36	15	0	0	15	17	52	33
27	36	15	0	0	15	17	51	33
26	36	14	0	0	15	17	51	33
27	36	15	0	0	17	19	51	32
24	36	15	0	0	15	17	52	33
24	36	14	-1	0	15	17	52	33
24	37	15	1	0	15	19	51	33
25	37	15	0	0	17	18	51	32
25	37	16	-0	0	17	18	49	32
27	36	15	0	0	15	19	52	33
27	36	17	0	1	17	18	51	34
26	37	18	0	1	18	20	52	33
25	38	17	0	2	18	18	52	33
28	38	15	1	0	15	21	53	33
26	38	18	1	1	15	18	52	34
25	37	17	0	-1	16	18	51	34
25	37	17	1	0	15	20	52	33
27	37	17	0	0	17	21	51	32
26	37	18	1	0	18	19	52	33
26	37	18	0	1	17	18	52	34
26	38	18	0	1	16	18	51	34
25	37	17	-0	0	17	19	51	32
28	37	17	0	1	18	18	52	34
26	38	18	0	1	17	18	52	34
25	37	19	0	1	17	18	52	33
29	36	17	2	0	15	20	53	33
25	37	17	0	2	17	18	52	34
27	37	19	3	2	17	19	52	35
27	37	19	0	1	19	21	52	36
27	37	19	3	1	19	18	51	35
27	36	18	2	4	18	19	46	36
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	N. C(
181	15	33	-14	-14	-10	-13	-12	
182	15	53	-14	-14	-10	-13	-12	
183	16	13	-15	-12	-13	-12	-11	
184	16	32	-15	-12	-10	-12	-11	
185	16	52	-14	-13	-12	-13	-12	
186	17	12	-14	-12	-11	-12	-10	
187	17	32	-14	-13	-12	-13	-12	
188	17	52	-14	-12	-10	-12	-10	
189	18	11	-15	-12	-10	-12	-10	
190	18	31	-15	-12	-10	-12	-10	
191	18	51	-14	-14	-12	-13	-12	
192	19	11	-15	-14	-10	-13	-10	
193	19	30	-15	-12	-11	-11	-13	
194	19	50	-14	-12	-10	-12	-11	
195	20	10	-16	-13	-12	-11	-11	
196	20	30	-14	-12	-11	-12	-10	
197	20	50	-15	-11	-13	-11	-11	
198	21	9	-15	-12	-11	-12	-11	
199	21	29	-14	-14	-10	-12	-10	
200	21	49	-16	-13	-11	-11	-11	
201	22	9	-16	-13	-12	-11	-11	
202	22	29	-15	-12	-13	-12	-10	
203	22	48	-15	-3	-3	-11	-13	
204	23	8	-6	2	2	-13	-12	
205	23	28	1	9	8	-10	-12	
206	23	48	2	14	13	-10	-6	
207	24	7	8	18	17	-10	-4	
208	24	27	13	23	21	-10	-0	
209	24	47	17	27	25	-10	2	
210	25	7	22	35	30	-8	9	
211	25	27	26	43	37	-8	24	
212	25	46	29	49	41	-10	35	
213	26	6	34	54	45	-12	43	
214	26	26	40	59	45	-11	46	
215	26	46	43	61	48	-11	48	
216	27	5	44	65	46	-12	53	
217	27	25	45	66	48	-11	54	
218	27	45	46	68	48	-10	54	
219	28	5	46	70	49	-12	56	
220	28	25	48	71	48	-10	56	
221	28	44	48	70	48	-10	59	
222	29	4	46	71	48	-12	60	
223	29	24	46	73	50	-11	60	
224	29	44	49	71	49	-11		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

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CLIMATIC LAB TEST
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-06	5-07	5-08	5-09	5-10	5-11	5-12	5-13	5-14
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.2	ENG.2
OIL	OIL	FUEL	N.G.B.	N.G.B.	N.G.B.	N.G.B.	OIL	OIL
LER	COOLER	PUMP	COOLER	COOLER	COOLER	COOLER	COOLER	COOLER
LET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	INLET	OUTLET
OIL	OIL	FUEL	OIL	OIL	OIL	OIL	OIL	OIL
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
14	-10	-13	-12	-14	-11	-14	-14	-13
14	-10	-13	-12	-13	-12	-13	-15	-11
12	-13	-12	-11	-12	-13	-12	-14	-14
12	-10	-12	-11	-12	-13	-12	-14	-12
13	-12	-13	-12	-13	-12	-13	-15	-12
12	-11	-12	-10	-12	-13	-12	-13	-12
13	-12	-13	-12	-11	-12	-13	-15	-13
12	-10	-12	-10	-12	-12	-12	-14	-14
12	-10	-12	-10	-12	-13	-12	-13	-12
12	-10	-12	-10	-12	-13	-12	-13	-12
14	-12	-13	-12	-13	-12	-13	-16	-13
14	-10	-13	-10	-13	-12	-14	-16	-13
12	-11	-11	-13	-11	-14	-12	-14	-12
12	-10	-12	-11	-12	-13	-14	-13	-14
13	-12	-11	-11	-12	-14	-12	-14	-12
12	-11	-12	-10	-12	-13	-15	-13	-13
11	-13	-11	-11	-12	-13	-12	-14	-12
12	-11	-12	-11	-12	-13	-12	-14	-12
14	-10	-12	-10	-12	-11	-14	-14	-14
13	-11	-11	-11	-11	-14	-12	-14	-12
13	-12	-11	-11	-13	-12	-13	-15	-12
12	-13	-12	-10	-12	-13	-12	-13	-12
-3	-3	-11	-13	-11	-14	-12	-13	-12
2	2	-13	-12	-13	-12	-13	-12	-13
9	8	-10	-12	-13	-12	-13	-12	-13
4	13	-10	-6	-8	-12	-14	-11	-11
8	17	-10	-4	-4	-12	-14	-12	-13
3	21	-10	-0	-3	-12	-14	-12	-11
7	25	-10	2	0	-11	-14	-12	-13
5	30	-8	9	10	-13	-12	-13	-12
3	37	-8	24	22	-13	-12	-13	-12
9	41	-10	35	35	-14	-12	-13	-12
4	45	-12	43	47	-13	-12	-13	-12
9	45	-11	46	55	-12	-12	-13	-12
1	48	-11	48	60	-12	-13	-12	-11
5	46	-12	53	65	-13	-12	-11	-12
6	48	-11	54	69	-12	-13	-12	-13
8	48	-10	54	72	-12	-12	-13	-12
0	49	-12	56	74	-11	-13	-11	-13
1	48	-10	56	77	-13	-12	-10	-12
0	48	-10	59	79	-12	-13	-12	-11
1	48	-12	60	81	-13	-12	-13	-12
3	50	-11	60	81	-12	-12	-11	-13
1	49	-11	60	83	-12	-13	-12	-13
3	49	-10	60	85	-11	-12	-13	-12

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C
226	30	23	48	73	51	-8	61
227	30	43	48	72	51	-9	59
228	31	3	48	73	50	-11	61
229	31	23	51	72	51	-9	59
230	31	42	48	75	51	-8	61
231	32	2	50	73	51	-11	62
232	32	22	48	75	50	-10	60
233	32	42	50	74	50	-10	62
234	33	1	49	73	50	-11	61
235	33	21	49	74	52	-10	62
236	33	41	51	76	49	-10	62
237	34	1	49	76	52	-10	61
238	34	21	51	76	51	-9	61
239	34	40	51	76	52	-8	61
240	35	0	51	76	51	-9	62
241	35	20	53	75	52	-11	62
242	35	40	51	76	51	-9	61
243	36	0	50	75	52	-11	62
244	36	19	52	77	54	-10	63
245	36	39	51	78	52	-8	62
246	36	59	52	78	53	-10	62
247	37	19	51	78	51	-9	62
248	37	38	50	77	52	-10	62
249	37	58	51	79	51	-9	61
250	38	18	52	80	52	-8	60
251	38	38	52	81	54	-11	61
252	38	58	52	80	52	-8	61
253	39	17	52	78	53	-11	62
254	39	37	52	79	52	-8	61
255	39	57	52	79	52	-8	61
256	40	17	51	79	52	-8	61
257	40	36	52	77	53	-11	63
258	40	56	51	76	51	-10	63
259	41	16	51	79	52	-9	62
260	41	36	53	77	52	-10	62
261	41	56	51	79	52	-8	60
262	42	15	53	77	53	-10	62
263	42	35	52	76	52	-8	62
264	42	55	52	77	52	-10	61
265	43	15	51	79	52	-8	62
266	43	35	53	78	54	-10	61
267	43	54	52	77	54	-11	61
268	44	14	53	78	53	-9	62
269	44	34	53	78	52	-8	62
270	44	54	52	78	51	-8	62
271	45	13	51	79	52	-8	62
272	45	33	52	79	52	-8	61
273	45	53	53	78	53	-9	61
274	46	13	52	77	52	-8	61
275	46	33	52	78	53	-7	62

1721

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
73	51	-8	61	86	-13	-12	-13	-12
72	51	-9	59	86	-12	-13	-12	-13
73	50	-11	61	88	-13	-12	-13	-12
72	51	-9	59	87	-12	-11	-11	-10
75	51	-8	61	89	-13	-12	-13	-11
73	51	-11	62	88	-11	-11	-10	-13
75	50	-10	60	88	-13	-12	-13	-12
74	50	-10	62	87	-12	-13	-12	-12
73	50	-11	61	88	-11	-12	-11	-11
74	52	-10	62	89	-12	-13	-12	-13
76	49	-10	62	89	-12	-10	-12	-12
76	52	-10	61	89	-13	-12	-11	-10
76	51	-9	61	89	-12	-10	-12	-13
76	52	-8	61	88	-13	-12	-11	-12
76	51	-9	62	89	-12	-13	-12	-13
75	52	-11	62	89	-11	-11	-10	-13
76	51	-9	61	91	-12	-11	-11	-11
75	52	-11	62	88	-10	-12	-10	-11
77	54	-10	63	89	-10	-12	-9	-11
78	52	-8	62	90	-12	-11	-12	-10
78	53	-10	62	89	-12	-13	-12	-10
78	51	-9	62	89	-12	-10	-12	-10
77	52	-10	62	89	-10	-12	-10	-11
79	51	-9	61	90	-11	-10	-10	-10
80	52	-8	60	89	-10	-12	-10	-12
81	54	-11	61	92	-10	-12	-10	-12
80	52	-8	61	91	-11	-8	-10	-12
78	53	-11	62	92	-10	-13	-8	-11
79	52	-8	61	91	-11	-11	-11	-12
79	52	-8	61	90	-10	-12	-10	-12
79	52	-8	61	90	-10	-10	-10	-12
77	53	-11	63	88	-10	-11	-10	-12
76	51	-10	63	89	-8	-10	-9	-12
79	52	-9	62	89	-11	-10	-8	-11
77	52	-10	62	89	-9	-10	-8	-11
79	52	-8	60	89	-11	-10	-11	-10
77	53	-10	62	88	-9	-10	-8	-13
76	52	-8	62	89	-8	-10	-10	-13
77	52	-10	61	89	-9	-11	-9	-11
79	52	-8	62	91	-8	-9	-8	-10
78	54	-10	61	88	-7	-12	-9	-11
77	54	-11	61	90	-8	-10	-10	-12
78	53	-9	62	88	-7	-11	-7	-10
78	52	-8	62	89	-8	-10	-8	-10
78	51	-8	62	89	-8	-7	-8	-10
79	52	-8	62	89	-8	-8	-8	-10
79	52	-8	61	89	-7	-8	-7	-12
78	53	-9	61	89	-9	-11	-9	-11
77	52	-8	61	89	-8	-8	-7	-10
78	53	-7	62	89	-8	-9	-8	-10

2

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C	5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5 EN N.G COO IN DE
276	46	52	52	78	53	-8	62	
277	47	12	51	79	52	-9	62	
278	47	32	52	79	54	-8	61	
279	47	51	52	79	52	-10	61	
280	48	11	52	79	52	-8	60	
281	48	31	51	79	51	-9	62	
282	48	51	52	77	52	-8	61	
283	49	11	52	77	54	-10	62	
284	49	30	52	78	52	-8	61	
285	49	50	53	78	53	-7	62	
286	50	10	52	78	52	-6	62	
287	50	30	52	80	52	-8	61	
288	50	49	52	78	52	-7	59	
289	51	9	52	79	52	-8	60	
290	51	29	52	79	52	-7	62	
291	51	49	54	78	54	-7	61	
292	52	8	52	80	52	-8	60	
293	52	28	52	79	52	-8	59	
294	52	48	52	77	54	-8	61	
295	53	7	52	76	53	-7	62	
296	53	27	52	80	52	-8	61	
297	53	47	52	76	51	-8	59	
298	54	7	53	78	53	-7	60	
299	54	26	54	77	54	-10	61	
300	54	46	52	79	52	-7	59	
301	55	6	52	79	54	-7	60	
302	55	26	51	74	59	-7	64	
303	55	46	54	70	61	-8	65	
304	56	5	52	71	60	-7	63	
305	56	25	54	70	60	-8	61	
306	56	45	56	67	61	-6	61	
307	57	4	56	66	59	-7	61	
308	57	24	55	67	59	-4	62	
309	*	*	*	*	*	*	*	

722

5-06 ENG.1 OIL COOLER INLET OIL DEG.C	5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C	5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C	5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C	5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C	5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C	5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C	5-13 ENG.2 OIL COOLER INLET OIL DEG.C	5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C
78	53	-8	62	89	-7	-8	-8	-10
79	52	-9	62	89	-8	-10	-11	-10
79	54	-8	61	89	-7	-8	-7	-12
79	52	-10	61	88	-6	-8	-7	-12
79	52	-8	60	89	-7	-7	-8	-8
79	51	-9	62	89	-8	-8	-8	-10
77	52	-8	61	88	-7	-11	-7	-8
77	54	-10	62	88	-6	-10	-7	-11
78	52	-8	61	88	-6	-8	-7	-10
78	53	-7	62	89	-7	-8	-7	-11
78	52	-6	62	89	-8	-8	-8	-9
80	52	-8	61	88	-6	-8	-8	-11
78	52	-7	59	89	-8	-8	-8	-8
79	52	-8	60	89	-7	-7	-8	-8
79	52	-7	62	89	-8	-7	-10	-8
78	54	-7	61	89	-6	-10	-7	-11
80	52	-8	60	90	-7	-7	-7	-8
79	52	-8	59	89	-8	-6	-7	-10
77	54	-8	61	88	-6	-7	-7	-8
76	53	-7	62	89	-6	-10	-7	-11
80	52	-8	61	89	-6	-8	-7	-8
76	51	-8	59	89	-8	-6	-8	-9
78	53	-7	60	89	-7	-6	-8	-9
77	54	-10	61	88	-5	-8	-7	-8
79	52	-7	59	91	-8	-6	-7	-10
79	54	-7	60	88	-6	-7	-6	-8
74	59	-7	64	83	-8	-6	-8	-7
70	61	-8	65	82	-5	-8	-6	-8
71	60	-7	63	82	-7	-7	-8	-8
70	60	-8	61	80	-6	-8	-7	-7
67	61	-6	61	80	-6	-8	-7	-7
66	59	-7	61	79	-6	-7	-9	-8
67	59	-4	62	76	-8	-7	-8	-7
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
181	15	33	5	-12	-12	-12	-11
182	15	53	15	-12	-12	-11	-13
183	16	13	22	-12	-11	-12	-13
184	16	32	25	-12	-13	-12	-12
185	16	52	26	-12	-12	-12	-12
186	17	12	28	-11	-13	-10	-13
187	17	32	29	-12	-12	-11	-13
188	17	52	32	-12	-12	-10	-12
189	18	11	32	-12	-11	-10	-12
190	18	31	34	-12	-11	-10	-13
191	18	51	33	-12	-12	-10	-12
192	19	11	36	-11	-12	-10	-12
193	19	30	37	-12	-11	-9	-12
194	19	50	39	-12	-10	-8	-12
195	20	10	38	-12	-11	-8	-12
196	20	30	41	-12	-10	-9	-12
197	20	50	39	-11	-11	-7	-13
198	21	9	41	-12	-10	-7	-13
199	21	29	43	-12	-10	-7	-12
200	21	49	43	-12	-12	-6	-12
201	22	9	44	-11	-12	-7	-12
202	22	29	45	-12	-11	-6	-12
203	22	48	45	-12	-11	-6	-12
204	23	8	48	-12	-12	-6	-12
205	23	28	48	-13	-12	-7	-12
206	23	48	48	-12	-11	-7	-7
207	24	7	48	-12	-11	-7	-6
208	24	27	49	-12	-12	-8	-4
209	24	47	49	-11	-10	-7	-2
210	25	7	46	-9	-9	-8	1
211	25	27	49	-6	-6	-7	4
212	25	46	46	-2	-2	-7	6
213	26	6	49	1	2	-7	8
214	26	26	46	4	2	-5	9
215	26	46	48	8	7	-4	9
216	27	5	49	10	10	-4	11
217	27	25	48	13	14	-2	11
218	27	45	49	15	15	-1	12
219	28	5	49	18	17	-0	12
220	28	25	50	19	17	0	12
221	28	44	48	22	22	1	14
222	29	4	50	23	23	2	15
223	29	24	50	26	24	3	16
224	29	44	49	27	26	4	15
225	30	3	49	29	26	5	16

HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
+12	-12	-12	-11	14	9	-3	-8	-8
+12	-12	-11	-13	13	10	-4	-8	-8
+12	-11	-12	-13	12	9	-5	-8	-9
+12	-13	-12	-12	12	11	-4	-9	-8
+12	-12	-12	-12	*	12	-2	-8	-7
+11	-13	-10	-13	14	11	-2	-6	-6
+12	-12	-11	-13	*	11	-0	-6	-4
+12	-12	-10	-12	16	11	0	-6	-4
+12	-11	-10	-12	*	7	0	-6	-4
+12	-11	-10	-13	*	5	1	-6	-4
+12	-12	-10	-12	13	5	2	-6	-4
+11	-12	-10	-12	17	2	2	-6	-3
+12	-11	-9	-12	*	8	3	-6	-2
+12	-10	-8	-12	*	4	4	-5	-2
+12	-11	-8	-12	28	11	5	-5	-0
+12	-10	-9	-12	33	6	6	-4	-2
+11	-11	-7	13	*	8	7	-4	0
+12	-10	-7	-13	*	9	7	-4	0
+12	-10	-7	-12	*	8	8	-4	0
+12	-12	-6	-12	*	11	8	-5	0
+11	-12	-7	-12	*	14	8	-4	0
+12	-11	-6	-12	*	7	9	-4	0
+12	-11	-6	-12	*	11	10	-3	0
+12	-12	-6	-12	32	9	9	-3	1
+13	-12	-7	-12	*	15	10	-3	1
+12	-11	-7	-7	36	15	11	-2	1
+12	-11	-7	-6	*	9	11	-2	2
+12	-12	-8	-4	*	9	11	-2	2
+11	-10	-7	-2	*	14	10	-1	3
-9	-9	-8	1	*	14	11	-1	2
-6	-6	-7	4	*	17	12	-0	3
-2	-2	-7	6	*	15	11	-0	3
1	2	-7	8	*	17	12	0	3
4	2	-5	9	*	18	12	0	4
8	7	-4	9	27	10	12	0	4
10	10	-4	11	29	15	12	0	5
13	14	-2	11	*	13	13	0	5
15	15	-1	12	*	11	14	0	6
18	17	-0	12	*	19	13	1	5
19	17	0	12	*	12	13	1	6
22	22	1	14	*	14	14	1	6
23	23	2	15	*	14	14	1	7
26	24	3	16	*	11	13	2	7
27	26	4	15	*	15	12	2	7
29	26	5	18	*	19	14	1	7

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
226	30	23	51	31	29	7	16
227	30	43	50	32	31	7	17
228	31	3	50	34	32	8	17
229	31	23	48	35	33	10	17
230	31	42	51	37	36	10	17
231	32	2	50	37	36	10	18
232	32	22	51	39	37	11	18
233	32	42	50	40	38	12	18
234	33	1	52	42	39	12	19
235	33	21	52	43	42	13	19
236	33	41	51	45	45	12	19
237	34	1	51	45	43	14	20
238	34	21	52	47	44	14	19
239	34	40	52	48	44	14	19
240	35	0	52	48	46	14	20
241	35	20	53	49	47	14	21
242	35	40	51	51	48	14	21
243	36	0	52	51	48	14	21
244	36	19	54	53	49	16	22
245	36	39	51	54	51	16	23
246	36	59	52	55	51	17	24
247	37	19	51	56	51	18	24
248	37	38	54	56	53	18	25
249	37	58	52	58	52	19	25
250	38	18	52	50	52	19	25
251	38	38	54	59	54	19	24
252	38	58	52	61	52	18	23
253	39	17	54	60	54	18	22
254	39	37	52	62	52	18	23
255	39	57	54	62	52	18	24
256	40	17	52	63	52	19	24
257	40	36	54	62	52	20	25
258	40	56	54	64	52	19	25
259	41	16	54	63	54	19	25
260	41	36	54	64	54	20	25
261	41	56	55	65	52	20	27
262	42	15	56	64	55	20	25
263	42	35	54	64	56	21	27
264	42	55	54	65	54	21	27
265	43	15	55	66	54	22	28
266	43	35	56	65	54	22	28
267	43	54	54	67	54	22	29
268	44	14	56	66	56	21	29
269	44	34	55	67	56	22	29
270	44	54	55	67	55	22	29
271	45	13	56	67	56	22	29
272	45	33	54	68	55	22	29
273	45	53	56	68	54	21	29
274	46	13	55	68	55	22	29
275	46	33	55	67	56	21	29

1724

5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
31	29	7	16	28	14	14	2	7
32	31	7	17	*	14	12	2	8
34	32	8	17	*	16	14	2	9
35	33	10	17	28	20	15	2	8
37	36	10	17	28	13	14	2	8
37	36	10	18	*	17	14	3	8
39	37	11	18	*	21	14	3	9
40	38	12	18	*	18	14	3	9
42	39	12	19	28	18	15	4	8
43	42	13	19	27	18	14	4	9
45	45	12	19	*	16	15	3	9
45	43	14	20	*	16	15	4	9
47	44	14	19	*	19	15	3	11
48	44	14	19	*	22	15	4	11
48	46	14	20	28	18	15	5	10
49	47	14	21	*	12	15	5	11
51	48	14	21	*	19	15	5	11
51	48	14	21	28	18	16	4	11
53	49	16	22	29	19	15	4	11
54	51	16	23	29	18	15	5	11
55	51	17	24	29	19	17	5	11
56	51	18	24	29	17	17	5	12
56	53	18	25	28	18	17	6	11
58	52	19	25	*	18	17	6	11
59	52	19	25	*	14	15	6	13
59	54	19	24	29	15	15	6	12
61	52	18	23	29	17	16	6	13
60	54	18	22	*	18	16	6	12
62	52	18	23	30	18	15	6	12
62	52	18	24	29	22	15	6	12
63	52	19	24	29	14	17	7	13
62	52	20	25	*	12	17	7	13
64	52	19	25	*	22	16	6	14
63	54	19	25	31	15	17	7	14
64	54	20	25	30	17	17	7	13
65	52	20	27	*	17	17	7	13
64	55	20	25	*	18	17	7	14
64	56	21	27	32	22	17	7	13
65	54	21	27	31	14	17	7	14
66	54	22	28	32	22	17	7	14
65	54	22	28	*	19	18	7	14
67	54	22	29	*	21	19	7	15
66	56	21	29	32	22	18	7	14
67	56	22	29	*	23	18	8	14
67	55	22	29	*	22	18	7	14
67	56	22	29	32	20	19	8	16
68	55	22	29	*	21	19	8	14
68	54	21	29	31	18	18	8	14
68	55	22	29	*	23	19	8	15
67	56	21	[illegible]	*	22	18	9	15

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-15 ACCESS GEAR BOX OIL TEMP DEG.C	5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C
276	46	52	56	67	56	21	29
277	47	12	55	69	56	22	30
278	47	32	55	69	55	21	29
279	47	51	55	68	55	21	29
280	48	11	55	69	55	21	29
281	48	31	57	68	55	21	30
282	48	51	55	69	55	21	29
283	49	11	56	68	55	21	29
284	49	30	55	69	55	21	30
285	49	50	57	70	56	22	30
286	50	10	58	70	56	21	30
287	50	30	58	70	57	22	31
288	50	49	58	70	56	22	31
289	51	9	58	69	56	22	31
290	51	29	56	71	55	22	31
291	51	49	57	70	55	22	31
292	52	8	55	69	55	22	31
293	52	28	57	70	54	21	31
294	52	48	55	70	58	22	31
295	53	7	58	70	56	22	31
296	53	27	56	70	55	22	31
297	53	47	55	69	58	22	31
298	54	7	58	69	56	22	32
299	54	26	56	70	55	22	32
300	54	46	57	70	56	22	32
301	55	6	56	71	55	23	32
302	55	26	58	69	58	25	32
303	55	46	59	70	55	26	30
304	56	5	58	70	57	26	30
305	56	25	59	69	55	27	29
306	56	45	59	68	55	27	30
307	57	4	58	67	55	22	29
308	57	24	55	68	55	21	29
309	*	*	*	*	*	*	*

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5-16 MAIN G.BOX COOLER INLET OIL DEG.C	5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C	5-18 INTER. GEAR BOX OIL TEMP DEG.C	5-19 TAIL GEAR BOX OIL TEMP DEG.C	5-20 GEN.1 MASS TEMP DEG.C	5-21 FUEL TEMP. TO COMBST HEATER DEG.C	5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C	5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C	5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C
67	56	21	29	*	23	18	9	14
69	56	22	30	*	19	18	10	14
69	55	21	29	*	16	19	8	15
68	55	21	29	*	18	18	8	15
69	55	21	29	32	19	18	9	15
68	55	21	30	*	23	19	8	15
69	55	21	29	*	18	18	8	15
68	55	21	29	33	22	18	9	15
69	55	21	30	39	20	19	9	16
70	56	22	30	*	25	19	10	15
70	56	21	30	34	23	18	9	15
70	57	22	31	*	25	19	10	15
70	56	22	31	*	22	19	9	16
69	56	22	31	*	17	19	10	15
71	55	22	31	*	24	20	10	15
70	55	22	31	*	22	19	10	16
69	55	22	31	*	21	20	10	16
70	54	21	31	36	18	19	9	16
70	58	22	31	*	20	19	11	17
70	56	22	31	*	25	19	11	16
70	55	22	31	*	16	19	10	16
69	58	22	31	*	21	19	11	17
69	56	22	32	33	21	19	11	17
70	55	22	32	34	18	19	10	17
70	56	22	32	*	25	18	11	17
71	55	23	32	-54	21	19	11	15
69	58	25	32	*	17	18	10	14
70	55	26	30	31	19	17	9	13
70	57	26	30	36	15	15	9	12
69	55	27	29	37	17	15	8	12
68	55	27	30	37	16	15	8	12
67	55	22	29	*	15	14	8	11
68	55	21	29	39	15	15	8	11
*	*	*	*	*	*	*	*	*

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-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
181	15	33	-4	-7	-7	-13	17
182	15	53	-6	-8	-6	-12	17
183	16	13	-5	-8	-7	-13	17
184	16	32	-5	-8	-6	-12	14
185	16	52	-2	-7	-4	-13	15
186	17	12	-2	-6	-2	-12	16
187	17	32	-2	-7	-1	-12	16
188	17	52	-1	-6	0	-12	17
189	18	11	-0	-4	1	-12	18
190	18	31	0	-4	2	-12	17
191	18	51	1	-4	3	-12	17
192	19	11	2	-4	4	-13	17
193	19	30	2	-4	4	-12	18
194	19	50	3	-3	7	-13	17
195	20	10	5	-3	8	-13	18
196	20	30	4	-2	8	-13	21
197	20	50	4	-2	8	-12	21
198	21	9	4	-2	9	-13	20
199	21	29	5	-2	10	-13	22
200	21	49	6	-0	9	-12	21
201	22	9	5	0	10	-13	22
202	22	29	6	0	11	-12	23
203	22	48	7	0	11	-12	22
204	23	8	8	0	11	-12	25
205	23	28	7	0	11	-13	23
206	23	48	8	0	12	-13	25
207	24	7	9	1	12	-13	25
208	24	27	10	1	12	-14	24
209	24	47	11	2	12	-12	25
210	25	7	9	2	13	-12	25
211	25	27	10	2	13	-13	24
212	25	46	11	3	13	-12	25
213	26	6	11	3	12	-12	25
214	26	26	9	4	13	-12	25
215	26	46	10	4	12	-13	26
216	27	5	10	4	14	-12	25
217	27	25	10	4	14	-12	25
218	27	45	11	4	13	-12	25
219	28	5	11	4	14	-13	24
220	28	25	11	5	14	-12	25
221	28	44	11	5	14	-12	25
222	29	4	12	5	15	-12	25
223	29	24	11	5	14	-12	25
224	29	44	10	6	12	-12	25
225	30	3	12	6	14	-12	25

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-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
226	30	23	12	7	14	-12	27
227	30	43	13	7	15	-12	27
228	31	3	13	7	15	-12	27
229	31	23	14	8	16	-12	27
230	31	42	14	8	15	-12	26
231	32	2	13	8	16	-13	26
232	32	22	13	9	15	-12	27
233	32	42	14	9	15	-12	27
234	33	1	14	11	15	-12	27
235	33	21	14	10	16	-12	25
236	33	41	14	11	17	-12	26
237	34	1	14	9	17	-12	25
238	34	21	15	10	16	-12	28
239	34	40	15	11	16	-13	28
240	35	0	15	11	17	-12	26
241	35	20	16	11	17	-12	26
242	35	40	15	11	16	-12	28
243	36	0	15	11	17	-12	29
244	36	19	17	12	17	-12	28
245	36	39	17	12	17	-12	27
246	36	59	17	12	17	-13	27
247	37	19	15	13	16	-13	29
248	37	38	17	12	17	-12	27
249	37	58	16	13	17	-12	30
250	38	18	16	12	16	-12	30
251	38	38	17	11	15	-12	28
252	38	58	17	13	16	-13	29
253	39	17	17	12	17	-12	28
254	39	37	18	14	17	-12	28
255	39	57	18	14	16	-12	28
256	40	17	17	13	17	-12	29
257	40	36	18	13	16	-12	29
258	40	56	18	14	17	-12	28
259	41	16	18	13	17	-12	28
260	41	36	18	14	17	-13	29
261	41	56	18	14	17	-13	31
262	42	15	18	15	18	-12	29
263	42	35	18	14	18	-12	30
264	42	55	18	14	18	-12	30
265	43	15	18	15	17	-12	29
266	43	35	18	15	17	-11	32
267	43	54	19	15	18	-11	30
268	44	14	19	15	18	-12	31
269	44	34	19	15	18	-12	28
270	44	54	19	15	18	-12	29
271	45	13	21	15	18	-12	29
272	45	33	19	15	18	-12	32
273	45	53	20	16	17	-11	31
274	46	13	18	16	18	-12	32
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

-01 SWEEP COUNT	5-02 TIME MIN.	5-03 TIME SEC.	5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C	5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C	5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C	5-29 GEN.2 MASS TEMP DEG.C
276	46	52	19	16	19	-12	33
277	47	12	21	16	19	-12	31
278	47	32	21	17	19	-12	30
279	47	51	19	17	18	-12	32
280	48	11	19	16	18	-12	32
281	48	31	20	16	18	-12	30
282	48	51	19	16	18	-11	32
283	49	11	20	17	18	-12	33
284	49	30	20	17	18	-12	32
285	49	50	20	17	19	-12	32
286	50	10	20	17	19	-12	33
287	50	30	22	18	19	-12	33
288	50	49	21	18	19	-12	33
289	51	9	20	17	18	-11	33
290	51	29	21	17	18	-11	32
291	51	49	22	18	20	-12	33
292	52	8	21	18	18	-12	32
293	52	28	21	17	18	-12	32
294	52	48	21	18	19	-12	33
295	53	7	22	19	19	-12	32
296	53	27	22	18	19	-12	33
297	53	47	22	18	19	-12	33
298	54	7	21	18	18	-12	32
299	54	26	21	17	18	-12	34
300	54	46	21	16	19	-12	33
301	55	6	19	16	17	-11	33
302	55	26	18	15	17	-12	33
303	55	46	18	15	15	-13	32
304	56	5	19	14	15	-12	34
305	56	25	18	13	14	-12	33
306	56	45	18	14	14	-12	33
307	57	4	18	12	13	-12	36
308	57	24	18	12	12	-12	38
309	*	*	*	*	*	*	*

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CLIMATIC LAB TEST
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-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
181	15	36	-13	-12	-13	-8	-12
182	15	55	-12	-14	-13	-10	-12
183	16	15	-13	-15	-14	-10	-12
184	16	35	-12	-13	-12	-11	-12
185	16	55	-13	-16	-13	-8	-12
186	17	14	-12	-15	-13	-8	-14
187	17	34	-12	-14	-13	-11	-12
188	17	54	-12	-12	-13	-8	-12
189	18	14	-14	-14	-14	-8	-13
190	18	33	-12	-14	-12	-11	-13
191	18	53	-12	-14	-12	-10	-14
192	19	13	-13	-12	-14	-10	-13
193	19	33	-12	-13	-12	-9	-13
194	19	53	-13	-15	-14	-10	-13
195	20	12	-14	-14	-14	-9	-13
196	20	32	-13	-12	-14	-10	-12
197	20	52	-12	-13	-12	-10	-13
198	21	12	-12	-15	-13	-8	-12
199	21	32	-13	-12	-14	-9	-13
200	21	51	-12	-13	-14	-11	-13
201	22	11	-12	-15	-13	-12	-12
202	22	31	-12	-14	-12	-14	-12
203	22	51	-12	-13	-8	-14	-12
204	23	10	-10	-13	-8	-9	-12
205	23	30	-7	-12	-8	-6	-12
206	23	50	-6	-11	-10	-9	-13
207	24	10	-6	-12	-10	-10	-13
208	24	30	-5	-11	-10	-9	-13
209	24	49	-3	-14	-10	-8	-12
210	25	9	-3	-14	-8	-8	-12
211	25	29	-2	-12	-10	-11	-12
212	25	49	-3	-14	-11	-10	-11
213	26	8	-2	-12	-12	-10	-11
214	26	28	-2	-11	-12	-10	-11
215	26	48	0	-12	-11	6	-12
216	27	8	0	-13	-12	-5	-11
217	27	28	0	-13	-11	-6	-11
218	27	47	0	-13	-12	-10	-12
219	28	7	-1	-14	-11	4	-11
220	28	27	0	-13	-12	0	-10
221	28	47	0	-13	-10	0	-11
222	29	7	0	-13	-12	2	-10
223	29	26	1	-11	-11	2	-9
224	29	46	0	-13	-12	0	-10

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6-06 ENG.2 FUEL NTRL LET EMP EG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
-12	-13	-8	-12	-14	-13	-14	-11	-11
-14	-13	-10	-12	-13	-14	-14	-12	-11
-15	-14	-10	-12	-14	-14	-14	-11	-11
-13	-12	-11	-12	-13	-13	-13	-12	-10
-16	-13	-8	-12	-14	-13	-14	-11	-11
-15	-13	-8	-14	-13	-14	-14	-12	-11
-14	-13	-11	-12	-13	-14	-14	-11	-11
-12	-13	-8	-12	-13	-13	-14	-11	-12
-14	-14	-8	-13	-12	-13	-12	-11	-10
-14	-12	-11	-13	-13	-14	-13	-12	-10
-14	-12	-10	-14	-13	-14	-13	-11	-10
-12	-14	-10	-13	-14	-13	-14	-11	-11
-13	-12	-9	-13	-13	-14	-13	-11	-10
-15	-14	-10	-13	-14	-13	-13	-10	-10
-14	-14	-9	-13	-14	-14	-13	-10	-10
-12	-14	-10	-12	-14	-13	-12	-10	-10
-13	-12	-10	-13	-13	-13	-13	-9	-10
-15	-13	-8	-12	-13	-12	-13	-10	-10
-12	-14	-9	-13	-14	-13	-12	-10	-10
-13	-14	-11	-13	-12	-13	-12	-10	-10
-15	-13	-12	-12	-13	-12	-13	-9	-10
-14	-12	-14	-12	-13	-14	-12	-10	-11
-13	-8	-14	-12	-13	-13	-12	-12	-11
-13	-8	-9	-12	-13	-13	-12	-12	-10
-12	-8	-6	-12	-12	-13	-12	-11	-11
-11	-10	-9	-13	-12	-13	-12	-12	-11
-12	-10	-10	-13	-12	-13	-12	-12	-11
-11	-10	-9	-13	-12	-13	-12	-12	-11
-14	-10	-8	-12	-12	-13	-12	-13	-12
-14	-8	-8	-12	-12	-13	-12	-12	-8
-12	-10	-11	-12	-13	-12	-13	-12	-10
-14	-11	-10	-11	-12	-13	-12	-13	-11
-12	-12	-10	-11	-12	-13	-12	-14	-12
-11	-12	-10	-11	-12	-13	-12	-14	-12
-12	-11	6	-12	-12	-12	-13	-13	-14
-13	-12	-5	-11	-11	-13	-12	-12	-13
-13	-11	-6	-11	-12	-13	-12	-12	-12
-13	-12	-10	-12	-11	-12	-12	-12	-8
-14	-11	4	-11	-12	-12	-11	-11	-12
-13	-12	0	-10	-11	-12	-11	-12	-12
-13	-10	0	-11	-10	-12	-11	-11	-10
-13	-12	2	-10	-10	-12	-10	-11	-10
-11	-11	2	-9	-10	-12	-10	-11	-10
-13	-12	0	-10	-10	-12	-10	-10	-10
-12	-9	-7	-10	-10	-12	-10	-9	-8

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-1 ENG. LOR ISOL MN AFTOL DEG.
226	30	26	1	-12	-10	4	-10	-
227	30	45	1	-14	-10	7	-10	-
228	31	5	2	-11	-9	2	-8	-1
229	31	25	2	-12	-11	8	-9	-
230	31	45	2	-12	-11	5	-8	-
231	32	4	1	-10	-12	1	-8	-
232	32	24	3	-12	-10	4	-8	-
233	32	44	2	-14	-10	6	-8	-
234	33	4	2	-12	-11	11	-8	-
235	33	24	2	-11	-10	1	-8	-
236	33	43	2	-10	-12	3	-7	-
237	34	3	1	-13	-11	5	-7	-
238	34	23	3	-11	-10	5	-8	-
239	34	43	3	-12	-11	4	-8	-
240	35	2	3	-12	-12	7	-7	-
241	35	22	1	-10	-12	5	-7	-
242	35	42	2	-12	-9	6	-8	-
243	36	2	2	-14	-9	2	-7	-
244	36	22	3	-10	-10	14	-6	-
245	36	41	3	-11	-10	14	-6	-
246	37	1	2	-10	-11	4	-6	-
247	37	21	2	-12	-10	9	-5	-
248	37	41	1	-11	-12	2	-5	-
249	38	1	3	-10	-10	14	-6	-
250	38	20	3	-10	-9	14	-5	-
251	38	40	2	-13	-10	15	-6	-
252	39	0	2	-12	-11	11	-5	-
253	39	20	1	-10	-12	11	-5	-
254	39	40	3	-11	-10	9	-6	-
255	39	59	4	-11	-10	11	-4	-
256	40	19	3	-10	-10	11	-4	-
257	40	39	2	-10	-11	12	-4	-
258	40	59	3	-11	-9	14	-4	-
259	41	18	3	-10	-10	11	-4	-
260	41	38	2	-10	-10	12	-3	-
261	41	58	4	-12	-9	14	-4	-
262	42	18	2	-10	-11	15	-3	-
263	42	38	3	-10	-9	12	-4	-
264	42	57	3	-13	-8	15	-3	-
265	43	17	4	-10	-8	15	-2	-
266	43	37	4	-10	-10	16	-2	-
267	43	57	5	-10	-10	15	-2	-
268	44	9	5	-11	-9	15	-2	-
269	44	36	3	-10	-8	15	-2	-
270	44	56	4	-8	-8	15	-2	-
271	45	16	4	-8	-11	17	-1	-
272	45	36	5	-8	-10	17	-1	-
273	45	55	5	-8	-10	17	-2	-
274	46	15	5	-8	-10	17	-1	-
275	46	35	5	-10	-9	18		

1730

-06	6-07	6-08	6-09	6-10	6-11	6-12	6-13	6-14
G.2	ENG.1	ENG.1	ENG.1	ENG.1	ENG.2	ENG.2	ENG.1	ENG.1
UEL	BOOST	BLEED	LORD	LORD	LORD	LORD	INLET	INLET
TRL	PUMP	AIR	ISOL.	ISOL.	ISOL.	ISOL.	LIP	LIP
LET	OUTLET	TEMP	MNT	MNT	MNT	MNT	SURF.	SURF.
EMP	TEMP		AFT IN	AFTOUT	AFT IN	AFTOUT	12.00	1.00
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
12	-10	4	-10	-9	-12	-10	-9	-11
14	-10	7	-10	-9	-12	-10	-10	-8
11	-9	2	-8	-10	-12	-10	-8	-10
12	-11	8	-9	-8	-12	-10	-10	-9
12	-11	5	-8	-8	-12	-10	-9	-10
10	-12	1	-8	-8	-11	-10	-9	-10
12	-10	4	-8	-9	-12	-9	-9	-9
14	-10	6	-8	-9	-12	-9	-8	-10
12	-11	11	-8	-8	-12	-10	-8	-8
11	-10	1	-8	-8	-12	-9	-8	-8
10	-12	3	-7	-8	-11	-9	-9	-9
13	-11	5	-7	-8	-11	-9	-8	-10
11	-10	5	-8	-7	-12	-9	-8	-8
12	-11	4	-8	-7	-12	-8	-8	-7
12	-12	7	-7	-8	-11	-8	-8	-8
10	-12	5	-7	-7	-11	-8	-8	-8
12	-9	6	-8	-7	-11	-8	-8	-8
14	-9	2	-7	-6	-12	-9	-8	-8
10	-10	14	-6	-5	-11	-8	-7	-6
11	-10	14	-6	-6	-11	-8	-6	-6
10	-11	4	-6	-6	-11	-8	-6	-7
12	-10	9	-5	-6	-11	-8	-7	-8
11	-12	2	-5	-6	-11	-8	-7	-7
10	-10	14	-6	-5	-11	-8	-6	-8
10	-9	14	-5	-5	-10	-8	-7	-7
13	-10	15	-6	-5	-12	-7	-7	-7
12	-11	11	-5	-6	-10	-8	-7	-7
10	-12	11	-5	-5	-11	-7	-6	-7
11	-10	9	-6	-5	-10	-7	-7	-7
11	-10	11	-4	-5	-11	-7	-6	-8
10	-10	11	-4	-5	-10	-7	-6	-6
10	-11	12	-4	-4	-10	-7	-6	-7
11	-9	14	-4	-4	-11	-6	-5	-7
10	-10	11	-4	-5	-11	-6	-6	-6
10	-10	12	-3	-4	-10	-7	-6	-6
12	-9	14	-4	-4	-11	-7	-6	-7
10	-11	15	-3	-4	-10	-7	-6	-7
10	-9	12	-4	-3	-10	-7	-6	-6
13	-8	15	-3	-3	-10	-7	-6	-6
10	-8	15	-2	-3	-10	-6	-4	-5
10	-10	16	-2	-3	-9	-7	-6	-6
10	-10	15	-2	-3	-10	-6	-5	-6
11	-9	15	-2	-2	-10	-6	-6	-6
10	-8	15	-2	-2	-10	-5	-4	-6
-8	-8	15	-2	-3	-10	-6	-6	-5
-8	-11	17	-1	-2	-9	-6	-6	-4
-8	-10	17	-1	-2	-9	-6	-5	-4
-8	-10	17	-2	-2	-9	-6	-5	-5
-8	-10	17	-1	-2	-10	-6	-5	-6
10	-9	18		-2	-10	-6	-5	-6

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-05 ENG.1 FUEL CONTRL OUTLET TEMP DEG.C	6-06 ENG.2 FUEL CONTRL OUTLET TENP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C
276	46	55	5	-10	-9	18	-2
277	47	14	4	-7	-12	17	-2
278	47	34	6	-8	-10	19	-1
279	47	54	5	-8	-10	18	-1
280	48	14	5	-10	-10	19	-0
281	48	33	4	-10	-8	17	-1
282	48	53	6	-12	-10	19	-0
283	49	13	5	-10	-9	18	-2
284	49	33	4	-8	-7	19	0
285	49	52	5	-8	-7	19	0
286	50	12	7	-8	-8	19	0
287	50	32	6	-9	-8	22	-0
288	50	52	4	-10	-8	23	0
289	51	11	4	-9	-8	23	0
290	51	31	4	-6	-11	24	0
291	51	51	6	-8	-7	25	0
292	52	11	5	-8	-10	27	0
293	52	30	6	-8	-9	28	0
294	52	50	6	-7	-8	28	0
295	53	10	6	-8	-11	30	0
296	53	30	6	-7	-9	29	0
297	53	49	7	-6	-8	30	0
298	54	9	6	-8	-10	32	0
299	54	29	8	-7	-6	33	0
300	54	49	6	-7	-8	33	0
301	55	8	6	-8	-9	34	0
302	55	26	7	-7	-7	34	0
303	55	48	7	-8	-7	35	0
304	56	8	8	-7	-6	36	0
305	56	27	7	-7	-7	37	0
306	56	47	7	-7	-4	37	0
307	57	7	7	-7	-4	37	0
308	57	27	8	-7	-6	39	0
309	*	*	*	*	*	*	*

6-06 ENG.2 FUEL CNTRL OUTLET TEMP DEG.C	6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C	6-08 ENG.1 BLEED AIR TEMP DEG.C	6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C	6-10 ENG.1 LORD ISOL. MNT AFT OUT DEG.C	6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C	6-12 ENG.2 LORD ISOL. MNT AFT OUT DEG.C	6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C	6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C
-10	-9	18	-2	-2	-10	-6	-5	-6
-7	-12	17	-2	-2	-9	-6	-5	-5
-8	-10	19	-1	-2	-9	-6	-5	-4
-8	-10	18	-1	-2	-9	-6	-5	-5
-10	-10	19	-0	-2	-9	-6	-5	-4
-10	-8	17	-1	-0	-9	-6	-5	-5
-12	-10	19	-0	-2	-8	-5	-5	-5
-10	-9	18	-2	-1	-10	-5	-4	-6
-8	-7	19	0	-2	-9	-4	-5	-4
-8	-7	19	0	0	-9	-6	-5	-6
-8	-8	19	0	0	-8	-6	-4	-5
-9	-8	22	-0	0	-8	-5	-4	-5
-10	-8	23	0	0	-8	-5	-4	-5
-9	-8	23	0	0	-9	-5	-4	-5
-6	-11	24	0	0	-8	-4	-4	-4
-8	-7	25	0	0	-8	-5	-4	-4
-8	-10	27	0	0	-8	-5	-5	-5
-8	-9	28	0	0	-8	-6	-4	-4
-7	-8	28	0	0	-8	-5	-4	-5
-8	-11	30	0	0	-8	-6	-5	-5
-7	-9	29	0	0	-8	-5	-4	-4
-6	-8	30	0	0	-8	-5	-4	-4
-8	-10	32	0	0	-8	-5	-4	-4
-7	-6	33	0	0	-8	-5	-4	-4
-7	-8	33	0	0	-8	-5	-4	-4
-8	-9	34	0	0	-8	-4	-2	-3
-7	-7	34	0	0	-9	-5	-2	-3
-8	-7	35	0	0	-8	-6	-2	-3
-7	-6	36	0	0	-8	-6	-0	-2
-7	-7	37	0	0	-8	-5	0	-2
-7	-4	37	0	0	-7	-6	0	-2
-7	-4	37	0	0	-8	-6	0	-2
-7	-6	39	0	0	-7	-6	1	-0
*	*	*	*	*	*	*	*	*

HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
181	15	36	-11	-11	-10	-10	-10
182	15	55	-12	-13	-12	-11	-10
183	16	15	-10	-12	-10	-10	-10
184	16	35	-11	-10	-12	-11	-8
185	16	55	-10	-11	-10	-10	-10
186	17	14	-12	-13	-12	-11	-9
187	17	34	-11	-10	-12	-11	-10
188	17	54	-12	-11	-10	-12	-9
189	18	14	-11	-10	-12	-10	-10
190	18	33	-11	-10	-12	-10	-10
191	18	53	-11	-10	-12	-10	-8
192	19	13	-10	-12	-11	-10	-10
193	19	33	-10	-10	-12	-10	-8
194	19	53	-10	-11	-10	-9	-9
195	20	12	-11	-10	-12	-9	-7
196	20	32	-10	-11	-9	-8	-7
197	20	52	-11	-9	-10	-9	-6
198	21	12	-10	-11	-8	-8	-7
199	21	32	-9	-12	-10	-8	-7
200	21	51	-10	-8	-10	-6	-7
201	22	11	-10	-11	-7	-8	-5
202	22	31	-12	-10	-10	-10	-8
203	22	51	-12	-11	-12	-11	-9
204	23	10	-11	-10	-12	-11	-8
205	23	30	-11	-12	-11	-9	-10
206	23	50	-13	-10	-10	-11	-11
207	24	10	-13	-12	-11	-10	-11
208	24	30	-13	-12	-11	-10	-10
209	24	49	-13	-12	-13	-11	-10
210	25	9	-13	-12	-12	-13	-12
211	25	29	-12	-13	-12	-12	-13
212	25	49	-14	-12	-14	-13	-14
213	26	8	-14	-12	-15	-13	-12
214	26	28	-14	-12	-12	-12	-12
215	26	48	-12	-14	-13	-12	-11
216	27	8	-13	-12	-14	-12	-12
217	27	28	-13	-12	-13	-12	-12
218	27	47	-11	-10	-12	-11	-10
219	28	7	-11	-12	-13	-11	-10
220	28	27	-13	-10	-12	-11	-8
221	28	47	-12	-10	-12	-11	-10
222	29	7	-12	-10	-12	-10	-8
223	29	26	-10	-10	-11	-10	-10
224	29	46	-13	-12	-11	-10	
225	30	6	-12	-10	-10	-8	

HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

6-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
INLET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
SURF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
2.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
-11	-10	-10	-10	-12	-11	-14	-11	-12
-13	-12	-11	-10	-12	-10	-14	-12	-13
-12	-10	-10	-10	-11	-11	-14	-11	-12
-10	-12	-11	-8	-11	-11	-14	-12	-13
-11	-10	-10	-10	-11	-11	-15	-11	-12
-13	-12	-11	-9	-12	-11	-14	-12	-13
-10	-12	-11	-10	-12	-12	-14	-12	-13
-11	-10	-12	-9	-12	-12	-14	-12	-14
-10	-12	-10	-10	-11	-10	-14	-12	-13
-10	-12	-10	-10	-11	-11	-14	-12	-13
-10	-12	-10	-8	-11	-11	-14	-12	-13
-12	-11	-10	-10	-9	-11	-14	-12	-12
-10	-12	-10	-8	-10	-11	-13	-12	-13
-11	-10	-9	-9	-9	-11	-14	-11	-12
-10	-12	-9	-7	-10	-12	-14	-12	-13
-11	-9	-8	-7	-9	-11	-14	-11	-12
-9	-10	-9	-6	-10	-11	-14	-12	-13
-11	-8	-8	-7	-8	-11	-14	-12	-12
-12	-10	-8	-7	-9	-11	-14	-11	-12
-8	-14	-6	-7	-9	-11	-13	-11	-13
-11	-7	-8	-5	-8	-12	-14	-12	-12
-10	-10	-10	-8	-11	-12	-13	-11	-13
-11	-12	-11	-9	-12	-12	-13	-12	-12
-10	-12	-11	-8	-11	-11	-12	-11	-11
-12	-11	-9	-10	-10	-10	-12	-10	-11
-10	-10	-11	-11	-13	-11	-12	-10	-10
-12	-11	-10	-11	-10	-11	-12	-9	-10
-12	-11	-10	-10	-10	-10	-11	-9	-9
-12	-13	-11	-10	-10	-10	-11	-8	-10
-12	-12	-13	-12	-11	-10	-11	-8	-9
-13	-12	-12	-13	-12	-9	-13	-7	-9
-12	-14	-13	-14	-10	-8	-10	-6	-9
-12	-15	-13	-12	-13	-10	-11	-7	-9
-12	-12	-12	-12	-11	-9	-10	-7	-8
-14	-13	-12	-11	-9	-8	-10	-6	-8
-12	-14	-12	-12	-10	-7	-8	-5	-7
-12	-13	-12	-12	-10	-6	-8	-4	-6
-10	-12	-11	-10	-10	-6	-8	-4	-6
-12	-13	-11	-10	-8	-6	-8	-3	-6
-10	-12	-11	-8	-10	-6	-7	-4	-5
-10	-12	-11	-10	-10	-6	-6	-3	-5
-10	-12	-10	-8	-10	-4	-7	-2	-5
-10	-11	-10	-10	-7	-4	-7	-2	-4
-12	-11	-10	-8	-8	-3	-6	-2	-4
-10	-10	-8	-8	-8	-4	-5	-1	-4

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
226	30	26	-8	-10	-10	-8	-7
227	30	45	-11	-10	-10	-8	-7
228	31	5	-10	-9	-8	-9	-7
229	31	25	-9	-11	-10	-9	-7
230	31	45	-9	-11	-8	-9	-7
231	32	4	-10	-8	-11	-8	-8
232	32	24	-1[illegible]	-8	-8	-8	-7
233	32	44	-9	-9	-8	-8	-7
234	33	4	-8	-10	-9	-8	-5
235	33	[illegible]4	-10	-8	-8	-8	-6
236	33	43	-8	-8	-9	-8	-8
237	34	3	-9	-8	-8	-8	-8
238	34	23	-8	-8	-8	-8	-6
239	34	43	-8	-10	-8	-7	-6
240	35	2	-9	-7	-8	-7	-6
241	35	22	-8	-7	-8	-8	-6
242	35	42	-8	-7	-8	-7	-7
243	36	2	-8	-7	-7	-8	-7
244	36	22	-7	-6	-7	-7	-6
245	36	41	-7	-8	-7	-6	-4
246	37	1	-7	-8	-6	-6	-6
247	37	21	-6	-8	-6	-6	-6
248	37	41	-7	-7	-8	-6	-5
249	38	1	-8	-6	-7	-6	-6
250	38	20	-8	-7	-8	-6	-6
251	38	40	-8	-6	-8	-4	-6
252	39	0	-8	-7	-7	-7	-6
253	39	20	-6	-7	-8	-4	-6
254	39	40	-8	-6	-8	-4	-6
255	39	59	-7	-7	-6	-6	-6
256	40	19	-7	-6	-7	-6	-6
257	40	39	-5	-7	-7	-6	-5
258	40	59	-8	-7	-7	-8	-5
259	41	18	-7	-6	-8	-7	-6
260	41	38	-5	-4	-6	-6	-6
261	41	58	-6	-7	-5	-6	-6
262	42	18	-6	-8	-6	-6	-5
263	42	38	-8	-6	-6	-5	-5
264	42	57	-7	-5	-6	-4	-5
265	43	17	-7	-5	-6	-6	-5
266	43	37	-6	-7	-6	-5	-4
267	43	57	-5	-8	-6	-5	-4
268	44	9	-8	-5	-4	-4	-4
269	44	36	-8	-5	-4	-5	-5
270	44	56	-6	-4	-7	-6	-4
271	45	16	-6	-6	-6	-5	-4
272	45	36	-5	-7	-3	-5	-4
273	45	55	-5	-4	-6	-5	-4
274	46	15	-4	-6	-6	-5	-4
275	46	35	-4	-5	-4	-4	-3

6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C	6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C	6-21 ENG.1 COMPRT UPPER FWD AIRTMP DEG.C	6-22 ENG.1 COMPRT LOWER FWD AIRTMP DEG.C	6-23 ENG.1 COMPRT UPPER AFT AIRTMP DEG.C	6-24 ENG.1 COMPRT LOWER AFT AIRTMP DEG.C
-10	-10	-8	-7	-8	-4	-5	-1	-4
-10	-10	-8	-7	-8	-3	-5	0	-3
-9	-8	-9	-7	-8	-4	-4	-1	-3
-11	-10	-9	-7	-7	-2	-6	0	-4
-11	-8	-9	-7	-6	-1	-6	0	-3
-8	-11	-8	-8	-7	-2	-4	0	-2
-8	-8	-8	-7	-7	-2	-5	0	-3
-9	-8	-8	-7	-6	-2	-3	0	-2
-10	-9	-8	-5	-6	-2	-4	0	-2
-8	-8	-8	-6	-8	-2	-3	0	-2
-8	-9	-8	-8	-7	-2	-4	0	-1
-8	-8	-8	-8	-6	-2	-4	0	-2
-8	-8	-8	-6	-7	-2	-3	0	-2
-10	-8	-7	-6	-6	-2	-3	0	-1
-7	-8	-7	-6	-6	-2	-3	0	-1
-7	-8	-8	-6	-6	-1	-3	0	-1
-7	-8	-7	-7	-6	-0	-2	1	-2
-7	-7	-8	-7	-6	0	-3	1	-0
-6	-7	-7	-6	-6	-0	-2	2	0
-8	-7	-6	-4	-5	0	-2	2	0
-8	-6	-6	-6	-5	0	-2	2	-0
-8	-6	-6	-6	-6	-0	-2	2	0
-7	-8	-6	-5	-6	-1	-2	1	-1
-6	-7	-6	-6	-5	-2	-2	0	0
-7	-8	-6	-6	-5	-2	-2	1	0
-6	-8	-4	-6	-5	0	-2	2	0
-7	-7	-7	-6	-6	0	-3	2	0
-7	-8	-4	-6	-6	-0	-2	1	-0
-6	-8	-4	-5	-5	-0	-2	2	0
-7	-6	-6	-6	-3	-0	-2	1	-0
-6	-7	-6	-6	-4	-0	-2	2	-0
-7	-7	-6	-5	-4	-1	-2	3	0
-7	-7	-6	-5	-5	0	-1	2	-0
-6	-8	-7	-6	-6	0	-1	1	0
-4	-6	-6	-6	-5	0	-2	2	0
-7	-5	-6	-6	-5	0	-2	2	0
-8	-6	-6	-5	-5	0	-2	2	0
-6	-6	-5	-5	-4	0	-1	2	0
-5	-6	-4	-5	-4	0	-1	1	0
-5	-6	-6	-5	-5	0	-0	2	1
-7	-6	-5	-4	-3	0	-0	3	1
-8	-6	-5	-4	-4	0	-0	4	0
-5	-4	-4	-4	-4	0	-1	4	1
-5	-4	-5	-5	-4	0	-1	3	0
-4	-7	-6	-4	-4	1	-1	3	1
-6	-6	-5	-4	-4	0	-0	4	1
-7	-3	-5	-4	-4	1	-0	4	1
-4	-6	-5	-4	-4	0	0	3	0
-6	-6	-5	-4	-4	0	-0	4	0
-5	-4	-4	-3	-4	0	0	3	0

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C	6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C	6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C	6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C	6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C
276	46	55	-4	-6	-5	-5	-3
277	47	14	-6	-5	-7	-5	-3
278	47	34	-5	-7	-6	-5	-3
279	47	54	-5	-7	-5	-4	-4
280	48	14	-6	-4	-6	-5	-3
281	48	33	-6	-5	-7	-4	-2
282	48	53	-5	-7	-5	-3	-4
283	49	13	-4	-6	-6	-4	-4
284	49	33	-5	-4	-5	-5	-4
285	49	52	-5	-7	-5	-4	-4
286	50	12	-4	-5	-6	-4	0
287	50	32	-6	-5	-6	-4	-2
288	50	52	-7	-5	-4	-4	-2
289	51	11	-5	-3	-6	-3	-3
290	51	31	-6	-4	-6	-3	-3
291	51	51	-6	-6	-5	-4	-3
292	52	11	-4	-4	-6	-3	-3
293	52	30	-3	-6	-5	-3	-3
294	52	50	-4	-5	-4	-4	-3
295	53	10	-5	-4	-5	-3	-2
296	53	30	-4	-5	-4	-4	-2
297	53	49	-6	-5	-4	-4	-2
298	54	9	-5	-4	-5	-3	-3
299	54	29	-6	-6	-4	-4	-3
300	54	49	-4	-5	-4	-3	-2
301	55	8	-2	-4	-4	-3	0
302	55	28	-5	-3	-4	-2	0
303	55	48	-2	-4	-4	-2	-0
304	56	8	-4	-5	-3	0	0
305	56	27	-3	-5	-2	-2	0
306	56	47	-3	-3	-2	-2	0
307	57	7	-4	-3	-3	-2	0
308	57	27	-1	-4	-2	-1	0
309	*	*	*	*	*	*	*

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-16	6-17	6-18	6-19	6-20	6-21	6-22	6-23	6-24
G.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
LET	INLET	INLET	INLET	INLET	COMPRT	COMPRT	COMPRT	COMPRT
LIP	LIP	LIP	LIP	LIP	UPPER	LOWER	UPPER	LOWER
RF.	SURF.	SURF.	SURF.	SURF.	FWD	FWD	AFT	AFT
.45	3.15	4.00	5.00	6.00	AIRTMP	AIRTMP	AIRTMP	AIRTMP
G.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
-6	-5	-5	-3	-3	0	0	4	1
-5	-7	-5	-3	-4	0	-0	3	1
-7	-6	-5	-3	-3	1	-0	4	1
-7	-5	-4	-4	-3	1	0	4	1
-4	-6	-5	-3	-3	1	-0	4	1
-5	-7	-4	-2	-4	1	0	3	1
-7	-5	-3	-4	-4	0	0	4	1
-6	-6	-4	-4	-3	0	0	3	1
-4	-5	-5	-4	-4	0	0	3	1
-7	-5	-4	-4	-2	1	0	4	1
-5	-6	-4	0	-4	0	0	2	1
-5	-6	-4	-2	-3	0	0	3	1
-5	-4	-4	-2	-4	0	0	3	2
-3	-6	-3	-3	-5	1	0	4	2
-4	-6	-3	-3	-3	2	0	4	2
-6	-5	-4	-3	-3	1	0	4	1
-4	-6	-3	-3	-4	2	0	5	2
-6	-5	-3	-3	-2	2	0	4	1
-5	-4	-4	-3	-2	1	0	5	1
-4	-5	-3	-2	-3	1	0	4	2
-5	-4	-4	-2	0	0	0	5	1
-5	-4	-4	-2	-3	0	0	4	2
-4	-5	-3	-3	-3	2	0	4	2
-6	-4	-4	-3	-2	1	0	5	1
-5	-4	-3	-2	-3	2	1	5	3
-4	-4	-3	0	-2	2	0	9	3
-3	-4	-2	0	0	4	0	21	4
-4	-4	-2	-0	0	15	0	35	4
-5	-3	0	0	0	15	-1	33	4
-5	-2	-2	0	0	18	-1	37	3
-3	-2	-2	0	0	13	-1	25	4
-3	-3	-2	0	0	15	-1	26	4
-4	-2	-1	0	1	33	-0	58	4
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
181	15	36	-12	-13	-14	-15
182	15	55	-14	-13	-16	-14
183	16	15	-14	-14	-14	-15
184	16	35	-14	-13	-16	-13
185	16	55	-12	-14	-14	-14
186	17	14	-14	-13	-16	-14
187	17	34	-14	-14	-15	-14
188	17	54	-15	-13	-12	-14
189	18	14	-14	-12	-15	-13
190	18	33	-14	-13	-16	-14
191	18	53	-14	-13	-15	-14
192	19	13	-15	-14	-13	-15
193	19	33	-14	-13	-15	-13
194	19	53	-13	-16	-14	-14
195	20	12	-14	-13	-16	-13
196	20	32	-13	-16	-13	-12
197	20	52	-14	-13	-14	-14
198	21	12	-15	-14	-14	-14
199	21	32	-14	-15	-13	-14
200	21	51	-14	-14	-15	-14
201	22	11	-12	-13	-12	-15
202	22	31	-8	-13	-8	-14
203	22	51	4	-13	-8	-13
204	23	10	11	-8	-8	-13
205	23	30	12	-4	-6	-11
206	23	50	12	-6	-7	-11
207	24	10	13	1	-7	-12
208	24	30	12	3	-6	-11
209	24	49	12	7	-6	-12
210	25	9	9	10	-6	-11
211	25	29	11	12	-7	-12
212	25	49	9	14	-6	-11
213	26	9	9	17	-8	-11
214	26	29	9	21	-7	-13
215	26	48	10	23	-6	-12
216	27	8	8	27	-7	-11
217	27	28	8	28	-7	-12
218	27	47	8	31	-8	-13
219	28	7	8	33	-6	-12
220	28	27	8	34	-8	-11
221	28	47	8	35	-8	-13
222	29	7	8	37	-8	-13
223	29	26	9	36	-7	-10
224	29	46	9	39	-7	-10
225	30	6	11	38	-7	-11

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
226	30	26	10	39	-6	-12
227	30	45	11	41	-8	-11
228	31	5	9	42	-8	-10
229	31	25	11	40	-6	-10
230	31	45	11	41	-7	-10
231	32	4	9	42	-8	-10
232	32	24	11	42	-7	-11
233	32	44	11	43	-8	-10
234	33	4	11	41	-7	-11
235	33	24	11	43	-8	-10
236	33	43	9	43	-10	-10
237	34	3	11	43	-7	-10
238	34	23	11	43	-7	-11
239	34	43	14	44	-7	-12
240	35	2	12	45	-8	-10
241	35	22	12	45	-8	-10
242	35	42	11	45	-7	-11
243	36	2	11	45	-7	-11
244	36	22	11	45	-8	-10
245	36	41	13	45	-7	-9
246	37	1	13	44	-6	-8
247	37	21	13	44	-7	-8
248	37	41	13	45	-10	-9
249	38	1	14	45	-7	-10
250	38	20	12	46	-8	-10
251	38	40	12	43	-8	-10
252	39	0	14	44	-8	-12
253	39	20	13	45	-8	-9
254	39	40	14	46	-8	-10
255	39	59	14	44	-7	-11
256	40	19	14	45	-7	-11
257	40	39	16	48	-7	-8
258	40	59	14	46	-7	-10
259	41	18	15	45	-8	-9
260	41	38	16	45	-7	-8
261	41	58	15	45	-7	-10
262	42	18	15	47	-7	-8
263	42	38	14	46	-8	-9
264	42	57	15	46	-8	-7
265	43	17	15	47	-8	-8
266	43	37	17	48	-7	-8
267	43	57	16	48	-6	-8
268	44	9	15	46	-7	-10
269	44	36	15	46	-8	-7
270	44	56	15	47	-8	-7
271	45	16	17	47	-7	-7
272	45	36	18	48	-7	-8
273	45	55	17	48	-6	-8
274	46	15	17	48	-7	-8
275	46	35	18	46	-7	-9

-01 SWEEP COUNT	6-02 TIME MIN.	6-03 TIME SEC.	6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C	6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C	6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C	6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C
276	46	55	18	46	-6	-8
277	47	14	17	48	-8	-7
278	47	34	18	48	-6	-8
279	47	54	17	48	-7	-8
280	48	14	17	48	-7	-7
281	48	33	17	48	-8	-7
282	48	53	17	48	-6	-8
283	49	13	18	46	-7	-9
284	49	33	18	48	-7	-7
285	49	52	19	48	-6	-8
286	50	12	18	49	-7	-6
287	50	32	18	46	-7	-7
288	50	52	18	48	-8	-6
289	51	11	18	48	-8	-7
290	51	31	17	48	-7	-6
291	51	51	18	48	-6	-8
292	52	11	20	48	-7	-6
293	52	30	19	48	-6	-7
294	52	50	18	46	-7	-6
295	53	10	19	48	-6	-7
296	53	30	18	48	-7	-9
297	53	49	18	49	-8	-6
298	54	9	19	48	-6	-7
299	54	29	18	46	-6	-8
300	54	49	18	49	-8	-7
301	55	8	20	48	-6	-7
302	55	28	19	50	-8	-6
303	55	48	21	49	-8	-7
304	56	8	22	49	-8	-7
305	56	27	22	46	-7	-7
306	56	47	22	46	-8	-7
307	57	7	22	45	-7	-9
308	57	27	24	44	-6	-7
309	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
181	15	38	-7	-10	-10	-8	-9
182	15	58	-8	-9	-10	-8	-9
183	16	17	-8	-9	-10	-9	-9
184	16	37	-9	-10	-9	-7	-10
185	16	57	-9	-8	-9	-9	-9
186	17	17	-8	-10	-9	-8	-8
187	17	33	-9	-9	-9	-7	-10
188	17	56	-7	-9	-10	-8	-9
189	18	16	-9	-9	-9	-7	-10
190	18	36	-8	-10	-9	-8	-9
191	18	56	-8	-10	-9	-8	-9
192	19	15	-8	-8	-10	-9	-9
193	19	35	-8	-10	-9	-7	-10
194	19	55	-9	-9	-9	-9	-10
195	20	15	-9	-9	-9	-8	-10
196	20	35	-9	-8	-9	-7	-11
197	20	54	-8	-10	-9	-7	-9
198	21	14	-8	-9	-9	-8	-9
199	21	34	-9	-8	-8	-7	-10
200	21	54	-9	-9	-9	-7	-10
201	22	13	-8	-7	-10	-9	-9
202	22	33	-7	-9	-9	-9	-11
203	22	53	-6	-9	-9	-8	-8
204	23	13	-7	-9	-8	-7	0
205	23	33	-7	-6	-7	-7	4
206	23	52	-5	-8	-7	-7	10
207	24	12	-8	-7	-7	-7	15
208	24	32	-9	-6	-7	-7	19
209	24	52	-8	-7	-9	-8	21
210	25	11	-5	-7	-6	-8	26
211	25	31	-6	-4	-8	-7	32
212	25	51	-4	-6	-6	-7	38
213	26	11	-4	-8	-6	-7	43
214	26	31	-2	-5	-6	-5	45
215	26	50	-3	-5	-4	-8	47
216	27	10	-0	-4	-4	-6	47
217	27	30	-0	-4	-4	-5	48
218	27	50	0	-4	-4	-6	49
219	28	10	1	-2	-2	-4	49
220	28	29	1	-3	-3	-2	48
221	28	49	1	-2	-4	-2	49
222	29	9	3	-0	-3	-2	49
223	29	29	3	0	-1	-2	49
224	29	48	4	0	-1	-2	50
225	30	8	3	0	-2	-3	50

Specified by Acme Business Forms, Inc., Cleveland

HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
-10	-10	-8	-9	-10	-8	-10	-10	-9
-9	-10	-8	-9	-10	-9	-10	-10	-9
-9	-10	-9	-9	-10	-10	-9	-10	-10
-10	-9	-7	-10	-10	-8	-9	-11	-8
-8	-9	-9	-9	-9	-10	-9	-10	-10
-10	-9	-8	-8	-10	-9	-10	-10	-9
-9	-9	-7	-10	-10	-8	-10	-12	-8
-9	-10	-8	-9	-11	-9	-8	-10	-9
-9	-9	-7	-10	-12	-8	-10	-9	-9
-10	-9	-8	-9	-10	-9	-10	-10	-9
-10	-9	-8	-9	-10	-9	-10	-10	-8
-8	-10	-9	-9	-9	-10	-9	-10	-9
-10	-9	-7	-10	-10	-9	-10	-10	-9
-9	-9	-9	-10	-9	-9	-9	-9	-9
-9	-9	-8	-10	-10	-9	-9	-10	-9
-8	-9	-7	-11	-9	-8	-9	-7	-10
-10	-9	-7	-9	-10	-9	-9	-10	-9
-9	-9	-8	-9	-10	-9	-9	-10	-9
-8	-8	-7	-10	-9	-8	-9	-9	-8
-9	-9	-7	-10	-11	-9	-9	-8	-9
-7	-10	-9	-9	-10	-9	-9	-10	-9
-9	-9	-9	-11	-10	-9	-3	-9	-8
-9	-9	-8	-8	-7	-9	3	-2	-3
-9	-8	-7	0	-4	-6	9	0	2
-6	-7	-7	4	-3	-4	16	3	4
-8	-7	-7	10	-3	-2	20	3	6
-7	-7	-7	15	-1	-2	24	3	8
-6	-7	-7	19	1	-0	27	3	9
-7	-9	-8	21	0	0	33	16	16
-7	-6	-8	26	0	1	40	22	21
-4	-8	-7	32	0	1	48	29	30
-6	-6	-7	38	-1	1	53	35	37
-8	-6	-7	43	0	3	58	39	45
-5	-6	-5	45	0	3	63	39	42
-5	-4	-8	47	0	4	66	40	35
-4	-4	-6	47	-2	3	68	40	34
-4	-4	-5	48	0	3	69	42	32
-4	-4	-6	49	-0	3	71	43	32
-2	-2	-4	49	-1	4	73	45	34
-3	-3	-2	48	0	5	72	44	35
-2	-4	-2	49	-0	5	72	43	35
-0	-3	-2	49	0	6	74	44	35
0	-1	-2	49	0	8	73	45	40
0	-1	-2	[illegible]	0	8	75	45	42
0	-2	-3	[illegible]	1	9	75	43	43

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C
226	30	28	5	0	0	-4	51
227	30	48	6	0	0	-1	51
228	31	8	6	1	0	-1	51
229	31	27	6	1	0	-2	49
230	31	47	7	1	0	-3	50
231	32	7	8	1	0	-1	52
232	32	27	8	1	0	-3	51
233	32	46	8	2	1	-1	51
234	33	6	10	3	1	-1	51
235	33	26	10	3	0	-3	51
236	33	46	9	4	3	-0	53
237	34	5	9	3	2	0	53
238	34	25	11	4	0	0	53
239	34	45	11	7	3	0	51
240	35	5	13	5	3	0	52
241	35	25	13	5	3	0	53
242	35	44	13	6	4	0	51
243	36	4	13	6	4	0	51
244	36	24	13	7	5	0	53
245	36	44	14	8	5	0	53
246	37	4	14	8	4	0	53
247	37	23	14	8	5	0	53
248	37	43	14	9	6	1	53
249	38	3	15	10	4	0	53
250	38	23	16	8	5	0	54
251	38	41	16	9	5	0	55
252	39	2	16	9	4	0	53
253	39	22	15	9	8	0	53
254	39	42	17	10	4	0	54
255	40	2	17	10	5	0	53
256	40	21	17	10	5	0	53
257	40	41	16	11	7	0	55
258	41	1	17	11	5	0	53
259	41	21	18	10	8	0	55
260	41	41	16	11	7	0	53
261	42	0	19	12	6	0	53
262	42	20	18	11	7	1	53
263	42	40	17	11	6	0	53
264	43	0	19	11	7	0	55
265	43	20	18	11	8	2	53
266	43	39	19	13	9	0	53
267	43	59	19	13	9	0	53
268	44	19	20	13	9	0	55
269	44	39	20	14	9	0	54
270	44	58	20	14	10	1	53
271	45	18	19	13	10	1	53
272	45	38	19	15	10	0	53
273	45	58	19	15	10	0	53
274	46	17	20	14	10	0	54
275	46	37	22	14	10	0	54

1739

06	7-07	7-08	7-09	7-10	7-11	7-13	7-14	7-15
6.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1	ENG.1
NIT	IGNIT	FUEL	LUBE	FUEL	COMPRS	SCAVAG	COMPRS	COMPRS
ITR	EXCITR	CONTRL	PUMP	PUMP	CSE	PUMP	CSE	CSE
KIN	SKIN	CASE	INLET	CASE	STG.2	OUTLET	STG.3	STG.4
BD	OUTBD	TEMP	OIL	TEMP	4.30	OIL	6.00	3.00
.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C	DEG.C
0	0	-4	51	0	9	75	47	44
0	0	-1	51	0	8	75	46	40
1	0	-1	51	0	8	75	47	44
1	0	-2	49	0	10	77	49	47
1	0	-3	50	1	9	77	49	47
1	0	-1	52	0	10	77	48	48
1	0	-3	51	0	10	78	47	48
2	1	-1	51	0	11	78	46	52
3	1	-1	51	0	9	78	47	53
3	0	-3	51	0	10	77	48	51
4	3	-0	53	0	11	78	47	52
3	2	0	53	1	12	78	49	52
4	0	0	53	0	10	76	47	48
7	3	0	51	0	11	79	49	48
5	3	0	52	0	12	78	49	51
5	3	0	53	0	12	78	48	51
6	4	0	51	1	11	79	48	53
6	4	0	51	0	11	79	53	54
7	5	0	53	0	11	81	49	45
8	5	0	53	0	13	79	47	49
8	4	0	53	1	11	79	50	52
8	5	0	53	1	11	80	51	53
9	6	1	53	0	13	79	48	55
10	4	0	53	1	10	81	52	58
8	5	0	54	0	12	82	55	52
9	5	0	55	-0	12	84	57	45
9	4	0	53	0	10	82	54	42
9	8	0	53	0	11	82	45	36
10	4	0	54	0	10	81	45	34
10	5	0	53	1	9	80	48	33
10	5	0	53	1	10	80	50	39
11	7	0	53	1	11	80	51	43
11	5	0	53	1	11	80	53	45
10	8	0	55	0	13	80	53	50
11	7	0	53	1	13	79	53	52
12	6	0	53	1	13	80	54	53
11	7	1	53	0	15	80	54	59
11	6	0	53	1	11	80	53	63
11	7	0	53	0	13	80	53	59
11	8	2	53	0	13	79	53	61
13	9	0	53	1	13	79	54	62
13	9	0	53	2	12	80	56	63
13	9	0	55	1	12	80	55	63
14	9	0	54	0	13	80	53	61
14	10	1	53	0	13	80	54	61
13	10	1	53	1	13	80	55	64
15	10	0	53	1	13	80	55	64
15	10	0	53	1	13	80	55	64
14	10	0	54	1	14	80	56	64
14	10	0	54	1	13	81	55	63

2

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C	7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-1 ENG. FUE PUM CAS TEM DEG.
276	46	57	20	15	9	0	54	1
277	47	17	21	15	11	1	53	1
278	47	36	20	15	11	0	53	1
279	47	56	21	16	11	0	53	1
280	48	16	20	16	11	0	53	1
281	48	36	21	14	10	2	55	0
282	48	56	20	16	11	0	54	1
283	49	15	22	16	11	1	55	0
284	49	35	20	16	12	1	53	1
285	49	55	21	16	11	0	53	1
286	50	15	23	16	11	1	55	0
287	50	34	22	17	11	1	54	1
288	50	54	23	16	13	2	54	0
289	51	14	24	16	13	2	55	1
290	51	33	24	17	13	1	53	1
291	51	53	22	18	13	0	54	2
292	52	13	24	17	13	1	53	1
293	52	33	23	17	13	0	53	2
294	52	52	24	18	12	1	55	1
295	53	12	24	17	13	1	53	1
296	53	32	25	18	14	1	55	1
297	53	52	24	18	12	3	54	1
298	54	11	24	17	13	1	54	1
299	54	31	24	19	14	1	54	1
300	54	51	25	18	12	3	55	1
301	55	11	24	19	15	4	54	1
302	55	30	24	19	15	8	55	1
303	55	50	24	20	15	12	57	1
304	56	10	24	20	15	20	56	1
305	56	30	24	21	15	22	56	1
306	56	49	25	20	15	24	54	1
307	57	9	25	20	15	22	53	1
308	57	29	24	20	16	24	52	1
309	*	*	*	*	*	*	*	*

740

7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C	7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C	7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C	7-09 ENG.1 LUBE PUMP INLET OIL DEG.C	7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C	7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C	7-13 ENG.1 SCAVAG PUMP OUTLET OIL DEG.C	7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C	7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C
15	9	0	54	1	14	80	57	64
15	11	1	53	1	13	82	54	64
15	11	0	53	1	13	80	56	65
16	11	0	53	1	14	80	55	64
16	11	0	53	1	13	80	56	66
14	10	2	55	0	13	79	55	66
16	11	0	54	1	14	80	56	66
16	11	1	55	0	13	81	55	64
15	12	1	53	1	14	80	56	66
16	11	0	53	1	15	81	56	64
16	11	1	55	0	15	82	55	66
17	11	1	54	1	14	82	57	67
16	13	2	54	0	15	81	58	69
16	13	2	55	1	15	82	56	67
17	13	1	53	1	15	82	56	66
18	13	0	54	2	14	82	57	66
17	13	1	53	1	15	80	56	67
17	13	0	53	2	14	80	58	68
18	12	1	55	1	15	82	58	68
17	13	1	53	1	16	81	56	68
18	14	1	55	1	15	82	58	68
18	12	3	54	3	13	81	58	68
17	13	1	54	1	16	80	58	68
19	14	1	54	2	14	82	57	67
18	12	3	55	1	15	81	55	64
19	15	4	54	5	16	79	37	50
19	15	8	55	5	17	76	24	40
20	15	12	57	6	16	72	20	34
20	15	20	56	6	14	72	19	30
21	15	22	56	6	14	71	19	30
20	15	24	54	6	13	69	19	27
20	15	22	53	6	13	66	19	29
20	16	24	52	5	15	65	20	30
*	*	*	*	*	*	*	*	*

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HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C
181	15	38	-9	-10	-9	-10	-8
182	15	58	-8	-10	-10	-10	-9
183	16	17	-9	-9	-9	-8	-6
184	16	37	-8	-10	-9	-10	-9
185	16	57	-9	-9	-8	-9	-7
186	17	17	-8	-10	-9	-10	-8
187	17	33	-9	-10	-9	-10	-8
188	17	56	-8	-10	-9	-8	-9
189	18	16	-8	-10	-8	-10	-8
190	18	36	-8	-10	-7	-10	-10
191	18	56	-8	-10	-5	-10	-9
192	19	15	-9	-9	-5	-9	-7
193	19	35	-9	-10	-4	-9	-9
194	19	55	-10	-9	-4	-9	-8
195	20	15	-9	-10	-4	-8	-8
196	20	35	-10	-9	-3	-9	-6
197	20	54	-8	-8	-4	-10	-8
198	21	14	-8	-9	-4	-8	-7
199	21	34	-10	-9	-6	-9	-7
200	21	54	-10	-11	-6	-9	-7
201	22	13	-8	-9	-5	-9	-8
202	22	33	-8	-8	-7	-8	-8
203	22	53	-4	-5	-8	-7	-5
204	23	13	0	-0	-9	-2	-8
205	23	33	3	0	-7	1	-5
206	23	52	5	1	-8	5	-4
207	24	12	9	3	-7	8	-5
208	24	32	9	3	-8	10	-4
209	24	52	13	9	-9	12	-5
210	25	11	15	16	-9	22	-6
211	25	31	20	21	-12	35	-9
212	25	51	27	27	-9	48	-7
213	26	11	36	33	-10	59	-8
214	26	31	35	33	-9	64	-3
215	26	50	32	36	-8	66	-0
216	27	10	31	37	-9	63	0
217	27	30	28	38	-9	65	1
218	27	50	30	39	-9	66	1
219	28	10	30	42	-8	70	3
220	28	29	33	44	-8	70	2
221	28	49	35	45	-9	71	4
222	29	9	35	47	-9	71	4
223	29	29	37	48	-6	72	5
224	29	48	37	48	-8	74	6
225	30	8	39	50	-7	76	4

HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

7-17 ENG.1 CMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
-10	-9	-10	-8	-7	-10	-9	-6	-9
-10	-10	-10	-9	-8	-10	-10	-6	-8
-9	-9	-8	-8	-9	-9	-10	-7	-8
-10	-9	-10	-9	-8	-10	-9	-6	-9
-9	-8	-9	-7	-8	-9	-9	-7	-8
-10	-9	-10	-8	-7	-10	-8	-7	-9
-10	-9	-10	-8	-7	-10	-9	-7	-9
-10	-9	-8	-9	-8	-9	-10	-6	-9
-10	-8	-10	-8	-7	-10	-9	-7	-9
-10	-7	-10	-10	-8	-8	-10	-6	-10
-10	-5	-10	-9	-8	-10	-10	-6	-9
-9	-5	-9	-7	-8	-10	-9	-7	-8
-10	-4	-9	-9	-8	-9	-10	-6	-8
-9	-4	-9	-8	-7	-11	-9	-7	-8
-10	-4	-8	-8	-7	-10	-10	-7	-9
-9	-3	-9	-6	-7	-9	-9	-8	-8
-8	-4	-10	-8	-8	-8	-10	-7	-10
-9	-4	-8	-7	-8	-8	-10	-8	-9
-9	-6	-9	-7	-7	-10	-8	-7	-9
-11	-6	-9	-7	-6	-10	-8	-7	-9
-9	-5	-9	-8	-9	-8	-9	-9	-7
-8	-7	-8	-8	-3	-4	-4	-6	-5
-5	-8	-7	-5	3	32	24	1	18
-0	-9	-2	-8	10	76	64	8	57
0	-7	1	-5	15	102	108	13	93
1	-8	5	-4	20	116	145	16	124
3	-7	8	-5	24	124	173	20	145
8	-8	10	-4	29	129	195	24	163
9	-9	12	-5	34	171	220	29	178
16	-9	22	-6	41	216	249	37	193
21	-12	35	-9	49	244	278	43	213
27	-9	48	-7	54	253	303	47	236
33	-10	59	-8	59	266	325	50	253
33	-9	64	-3	64	269	343	52	272
36	-8	66	-0	66	270	356	51	282
37	-9	63	0	68	270	365	52	291
38	-9	65	1	70	269	370	53	297
39	-9	66	1	71	270	373	55	305
42	-8	70	3	73	272	377	53	307
44	-8	70	2	74	271	381	53	307
45	-9	71	4	73	273	380	53	315
47	-9	71	4	73	272	382	53	317
48	-6	72	5	75	275	381	52	319
48	-6	74	6	76	274	383	53	318
50	-7	76	4	74	274	383	54	320

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C
226	30	28	40	51	-5	76	6
227	30	48	40	50	-8	78	7
228	31	8	42	51	-5	79	8
229	31	27	43	51	-6	80	8
230	31	47	44	53	-6	80	9
231	32	7	43	53	-7	82	8
232	32	27	42	52	-5	82	7
233	32	46	44	52	-4	81	9
234	33	6	44	50	-5	79	8
235	33	26	45	52	-5	79	8
236	33	46	44	50	-6	78	9
237	34	5	45	49	-6	78	10
238	34	25	45	52	-4	79	8
239	34	45	44	51	-3	79	8
240	35	5	47	53	-6	78	10
241	35	25	47	53	-5	79	10
242	35	44	47	54	-4	80	10
243	36	4	48	55	-4	83	13
244	36	24	47	57	-4	86	9
245	36	44	43	49	-4	82	11
246	37	4	43	51	-3	79	11
247	37	23	45	51	-3	79	11
248	37	43	48	53	-6	80	11
249	38	3	49	54	-4	81	10
250	38	23	51	57	-4	86	9
251	38	41	51	59	-4	89	9
252	39	2	47	56	-4	88	8
253	39	22	37	48	-4	80	8
254	39	42	32	46	-4	71	9
255	40	2	32	48	-4	69	10
256	40	21	37	51	-4	71	9
257	40	41	40	52	-6	75	11
258	41	1	44	55	-4	79	9
259	41	21	47	56	-4	82	10
260	41	41	48	58	-3	85	12
261	42	0	49	56	-3	88	14
262	42	20	53	58	-4	88	15
263	42	40	55	58	-2	91	16
264	43	0	56	58	-4	92	18
265	43	20	55	59	-4	92	20
266	43	39	53	59	-2	92	20
267	43	59	54	58	-1	92	21
268	44	19	56	60	-3	94	19
269	44	39	56	60	-4	94	19
270	44	58	57	58	-4	93	20
271	45	18	57	59	-3	93	21
272	45	38	58	59	-2	94	21
273	45	58	58	59	-2	96	21
274	46	17	58	61	-2	95	22
275	46	37	58	62	-3	96	

1742

7-17 ENG.1 PRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
51	-5	76	6	76	274	384	53	320
50	-8	78	7	78	276	384	55	324
51	-5	79	8	76	274	385	53	322
51	-6	80	8	76	278	386	55	323
53	-6	80	9	77	282	388	54	323
53	-7	82	8	79	280	391	55	324
52	-5	82	7	78	282	392	55	326
52	-4	81	9	78	282	394	55	328
50	-5	79	8	77	282	396	55	330
52	-5	79	8	78	282	396	55	329
50	-6	78	9	78	281	396	55	329
49	-6	78	10	79	281	396	55	328
52	-4	79	8	77	282	397	54	331
51	-3	79	8	79	283	398	55	331
53	-6	78	10	79	285	398	55	329
53	-5	79	10	78	286	399	57	331
54	-4	80	10	79	288	402	54	333
55	-4	83	13	78	296	409	56	338
57	-4	86	9	80	295	418	59	341
49	-4	82	11	81	283	410	57	339
51	-3	79	11	79	282	404	56	335
51	-3	79	11	79	282	401	58	333
53	-6	80	11	80	282	399	57	330
54	-4	81	10	80	295	404	56	321
57	-4	86	9	81	316	425	58	346
59	-4	89	9	82	326	451	58	362
56	-4	88	8	82	313	461	58	369
48	-4	80	8	83	288	444	57	358
46	-4	71	9	80	282	423	57	348
48	-4	69	10	82	282	411	56	333
51	-4	71	9	80	282	403	56	330
52	-6	75	11	79	284	399	57	331
55	-4	79	9	79	284	395	54	331
56	-4	82	10	80	286	395	56	326
58	-3	85	12	81	286	394	57	329
56	-3	88	14	80	288	396	58	329
58	-4	88	15	81	292	403	57	331
58	-2	91	16	78	291	402	56	331
58	-4	92	18	79	292	401	56	331
59	-4	92	20	80	290	402	56	324
59	-2	92	20	80	290	401	57	329
58	-1	92	21	80	291	403	58	329
60	-3	94	19	79	292	404	56	328
60	-4	94	19	80	290	402	56	326
58	-4	93	20	79	291	402	56	328
59	-3	93	21	80	290	401	56	329
59	-2	94	21	80	291	403	57	326
59	-2	96	21	80	291	404	57	327
61	-2	95	22	81	292	404	55	329
62	-3	96		80	292	403	56	330

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C	7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C
276	46	57	58	61	-2	95	22
277	47	17	59	60	-3	96	20
278	47	36	58	61	-3	95	23
279	47	56	58	61	-2	95	21
280	48	16	58	60	-1	96	21
281	48	36	60	62	-2	96	20
282	48	56	58	61	-2	95	23
283	49	15	59	63	-4	96	21
284	49	35	58	61	-1	97	22
285	49	55	59	61	-1	96	22
286	50	15	61	63	-3	96	20
287	50	34	61	63	-2	96	21
288	50	54	62	63	-3	96	22
289	51	14	61	63	-3	96	22
290	51	33	60	63	-2	96	22
291	51	53	59	64	-0	98	22
292	52	13	62	63	-1	96	22
293	52	33	59	63	-2	98	22
294	52	52	61	64	-4	98	24
295	53	12	60	62	-1	97	24
296	53	32	61	64	-2	98	23
297	53	52	62	63	-2	98	22
298	54	11	60	63	-1	98	22
299	54	31	59	64	-2	99	23
300	54	51	59	63	0	98	25
301	55	11	53	52	-1	96	38
302	55	30	40	40	0	82	44
303	55	50	33	33	11	66	34
304	56	10	31	28	10	55	29
305	56	30	27	28	11	48	26
306	56	49	27	26	9	43	26
307	57	9	25	26	11	42	26
308	57	29	24	24	11	39	27
309	*	*	*	*	*	*	*

1743

7-17 ENG.1 MPRS CSE STG.4 6.00 DEG.C	7-18 ENG.1 OIL COOLER AIR INLET DEG.C	7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C	7-22 ENG.1 OIL COOLER AIR OUTLET DEG.C	7-23 ENG.1 OIL COOLER OIL INLET DEG.C	7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C	7-25 ENG.1 POWER TURB CASE 4.00 DEG.C	7-26 ENG.1 OIL COOLER OIL OUTLET DEG.C	7-27 ENG.1 POWER TURB CASE 12.00 DEG.C
61	-2	95	22	82	292	406	56	329
60	-3	96	20	80	288	403	56	328
61	-3	95	23	81	291	405	57	331
61	-2	95	21	81	292	404	56	331
60	-1	96	21	80	292	404	59	333
62	-2	96	20	80	293	404	56	334
61	-2	95	23	81	292	407	58	331
63	-4	96	21	80	293	404	56	334
61	-1	97	22	80	292	405	58	331
61	-1	96	22	81	293	405	57	331
63	-3	96	20	79	294	407	58	331
63	-2	96	21	79	294	406	56	333
63	-3	96	22	80	294	406	56	333
63	-3	96	22	82	294	404	56	335
63	-2	96	22	80	294	407	58	331
64	-0	98	22	82	294	406	58	334
63	-1	96	22	81	295	408	57	334
63	-2	98	22	82	294	408	58	333
64	-4	98	24	80	294	407	56	333
62	-1	97	24	81	295	408	57	330
64	-2	98	23	81	294	407	56	332
63	-2	98	22	80	294	405	58	332
63	-1	98	22	81	294	408	57	332
64	-2	99	23	80	294	407	58	332
63	0	98	25	80	289	404	57	333
52	-1	96	38	79	261	391	62	331
40	0	82	44	76	254	370	65	317
33	11	66	34	73	249	346	64	301
28	10	55	29	69	246	328	66	290
28	11	48	26	66	241	311	64	280
26	9	43	26	64	236	299	63	270
26	11	42	26	63	232	290	63	263
24	11	39	27	64	228	282	62	257
*	*	*	*	*	*	*	*	*

2

HH-53C S/N 68-10354
CLIMATIC LAB TEST
31 JULY 1970
RUN NO. 28 +0 DEG F

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
181	15	38	-8
182	15	58	-9
183	16	17	-9
184	16	37	-8
185	16	57	-9
186	17	17	-8
187	17	33	-7
188	17	56	-9
189	18	16	-7
190	18	36	-9
191	18	56	-8
192	19	15	-9
193	19	35	-9
194	19	55	-8
195	20	15	-9
196	20	35	-7
197	20	54	-9
198	21	14	-9
199	21	34	-8
200	21	54	-8
201	22	13	-9
202	22	33	-8
203	22	53	-8
204	23	13	-6
205	23	33	-5
206	23	52	-4
207	24	12	-2
208	24	32	-0
209	24	52	0
210	25	11	6
211	25	31	12
212	25	51	18
213	26	11	25
214	26	31	31
215	26	50	35
216	27	10	43
217	27	30	49
218	27	50	54
219	28	10	58
220	28	29	63
221	28	49	67
222	29	9	70
223	29	29	74
224	29	48	78
225	30	8	80

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
226	30	28	82
227	30	48	85
228	31	8	87
229	31	27	91
230	31	47	92
231	32	7	94
232	32	27	96
233	32	46	97
234	33	6	98
235	33	26	100
236	33	46	102
237	34	5	102
238	34	25	106
239	34	45	104
240	35	5	107
241	35	25	107
242	35	44	106
243	36	4	107
244	36	24	110
245	36	44	110
246	37	4	111
247	37	23	111
248	37	43	112
249	38	3	112
250	38	23	112
251	38	41	113
252	39	2	112
253	39	22	109
254	39	42	111
255	40	2	111
256	40	21	112
257	40	41	110
258	41	1	111
259	41	21	109
260	41	41	105
261	42	0	101
262	42	20	100
263	42	40	97
264	43	0	98
265	43	20	97
266	43	39	97
267	43	59	97
268	44	19	96
269	44	[illegible]	99
270	44	58	100
271	45	18	100
272	45	38	99
273	45	58	96
274	46	17	96
275	46	37	94

1745

-01 SWEEP COUNT	7-02 TIME MIN.	7-03 TIME SEC.	7-28 ENG.1 T5 HRNESS TEMP DEG.C
276	46	57	92
277	47	17	88
278	47	36	91
279	47	56	90
280	48	16	90
281	48	36	90
282	48	56	91
283	49	15	92
284	49	35	91
285	49	55	92
286	50	15	90
287	50	34	88
288	50	54	87
289	51	14	88
290	51	33	88
291	51	53	87
292	52	13	89
293	52	33	92
294	52	52	93
295	53	12	95
296	53	32	96
297	53	52	98
298	54	11	100
299	54	31	99
300	54	51	101
301	55	11	100
302	55	30	98
303	55	50	97
304	56	10	95
305	56	30	94
306	56	49	92
307	57	9	95
308	57	29	95
309	*	*	*

25 August 1970
Soak time 11/23 hours

Test Synopsis:

This run was taken from the third series of low temperature tests conducted during the climatic laboratory tests. This third series was conducted for landing gear retraction and extension tests. Since the aircraft was resting on jacks, the rotors were not operated for safety reasons.

The soak time is shown as two figures, 11 and 23 hours; the difference between them represents the time it took to change the temperature in the test chamber. Since the aircraft temperature as well as the chamber temperature was constantly decreasing during this time, the larger figure of 23 hours is included, since it represents useful soak time.

This run was chosen to present data showing second stage hydraulic system cooling characteristics at -45°F without rotor operation (the most critical condition).

The second stage hydraulic system was operated for 71 minutes (C/N 12 to 213) without rotor operation. During this time the hydraulic temperature was constantly rising, reaching a high of over 93°C (200°F) at shutdown.

APP starts were made by using the test accumulator in addition to the standard start accumulator. Both accumulators were charged to 3,000 psi for the starts.

Pertinent information.

Engines and rotors were not operated.

Test parameters not connected or not presented.

Box positions 1, 3, 5, 6, 7, 8, test parameters not presented. Only those test parameters pertinent to hydraulic system data (box positions 2 and 4) are presented.

Defective test parameters not presented (unless indicated otherwise).

4-13-Second stage hydraulic system pump outlet temperature.

Event Sheet:

CTR	Event
12	APP - start (both accumulators used at a charge pressure of 3,000 psi in place of the normal cold weather value of 4,000 psi).
12-213	Second stage hydraulic system - pressurized. The second stage hydraulic system was pressurized for 71 minutes without rotor operation.
213	APP - shutdown
215	APP - start (both accumulators used at an initial pressure of 3,000 psi)
220	APP - shutdown
224	End test

RUN 34 -45°F 25AUG 70

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
25 AUG.70
-45 DEG. F. RUN NO.34
TAPE 058 1 FILE

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	1S S C
1	0	6	0	25	
2	0	26	1	15	
3	0	46	1	25	
4	1	6	1	30	
5	1	26	1	10	
6	1	46	1	30	
7	2	6	1	25	
8	2	26	1	10	
9	2	46	1	10	
10	3	6	1	15	
11	3	26	1	20	
12	3	45	1	10	
13	4	5	0	10	
14	4	25	1	25	
15	4	45	1	15	
16	5	5	1	15	
17	5	25	1	10	
18	5	45	1	30	
19	6	5	1	20	
20	6	25	1	15	
21	6	45	1	15	
22	7	4	1	30	
23	7	36	1	15	
24	7	56	1	35	
25	9	28	1	15	
26	9	49	1	30	
27	10	35	2	25	
28	10	56	2	20	
29	12	31	2	30	
30	12	52	2	25	
31	13	28	2	15	
32	13	48	2	30	
33	14	20	2	40	
34	14	41	2	20	
35	15	10	2	15	
36	15	31	2	15	
37	15	50	2	15	
39	16	10	2	15	
40	16	31	2	5	
41	16	51	2	20	

2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCSI (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
0	25	15	1	10	10	14	8
1	15	15	1	25	25	20	4
1	25	10	2	15	5	20	4
1	30	15	1	20	20	14	2
1	10	5	1	15	5	16	6
1	30	0	1	25	5	20	4
1	25	5	1	20	5	16	4
1	10	15	1	20	25	24	4
1	10	5	1	15	20	22	4
1	15	20	1	5	20	14	0
1	20	10	1	5	10	14	0
1	10	20	1	25	15	24	2
0	10	30	32	3044	3110	56	34
1	25	10	30	3030	3085	58	42
1	15	10	14	3095	3110	56	40
1	15	10	31	3020	3070	44	36
1	10	10	31	3030	3080	48	38
1	30	5	32	3050	3090	44	32
1	20	5	30	3030	3055	46	26
1	15	5	30	3020	3055	48	26
1	15	15	31	3020	3070	50	36
1	30	20	27	3060	3050	52	30
1	15	0	29	3020	3055	40	30
1	35	15	29	2995	3065	38	30
1	15	15	30	3025	3050	50	22
1	30	20	31	3020	3070	46	30
2	25	15	30	3020	3055	38	36
2	20	10	42	3060	3020	40	24
2	30	15	35	3060	3030	46	24
2	25	30	27	2995	3060	40	36
2	15	25	37	3065	3025	44	30
2	30	25	24	2965	3025	52	32
2	40	30	29	3025	3025	52	32
2	20	30	32	3020	3030	42	26
2	15	35	31	2995	3035	48	26
2	15	40	31	3045	3020	36	32
2	10	30	35	3025	3015	40	30
2	15	50	31	3015	3020	42	28
2	5	40	28	2945	3000	40	30
2	20	30	31	3040	3025	44	36

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG
41	17	9	2	25	20
42	17	29	2	25	30
43	17	49	2	15	30
44	18	9	1	15	50
45	18	29	2	15	40
46	18	49	2	20	20
47	19	9	2	20	15
48	19	29	2	25	30
49	19	48	2	20	45
50	20	8	2	40	50
51	20	28	2	35	35
52	20	48	2	5	40
53	21	8	2	40	45
54	21	28	2	20	20
55	21	48	2	30	30
56	22	8	2	15	20
57	22	27	2	15	40
58	22	47	2	20	35
59	23	7	2	30	15
60	23	27	2	20	35
61	23	47	2	25	15
62	24	7	2	10	40
63	24	27	2	35	35
64	24	47	2	25	15
65	25	7	2	20	40
66	25	27	2	20	20
67	25	46	2	35	30
68	26	6	2	15	5
69	26	26	2	35	15
70	26	46	2	20	20
71	27	6	1	20	5
72	27	26	2	15	5
73	27	46	2	15	30
74	28	6	2	25	25
75	28	26	2	15	20
76	28	45	2	15	20
77	29	5	2	15	20
78	29	25	2	0	25
79	29	45	1	20	30
80	30	5	2	25	20
81	30	25	2	15	30
82	30	45	2	15	0
83	31	5	2	15	15
84	31	25	2	20	15
85	31	45	2	15	15
86	32	4	2	15	15
87	32	24	2	20	20
88	32	44	2	20	5
89	33	4	2	35	30
90	33	24	2	15	20

TIME	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
	2	5	20	28	2995	3025	38	28
	2	25	30	27	3110	3020	46	26
	2	15	30	32	3110	3015	42	32
	1	15	50	32	3015	3050	46	32
	2	15	40	27	3110	3050	46	30
	2	20	20	33	2995	3020	40	22
	2	20	15	32	2995	3015	44	36
	2	25	30	33	2995	3030	38	26
	2	20	45	32	3030	3050	34	28
	2	40	50	30	3060	3035	34	26
	2	25	35	27	3110	3005	40	36
	2	5	40	33	2995	3020	40	32
	2	40	45	40	3035	3020	44	26
	2	24	20	33	3040	3020	44	34
	2	30	30	33	2995	3010	34	22
	2	15	20	33	2995	3015	56	32
	2	15	40	33	3010	3030	40	26
	2	20	35	32	2995	3010	38	34
	2	30	15	33	3100	3015	46	28
	2	20	35	24	3030	3015	44	28
	2	25	15	33	2995	3005	46	28
	2	10	40	31	2995	3020	48	32
	2	35	35	24	3020	3020	48	36
	2	25	15	38	2960	3015	46	40
	2	20	40	40	3100	3005	40	30
	2	20	20	35	2995	3000	48	28
	2	35	30	38	3030	3030	46	36
	2	15	5	27	3065	3000	44	34
	2	15	15	39	2960	3020	44	26
	2	20	20	37	2995	3005	44	34
	1	20	20	33	3110	3005	48	32
	2	15	5	34	3030	3000	46	36
	2	15	5	24	3030	3020	48	34
	2	25	30	33	3040	3005	42	32
	2	15	25	24	3020	3005	40	30
	2	15	20	40	3110	3005	42	32
	2	15	20	44	3030	3000	48	26
	2	0	20	24	2960	3005	40	36
	1	20	25	38	2990	3000	44	34
	2	20	30	27	3030	2980	40	32
	2	15	20	33	2995	3005	42	28
	2	15	30	24	2995	3000	38	30
	2	15	0	32	2965	3010	40	32
	2	20	15	39	2995	3005	38	36
	2	15	15	22	3020	3005	44	28
	2	15	15	32	2995	3005	46	36
	2	20	20	40	3100	2995	46	32
	2	20	5	33	3010	3010	40	30
	2	35	30	24	3025	3000	42	28
	2	15	20	24	2995	3000	46	34

2

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG
91	33	44	2	40	40
92	34	4	2	25	30
93	34	24	2	15	20
94	34	44	2	20	20
95	35	4	2	20	20
96	35	23	2	20	30
97	35	43	2	15	10
98	36	3	1	20	0
99	36	23	2	15	20
100	36	43	2	30	10
[illegible]	37	3	2	15	20
102	37	23	2	30	10
103	37	43	2	15	15
104	38	3	2	25	15
105	38	23	2	30	15
106	38	42	1	30	20
107	39	2	2	35	5
108	39	22	2	15	5
109	39	42	1	40	20
110	40	2	2	5	20
111	40	22	2	5	5
112	40	42	2	5	20
113	41	2	1	15	5
114	41	22	2	20	15
115	41	42	2	15	20
116	42	2	2	25	15
117	42	21	2	30	5
118	42	41	2	20	15
119	43	1	2	5	0
120	43	21	1	20	10
121	43	41	2	5	0
122	44	1	2	5	20
123	44	21	1	15	5
124	44	41	2	15	5
125	45	1	2	15	10
126	45	21	1	15	0
127	45	40	1	20	5
128	46	0	2	5	5
129	46	20	2	5	5
130	46	40	2	15	35
131	47	0	2	10	20
132	47	20	1	5	0
133	47	40	2	15	0
134	48	0	2	20	5
135	48	20	2	15	0
136	48	40	2	20	5
137	49	0	2	15	5
138	49	20	2	20	20
139	49	40	2	15	15
140	49	59	1	5	0

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2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCSI (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
2	40	40	33	2995	3005	42	26
2	25	30	41	2945	3000	38	26
2	15	20	33	3010	3010	40	36
2	20	20	33	2995	3000	48	28
2	20	20	33	3015	3010	38	30
2	20	30	40	2960	2990	50	26
2	15	10	33	3015	3010	36	32
2	20	0	33	2995	3000	38	28
1	15	20	36	2995	3000	48	34
2	30	10	33	3030	3005	44	34
2	15	20	39	2960	3000	42	32
2	30	10	27	3015	2985	40	32
2	15	15	33	2965	2995	30	28
2	25	15	33	3050	3020	34	32
2	30	15	24	2995	2975	34	22
1	30	20	33	3030	3000	42	28
2	35	5	40	3030	2995	42	28
2	15	5	22	2995	2985	40	26
1	40	20	27	3055	3010	40	26
2	5	20	32	2995	3000	46	28
2	5	5	22	2995	3000	44	34
2	5	20	32	2995	2975	40	32
1	15	5	33	3055	2990	42	32
2	20	15	33	3015	2985	40	34
2	15	20	36	2995	2985	42	30
2	25	15	40	3060	2990	40	26
2	30	5	24	3015	2980	40	28
2	20	15	40	3010	2990	40	32
2	5	0	33	3020	2975	36	34
1	20	10	32	2995	2980	44	26
2	5	0	40	3020	2985	36	34
2	5	20	33	3020	2965	36	30
1	15	5	22	2995	3000	40	32
2	15	5	33	3010	2965	32	30
2	15	10	40	3030	2990	34	32
2	15	0	44	3010	3000	48	28
1	20	5	24	3020	3000	40	30
2	5	5	40	3020	3000	42	26
2	5	5	33	2995	2965	42	28
2	15	25	42	3060	3000	40	26
2	10	20	33	2975	3000	46	30
1	5	0	24	3010	2980	44	32
2	15	0	33	3060	2995	46	32
2	20	5	22	3015	2995	42	26
2	15	0	24	3100	2980	42	32
2	20	5	33	3015	2990	40	28
2	15	5	40	3030	2970	36	32
2	20	20	33	3100	3000	44	26
2	15	15	33	3010	3000	40	28
1	5	0	41	3030	3000	52	26

2

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 ISTAGE HYD. PUMP INLET PRESS PSIG	2-06 ISTAGE HYD. PUMP OUTLET PRESS PSIG	2-0 ISTAG HYD (AF SERV CYL. PSI
141	50	19	2	35	1
142	50	39	2	5	
143	50	59	2	10	2
144	51	19	1	5	
145	51	39	1	15	1
146	51	59	2	15	
147	52	19	2	20	
148	52	39	2	10	
149	52	59	2	15	1
150	53	19	2	15	1
151	53	38	2	15	
152	53	58	2	15	
153	54	18	2	15	
154	54	38	2	5	
155	54	58	2	20	
156	55	18	2	35	1
157	55	38	1	20	2
158	55	58	2	15	
159	56	17	2	15	
160	56	37	2	10	1
161	56	57	2	15	
162	57	17	2	15	
163	57	37	2	10	
164	57	57	2	15	
165	58	17	1	25	
166	58	37	2	5	
167	58	56	1	20	1
168	59	16	2	25	
169	59	36	2	15	
170	59	56	1	20	
171	60	16	2	15	
172	60	36	1	20	1
173	60	56	2	15	
174	61	16	1	15	
175	61	36	2	15	1
176	61	55	1	30	
177	62	15	2	20	2
178	62	35	1	15	
179	62	55	1	10	
180	63	15	2	15	1
181	63	35	2	30	
182	63	55	2	20	1
183	64	15	2	25	
184	64	34	2	15	
185	64	54	2	15	
186	65	14	2	25	
187	65	34	2	20	
188	65	54	2	20	
189	66	14	2	30	1
190	66	34	1	25	1

151

2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
2	35	10	33	3060	2970	34	28
2	5	0	27	3100	2995	40	28
2	10	20	37	3110	2990	44	26
1	5	5	35	3030	3000	48	26
1	15	15	39	3060	2965	30	26
2	15	5	33	2995	3000	42	36
2	20	0	35	3055	3000	44	26
2	10	0	33	2965	3000	52	30
2	15	15	33	2995	2980	42	22
2	15	15	27	3055	3000	44	34
2	15	5	40	3065	2990	40	28
2	15	5	27	3030	2965	40	36
2	15	0	40	3100	3000	40	32
2	5	0	44	3020	2995	40	34
2	20	5	31	2995	3005	42	26
2	35	15	35	3065	3000	34	40
1	20	20	33	3020	2980	50	28
2	15	0	24	2995	3000	40	28
2	15	5	44	3100	2985	34	36
2	10	10	22	2995	3000	40	26
2	15	0	39	3005	2980	44	26
2	15	5	32	3060	3000	40	32
2	10	5	44	3060	2985	44	30
2	15	5	41	3100	3000	46	30
1	25	5	33	3100	2995	36	32
2	5	0	33	3055	2955	42	30
1	20	10	24	3015	2990	48	34
2	25	5	33	3065	2990	50	26
2	15	5	44	3060	2965	42	30
1	20	5	40	3100	2990	34	32
2	15	0	33	3065	2975	44	26
1	20	15	33	3060	2995	40	26
2	15	0	24	2995	2955	48	34
1	15	0	33	3060	3000	40	34
2	15	10	32	2995	2985	40	30
1	30	5	33	3065	2970	48	32
2	20	20	39	2995	2975	46	30
1	15	0	33	3065	3005	48	32
1	10	0	24	2960	3000	44	30
2	15	10	27	3015	2960	42	28
2	30	5	22	2995	3000	40	26
2	20	15	40	2995	3020	46	34
2	25	0	33	3065	2985	46	28
2	15	5	27	3100	2980	40	26
2	15	0	27	3030	2965	46	36
2	25	5	27	3030	2970	42	30
2	20	0	27	3100	2980	42	32
2	20	0	24	3010	2975	40	32
2	30	15	40	3060	2965	46	30
1	25	10	33	3005	3000	36	26

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG
191	66	54	1	15	10
192	67	13	1	30	0
193	67	33	2	35	0
194	67	53	2	20	5
195	68	13	1	30	0
196	68	33	2	20	5
197	68	53	2	20	0
198	69	12	2	30	5
199	69	32	1	15	15
200	69	52	2	15	10
201	70	12	1	15	5
202	70	32	1	25	20
203	70	52	2	15	10
204	71	12	1	10	15
205	71	31	2	20	5
206	71	51	1	15	5
207	72	11	2	25	10
208	72	31	1	40	10
209	72	51	1	30	15
210	73	11	2	5	0
211	73	30	2	15	0
212	73	50	2	30	10
213	74	10	2	25	0
215	76	56	2	30	5
216	77	16	1	30	15
217	77	36	1	20	5
218	77	55	2	35	0
219	78	15	2	20	0
220	78	35	1	5	5
221	78	55	2	30	5
222	79	15	2	15	10
223	79	34	2	15	5
224	79	54	1	35	15

2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS1 (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
1	15	10	40	2960	2995	42	26
1	30	0	44	2960	2980	38	22
2	35	0	34	2965	2965	34	28
2	20	5	27	3065	2970	40	26
1	30	0	40	3100	2990	44	24
2	20	5	31	3055	2990	40	40
2	20	0	33	2995	2975	40	30
2	30	5	33	2995	3000	46	26
1	15	15	40	3030	3000	46	32
2	15	10	41	3100	3000	36	22
1	15	5	41	3100	3000	48	36
1	25	20	31	2965	2965	50	32
2	15	10	33	3055	3000	34	28
1	10	15	41	2995	2990	42	26
2	20	5	39	2995	3000	42	30
1	15	5	34	3055	3000	50	34
2	25	10	24	3100	2975	42	28
1	40	10	28	3030	3000	40	28
1	30	15	40	2995	3000	42	26
2	5	0	28	3030	2975	40	36
2	15	0	24	3030	2970	40	28
2	30	10	33	3100	2970	40	26
2	25	0	35	2995	3000	44	36
2	30	5	1	20	-15	16	8
1	30	15	1	5	-15	12	0
1	20	5	27	2995	3010	40	30
2	35	0	40	3110	3005	42	32
2	20	0	32	3120	3000	40	34
1	5	5	33	3065	3005	44	34
2	30	5	1	15	0	6	2
2	15	10	1	5	-30	16	8
2	15	5	1	20	-20	12	0
1	35	15	0	20	-15	12	2

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
25 AUG.70
-45 DEG. F. RUN NO.34
TAPE 058 1 FILE

CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 ISTAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
1	6	0	25	12	16
2	4	0	30	10	20
3	4	1	15	16	16
4	4	0	50	12	20
5	6	0	25	0	14
6	6	0	15	8	16
7	2	0	30	4	20
8	8	0	35	10	12
9	2	0	25	12	12
10	2	1	50	16	14
11	8	0	40	12	6
12	8	0	25	8	14
13	42	31	3075	10	920
14	52	30	3090	6	1024
15	50	29	3110	16	1074
16	50	28	3110	8	1096
17	52	29	3070	8	1072
18	52	29	3100	12	1048
19	48	27	3015	16	1030
20	44	30	3100	12	1028
21	46	32	3100	14	1040
22	48	32	3105	14	1312
23	62	16	2715	8	1336
24	42	27	3050	12	1332
25	304	29	3005	24	1480
26	44	32	3035	16	1398
27	46	21	2805	22	1368
28	42	32	3105	18	1368
29	98	30	3009	24	1480
30	44	32	3200	26	1420
31	46	20	2795	26	1416
32	48	32	3105	28	1412
33	88	31	3030	36	1474
34	42	32	3105	30	1430
35	42	30	3100	26	1444
36	42	32	3060	26	1440
37	46	31	3075	32	1444
38	42	31	3105	22	1448
39	42	31	3030	28	1446
40	46	31	3110	24	1448

CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
41	42	32	3015	32	1452
42	44	31	3100	28	1454
43	44	32	3200	26	1456
44	44	32	3065	24	1454
45	40	30	2970	26	1452
46	52	31	3100	28	1462
47	46	29	3010	26	1460
48	44	31	3045	26	1460
49	40	28	3100	28	1448
50	44	28	3020	26	1458
51	46	31	3055	26	1462
52	40	31	3060	24	1466
53	40	31	3050	28	1466
54	42	32	3070	24	1462
55	48	31	3100	28	1460
56	42	30	2970	26	1464
57	46	26	3000	22	1464
58	42	31	3040	22	1462
59	46	31	3025	28	1460
60	42	31	3060	26	1462
61	48	31	3070	28	1460
62	38	31	3030	24	1466
63	44	31	2980	26	1462
64	46	31	3100	24	1460
65	42	31	3030	22	1460
66	42	32	3040	24	1464
67	46	31	3030	24	1460
68	42	32	3110	20	1460
69	44	28	3035	28	1462
70	40	32	3015	20	1462
71	42	31	3035	20	1462
72	46	32	3050	20	1462
73	48	31	2995	20	1466
74	42	30	3050	18	1460
75	46	31	3000	14	1468
76	42	31	2985	16	1460
77	44	31	3050	14	1460
78	46	31	3050	20	1466
79	40	31	3015	14	1464
80	42	32	3040	16	1460
81	44	32	3010	20	1460
82	44	31	3005	20	1458
83	42	31	3055	16	1460
84	42	30	3019	14	1464
85	40	31	3000	14	1460
86	38	31	3005	16	1460
87	48	31	3015	14	1454
88	42	31	3019	18	1460
89	46	32	3060	18	1462
90	42	31	3050	10	1462

CN	2-13 UTIL. HYD. AFCS2 (P/P CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
91	42	31	3050	16	1464
92	40	31	3010	14	1462
93	40	31	3055	14	1462
94	40	31	3010	20	1468
95	40	31	2925	14	1460
96	42	30	3030	14	1466
97	42	31	3100	12	1466
98	40	31	3010	10	1462
99	42	31	3055	16	1464
100	46	31	3050	10	1468
101	42	31	3010	10	1460
102	42	32	2990	10	1464
103	44	30	2925	16	1460
104	42	31	3050	14	1460
105	38	31	3050	14	1460
106	44	31	3070	14	1460
107	46	32	3060	14	1462
108	44	31	3015	14	1458
109	40	29	2925	14	1460
110	42	32	3010	12	1462
111	40	31	3050	20	1466
112	42	31	2935	14	1468
113	40	31	3090	16	1462
114	38	32	3050	14	1466
115	40	32	2935	18	1464
116	44	31	3060	20	1454
117	42	30	3100	16	1460
118	40	31	3015	16	1462
119	40	30	3010	10	1460
120	44	30	3000	16	1458
121	44	31	2925	14	1468
122	34	30	3050	6	1462
123	44	31	3030	6	1464
124	48	31	3100	14	1464
125	40	31	3035	14	1462
126	42	29	2935	16	1466
127	40	30	3050	16	1460
128	46	31	3050	8	1462
129	38	31	3100	14	1458
130	42	30	3025	14	1464
131	44	31	3015	16	1468
132	46	31	3035	2	1462
133	46	31	3050	14	1464
134	42	32	3015	14	1466
135	44	31	3035	14	1466
136	40	31	3200	14	1466
137	40	32	2988	12	1470
138	40	31	3005	14	1470
139	48	30	3015	14	1462
140	42	28	3015	16	1472

CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
141	40	29	3070	14	1466
142	38	31	3050	14	1466
143	42	31	3040	16	1466
144	40	31	3040	12	1466
145	40	30	3010	14	1462
146	40	31	3035	10	1468
147	40	30	3000	16	1470
148	40	30	3060	12	1462
149	40	28	3005	16	1466
15[illegible]	42	31	3030	14	1466
151	46	32	2935	14	1466
152	44	31	2975	8	1466
153	34	31	3020	14	1466
154	42	31	3015	10	1468
155	40	31	3040	16	1470
156	42	31	3010	16	1466
157	40	32	3020	16	1470
158	48	30	2915	14	1476
159	44	31	3050	20	1466
160	40	30	3000	12	1468
161	40	32	2975	12	1466
162	42	31	3045	20	1466
163	40	32	3050	14	1468
164	48	31	3100	6	1468
165	40	30	3050	16	1466
166	42	30	3035	14	1468
167	40	31	3025	6	1474
168	40	30	3035	16	1466
169	40	31	3050	10	1466
170	44	31	3005	16	1470
171	48	32	3020	14	1476
172	44	28	3035	14	1468
173	36	31	3040	16	1472
174	40	30	3050	16	1474
175	40	31	3070	16	1466
176	42	30	3050	8	1474
177	40	30	3050	12	1472
178	46	31	3050	6	1476
179	42	31	3050	20	1464
180	44	31	3050	16	1466
181	50	30	2925	14	1470
182	40	30	3000	20	1470
183	42	31	3100	16	1480
184	48	32	3060	8	1462
185	42	30	3015	12	1476
186	40	30	3000	20	1466
187	42	31	3030	6	1474
188	40	31	2920	6	1470
189	40	30	3050	14	1466
190	40	31	3010	14	1472

CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 ISTAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
191	42	28	3005	12	1472
192	40	31	3005	12	1470
193	44	31	3100	10	1466
194	42	28	3100	14	1474
195	40	30	3050	8	1466
196	42	32	2935	14	1466
197	40	31	3035	16	1466
198	44	28	3000	16	1468
199	48	31	3010	16	1468
200	44	30	2925	14	1466
201	42	32	3020	14	1472
202	40	30	3005	16	1476
203	48	31	3050	16	1468
204	40	30	3015	6	1470
205	48	31	3040	12	1468
206	44	31	3040	16	1474
207	48	30	2935	14	1466
208	42	31	3100	16	1472
209	44	32	3000	8	1470
210	44	31	3100	10	1470
211	34	31	3015	8	1468
212	40	31	3010	14	1474
213	44	31	2925	14	1466
215	10	1	-10	6	12
216	16	3	150	10	162
217	42	30	3050	14	1448
218	46	30	2920	14	1448
219	46	31	3100	10	1440
220	44	32	3070	6	1442
221	18	1	0	20	10
222	10	1	0	14	16
223	8	1	-5	12	6
224	20	1	10	6	8

MH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
25 AUG.70
-45 DEG. F. RUN NO.34
TAPE 358 1 FILE

CN	4-02 TIME MIN.	4-03 TIME SEC.	4-04 TEMP REF (0) COUNTS	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F
1	0	11	1	-37	-37
2	0	31	0	-37	-37
3	0	51	0	-39	-36
4	1	11	1	-38	-38
5	1	31	0	-39	-37
6	1	51	2	-38	-38
7	2	11	2	-38	-38
8	2	31	0	-39	-37
9	2	51	3	-38	-37
10	3	11	1	-38	-37
11	3	30	0	-38	-37
12	3	50	1	-37	-35
13	4	10	1	-37	-37
14	4	30	0	-37	-36
15	4	50	3	-40	-37
16	5	10	2	-39	-37
17	5	30	2	-39	-37
18	5	50	0	-37	-36
19	6	10	3	-37	-37
20	6	29	1	-37	-37
21	6	49	2	-38	-36
22	7	9	3	-37	-35
23	7	41	0	-31	-33
24	8	[illegible]	[illegible]	-28	-29
25	9	[illegible]	[illegible]	-13	-13
26	9	56	3	-10	-11
27	10	16	1	-6	-6
28	11	1	4	-5	-5
29	12	16	3	5	7
30	12	57	3	8	10
31	13	37	2	8	11
32	13	53	1	10	12
33	14	25	2	11	14
34	14	45	1	14	17
35	15	15	3	17	18
36	15	35	3	19	19
37	15	55	4	18	20
38	16	15	3	21	21
39	16	35	4	23	22
41	16	54	3	24	23

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4-04 TEMP REF (Q) COUNTS	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
1	-37	-37	-38	-37	-40	-40	-37
0	-37	-37	-37	-36	-39	-40	-39
0	-39	-36	-37	-34	-37	-40	-40
1	-38	-38	-37	-34	-40	-39	-38
0	-39	-37	-37	-35	-40	-40	-39
2	-38	-38	-37	-35	-39	-40	-39
2	-38	-38	-37	-35	-39	-39	-38
0	-39	-37	-37	-36	-38	-40	-40
3	-38	-37	-38	-35	-39	-39	-40
1	-38	-37	-38	-34	-40	-40	-38
0	-38	-37	-38	-35	-38	-40	-39
1	-37	-35	-37	-34	-39	-40	-38
1	-37	-37	-39	-34	-39	-40	-39
0	-37	-36	-37	-35	-40	-40	-39
4	-40	-37	-37	-34	-39	-40	-40
2	-39	-37	-37	-34	-37	-40	-40
2	-39	-37	-38	-34	-38	-40	-39
0	-37	-36	-37	-34	-38	-40	-39
3	-37	-37	-39	-33	-39	-39	-40
1	-37	-37	-39	-32	-40	-39	-38
0	-38	-36	-37	-34	-38	-40	-37
1	-37	-35	-36	-31	-37	-41	-40
0	-31	-33	-34	-22	-37	-40	-40
1	-28	-29	-32	-13	-39	-39	-38
0	-13	-13	-19	7	-37	-40	-39
3	-10	-11	-18	18	-37	-39	-37
1	-5	-6	-19	21	-37	-40	-37
4	-5	-5	-9	23	-37	-37	-40
0	5	7	-4	31	-37	-39	-37
3	8	10	1	36	-37	-37	-35
2	6	11	-2	37	-35	-37	-38
3	10	12	-2	38	-34	-37	-37
2	11	14	5	37	-34	-37	-37
3	14	17	3	42	-36	-35	-35
3	17	18	5	47	-37	-37	-35
3	19	19	8	49	-36	-36	-35
4	18	20	8	48	-34	-36	-34
3	21	21	11	47	-34	-35	-35
4	23	22	12	49	-34	-35	-34
3	24	23	13	51	-36	-36	-35

2

CN	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	CO WN IN SU D
41	17	14	22	
42	17	34	25	
43	17	54	25	
44	18	14	27	
45	18	34	27	
46	18	54	26	
47	19	14	31	
48	19	33	28	
49	19	53	29	
50	20	13	31	
51	20	33	31	
52	20	53	31	
53	21	13	31	
54	21	33	31	
55	21	52	33	
56	22	12	33	
57	22	32	33	
58	22	52	34	
59	23	12	33	
60	23	32	35	
61	23	52	34	
62	24	12	35	
63	24	32	35	
64	24	52	36	
65	25	11	36	
66	25	31	35	
67	25	51	35	
68	26	11	37	
69	26	31	36	
70	26	51	36	
71	27	11	38	
72	27	31	39	
73	27	51	39	
74	28	11	38	
75	28	30	40	
76	28	50	40	
77	29	10	39	
78	29	30	39	
79	29	50	37	
80	30	10	37	
81	30	30	37	
82	30	51	39	
83	31	10	39	
84	31	29	38	
85	31	49	37	
86	32	9	38	
87	32	29	37	
88	32	49	37	
89	33	9	37	
90	33	29	39	

	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
14	22	24	18	51	-34	-36	-34
34	25	26	17	49	-34	-37	-34
34	25	27	17	52	-34	-34	-34
34	27	28	16	50	-34	-37	-34
34	27	31	18	53	-34	-34	-32
34	26	31	20	53	-34	-34	-34
34	31	34	19	53	-32	-32	-32
33	28	35	21	60	-34	-34	-31
33	29	37	19	60	-32	-34	-31
33	31	40	20	63	-32	-32	-31
33	31	43	19	64	-32	-34	-29
33	31	47	20	65	-31	-32	-30
33	31	47	21	66	-31	-34	-31
33	31	49	21	65	-31	-34	-30
32	33	48	22	64	-32	-33	-28
32	33	47	23	66	-30	-33	-27
32	33	47	24	67	-31	-32	-30
32	34	46	26	66	-30	-32	-26
32	33	47	24	69	-31	-32	-27
32	35	50	26	69	-30	-31	-26
32	34	50	26	66	-31	-32	-25
32	35	50	26	69	-30	-31	-27
32	35	52	26	67	-31	-31	-25
32	36	50	26	66	-31	-31	-24
21	36	50	27	69	-29	-32	-25
11	35	49	32	70	-29	-31	-25
11	35	50	28	67	-30	-31	-25
12	37	50	31	65	-29	-31	-24
11	36	51	29	69	-30	-30	-23
11	36	52	29	66	-30	-30	-22
11	38	51	28	66	-29	-31	-24
11	39	50	30	65	-29	-31	-22
11	39	49	30	66	-29	-30	-21
10	38	50	31	65	-28	-30	-22
10	40	50	31	65	-28	-30	-22
10	40	50	30	64	-29	-31	-21
10	39	50	31	66	-28	-30	-20
10	39	50	31	67	-28	-29	-21
10	37	49	31	68	-30	-28	-19
10	37	47	30	59	-28	-30	-20
10	37	49	31	63	-29	-30	-20
10	39	49	31	63	-30	-30	-19
10	39	49	31	66	-28	-30	-17
10	38	47	30	60	-27	-28	-18
10	37	47	29	61	-30	-28	-18
10	38	49	31	63	-28	-29	-17
10	37	47	32	62	-27	-27	-18
10	37	47	31	60	-27	-28	-17
10	37	46	29	61	-26	-28	-16
10	39	48	31	64	-27	-28	-16

CN	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	CO- WN IN SU D
91	33	49	39	
92	34	9	39	
93	34	29	39	
94	34	49	37	
95	35	8	37	
96	35	28	38	
97	35	48	37	
98	36	8	38	
99	36	28	37	
100	36	48	38	
101	37	8	37	
102	37	28	38	
103	37	48	38	
104	38	8	38	
105	38	27	39	
106	38	47	38	
107	39	7	37	
108	39	27	39	
109	39	47	39	
110	40	7	38	
111	40	27	39	
112	40	47	39	
113	41	7	39	
114	41	27	38	
115	41	46	37	
116	42	6	37	
117	42	26	38	
118	42	46	37	
119	43	6	38	
12	43	26	38	
121	43	46	38	
122	44	6	38	
123	44	26	38	
124	44	46	39	
125	45	5	40	
126	45	25	38	
127	45	45	39	
128	46	5	38	
129	46	25	38	
130	46	45	40	
131	47	5	39	
132	47	25	37	
133	47	45	38	
134	48	5	39	
135	48	25	38	
136	48	45	38	
137	49	5	39	
138	49	25	39	
139	49	44	39	
140	50	4	40	

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4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
39	49	31	66	-27	-28	-17
39	49	33	65	-26	-26	-15
39	47	31	60	-26	-26	-15
37	47	31	60	-27	-26	-15
37	47	31	63	-27	-26	-15
38	50	31	65	-27	-26	-15
37	48	32	62	-27	-26	-15
38	47	31	60	-26	-26	-13
37	47	31	61	-26	-28	-13
38	47	32	64	-25	-27	-12
37	45	32	65	-25	-27	-12
38	47	31	62	-25	-26	-12
38	47	33	61	-25	-27	-12
38	47	33	63	-25	-26	-12
39	49	33	62	-24	-26	-12
38	49	31	63	-26	-26	-11
37	48	31	61	-25	-25	-9
39	48	32	62	-25	-27	-10
39	48	31	66	-25	-25	-10
38	47	33	65	-23	-26	-10
39	47	34	62	-23	-25	-9
39	46	33	65	-24	-25	-10
39	48	33	65	-24	-25	-10
38	47	32	65	-22	-23	-10
37	47	32	63	-24	-23	-8
37	48	32	64	-25	-24	-7
38	49	32	63	-25	-24	-6
37	48	34	61	-25	-25	-8
38	47	32	63	-23	-25	-8
38	47	33	63	-24	-24	-4
38	49	33	65	-22	-23	-7
38	48	31	64	-23	-24	-6
38	47	34	63	-22	-22	-5
39	49	34	65	-22	-22	-5
40	49	35	65	-24	-24	-6
38	47	35	64	-22	-22	-4
39	48	34	61	-24	-22	-4
38	48	35	64	-22	-22	-6
38	50	35	67	-21	-22	-4
40	49	35	65	-22	-22	-2
39	47	36	65	-20	-22	-4
37	48	34	64	-22	-22	-3
38	48	35	68	-22	-22	-2
39	49	35	67	-22	-22	-3
38	49	33	67	-21	-20	-4
38	49	33	63	-21	-20	-4
39	50	34	63	-20	-22	-3
39	49	36	67	-22	-20	-2
39	49	35	66	-22	-21	-2
40	49	36	63	-21	-22	-2

CN	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F
141	50	24	40	49
142	50	44	40	49
143	51	4	40	50
144	51	24	39	49
145	51	44	39	50
146	52	4	40	52
147	52	24	40	50
148	52	44	38	50
149	53	3	39	50
150	53	23	40	52
151	53	43	39	50
152	54	3	38	50
153	54	23	39	51
154	54	43	40	50
155	55	3	40	49
156	55	23	41	53
157	55	43	41	50
158	56	2	41	51
159	56	22	39	51
160	56	42	40	51
161	57	2	40	50
162	57	22	41	51
163	57	42	40	51
164	58	2	40	51
165	58	22	40	51
166	58	41	38	50
167	59	1	40	51
168	59	21	40	50
169	59	41	39	51
170	60	1	40	51
171	60	21	40	51
172	60	41	41	51
173	61	1	39	50
174	61	21	39	51
175	61	40	40	51
176	62	0	39	50
177	62	20	40	53
178	62	40	40	51
179	63	0	40	51
180	63	20	40	51
181	63	40	40	52
182	64	0	44	51
183	64	19	40	51
184	64	39	41	51
185	64	59	42	53
186	65	19	42	53
187	65	39	42	53
188	65	59	41	52
189	66	19	42	54
190	66	39	43	53

4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
40	49	36	63	-20	-20	-4
40	49	36	65	-20	-21	-3
40	50	37	62	-22	-22	-2
39	49	37	62	-20	-22	-2
39	50	36	62	-20	-22	-2
40	52	37	64	-21	-20	-1
40	50	38	63	-20	-19	-2
38	50	37	63	-20	-20	-1
39	50	38	60	-19	-21	-2
40	52	40	63	-19	-18	-2
39	50	38	64	-19	-20	1
38	50	38	64	-18	-20	2
39	51	38	65	-18	-20	1
40	50	38	64	-19	-21	-2
40	49	38	65	-20	-19	-1
41	51	38	64	-20	-20	2
41	50	40	64	-21	-20	0
41	51	40	64	-19	-20	1
39	51	41	65	-19	-20	1
40	51	38	66	-20	-20	1
40	50	37	66	-19	-19	0
41	51	38	67	-19	-20	1
40	51	37	66	-18	-19	1
40	51	37	65	-20	-20	1
40	51	40	65	-20	-19	1
38	50	40	65	-16	-18	0
40	51	40	65	-20	-19	0
40	50	40	63	-20	-18	2
39	51	40	64	-20	-18	2
40	51	40	65	-18	-18	2
40	51	40	64	-18	-18	1
41	51	39	64	-18	-17	2
39	50	40	65	-17	-18	3
39	51	39	67	-18	-18	1
40	51	40	64	-18	-17	3
39	50	40	64	-18	-18	3
40	53	41	65	-20	-18	2
40	51	40	65	-18	-18	1
40	51	40	63	-18	-17	2
40	51	40	65	-18	-17	1
40	52	40	66	-18	-17	3
44	51	40	65	-18	-17	1
40	51	40	65	-17	-16	2
41	51	42	68	-17	-16	5
42	53	42	69	-16	-16	3
42	53	42	70	-17	-16	3
42	53	42	67	-17	-16	3
41	52	43	68	-17	-15	3
42	54	42	69	-16	-17	4
43	53	42	68	-18	-15	5

2

CN	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F
191	66	58	43	53
192	67	18	42	55
193	67	38	42	55
194	67	58	43	55
195	68	18	42	53
196	68	38	41	53
197	68	58	40	55
198	69	17	43	55
199	*	35	42	53
200	69	57	43	54
201	70	17	43	54
202	70	37	43	55
203	70	57	44	56
204	71	16	44	56
205	71	36	45	58
206	71	56	43	54
207	72	16	43	54
208	72	36	44	56
209	72	56	42	54
210	73	15	43	55
211	73	35	44	56
212	73	55	44	56
213	74	15	42	54
215	77	1	37	49
216	77	21	37	48
217	77	41	36	48
218	78	0	37	49
219	78	20	37	48
220	78	40	35	48
221	79	0	35	47
222	79	19	35	47
223	79	39	35	47
224	*	*	*	*

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4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
43	53	42	70	-16	-16	4
42	55	44	70	-15	-15	5
42	55	44	68	-18	-17	5
43	55	44	68	-18	-17	5
42	53	44	71	-15	-15	3
41	53	44	70	-15	-15	3
40	55	44	69	-18	-17	5
43	55	44	70	-18	-16	5
42	53	44	71	-17	-15	5
43	54	44	69	-15	-16	5
43	54	44	69	-17	-15	0
43	55	44	71	-17	-15	5
44	56	42	68	-17	-16	5
44	56	44	69	-15	-15	6
45	58	44	68	-15	-14	6
43	54	45	68	-15	-15	5
43	54	45	69	-15	-15	5
44	56	44	71	-16	-15	6
42	54	44	70	-15	-15	5
43	55	44	[illegible]	-15	-14	7
44	56	45	71	-15	-13	6
44	56	45	73	-15	-13	6
42	54	47	69	-15	-13	0
37	49	4[illegible]	59	-13	-13	6
37	48	40	59	-15	-13	6
36	48	40	57	-15	-13	6
37	49	4[illegible]	58	-15	-13	6
37	48	4[illegible]	56	-14	-13	6
35	48	40	56	-13	-15	5
35	47	40	56	-14	-13	6
35	47	40	55	-13	-13	6
35	47	39	55	-13	-13	5
*	*	*	*	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
25 AUG.70
-45 DEG. F. RUN NO.34
TAPE 058 1 FILE

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F
1	-40	*	-39	11	-29	-38
2	-38		-39	11	-28	-40
3	-39		-40	10	-30	-39
4	-40		-39	12	-29	-40
5	-40		-40	11	-29	-40
6	-40		-38	10	-29	-39
7	-40		-37	12	-26	-40
8	-39		-40	10	-27	-38
9	-40		-37	10	-28	-40
10	-40		-39	12	-26	-40
11	-38		-40	11	-27	-40
12	-38		-39	12	-25	-41
13	-37		-37	12	-26	-36
14	-24		-32	11	-25	-34
15	-18		-22	10	-25	-34
16	-15		-9	10	-24	-34
17	-13		0	11	-23	-31
18	-8		11	10	-23	-32
19	-8		22	9	-25	-31
20	-4		32	9	-23	-17
21	3		38	8	-23	-1
22	9		44	8	-22	1
23	12		55	7	-22	-6
24	19		61	8	-22	2
25	57		80	5	-22	6
26	62		84	5	-22	2
27	70		93	5	-22	16
28	73		97	3	-23	19
29	87		108	4	-20	34
30	89		111	3	-19	24
31	93		114	3	-20	33
32	95		117	2	-19	36
33	99		121	2	-20	43
34	102		121	2	-18	37
35	105		124	1	-19	38
36	106		127	1	-18	45
37	109		128	-1	-18	54
38	111		131	1	-18	60
39	111		133	-1	-18	64
40	114		134	1	-15	63

4-15 2STAGE AFCS (CCLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
11	-29	-38	-40	3	-40	-41	-40
11	-28	-40	-4[illegible]	1	-42	-41	-40
10	-30	-39	-4[illegible]	3	-42	-40	-37
12	-29	-40	-4[illegible]	3	-41	-41	-40
11	-28	-40	-40	1	-42	-41	-40
10	-29	-39	-40	2	-40	-42	-39
12	-26	-40	-42	3	-41	-41	-39
10	-27	-38	-41	3	-40	-42	-38
10	-28	-40	-40	5	-41	-41	-40
12	-26	-40	-42	3	-40	-41	-40
11	-27	-40	-41	4	-42	-42	-39
12	-25	-41	-4[illegible]	4	-40	-41	-40
12	-26	-36	-36	4	-39	-41	-40
11	-25	-34	-38	1	-42	-41	-37
10	-25	-34	-2[illegible]	2	-40	-40	-37
10	-24	-34	-1[illegible]	1	-41	-39	-37
11	-23	-31	-1[illegible]	3	-42	-35	-37
10	-23	-32	-12	1	-4[illegible]	-23	-37
9	-25	-31	-9	2	-41	-22	-37
9	-23	-17	-8	1	-40	-15	-32
8	-23	-1	-5	1	-39	-6	-32
8	-22	1	-4	[illegible]	-40	-13	-31
7	-22	-6	2	0	-38	-13	-27
8	-22	2	9	1	-40	-18	-26
5	-22	6	20	-3	-39	-20	-18
5	-22	2	19	-2	-37	-19	-18
5	-22	16	22	-2	-37	-19	-17
3	-23	19	24	-4	-39	-22	-15
4	-20	34	44	-4	-35	-23	-9
3	-19	24	43	-2	-34	-25	-10
3	-20	33	41	-4	-34	-23	-6
2	-19	36	42	-4	-37	-25	-7
2	-20	43	50	-4	-34	-25	-2
2	-18	37	50	-4	-34	-26	-4
1	-19	38	50	-6	-34	-28	-3
1	-18	45	53	-4	-34	-30	-3
-1	-18	54	57	-5	-35	-27	-2
1	-18	60	63	-4	-37	-30	-2
-1	-18	64	67	-5	-37	-27	1
1	-15	63	67	-4	-34	-28	-2

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4- UTI HY PU INL TE DEG
41	116	*	135	-1	-15	6
42	117		136	-2	-15	6
43	118		137	-1	-17	6
44	119		139	-2	-15	6
45	121		143	-2	-16	6
46	123		141	-2	-13	7
47	124		145	-3	-14	7
48	125		144	-2	-12	7
49	127		146	-3	-13	7
50	128		146	-3	-13	7
51	129		148	-1	-12	7
52	130		149	-3	-13	7
53	131		151	-4	-13	7
54	132		151	-4	-13	7
55	133		152	-3	-12	8
56	134		153	-3	-12	8
57	135		154	-4	-10	8
58	135		157	-4	-11	8
59	137		155	-4	-10	8
60	139		157	-4	-11	8
61	140		160	-4	-10	8
62	141		159	-4	-10	8
63	142		160	-4	-11	8
64	143		161	-4	-8	8
65	144		161	-4	-8	9
66	144		163	-4	-8	9
67	144		165	-4	-9	9
68	147		165	-4	-8	9
69	147		164	-4	-9	9
70	147		167	-4	-8	9
71	150		168	-4	-7	9
72	149		167	-5	-6	9
73	149		167	-6	-8	9
74	151		169	-5	-5	10
75	151		170	-5	-8	10
76	153		169	-6	-6	10
77	152		171	-4	-8	10
78	154		173	-5	-7	10
79	153		173	-5	-8	10
80	155		173	-4	-6	10
81	155		173	-6	-6	10
82	155		173	-5	-8	10
83	157		174	-6	-7	10
84	157		175	-5	-6	10
85	157		174	-5	-7	10
86	157		176	-5	-8	10
87	159		177	-5	-7	10
88	157		178	-5	-6	10
89	159		179	-6	-6	10
90	160		177	-5	-7	10

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4-14	4-15	4-16	4-17	4-18	4-19	4-20	4-21	4-22
STAGE HYD. AFT SRVO VL. EG.F	2STAGE AFCS (COLL. /YAW CHAN) DEG.F	2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	UTIL. HYD. PUMP INLET TEMP DEG.F	UTIL. HYD. PUMP OUTLET TEMP DEG.F	UTIL. STAGE AFCS (P/R CHAN) DEG.F	1STAGE ROTARY RUDDER INLET TEMP DEG.F	UTIL. ROTARY RUDDER INLET TEMP DEG.F	HYD. WINCH PUMP SERVO INLET DEG.F
135	-1	-15	62	64	-6	-34	-26	0
136	-2	-15	62	66	-6	-35	-26	2
137	-1	-17	63	68	-6	-37	-27	3
139	-2	-15	66	69	-6	-34	-28	2
143	-2	-16	69	73	-5	-34	-28	3
141	-2	-13	71	74	-6	-33	-26	5
145	-3	-14	73	77	-6	-34	-27	5
144	-2	-12	73	77	-6	-34	-26	5
146	-3	-13	74	79	-6	-34	-27	8
146	-3	-13	76	83	-8	-34	-25	8
148	-1	-12	76	8[illegible]	-6	-34	-25	7
149	-3	-13	75	80	-6	-34	-25	8
151	-4	-13	77	82	-5	-34	-24	10
151	-4	-13	77	83	-6	-34	-24	10
152	-3	-12	85	84	-6	-34	-25	10
153	-3	-12	85	87	-6	-34	-25	10
154	-4	-10	86	89	-7	-34	-22	12
157	-4	-11	87	89	-5	-32	-24	12
155	-4	-10	85	87	-6	-34	-20	14
157	-4	-11	84	9[illegible]	-5	-32	-22	12
160	-4	-10	86	91	-7	-32	-22	15
159	-4	-10	87	91	-7	-34	-22	15
160	-4	-11	87	93	-8	-29	-22	15
161	-4	-8	89	93	-6	-32	-19	16
161	-4	-8	91	94	-7	-34	-19	16
163	-4	-8	93	95	-7	-34	-19	17
165	-4	-8	93	98	-7	-34	-17	19
165	-4	-8	95	98	-6	-31	-16	17
164	-4	-9	95	100	-6	-31	-17	18
167	-4	-8	95	101	-5	-34	-17	19
166	-4	-7	98	101	-6	-32	-15	19
167	-6	-6	99	102	-6	-31	-15	20
167	-6	-8	99	103	-6	-32	-15	19
169	-5	-8	101	105	-4	-34	-13	21
170	-5	-8	101	104	-5	-32	-12	21
169	-6	-6	102	106	-7	-31	-11	23
171	-4	-8	101	107	-6	-31	-12	21
173	-5	-7	104	106	-6	-31	-9	23
173	-5	-8	104	108	-5	-32	-10	22
173	-4	-6	105	107	-8	-31	-9	23
173	-6	-6	105	108	-5	-31	-8	24
173	-5	-8	106	111	-6	-32	-8	22
174	-6	-7	106	109	-6	-31	-6	24
175	-5	-5	107	1[illegible]	-5	-31	-6	25
174	-5	-7	107	111	-5	-32	-6	26
176	-5	-8	109	111	-5	-31	-6	26
177	-5	-7	108	113	-5	-31	-5	25
178	-5	-6	109	113	-5	-31	-2	26
179	-6	-6	109	113	-6	-31	-1	26
177	-5	-7	108	1[illegible]	-5	-31	-3	26

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CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-1 UTIL HYD PUM INLE TEM DEG.
91	160	*	179	-5	-8	110
92	161		179	-7	-6	110
93	162		179	-6	-6	111
94	163		179	-6	-6	113
95	164		179	-5	-7	111
96	163		190	-5	-6	111
97	165		180	-5	-7	111
98	166		180	-6	-5	111
99	169		180	-6	-5	111
100	166		191	-5	-7	111
101	166		182	-5	-6	111
102	167		182	-6	-6	113
103	166		184	-6	-5	113
104	167		183	-5	-6	115
105	168		184	-7	-6	115
106	168		184	-6	-4	115
107	169		184	-6	-5	116
108	169		184	-6	-5	115
109	17[illegible]		186	-6	-4	115
110	171		184	-7	-6	116
111	171		184	-6	-3	115
112	171		187	-6	-4	116
113	171		189	-5	-4	117
114	171		186	-5	-6	116
115	171		187	-5	-4	116
116	173		186	-6	-4	116
117	173		186	-6	-4	115
118	173		186	-6	-3	116
119	173		189	-6	-3	11[illegible]
120	173		187	-5	-4	11
121	173		189	-5	-4	11
122	174		186	-6	-5	11
123	173		188	-5	-4	11
124	173		189	-5	-4	11
125	175		187	-6	-2	11
126	173		190	-5	-4	11
127	175		190	-5	-4	11
128	176		192	-4	-4	11
129	174		191	-5	-6	12
130	176		190	-5	-4	11
131	177		191	-4	-3	12
132	178		192	-6	-4	11
133	178		190	-5	-4	12
134	178		191	-6	-3	11
135	177		192	-5	-4	12
136	178		192	-5	-4	12
137	179		192	-4	-3	12
138	179		193	-5	-4	12
139	179		192	-6	-3	11
140	180		194	-5	-2	12

4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
-5	-8	110	114	-5	-31	-2	28
-7	-6	110	115	-5	-30	1	28
-6	-6	111	113	-6	-30	1	28
-6	-6	113	115	-7	-30	1	29
-5	-7	111	115	-5	-30	1	28
-5	-6	111	117	-5	-30	4	29
-5	-7	111	117	-5	-30	4	29
-6	-5	111	116	-6	-28	3	28
-6	-5	111	115	-4	-28	5	28
-5	-7	111	117	-6	-29	4	32
-5	-6	113	117	-4	-30	5	29
-6	-6	113	118	-5	-27	8	31
-6	-5	113	117	-5	-29	5	29
-5	-6	115	118	-5	-27	8	31
-7	-6	115	118	-5	-27	8	31
-6	-4	115	118	-5	-27	8	31
-6	-5	114	120	-5	-26	9	31
-6	-5	115	121	-5	-26	7	32
-6	-4	115	119	-6	-25	9	31
-7	-6	116	118	-5	-25	8	31
-5	-3	116	119	-4	-27	10	34
-5	-6	117	121	-4	-25	8	33
-5	-4	117	122	-5	-25	11	33
-5	-6	116	122	-4	-25	8	33
-5	-4	116	121	-4	-25	11	32
-6	-4	116	121	-6	-23	10	31
-6	-6	115	120	-4	-23	10	30
-6	-3	118	121	-4	-27	12	34
-6	-3	117	121	-4	-24	10	34
-5	-4	117	123	-5	-25	11	34
-5	-4	117	123	-4	-25	11	33
-6	-5	118	121	-5	-23	13	33
-5	-4	117	122	-4	-24	11	35
-5	-4	117	123	-4	-25	12	33
-6	-2	118	121	-3	-23	12	35
-5	-4	117	124	-4	-24	12	42
-5	-4	119	124	-4	-22	12	42
-4	-4	119	123	-4	-22	13	39
-5	-5	120	125	-4	-24	15	40
-5	-4	119	124	-3	-22	12	39
-4	-3	120	125	-4	-22	15	40
-5	-4	119	126	-3	-23	16	38
-5	-4	120	124	-4	-22	13	38
-6	-3	119	125	-3	-22	16	38
-5	-4	120	124	-4	-22	16	39
-5	-4	120	125	-4	-22	14	39
-4	-3	121	125	-3	-22	15	38
-5	-4	120	124	-3	-22	15	40
-6	-3	119	125	-4	-21	14	40
-6	-2	120	126	-4	-20	16	39

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CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F
141	179	*	194	-5	-4	121
142	180		193	-4	-4	121
143	179		193	-6	-4	120
144	181		193	-6	-4	119
145	181		195	-4	-3	122
146	181		194	-4	-4	120
147	181		195	-4	-3	121
148	181		196	-4	-4	121
149	183		194	-6	-3	121
150	182		195	-4	-2	121
151	182		195	-4	-4	121
152	182		197	-4	-4	121
153	182		197	-2	-4	120
154	184		195	-3	-3	121
155	182		197	-4	-4	121
156	183		197	-4	-4	121
157	184		197	-4	-4	120
158	184		197	-4	-4	120
159	184		197	-3	-4	121
160	184		197	-1	-2	121
161	184		196	-3	-3	122
162	186		196	-3	-4	122
163	186		199	-4	-2	123
164	186		198	-4	-4	121
165	186		200	-4	-3	124
166	184		199	-4	-2	123
167	186		199	-4	-3	123
168	186		200	-4	-3	121
169	186		201	-4	-1	123
170	186		201	-4	-3	123
171	188		199	-3	-2	122
172	186		200	-2	-4	121
173	187		201	-3	-2	123
174	189		201	-3	-2	122
175	188		202	-2	-3	122
176	187		201	-3	-2	123
177	187		200	-4	-2	123
178	189		200	-2	-1	122
179	188		201	-2	-2	121
180	189		200	-2	-1	122
181	191		203	-2	-3	123
182	189		203	-2	-1	125
183	189		203	-4	-3	124
184	188		203	-4	-4	123
185	189		204	-4	-2	123
186	191		203	-1	-3	123
187	191		205	-2	-3	124
188	191		205	-2	-3	123
189	192		204	-3	-2	123
190	191		206	-1	-1	122

14 GE D. FT VO L. .F	4-15 2STAGE AFCS (CCLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
4	-5	-4	121	126	-4	-22	15	40
3	-4	-4	121	125	-4	-22	17	40
3	-6	-4	120	126	-3	-20	16	38
3	-6	-4	119	125	-3	-20	16	38
5	-4	-3	122	125	-3	-21	18	40
4	-4	-4	120	126	-2	-19	16	39
5	-4	-3	121	126	-3	-20	17	41
6	-4	-4	121	127	-3	-18	17	40
4	-6	-3	121	125	-3	-18	17	41
5	-4	-2	121	126	-3	-20	17	41
5	-4	-4	121	127	-2	-19	19	40
7	-4	-4	121	127	-1	-19	17	40
7	-2	-4	120	127	-1	-19	16	39
5	-3	-3	121	126	-3	-20	18	41
7	-4	-4	121	129	-2	-19	18	40
7	-4	-4	121	127	-2	-18	17	40
7	-4	-4	120	127	-3	-19	16	39
7	-4	-4	120	127	-2	-18	16	39
7	-3	-4	121	127	-2	-18	16	38
7	-3	-2	121	127	-2	-18	16	38
8	-3	-3	122	126	-3	-18	17	41
8	-3	-4	122	127	-2	-18	16	39
8	-4	-2	122	127	-2	-17	19	41
8	-4	-4	121	127	-1	-17	18	40
8	-4	-3	124	127	-3	-18	18	40
8	-4	-2	123	127	-2	-18	18	40
8	-4	-3	123	127	-2	-18	18	41
8	-4	-3	121	129	-1	-16	18	40
8	-4	-3	123	129	-1	-18	18	40
8	-4	-3	123	129	-2	-18	19	42
8	-3	-2	122	127	-1	-15	17	41
9	-2	-4	121	126	-1	-18	18	40
9	-3	-2	123	126	-2	-17	19	42
9	-3	-2	122	127	-2	-15	20	41
9	-2	-3	122	128	-1	-18	18	39
9	-3	-2	122	126	-2	-17	19	41
9	-4	-2	123	127	-3	-18	18	41
9	-2	-1	122	127	-2	-17	20	40
9	-2	-2	121	128	-1	-18	18	40
9	-2	-1	122	127	-2	-16	19	39
9	-2	-3	123	128	-1	-16	18	39
9	-2	-1	125	128	-1	-15	17	41
9	-4	-3	124	129	-1	-16	18	40
9	-4	-4	123	129	-1	-18	17	40
9	-4	-2	124	127	-1	-17	18	40
9	-3	-3	123	126	-1	-15	17	39
9	-2	-3	124	129	-1	-17	19	40
9	-2	-3	123	127	-1	-17	18	40
9	-3	-2	123	127	0	-15	20	41
9	-1	-1	122	128	-1	-15	18	39

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CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-1 UTIL HYD PUM INLE TEM DEG.
191	192	*	205	-2	0	12
192	192		206	-1	-2	12
193	193		206	-2	-1	12
194	193		205	-2	-1	12
195	192		206	-2	-2	12
196	193		205	-3	-2	12
197	193		205	-2	-1	12
198	194		205	-2	-1	12
199	192		206	-1	-2	12
200	194		206	-2	-2	12
201	193		207	-1	-2	12
202	195		206	0	-1	12
203	195		207	-2	-1	12
204	195		208	-1	-3	12
205	196		206	0	-1	12
206	195		206	-2	-1	12
207	195		206	-2	0	12
208	195		207	-1	-2	12
209	195		208	0	1	12
210	196		207	0	-1	12
211	195		209	-1	-1	12
212	194		209	-1	-2	12
213	194		208	-1	-2	12
214	193		195	-1	-2	12
216	188		192	0	-4	10
217	184		199	-1	-1	6
218	182		199	-1	-4	6
219	182		199	1	-3	7
220	186		199	-2	-2	8
221	184		190	-1	-3	8
222	182		184	-1	-3	8
223	184		178	0	-3	8
224	*		*	*	*	

4-14	4-15	4-16	4-17	4-18	4-19	4-20	4-21	4-22
GE	2STAGE	2STAGE	UTIL.	UTIL.	UTIL.	1STAGE	UTIL.	HYD.
D.	AFCS	AFCS	HYD.	HYD.	STAGE	ROTARY	ROTARY	WINCH
PT	(COLL.	(PITCH	PUMP	PUMP	AFCS	RUDDER	RUDDER	PUMP
ND	/YAW	/ROLL	INLET	OUTLET	(P/R	INLET	INLET	SERVO
L.	CHAN)	CHAN)	TEMP	TEMP	CHAN)	TEMP	TEMP	INLET
.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F
5	-2	0	125	127	0	-13	20	41
6	-1	-2	121	129	0	-17	18	40
5	-2	-1	122	127	1	-13	20	40
5	-2	-1	122	128	1	-15	20	40
5	-2	-2	124	129	2	-16	19	39
5	-3	-2	123	127	1	-17	19	40
5	-2	-1	122	127	1	-15	20	41
5	-2	-1	122	127	1	-15	20	38
6	-1	-2	123	129	1	-15	18	40
7	-2	-2	123	129	1	-15	20	40
7	-1	-1	123	128	1	-15	20	39
6	0	-1	123	128	1	-13	19	38
7	-2	-1	122	128	1	-14	20	41
8	-1	-1	123	128	2	-15	20	39
6	0	-1	122	129	1	-13	19	38
6	-2	-1	123	128	1	-15	20	40
6	-2	0	125	129	1	-15	20	41
7	-1	-2	123	128	1	-13	20	41
8	0	1	123	129	1	-15	20	41
7	0	-1	125	128	1	-15	20	38
9	-1	-1	123	129	2	-15	20	39
9	-1	-2	124	129	2	-15	20	40
8	-1	-2	124	129	2	-15	19	40
7	-1	-2	120	127	2	-15	15	40
2	0	-4	106	121	1	-15	16	71
1	-1	-1	68	117	3	-15	16	54
1	-1	-4	68	114	3	-15	12	50
3	1	-3	75	108	3	-15	13	45
2	-2	-2	82	104	2	-15	14	47
2	-1	-3	83	101	2	-15	10	46
2	-1	-3	84	98	2	-15	8	46
2	0	-3	82	95	3	-15	8	45
2	*	*	*	*	*	*	*	*

HH-[illegible]C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
25 AUG.70
-45 DEG. F. RUN NO.34
TAPE 058 1 FILE

CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
1	-40	-40	-39
2	-40	-40	-40
3	-40	-40	-41
4	-41	-40	-41
5	-40	-40	-40
6	-40	-40	-40
7	-41	-39	-42
8	-40	-40	-41
9	-41	-39	-40
10	-40	-40	-39
11	-40	-41	-40
12	-40	-40	-40
13	-40	-40	-40
14	-40	-18	-18
15	-41	7	-2
16	-40	17	9
17	-40	23	17
18	-39	25	-5
19	-40	29	3
20	-39	33	10
21	-39	37	10
22	-40	41	10
23	-39	48	16
24	-38	51	22
25	-37	62	48
26	-36	64	53
27	-35	67	59
28	-34	70	62
29	-32	79	71
30	-32	81	74
31	-31	82	76
32	-31	84	77
33	-30	85	78
34	-28	87	80
35	-28	88	81
36	-28	90	83
37	-26	82	81
38	-28	77	77
39	-25	70	77
40	-25	91	77

CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
41	-25	95	78
42	-25	98	81
43	-25	101	86
44	-25	80	87
45	-24	81	81
46	-22	86	81
47	-22	86	84
48	-22	91	87
49	-20	94	86
50	-20	94	89
51	-19	107	91
52	-20	111	93
53	-19	110	98
54	-18	109	101
55	-19	100	97
56	-20	99	95
57	-20	99	96
58	- 8	115	97
59	-17	115	100
60	-18	117	104
61	-18	119	107
62	-17	119	109
63	-16	121	112
64	-16	120	115
65	-15	121	113
66	-17	122	115
67	-16	123	115
68	-15	125	116
69	-16	124	117
70	-17	126	117
71	-15	126	119
72	-14	126	119
73	-15	127	121
74	-15	128	120
75	-16	128	123
76	-15	129	121
77	-14	128	124
78	-14	130	123
79	-14	131	125
80	-15	131	126
81	-14	131	127
82	-15	131	125
83	-16	131	127
84	-17	133	127
85	-17	134	126
86	-15	133	127
87	-16	134	128
88	-15	134	127
89	-15	133	128
90	-19	135	128

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CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 LTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 LTIL. HYD. HEAT EXCH. OUTLET DEG.F
91	-16	135	129
92	-15	135	128
93	-14	135	129
94	-15	135	129
95	-14	135	129
[illegible]	-13	135	129
97	-14	137	130
98	-13	136	131
99	-14	137	131
[illegible]	-14	137	131
[illegible]	-15	137	131
[illegible]	-14	138	133
[illegible]	-15	137	131
[illegible]	-13	139	131
[illegible]	-15	138	133
[illegible]	-13	138	133
[illegible]	-15	139	133
[illegible]	-15	137	133
[illegible]	-13	139	133
[illegible]	-13	139	133
111	-13	139	133
112	-13	141	134
113	-13	140	133
[illegible]	-13	141	133
[illegible]	-13	141	135
[illegible]	-13	140	135
[illegible]	-13	140	135
[illegible]	-13	140	133
[illegible]	-13	139	135
[illegible]	-13	141	135
121	-14	141	135
122	-13	140	133
123	-11	140	137
124	-14	141	135
[illegible]	-14	141	135
[illegible]	-13	142	135
[illegible]	-13	141	136
[illegible]	-13	141	135
129	-13	140	135
[illegible]	-13	141	137
[illegible]	-13	140	135
132	-13	141	137
133	-13	141	137
134	-14	141	136
135	-13	140	137
136	-14	140	137
137	-15	142	136
138	-14	140	137
139	-13	141	137
141	-13	141	136

CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
141	-15	143	137
142	-13	141	139
143	-13	142	137
144	-13	141	137
145	-14	142	136
146	-13	143	137
147	-13	143	138
148	-13	143	137
149	-13	143	137
150	-13	145	137
151	-13	144	137
152	-12	144	138
153	-13	144	137
154	-14	142	139
155	-13	143	139
156	-12	144	137
157	-13	143	137
158	-13	143	137
159	-13	143	139
160	-13	144	137
161	-13	145	136
162	-13	144	137
163	-13	143	139
164	-13	144	139
165	-13	144	139
166	-12	144	138
167	-15	145	138
168	-13	144	139
169	-12	144	141
170	-13	145	138
171	-13	144	139
172	-12	144	139
173	-11	145	139
174	-11	145	139
175	-12	144	140
176	-13	145	138
177	-13	145	139
178	-13	145	139
179	-14	144	139
180	-13	144	137
181	-13	144	139
182	-11	146	139
183	-12	144	141
184	-13	144	137
185	-12	144	139
186	-13	144	139
187	-13	144	139
188	-13	145	139
189	-13	146	139
190	-13	145	141

GN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH- INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
191	-13	146	140
192	-12	144	140
193	-11	145	140
194	-12	146	139
195	-12	147	141
196	-12	145	139
197	-10	146	139
198	-11	146	139
199	-12	144	139
200	-13	146	139
201	-13	145	140
202	-13	146	140
203	-13	146	139
204	-12	146	140
205	-13	146	140
206	-13	146	139
207	-13	145	139
208	-11	146	139
209	-13	146	139
210	-13	146	140
211	-12	147	141
212	-13	146	141
213	-14	147	141
214	-15	141	137
215	-17	138	135
216	-16	136	133
217	-14	136	134
218	-13	133	131
219	-15	131	131
220	-15	130	130
221	-16	127	127
222	-15	125	125
223	*	*	*
224			

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RUN 35, -65°F, Heater Test and Second Stage Hydraulic System Cooling,
26 August 1970
Soak time 10 hours

RUN 35 -65°F 26 AUG 70

Test Synopsis:

This run is taken from the third series of low temperature tests conducted during the climatic laboratory tests. This third series was conducted for landing gear retraction and extension tests. Since the aircraft was resting on jacks the rotors were not operated for safety reasons.

This run is presented to substantiate the -65°F heater data shown in the climatic laboratory test report (reference 3) and to present data showing second stage hydraulic system cooling characteristics at -65°F without rotor operation (the most critical condition).

The second stage hydraulic system was operated for 24 minutes without rotor operation (C/N 67 to C/N 127).

APP starts were made by using the test accumulator in addition to the standard start accumulator. Both accumulators were charged to 4,000 psi for the starts. During the subsequent run 36, APP starts were made at the more desirable pressure of 3,000 psi.

Pertinent information.

Engines and rotors were not operated.

The litters were removed from the cargo compartment previous to this run.

Test parameters not connected or not presented.

Box positions 1, 6, 7, 8, engine and rotor data not presented, since engines and rotors were not operated.

2-18-Main wheel brake return hydraulic pressure (not connected).

2-19 through 2-26-Heater output airflow differential pressure (not presented).

5-1, 5-5 through 5-21-Engine and gearbox data not presented, since they were not operated.

Defective test parameters not presented (unless indicated otherwise

4-13-Second stage hydraulic system pump outlet temperature.

Event Sheet:

CTR	Event
	NOTE: High temperature reading at heater combustion air inlet (parameter 3-05) is indicated in the data during the initial portion of the run. This was apparently due to heat from a personnel heater used for applying heat to maintenance personnel on top of the aircraft.
32	APP - start
35	APP inadvertent shutdown - due to the inadvertent APP shutdown, there was a 14-minute loss of instrumentation data at this point.
X	Heater - ON, CABIN SELECT. External power used as power source

CTR	Event
36	Instrumentation - restarted after 9 minutes of heater operation.
48	APP - start abort due to frozen "speed" switch.
62	Doors - closed
67	APP - start after heat applied to "speed" switch.
67-127	Second stage hydraulic system - pressurized for 24 minutes without rotor operation.
84-96	Landing gear - extension and retraction tests conducted
86	External power - OFF
121	Heater - OFF
125	APP - OFF
130	End test

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
20 AUG.70
-65 DEG. F. RUN NO.35
TAPE 297 1 FILE

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2- 1STA HY (SER CYL PS
1	0	5	0	0	
2	0	25	1	0	
3	0	45	1	0	
4	1	5	1	-10	
5	1	25	1	-15	
6	1	45	1	0	
7	2	5	1	0	
8	2	26	1	0	
9	2	46	1	-10	
10	3	6	1	0	
11	3	26	1	0	
12	3	46	1	0	
13	4	6	1	0	
14	4	26	1	0	
15	4	46	0	-20	
16	5	6	0	-9	
17	5	26	0	-15	
18	5	47	-1	0	
20	10	7	-1	-15	
21	10	26	-1	-15	
22	10	46	-1	0	
23	11	6	-1	0	
24	11	26	0	-15	
25	11	46	0	-10	
26	12	6	0	-9	
27	12	26	-1	0	
29	12	46	-1	-15	
29	13	6	-1	-25	
30	13	27	-1	0	
31	13	46	0	-25	
32	14	5	-1	-10	
33	14	26	-1	-20	
34	14	46	-1	-5	
35	15	9	-1	0	
36	30	10	0	-25	
40	29	31	0	-25	
42	30	31	0	0	
43	30	31	0	0	
44	30	51	0	-25	
45	31	11	0	-25	

SLL1

33	2-05	2-06	2-07	2-08	2-09	2-10	2-11	2-12
ME	1STAGE HYD. PUMP INLET PRESS PSIG	1STAGE HYD. PUMP OUTLET PRESS PSIG	1STAGE HYD. (AFT SERVO CYL.) PSIG	2STAGE HYD. PUMP INLET PRESS PSIG	2STAGE HYD. PUMP OUTLET PRESS PSIG	2STAGE HYD. (AFT SERVO CYL.) PSIG	2STAGE AFCS1 (PITCH /ROLL CHAN) PSIG	2STAGE AFCS (COLL. /YAW CHAN) PSIG
5	0	0	5	-3	5	50	4	-10
5	1	0	-15	-3	0	50	0	-10
5	1	0	5	-3	10	50	2	-10
5	1	-10	0	-3	5	50	4	-10
5	1	-15	5	-3	0	35	0	-4
5	1	0	10	-3	0	50	2	-8
5	1	0	5	-3	0	50	4	-8
5	1	0	5	-2	0	40	2	-6
5	1	-10	0	-3	5	40	4	-8
5	1	0	0	-3	-10	50	2	-10
5	1	0	5	-3	10	35	2	0
5	1	0	0	-3	5	40	8	-10
5	1	0	0	-3	0	25	0	0
5	1	0	0	-3	5	40	8	-10
5	0	-20	0	0	255	265	2	0
5	0	-5	-15	-1	65	120	0	-2
5	0	-15	-15	-2	10	70	2	0
5	-1	0	10	-2	0	5	4	0
5	0	-15	0	-3	0	0	4	0
5	-1	-15	0	-2	0	5	4	-10
5	-1	0	0	-2	0	0	6	-6
5	-1	0	0	-3	0	5	2	0
5	0	-15	5	-3	-10	10	4	0
5	0	-10	0	-2	0	5	2	-4
5	0	-5	0	-2	-5	0	4	-6
5	-1	0	-10	-3	-15	5	0	2
5	-1	-25	0	-3	0	0	4	-4
5	-1	-20	5	-3	0	15	0	0
5	-1	0	0	-2	0	0	2	2
5	0	-25	0	-2	-5	5	4	-2
5	-1	-10	0	29	3045	3070	46	32
5	-1	-20	0	27	3005	3050	40	26
5	-1	-5	5	32	3065	3045	40	32
5	-1	0	0	25	3065	3060	42	28
5	0	-25	0	-1	5	-15	4	-4
5	0	-25	10	-1	0	0	2	-4
5	0	0	10	-1	-15	0	8	0
5	0	0	10	-1	0	0	4	0
5	0	-25	20	-1	0	-10	2	0
5	0	-25	10	-1	5	-20	0	0

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-0 1STAG HYD (AF SERV CYL. PSI
46	31	31	0	-10	2(
47	31	51	0	0	1
48	32	11	-1	-5	1
49	32	32	*	*	
51	33	12	0	-20	
52	33	32	-1	10	2
53	33	52	0	-15	1
54	34	12	-1	-10	1
55	34	32	-1	-10	1
56	34	52	0	5	
58	37	57	0	0	1
59	40	38	0	0	2
60	43	20	0	0	1
61	46	1	0	5	5
62	48	43	1	5	5
64	51	13	1	10	3
65	51	33	1	0	3
66	51	53	1	15	2
67	52	14	1	25	2
68	52	34	1	20	1
69	52	54	1	10	
70	53	15	1	15	1
71	53	35	1	20	2
72	53	55	1	10	2
73	54	15	1	0	1
74	54	36	1	0	1
75	54	56	1	5	2
76	55	16	1	-5	2
77	55	37	1	10	2
78	55	57	1	0	
79	56	17	1	0	2
80	56	38	1	-5	1
81	56	58	1	-5	
82	57	18	1	-10	1
83	57	39	1	-5	1
84	57	59	1	0	
85	59	9	1	-10	1
86	59	26	1	5	
87	60	58	1	0	
88	61	19	1	0	1
89	62	43	1	-10	1
90	63	5	1	5	
91	63	45	1	0	
92	64	6	1	5	
93	65	1	1	5	
94	65	22	1	0	
95	66	0	1	0	
96	66	21	1	0	
97	67	4	1	0	
98	67	35	1	0	

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2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCS (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
0	-10	20	-1	-10	0	6	-14
0	0	5	-1	0	0	2	-4
-1	-5	15	-1	0	-15	2	-10
*	*	*	*	*	*	*	*
0	-20	0	-1	0	-15	0	-8
-1	10	20	-1	0	-15	2	-6
0	-15	15	-1	-15	-20	2	-4
-1	-10	10	-1	0	-10	4	2
-1	-10	10	-1	-15	-10	4	-6
0	5	5	-1	10	5	4	0
0	0	15	-1	5	-5	2	2
0	0	20	-1	10	0	8	0
0	0	10	-1	10	0	4	0
0	5	50	-1	15	0	2	0
1	5	55	-1	0	0	2	-4
1	10	35	-1	5	0	4	-4
1	0	30	-1	10	0	8	-6
1	15	25	-1	20	5	2	0
1	25	25	-1	15	5	8	0
1	10	15	27	3110	3060	40	26
1	10	5	29	3015	3065	40	26
1	15	10	28	3015	3065	34	24
1	20	10	27	3110	3055	32	22
1	10	20	24	3110	3050	40	26
1	0	10	24	2995	3045	40	26
1	0	15	28	3060	3045	38	28
1	5	15	31	3140	3060	38	22
1	-5	20	27	2995	3050	32	26
1	10	20	26	2965	3030	38	20
1	0	0	25	3030	3020	34	24
1	0	20	24	3060	3020	32	32
1	-5	10	28	3065	3010	26	22
1	-5	5	28	3100	3030	34	22
1	-10	20	27	2990	3020	34	24
1	-5	10	26	2960	3005	30	32
1	0	0	24	2955	3000	36	26
1	-10	15	27	3100	3010	32	26
1	5	5	27	3065	3015	26	24
1	0	5	30	3020	3020	26	22
1	0	20	29	3030	3005	40	26
1	-10	20	24	3005	3010	28	26
1	5	5	30	3065	3020	28	22
1	0	10	29	2965	3000	28	30
1	5	10	26	3060	3030	32	24
1	5	10	30	2995	3010	40	20
1	0	0	28	3010	3025	24	24
1	0	20	24	2995	3005	26	26
1	0	0	30	2995	3015	40	28
1	0	20	25	3010	3005	28	24
1	0	20	32	3030	3015	40	26

CN	2-02 TIME MIN.	2-03 TIME SEC.	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG
99	68	1	1	0	20
100	68	21	1	0	10
101	68	41	1	10	5
102	69	1	1	5	5
103	69	21	1	0	20
104	69	41	1	10	15
105	70	0	1	0	10
106	70	22	1	0	15
107	70	42	1	10	15
108	71	2	1	0	5
109	71	22	1	0	10
110	71	42	1	0	20
111	72	2	1	10	0
112	72	22	1	0	5
113	72	43	1	10	5
114	73	3	1	0	5
115	73	23	1	0	5
116	73	43	1	10	10
117	74	3	1	10	5
118	74	23	1	0	10
119	74	43	1	0	5
120	75	3	1	0	5
121	75	23	1	0	20
122	75	43	1	0	20
123	76	4	1	10	0
124	76	24	1	10	10
125	76	44	1	5	5
126	77	4	1	10	10
127	77	24	1	0	5
128	77	44	1	0	5
129	78	4	1	20	5
130	78	24	1	0	0
131	78	44	1	0	0
132	79	4	1	0	5
133	79	24	1	5	0
134	*	*	*	*	*

13 E	2-05 1STAGE HYD. PUMP INLET PRESS PSIG	2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG	2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG	2-08 2STAGE HYD. PUMP INLET PRESS PSIG	2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG	2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG	2-11 2STAGE AFCSI (PITCH /ROLL CHAN) PSIG	2-12 2STAGE AFCS (COLL. /YAW CHAN) PSIG
1	1	0	20	30	3055	3020	34	24
	1	0	10	26	3100	3015	30	20
	1	10	5	31	3005	3010	34	20
	1	5	5	27	3015	2995	28	20
	1	0	20	30	2960	3020	26	24
	1	10	15	3.	2995	3005	34	24
	1	0	10	27	3030	3000	30	24
	1	0	15	27	3005	3025	30	22
	1	10	15	26	3100	3010	28	20
	1	0	5	24	2960	3020	32	22
	1	0	10	27	3060	3020	36	24
	1	0	20	27	3015	3005	40	28
	1	10	0	26	3030	3010	36	22
	1	0	5	31	2995	3005	26	24
	1	10	5	24	2995	2980	34	22
	1	0	5	27	3005	3010	34	24
	1	0	5	30	2995	3000	30	24
	1	10	10	28	3005	3015	26	22
	1	10	5	28	3020	3015	40	26
	1	0	10	31	2965	3010	26	28
	1	0	5	27	3030	3000	36	32
	1	0	5	31	3010	3000	44	26
	1	0	20	30	3040	3005	32	22
	1	0	20	29	3030	3000	36	22
	1	10	0	27	2965	3010	40	24
	1	10	10	30	3010	3010	40	28
	1	5	5	31	2960	3005	32	28
	1	10	10	3	350	280	0	2
	1	0	5	0	10	-20	2	0
	1	0	5	-1	0	-15	4	-6
	1	20	5	0	10	-10	4	-8
	1	0	0	-1	5	-35	0	-4
	1	0	0	-1	5	-10	2	-8
	1	0	5	-1	0	0	8	-8
	1	5	0	-1	15	-35	0	0
	*	*	*	*	*	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
26 AUG.70
-65 DEG. F. RUN NO.35
TAPE 287 1 FILE

CH	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 LTIL. HYD. PUMP INLET PRESS PSIG	2-15 LTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
1	10	0	5	10	16
2	4	1	5	2	16
3	8	0	10	4	10
4	16	1	0	8	10
5	10	0	10	2	12
6	8	1	10	2	10
7	8	0	10	4	10
8	4	1	5	8	6
9	8	1	5	8	6
10	12	0	5	4	8
11	6	0	10	2	8
12	10	1	5	0	10
13	6	0	5	0	6
14	6	1	5	8	10
15	10	4	300	4	244
16	12	1	105	6	88
17	12	1	70	4	60
19	8	0	0	2	6
20	4	0	10	2	4
21	4	0	0	4	4
22	10	0	-25	0	6
23	10	0	0	2	10
24	10	0	0	2	6
25	10	0	0	0	8
26	8	0	5	0	12
27	10	0	0	0	10
28	6	0	0	0	6
29	12	0	5	2	6
30	6	0	-25	0	12
31	10	0	0	0	12
32	10	31	3025	0	950
33	40	30	3060	0	1266
34	42	31	3060	0	1328
35	50	30	3030	-6	1388
36	10	0	0	10	10
40	6	0	0	12	8
42	10	0	0	6	14
43	12	0	-25	12	10
44	6	0	-20	12	10
45	10	0	0	6	10

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CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 ISTAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
46	16	0	-5	16	12
47	12	0	-5	6	6
48	8	0	0	12	6
49	*	*	*	*	*
51	12	1	0	10	20
52	16	1	0	10	10
53	12	1	0	12	12
54	16	1	0	12	18
55	10	1	0	16	14
56	14	1	0	18	18
58	6	1	-15	12	16
59	12	0	-5	16	14
60	12	0	0	20	12
61	14	0	10	34	12
62	*	*	*	*	*
64	14	1	0	30	10
65	16	1	5	26	12
66	10	1	0	26	16
67	14	1	20	30	12
68	56	27	3015	24	1374
69	42	28	2990	14	1390
70	46	30	2980	20	1400
71	44	30	2970	14	1404
72	42	30	3015	10	1414
73	46	30	2970	10	1420
74	48	31	3000	10	1418
75	46	32	3055	12	1426
76	42	31	3020	16	1424
77	46	31	3055	10	1422
78	42	31	3015	8	1428
79	44	31	3015	2	1444
80	46	30	2925	8	1438
81	44	31	3060	8	1438
82	42	31	3105	2	1442
83	48	31	3010	2	1450
84	46	31	3030	6	1446
85	42	20	2655	6	1458
86	48	34	3015	8	1442
87	84	32	2970	10	1500
88	42	31	2970	4	1460
89	42	23	2625	12	1454
90	52	30	3055	8	1446
91	82	30	3025	6	1500
92	42	32	2970	12	1452
93	42	21	2700	10	1448
94	42	32	3060	10	1448
95	84	31	2950	10	1496
96	42	33	3015	2	1460
97	40	20	2605	8	1460
98	42	31	2990	2	1456

CN	2-13 UTIL. HYD. AFCS2 (P/R CHAN) PSIG	2-14 UTIL. HYD. PUMP INLET PRESS PSIG	2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG	2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG	2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG
99	42	31	3020	12	1464
100	42	31	3100	10	1468
101	44	30	3020	12	1462
102	44	31	3015	8	1466
103	42	29	2990	16	1466
104	40	31	3020	10	1466
105	46	30	3010	6	1470
106	38	30	3030	6	1474
107	44	32	3005	12	1466
108	40	31	2965	12	1476
109	38	30	2940	16	1466
110	42	31	3030	8	1476
111	46	31	2965	8	1480
112	44	31	2955	6	1476
113	38	31	3000	12	1466
114	42	31	3005	8	1474
115	44	31	3035	12	1478
116	44	30	3030	12	1466
117	38	33	2935	12	1476
118	40	28	2940	8	1476
119	42	32	3100	6	1480
120	40	33	3040	8	1476
121	42	31	3015	16	1474
122	42	32	3030	2	1476
123	40	31	3000	6	1474
124	44	33	3020	10	1476
125	44	31	2975	6	1475
126	16	2	50	2	76
127	12	1	-35	2	10
128	6	1	-80	4	14
129	12	1	-35	0	12
130	8	1	-35	0	16
131	4	1	-45	4	14
132	12	1	-30	4	6
133	6	1	-20	0	12
134	*	*	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
26 AUG.70
-65 DEG. F. RUN NO.35
TAPE 287 1 FILE

CN		3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3- HEAT PLEN CHNL TE (DEG
1	1	0	7	128	-
2	2	0	27	129	-
3	3	0	47	129	-
4	4	1	8	130	-
5	5	1	28	130	-
6	6	1	48	131	-
7	7	2	8	131	-
8	8	2	28	131	-
9	9	2	48	131	-
10	10	3	8	132	-
11	11	3	28	133	-
12	12	3	48	133	-
13	13	4	9	133	-
14	14	4	29	134	-
15	15	4	49	133	-
16	16	5	9	131	-
17	17	5	29	130	-
19	19	9	50	148	-
20	20	10	10	149	-
21	21	10	30	148	-
22	22	10	50	149	-
23	23	11	10	149	-
24	24	11	30	148	-
25	25	11	50	148	-
26	26	12	11	147	-
27	27	12	31	148	-
28	28	12	51	148	-
29	29	13	11	149	-
30	30	13	31	147	-
31	31	13	51	147	-
32	32	14	11	147	-
33	33	14	31	146	-
34	34	14	51	141	-
35	35	15	12	113	-
36	39	29	13	-29	-
40	40	29	33	-40	-
42	42	30	13	-40	-
43	43	30	33	-34	-
44	44	30	53	-36	-
45	45	31	14	-37	-

1781

3 ME	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHAMBER TEMP OUT DEG.F	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.F	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.F	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.F	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.F	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.F
	128	-43	-49	-49	-52	-53	-54
	129	-42	-49	-48	-54	-52	-54
	129	-43	-49	-49	-53	-52	-53
	130	-43	-49	-49	-49	-52	-54
	130	-42	-49	-49	-49	-51	-54
	131	-43	-50	-49	-50	-51	-54
	131	-42	-50	-49	-49	-51	-54
	131	-43	-49	-47	-47	-52	-54
	131	-43	-50	-48	-49	-51	-54
	132	-43	-49	-49	-49	-52	-54
	133	-42	-50	-49	-48	-51	-54
	133	-42	-49	-49	-47	-50	-54
	133	-41	-49	-49	-49	-51	-54
	134	-42	-49	-48	-47	-49	-52
	133	-43	-49	-48	-48	-49	-54
	131	-42	-49	-49	-47	-50	-53
	130	-41	-49	-49	-49	-49	-53
	148	-35	-46	-40	-49	-47	-52
	149	-35	-47	-38	-49	-49	-52
	148	-36	-46	-40	-49	-49	-52
	149	-36	-46	-38	-49	-49	-52
	149	-35	-46	-38	-50	-49	-52
	148	-36	-46	-39	-49	-50	-52
	148	-36	-46	-39	-49	-50	-53
	147	-35	-46	-39	-50	-49	-52
	148	-35	-46	-37	-50	-49	-52
	148	-34	-47	-39	-49	-49	-52
	149	-36	-46	-38	-49	-49	-51
	147	-34	-46	-40	-49	-49	-51
	147	-34	-46	-38	-47	-47	-50
	147	-34	-45	-40	-47	-48	-50
	146	-35	-45	-40	-46	-49	-50
	141	-36	-46	-40	-47	-47	-52
	113	-24	-36	-27	-13	-24	-50
	-29	210	208	193	199	155	56
	-40	205	205	191	200	153	59
	-40	210	210	195	205	157	55
	-34	213	213	199	210	160	59
	-36	216	215	200	209	163	58
	-37	219	217	204	214	166	59

CN	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG. F
46	31	34	-37
47	31	54	-36
48	32	14	-40
49	*	*	*
51	33	14	-39
52	33	34	-37
53	33	54	-38
54	34	15	-40
55	34	35	-39
56	34	55	-36
58	37	59	-24
59	40	41	-28
60	43	22	-31
61	46	4	-32
62	*	*	*
64	51	15	-27
65	51	36	-31
66	51	56	-36
67	52	16	-28
68	52	36	-29
69	52	57	-30
70	53	17	-32
71	53	37	-34
72	53	58	-29
73	54	18	-28
74	54	38	-31
75	54	58	-34
76	55	19	-34
77	55	39	-31
78	55	59	-31
79	56	20	-37
80	56	40	-37
81	57	0	-40
82	57	21	-40
83	57	41	-43
84	58	1	-41
85	59	7	-40
86	59	29	-46
87	61	1	-40
88	61	21	-44
89	62	46	-46
90	63	7	-44
91	63	48	-42
92	64	8	-46
93	65	4	-43
94	65	25	-45
95	66	2	-45
96	66	23	-45
97	67	11	-47
98	67	37	-46

1782

3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP CUT DEG.F	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.F	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.F	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.F	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.F	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.F
-37	223	222	208	218	159	63
-36	226	225	210	219	125	63
-40	227	226	210	218	117	64
*	*	*	*	*	*	*
-39	231	229	213	141	115	70
-37	232	231	213	189	115	69
-38	232	228	212	212	191	69
-40	229	227	210	212	196	71
-39	229	228	210	212	195	73
-36	229	228	210	215	199	73
-24	228	226	209	213	198	77
-28	226	225	204	213	195	82
-31	220	223	197	207	188	87
-32	239	236	220	225	212	87
*	*	*	*	*	*	*
-27	216	215	199	120	113	83
-31	173	173	155	121	113	85
-36	138	136	125	115	111	81
-28	171	169	155	114	109	77
-29	199	197	182	116	107	81
-30	205	204	186	119	109	86
-32	137	137	121	117	108	83
-34	127	127	115	109	106	81
-29	167	167	151	111	105	77
-28	192	192	175	113	106	78
-31	148	144	127	112	104	80
-34	141	139	123	107	104	75
-34	173	173	155	109	102	77
-31	195	195	177	113	103	80
-31	137	137	117	111	101	80
-37	129	128	113	107	101	75
-37	160	160	143	109	102	71
-40	186	187	169	113	101	71
-40	200	201	184	117	103	74
-43	191	192	171	119	102	83
-41	133	131	113	113	101	79
-40	122	122	103	106	99	81
-46	113	111	97	99	97	74
-40	154	151	131	101	95	75
-44	163	160	139	103	95	77
-46	121	119	99	99	93	74
-44	151	147	128	97	91	73
-42	117	115	96	98	91	75
-46	141	138	120	95	91	73
-43	129	117	99	96	89	75
-45	153	149	131	97	89	71
-45	119	117	97	97	89	75
-45	133	130	111	95	88	71
-47	121	119	98	98	89	75
-46	135	134	113	93	86	71

CN	3-02 TIME MIN.	3-03 TIME SEC.	3-05 HEATER AIR TEMP INTO COMBST DEG.F	3- HEA PLE CHM T DE
99	68	3	-43	1
100	68	23	-45	1
101	68	43	-43	1
102	69	4	-42	1
103	69	24	-47	1
104	69	44	-46	1
105	70	4	-45	1
106	70	24	-46	1
107	70	44	-44	1
108	71	4	-47	1
109	71	25	-47	1
110	71	45	-47	1
111	72	5	-42	1
112	72	25	-47	1
113	72	45	-47	1
114	73	5	-40	1
115	73	25	-44	1
116	73	45	-47	1
117	74	5	-47	1
118	74	26	-49	1
119	74	46	-47	1
120	75	6	-47	1
121	75	26	-49	1
122	75	46	-44	
123	76	6	-46	
124	76	26	-49	
125	76	46	-50	-
126	77	6	-51	-
127	77	26	-47	-
129	77	46	-42	
129	78	7	-37	
130	78	27	-32	
131	78	47	-28	
132	79	7	-22	
133	79	27	-19	
134	*	*	*	

E8L1

1783

3-05 HEATER AIR TEMP INTO COMBST DEG.F	3-06 HEATER PLENUM CHMBER TEMP CLT DEG.F	3-07 HEATER MAIN DIST. DUCT LS FWD DEG.F	3-08 HEATER MAIN DIST. DUCT RS FWD DEG.F	3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.F	3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.F	3-11 DIST. DUCT OUTLET STA460 -470RS DEG.F
-43	142	140	116	97	87	73
-45	126	123	102	94	89	71
-43	157	153	133	95	89	71
-42	146	145	120	98	87	73
-47	107	101	84	93	86	71
-46	137	135	115	93	85	68
-45	167	169	145	97	87	71
-46	123	122	99	96	87	74
-44	117	113	93	91	84	70
-47	152	150	129	94	85	69
-47	131	129	104	93	85	70
-47	136	131	110	93	84	70
-42	162	162	139	96	86	71
-47	124	121	99	95	84	73
-47	137	132	111	93	85	70
-40	165	159	137	97	83	71
-44	115	113	91	94	85	73
-47	131	126	107	92	83	68
-47	164	161	139	95	85	69
-49	127	123	101	95	83	73
-47	120	115	94	93	84	71
-47	153	151	129	98	84	70
-49	142	139	118	94	83	72
-44	78	79	60	89	83	71
-46	27	24	10	78	80	63
-49	-4	-6	-10	66	77	52
-50	-18	-19	-22	57	74	43
-51	-17	-19	-18	59	76	42
-47	-13	-11	-14	62	75	43
-42	-8	-5	-8	61	74	45
-37	-4	1	-4	61	73	45
-32	2	6	3	62	72	45
-28	6	12	6	62	71	45
-22	12	15	12	60	69	45
-19	17	20	17	60	68	46
*	*	*	*	*	*	*

HH-53C LCK SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
26 AUG.70
-65 DEG. F. RUN NO.35
TAPE 287 1 FILE

CN	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.F	3-13 PILOTS HEAD LEVEL TEMP DEG.F	3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	CO-
1	-54	-52	-57	-60	-60	
2	-54	-52	-57	-60	-60	
3	-54	-50	-59	-60	-59	
4	-54	-50	-57	-60	-61	
5	-54	-50	-58	-61	-60	
6	-54	-50	-57	-60	-60	
7	-54	-50	-59	-60	-61	
8	-54	-49	-57	-62	-62	
9	-54	-49	-59	-60	-60	
10	-54	-49	-57	-60	-62	
11	-54	-49	-58	-60	-60	
12	-54	-48	-58	-61	-60	
13	-54	-47	-58	-60	-60	
14	-53	-47	-57	-61	-61	
15	-53	-47	-57	-61	-61	
16	-54	-47	-57	-60	-60	
17	-53	-47	-57	-60	-60	
19	-52	-46	-56	-59	-59	
20	-52	-46	-56	-60	-60	
21	-52	-47	-57	-59	-61	
22	-52	-46	-56	-59	-60	
23	-52	-46	-56	-59	-59	
24	-52	-47	-56	-59	-62	
25	-52	-46	-55	-60	-60	
26	-53	-46	-56	-60	-59	
27	-52	-46	-56	-59	-59	
28	-52	-46	-55	-59	-59	
29	-52	-46	-56	-59	-59	
30	-52	-47	-54	-59	-60	
31	-51	-46	-54	-58	-59	
32	-50	-45	-54	-59	-60	
33	-52	-44	-55	-59	-59	
34	-52	-46	-55	-58	-61	
35	-50	-45	-54	-59	-59	
36	60	41	26	30	-4	
40	60	40	26	31	-3	
42	60	42	28	35	-2	
43	62	46	28	35	1	
44	62	47	29	37	1	
45	62	47	31	38	3	

	3-15 PILOTS FOOT LEVEL TEMP	3-16 PILOTS FLOOR MASS TEMP	3-17 CO-PLT HEAD LEVEL TEMP	3-18 CO-PLT WAIST LEVEL TEMP	3-19 CO-PLT FOOT LEVEL TEMP	3-20 CO-PLT FLOOR MASS TEMP	3-21 CARGO AREA FWD HEAD LEVEL	3-22 CARGO AREA FWD WAIST LEVEL
	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F
	-60	-60	-49	-57	-60	-60	-54	-57
	-60	-60	-49	-58	-59	-60	-53	-57
	-60	-59	-50	-57	-60	-60	-54	-57
	-60	-61	-49	-59	-60	-60	-53	-57
	-61	-60	-49	-58	-60	-60	-52	-57
	-60	-60	-47	-57	-60	-60	-52	-57
	-60	-61	-47	-57	-60	-59	-52	-57
	-62	-62	-46	-57	-61	-60	-51	-56
	-60	-60	-46	-59	-60	-59	-51	-57
	-60	-62	-47	-57	-61	-61	-49	-56
	-60	-60	-47	-57	-60	-62	-50	-56
	-61	-60	-46	-58	-61	-59	-49	-57
	-60	-60	-46	-57	-62	-61	-51	-56
	-61	-61	-45	-57	-60	-60	-49	-56
	-61	-61	-46	-57	-60	-60	-49	-56
	-60	-60	-48	-58	-61	-60	-50	-57
	-60	-60	-46	-57	-61	-60	-49	-56
	-59	-59	-44	-55	-59	-61	-51	-53
	-60	-60	-44	-56	-59	-59	-49	-54
	-59	-61	-45	-56	-60	-61	-49	-54
	-59	-60	-44	-56	-57	-59	-50	-54
	-59	-59	-44	-54	-59	-59	-51	-53
	-59	-62	-45	-55	-60	-60	-49	-54
	-60	-60	-45	-56	-60	-60	-50	-54
	-60	-59	-44	-55	-59	-59	-50	-54
	-59	-59	-44	-54	-59	-59	-49	-54
	-59	-59	-43	-56	-59	-59	-50	-54
	-59	-59	-44	-55	-59	-59	-52	-52
	-59	-60	-45	-54	-59	-60	-49	-54
	-58	-59	-44	-54	-59	-59	-49	-52
	-59	-60	-43	-54	-57	-60	-48	-53
	-59	-59	-43	-54	-59	-60	-48	-54
	-58	-61	-43	-54	-58	-60	-48	-54
	-59	-59	-44	-53	-59	-60	-44	-51
	30	-4	50	52	64	28	97	66
	31	-3	51	51	65	30	99	69
	35	-2	55	55	69	34	105	71
	35	1	56	56	70	34	107	74
	37	1	58	58	71	36	108	75
	38	3	60	59	73	37	107	77

CN	3-12 DIST. DUCT OUTLET STA460 -470LS DEG.F	3-13 PILOTS HEAD LEVEL TEMP DEG.F	3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	C
46	67	48	33	40	5	
47	68	49	36	35	4	
48	65	49	38	35	2	
49	*	*	*	*	*	
51	71	54	39	28	3	
52	69	56	40	25	3	
53	73	55	43	29	5	
54	71	55	50	33	5	
55	75	54	55	36	7	
56	73	54	58	38	8	
58	79	63	71	47	16	
59	84	69	78	53	21	
60	87	75	83	60	27	
61	86	79	75	66	33	
62	*	*	*	*	*	
64	83	84	80	67	42	
65	83	83	79	66	44	
66	79	85	79	67	44	
67	77	85	79	68	45	
68	79	85	79	67	47	
69	83	86	79	67	47	
70	81	84	79	69	46	
71	75	83	79	69	48	
72	75	83	80	67	48	
73	81	82	78	68	48	
74	80	83	79	69	47	
75	73	83	78	69	50	
76	77	83	77	68	50	
77	79	82	78	69	52	
78	77	82	78	69	51	
79	74	83	77	66	50	
80	73	81	71	64	50	
81	75	82	69	63	51	
82	77	81	68	63	47	
83	79	81	68	63	49	
84	77	83	69	65	50	
85	77	80	77	69	52	
86	80	79	76	70	55	
87	75	77	77	68	53	
88	76	78	77	70	54	
89	73	77	75	69	54	
90	74	75	75	68	56	
91	73	77	76	69	60	
92	71	75	75	70	59	
93	73	75	74	67	59	
94	73	75	73	67	58	
95	73	75	75	70	60	
96	72	75	73	67	59	
97	75	75	73	67	60	
98	73	75	73	67	60	

3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEG.F	3-18 CO-PLT WAIST LEVEL TEMP DEG.F	3-19 CO-PLT FOOT LEVEL TEMP DEG.F	3-20 CO-PLT FLOOR MASS TEMP DEG.F	3-21 CARGO AREA FWD HEAD LEVEL DEG.F	3-22 CARGO AREA FWD WAIST LEVEL DEG.F
40	5	58	60	74	41	109	77
35	4	60	61	75	42	111	77
35	2	66	64	75	42	113	80
*	*	*	*	*	*	*	*
28	3	79	63	63	40	120	85
25	3	84	60	57	36	122	89
29	5	76	67	63	37	122	91
33	5	69	71	64	36	121	89
36	7	66	75	66	35	121	91
38	8	66	76	65	37	121	92
47	16	75	86	76	41	125	95
53	21	78	91	79	42	130	100
60	27	84	95	82	45	133	102
66	33	87	97	84	47	137	101
*	*	*	*	*	*	*	*
67	42	99	93	81	63	123	89
66	44	101	93	81	63	114	90
67	44	99	94	81	61	102	81
69	45	96	93	80	65	109	81
67	47	95	90	79	65	115	86
67	47	98	93	81	65	120	89
69	46	99	95	81	64	102	85
69	48	97	93	81	65	97	76
67	48	95	90	80	65	105	78
68	48	93	89	79	65	113	83
69	47	96	90	79	64	101	82
69	50	94	91	80	67	98	77
68	50	92	89	79	66	107	79
69	52	93	88	79	65	115	84
69	51	94	90	79	65	99	80
66	50	91	88	76	65	99	75
64	50	89	84	71	65	106	77
63	51	89	82	69	61	115	81
63	47	90	82	67	63	121	87
63	49	92	83	66	61	119	89
65	50	93	84	67	63	99	79
69	52	93	87	74	67	93	75
70	55	88	87	75	68	87	69
68	53	87	86	73	66	101	99
70	54	88	87	75	69	103	99
69	54	86	85	73	67	89	77
68	56	85	84	73	67	97	98
69	60	86	87	74	67	96	99
70	59	85	84	71	68	99	113
67	59	85	85	74	69	90	113
67	58	83	82	73	66	100	71
70	60	85	84	73	67	93	111
67	59	83	82	73	69	91	76
67	60	85	85	73	71	89	99
67	60	82	82	71	69	96	89

CN	3-12 DIST. DUCT OUTLET STA46C -47OLS DEG.F	3-13 PILOTS HEAD LEVEL TEMP DEG.F	3-14 PILOTS WAIST LEVEL TEMP DEG.F	3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3- CO- H LE T DE
99	73	74	73	66	60	
100	71	76	73	67	61	
101	73	75	73	69	65	
102	77	75	73	68	65	
103	71	74	74	69	62	
104	70	74	73	69	64	
105	73	74	73	68	65	
106	73	75	73	69	66	
107	72	73	73	69	64	
108	71	73	72	68	63	
109	74	73	72	67	63	
110	71	72	73	68	61	
111	76	73	71	67	66	
112	73	71	71	67	63	
113	68	72	71	68	61	
114	73	71	71	68	62	
115	73	73	73	68	67	
116	71	73	73	69	64	
117	71	73	73	69	64	
118	73	72	73	70	65	
119	73	73	73	68	64	
120	70	73	73	68	63	
121	73	71	71	68	64	
122	67	73	72	69	65	
123	59	70	71	67	65	
124	50	69	67	63	63	
125	41	68	63	58	65	
126	40	68	60	58	61	
127	45	67	58	57	61	
128	48	66	56	58	59	
129	49	65	55	56	60	
130	48	65	54	56	60	
131	47	63	53	54	59	
132	47	63	52	55	58	
133	47	61	50	52	55	
134	*	*	*	*	*	

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3-15 PILOTS FOOT LEVEL TEMP DEG.F	3-16 PILOTS FLOOR MASS TEMP DEG.F	3-17 CO-PLT HEAD LEVEL TEMP DEC.F	3-18 CO-PLT WAIST LEVEL TEMP DEG.F	3-19 CO-PLT FOOT LEVEL TEMP DEG.F	3-20 CO-PLT FLOOR MASS TEMP DEG.F	3-21 CARGO AREA FWD HEAD LEVEL DEG.F	3-22 CARGO AREA FWD WAIST LEVEL DEG.F
66	60	83	82	71	69	97	76
67	61	82	83	71	71	93	111
69	65	83	83	72	68	99	99
68	65	83	83	73	71	99	99
69	62	83	80	69	70	85	76
69	64	80	81	71	71	93	106
68	65	81	82	71	71	106	100
69	66	81	84	71	69	94	89
69	64	81	83	71	69	87	86
68	63	79	81	68	69	102	89
67	63	80	79	73	69	97	100
68	61	79	80	68	69	97	76
67	66	80	82	71	71	104	99
67	63	81	81	69	70	92	69
68	61	81	80	68	68	97	106
68	62	83	79	73	73	99	99
68	67	82	83	71	73	93	99
69	64	80	81	69	69	89	76
69	64	79	83	71	74	99	113
70	65	82	82	71	71	89	99
68	64	81	82	73	73	87	99
68	63	80	79	69	73	100	89
68	64	82	83	71	71	93	86
69	65	79	83	71	71	80	99
67	65	76	78	67	69	60	63
63	63	71	73	64	67	45	73
58	65	69	70	62	71	35	47
58	61	67	67	60	67	40	45
57	61	64	65	58	67	45	42
58	59	63	69	54	66	48	41
56	60	62	61	52	64	50	40
56	60	61	60	52	64	51	34
54	59	60	60	47	63	52	35
55	58	58	56	46	63	52	24
52	55	58	52	46	62	52	19
*	*	*	*	*	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
26 AUG.70
-65 DEG. F. RUN NO.35
TAPE 287 1 FILE

CN	3-23 CARGO AREA FWD FOOT LEVEL DEG.F	3-24 CARGO AREA FWD FLOOR LEVEL DEG.F	3-25 CARGO AREA AFT HEAD LEVEL DEG.F	3-26 CARGO AREA AFT WAIST LEVEL DEG.F	3-27 CARGO AREA AFT FOOT LEVEL DEG.F	3-28 CARGO AREA AFT FLOOR LEVEL DEG.F
1	-58	-56	-54	-57	-59	-56
2	-59	-56	-56	-57	-58	-58
3	-58	-56	-55	-57	-58	-57
4	-58	-56	-56	-57	-59	-59
5	-59	-56	-56	-57	-58	-59
6	-57	-56	-56	-57	-59	-59
7	-59	-56	-56	-57	-59	-59
8	-57	-57	-54	-57	-58	-57
9	-59	-56	-56	-57	-58	-58
10	-58	-57	-54	-57	-58	-57
11	-60	-57	-55	-57	-58	-57
12	-59	-56	-56	-57	-58	-59
13	-59	-58	-54	-56	-57	-57
14	-57	-56	-54	-57	-56	-56
15	-58	-56	-54	-57	-57	-56
16	-59	-56	-56	-57	-58	-59
17	-58	-55	-54	-57	-57	-56
19	-57	-54	-53	-55	-57	-57
20	-57	-53	-53	-54	-57	-58
21	-57	-54	-52	-56	-57	-57
22	-56	-54	-54	-54	-57	-58
23	-57	-54	-54	-56	-57	-57
24	-57	-53	-52	-55	-57	-57
25	-57	-53	-53	-55	-57	-57
26	-56	-55	-54	-55	-57	-60
27	-57	-54	-54	-54	-57	-57
28	-56	-54	-54	-54	-57	-56
29	-56	-54	-52	-54	-57	-57
30	-57	-53	-52	-54	-57	-57
31	-56	-54	-52	-54	-55	-57
32	-54	-53	-52	-54	-54	-56
33	-55	-54	-52	-54	-57	-57
34	-54	-53	-52	-54	-56	-57
35	-57	-54	-52	-54	-54	-57
36	-13	-32	63	57	39	-40
40	-13	-31	63	56	40	-39
42	-14	-32	6[illegible]	57	42	-37
43	-19	-32	6[illegible]	59	43	-37
44	-20	-31	65	59	44	-35
45	-16	-30	66	60	41	-35

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CN	3-23 CARGO AREA FWD FOOT LEVEL DEG.F	3-24 CARGO AREA FWD FLOOR LEVEL DEG.F	3-25 CARGO AREA AFT HEAD LEVEL DEG.F	3-26 CARGO AREA AFT WAIST LEVEL DEG.F	3-27 CARGO AREA AFT FOOT LEVEL DEG.F	3-28 CARGO AREA AFT FLOOR LEVEL DEG.F
46	-18	-31	68	61	41	-34
47	-15	-28	69	63	43	-37
48	-9	-28	73	66	47	-31
49	*	*	*	*	*	*
51	-2	-27	73	67	49	-31
52	-1	-26	74	68	47	-32
53	-3	-26	77	70	52	-31
54	-2	-25	75	69	53	-31
55	-1	-25	77	69	53	-31
56	-6	-24	77	70	52	-28
58	-2	-21	83	75	60	-20
59	5	-18	84	78	59	-18
60	11	-13	86	79	63	-11
61	16	-11	84	79	65	-11
62	*	*	*	*	*	*
64	47	1	80	75	59	-3
65	49	1	82	76	59	-3
66	49	1	79	75	58	-3
67	49	3	77	74	59	-2
68	49	3	77	73	58	-3
69	51	2	79	75	60	-1
70	50	4	80	75	61	-2
71	52	4	75	71	58	-2
72	52	3	73	69	55	-2
73	52	4	75	71	58	-1
74	55	5	76	73	60	-1
75	54	6	73	69	56	-2
76	55	4	74	69	51	1
77	56	8	75	70	53	0
78	54	8	75	71	54	1
79	53	10	73	68	53	1
80	49	7	71	68	53	1
81	47	8	73	69	55	2
82	47	9	75	70	58	1
83	47	7	78	71	57	0
84	49	9	77	72	58	1
85	55	10	74	69	55	3
86	53	12	69	66	51	3
87	54	11	71	67	53	2
88	57	12	73	67	52	1
89	56	12	71	66	52	3
90	56	13	69	66	51	3
91	57	12	70	67	53	5
92	56	12	69	66	54	4
93	57	12	71	67	51	5
94	59	12	71	66	49	5
95	56	16	72	67	51	4
96	55	14	69	66	49	4
97	57	16	70	66	51	3
98	58	16	68	64	51	4

8971 1768

CN	3-23 CARGO AREA FWD FOOT LEVEL DEG.F	3-24 CARGO AREA FWD FLOOR LEVEL DEG.F	3-25 CARGO AREA AFT HEAD LEVEL DEG.F	3-26 CARGO AREA AFT WAIST LEVEL DEG.F	3-27 CARGO AREA AFT FOOT LEVEL DEG.F	3-28 CARGO AREA AFT FLOOR LEVEL DEG.F
99	57	17	68	65	53	6
100	56	17	68	64	50	5
101	56	17	69	66	50	5
102	58	20	71	67	52	6
103	59	19	68	65	54	8
104	57	19	68	63	52	5
105	63	19	67	65	53	8
106	58	19	70	65	53	6
107	56	17	67	63	49	6
108	59	20	67	64	49	6
109	57	19	69	64	51	5
110	59	19	67	63	50	8
111	58	18	69	64	49	5
112	58	20	69	65	49	8
113	58	19	68	63	51	5
114	60	19	70	63	49	4
115	60	20	69	64	51	5
116	60	21	66	63	53	7
117	58	21	67	64	50	5
118	59	20	69	66	51	8
119	58	22	73	65	53	8
120	58	23	68	63	50	8
121	60	22	67	64	51	7
122	57	21	65	62	49	8
123	55	21	59	56	47	8
124	50	21	49	48	43	8
125	43	21	41	40	36	8
126	40	20	38	37	32	8
127	34	18	39	35	30	6
128	29	19	41	36	26	5
129	25	17	41	36	24	3
130	9	16	42	35	22	6
131	-4	12	40	31	13	4
132	-10	12	41	26	9	4
133	-14	11	40	21	7	4
134	*	*	*	*	*	*

HH-53C LCW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
26 AUG.70
-65 DEG. F. RUN NO.35
TAPE 287 1 FILE

CN	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4 CO- WND INS SUR T DE
1	0	10	-57	-
2	0	30	-57	-
3	0	50	-57	-
4	1	10	-57	-
5	1	30	-57	-
6	1	50	-57	-
7	2	10	-57	-
8	2	30	-57	-
9	2	51	-57	-
10	3	11	-58	-
11	3	31	-57	-
12	3	51	-57	-
13	4	11	-57	-
14	4	31	-57	-
15	4	51	-56	-
16	5	11	-57	-
17	5	31	-57	-
19	9	52	-54	-
20	10	12	-54	-
21	10	32	-56	-
22	10	53	-55	-
23	11	13	-56	-
24	11	33	-55	-
25	11	53	-55	-
26	12	13	-56	-
27	12	33	-55	-
28	12	53	-54	-
29	13	13	-55	-
30	13	33	-55	-
31	13	50	-54	-
32	14	14	-54	-
33	14	34	-54	-
34	14	54	-54	-
35	15	14	-54	-
36	29	15	-6	
40	29	35	-5	
42	30	16	-2	
43	30	36	-2	
44	30	56	-2	
45	31	16	1	

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03 ME C.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
0	-57	-56	-58	-54	18	25	-6
0	-57	-56	-57	-54	19	26	-6
0	-57	-55	-58	-53	19	26	-5
0	-57	-56	-58	-54	19	25	-6
0	-57	-56	-57	-53	19	26	-4
0	-57	-55	-57	-52	19	26	-6
0	-57	-54	-58	-52	19	26	-5
0	-57	-54	-57	-52	20	26	-6
1	-57	-55	-57	-52	21	26	-4
1	-58	-54	-57	-52	21	27	-5
1	-57	-54	-57	-52	21	27	-5
1	-57	-54	-57	-52	21	26	-6
1	-57	-54	-57	-52	21	27	-5
1	-57	-53	-56	-52	20	26	-6
1	-56	-53	-57	-51	23	26	-6
1	-57	-54	-58	-52	21	28	-6
1	-57	-54	-57	-52	23	25	-6
2	-54	-52	-54	-50	-6	-5	-25
2	-54	-53	-56	-50	-7	-6	-23
2	-56	-52	-56	-51	-6	-5	-24
3	-55	-54	-56	-52	-8	-6	-23
3	-56	-54	-56	-51	-6	-6	-25
3	-55	-52	-56	-51	-8	-7	-24
3	-55	-53	-56	-51	-8	-7	-24
3	-56	-54	-57	-51	-8	-6	-23
3	-55	-53	-56	-52	-7	-6	-25
3	-54	-53	-55	-52	-8	-6	-24
3	-55	-53	-55	-51	-8	-6	-26
3	-55	-52	-56	-52	-8	-8	-24
4	-54	-53	-54	-49	-8	-6	-25
4	-54	-52	-53	-49	-8	-7	-32
4	-54	-52	-53	-47	-8	-8	-25
4	-54	-50	-56	-49	-9	-8	-24
4	-54	-51	-54	-49	-8	-8	-25
5	-6	17	-12	40	-15	-14	-30
5	-5	16	-13	40	-14	-13	-31
6	-2	18	-11	42	-15	-13	-32
6	-2	20	-10	44	-15	-15	-31
6	-2	21	-10	46	-17	-15	-32
6	1	24	-8	46	-18	-15	-31

CN	4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4- CO- WN IN SU T D
46	31	36	2	
47	31	56	1	
48	32	16	-1	
49	*	*	*	
51	33	17	3	
52	33	37	5	
53	33	57	6	
54	34	17	8	
55	34	37	8	
56	*	*	*	
58	38	2	17	
59	40	43	21	
60	43	25	28	
61	46	6	34	
62	*	*	*	
64	51	18	39	
65	51	38	41	
66	51	58	41	
67	52	19	41	
68	52	39	41	
69	52	59	40	
70	53	20	40	
71	53	40	41	
72	54	0	41	
73	54	20	41	
74	54	41	42	
75	55	1	42	
76	55	21	41	
77	55	42	41	
78	56	2	42	
79	56	22	41	
80	56	43	40	
81	57	3	42	
82	57	23	42	
83	57	44	42	
84	58	4	41	
85	59	10	44	
86	59	31	42	
87	61	3	42	
88	61	24	44	
89	62	48	45	
90	63	10	44	
91	63	50	44	
92	64	11	44	
93	65	6	45	
94	65	27	43	
95	66	5	45	
96	66	26	43	
97	67	14	45	
98	67	40	44	

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4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
2	24	-7	47	-16	-15	-31
1	19	-7	36	-17	-15	-31
-1	19	-6	35	-16	-15	-30
*	*	*	*	*	*	*
3	24	-4	49	-18	-15	-32
5	27	-3	56	-17	-15	-32
6	28	-1	51	-18	-15	-31
8	28	-1	53	-18	-16	-31
8	30	2	55	-18	-18	-31
*	*	*	*	*	*	*
17	38	10	67	-20	-16	-32
21	43	16	73	-21	-18	-29
28	52	24	78	-20	-20	-28
34	60	26	81	-22	-19	-30
*	*	*	*	*	*	*
39	63	31	73	-19	-16	-26
41	64	31	74	-19	-17	-25
41	63	32	74	-19	-17	-27
41	63	31	75	-18	-17	-25
41	61	31	75	-18	-17	-26
40	62	33	73	-18	-18	-27
40	64	33	79	-20	-16	-25
41	63	33	75	-18	-15	-26
41	62	33	71	-18	-17	-25
41	61	32	72	-17	-16	-25
42	65	32	70	-17	-17	-24
42	63	32	70	-18	-17	-25
41	63	33	71	-18	-15	-25
41	63	33	71	-18	-15	-23
42	65	33	71	-18	-16	-24
41	61	33	69	-18	-16	-25
40	61	31	73	-18	-15	-25
42	60	32	75	-18	-17	-23
42	63	31	77	-18	-15	-24
42	62	32	78	-18	-18	-23
41	62	34	73	-18	-17	-23
44	63	35	67	-18	-17	-22
42	62	35	66	-16	-18	-22
42	62	36	66	-20	-17	-24
44	62	35	67	-18	-18	-22
45	62	36	66	-20	-18	-22
44	60	36	66	-19	-20	-22
44	61	38	66	-19	-18	-20
44	61	38	67	-20	-18	-20
45	61	37	66	-20	-19	-21
43	59	38	65	-20	-20	-19
45	61	37	66	-21	-20	-20
43	61	37	65	-22	-18	-20
45	60	38	65	-20	-19	-18
44	60	38	63	-20	-19	-18

CN		4-02 TIME MIN.	4-03 TIME SEC.	4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4 CO- WND INS SUR T DE
99	99	68	6	44	
100	100	68	26	45	
101	101	68	46	45	
102	102	69	6	45	
103	103	69	26	45	
104	104	69	46	43	
105	105	70	6	43	
106	106	70	27	44	
107	107	70	47	44	
108	108	71	7	43	
109	109	71	27	43	
110	110	71	47	43	
111	111	72	7	43	
112	112	72	27	43	
113	113	72	48	42	
114	114	73	8	44	
115	115	73	28	43	
116	116	73	48	44	
117	117	74	8	44	
118	118	74	28	43	
119	119	74	48	45	
120	120	75	8	44	
121	121	75	28	42	
122	122	75	48	44	
123	123	76	8	42	
124	124	76	29	41	
125	125	76	49	41	
126	126	77	9	40	
127	127	77	29	38	
128	128	77	49	37	
129	129	78	9	36	
130	130	78	29	37	
131	131	78	49	36	
132	132	79	9	35	
133	133	79	29	35	
134	*	*	*	*	

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4-05 CO-PLT WNDSHD INSIDE SURF 1 TEMP DEG.F	4-06 CO-PLT WNDSHD INSIDE SURF 2 TEMP DEG.F	4-07 CENTER PANEL WNDSHD INSIDE SURF 1 DEG.F	4-08 CENTER PANEL WNDSHD INSIDE SURF 2 DEG.F	4-09 1STAGE HYD. PUMP INLET TEMP DEG.F	4-10 1STAGE HYD. PUMP OUTLET TEMP DEG.F	4-11 1STAGE HYD. AFT SERVO CYL. DEG.F
44	59	39	67	-20	-20	-18
45	60	38	64	-19	-18	-17
45	60	37	66	-20	-18	-17
45	60	38	64	-21	-20	-16
45	65	39	65	-19	-20	-15
43	58	39	63	-19	-19	-15
43	60	40	63	-21	-20	-15
44	59	39	66	-20	-18	-16
44	59	40	69	-20	-18	-15
43	58	39	65	-21	-20	-15
43	60	39	66	-20	-19	-15
43	59	38	67	-20	-18	-15
43	58	37	66	-20	-19	-15
43	58	39	70	-21	-20	-14
42	58	38	68	-21	-20	-13
44	58	39	68	-21	-20	-13
43	56	39	67	-22	-20	-13
44	58	40	69	-21	-20	-13
44	58	40	64	-20	-20	-12
43	58	40	66	-20	-18	-13
45	58	42	67	-20	-18	-13
44	58	42	66	-19	-18	-11
42	56	40	69	-20	-18	-13
44	57	40	67	-20	-18	-12
42	56	39	64	-21	-20	-12
41	56	40	60	-21	-20	-12
41	55	39	58	-20	-18	-11
40	53	38	57	-21	-20	-11
38	51	36	57	-21	-20	-12
37	51	35	56	-20	-19	-13
36	50	35	55	-20	-20	-12
37	50	36	54	-21	-20	-12
36	49	35	54	-20	-20	-12
35	48	34	52	-22	-21	-13
35	48	33	52	-22	-21	-13
*	*	*	*	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
26 AUG.70
-65 DEG. F. RUN NO.35
TAPE 287 1 FILE

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4- UTI HY PU INL TE DEG
1	75		-18	-17	-5	3
2	75		-20	-17	-5	3
3	75		-18	-18	-7	3
4	77		-18	-18	-6	3
5	78		-17	-18	-8	3
6	77		-18	-18	-8	3
7	75		-20	-18	-8	3
8	77		-18	-20	-8	3
9	76		-17	-18	-8	3
10	77		-18	-18	-8	3
11	76		-16	-18	-9	3
12	78		-20	-18	-8	3
13	75		-16	-18	-10	3
14	78		-17	-20	-8	3
15	86		5	-20	-9	4
16	85		-2	-18	-11	4
17	86		-8	-20	-9	4
19	40		-28	-32	-25	1
20	38		-27	-34	-26	1
21	39		-29	-34	-27	1
22	38		-27	-34	-26	1
23	38		-28	-34	-25	1
24	39		-29	-34	-27	1
25	38		-30	-34	-25	1
26	38		-26	-34	-26	1
27	39		-26	-34	-25	1
28	38		-27	-32	-26	1
29	38		-28	-34	-26	1
30	36		-29	-34	-27	1
31	36		-28	-34	-25	1
32	37		-14	-34	-25	1
33	40		27	-34	-22	1
34	40		39	-34	-22	1
35	40		49	-32	-22	1
36	53		1	-34	-20	1
40	52		2	-34	-20	1
42	91		-1	-34	-22	1
43	90		-4	-32	-21	1
44	49		-4	-34	-22	1
45	48		-3	-34	-22	1

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14	4-15	4-16	4-17	4-18	4-19	4-20	4-21	4-22
GE	2STAGE	2STAGE	UTIL.	UTIL.	UTIL.	1STAGE	UTIL.	HYD.
D.	AFCS	AFCS	HYD.	HYD.	STAGE	ROTARY	ROTARY	WINCH
FT	(CCLL.	(PITCH	PUMP	PUMP	AFCS	RUDDER	RUDDER	PUMP
NO	/YAW	/ROLL	INLET	OUTLET	(P/R	INLET	INLET	SERVO
L.	CHAN)	CHAN)	TEMP	TEMP	CHAN)	TEMP	TEMP	INLET
.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F	DEG.F
8	-17	-5	32	21	-24	-62	-62	80
0	-17	-5	32	22	-23	-62	-62	77
8	-18	-7	33	21	-26	-62	-64	79
9	-18	-6	32	19	-25	-62	-62	77
7	-18	-8	32	21	-25	-62	-62	77
8	-18	-8	32	21	-25	-63	-62	77
0	-18	-8	33	22	-25	-63	-64	77
6	-20	-8	34	21	-27	-62	-63	79
7	-18	-8	33	22	-25	-62	-62	77
8	-18	-8	35	23	-25	-64	-62	78
6	-18	-9	36	21	-26	-64	-64	78
2	-18	-8	33	22	-25	-63	-62	77
6	-18	-10	36	21	-26	-63	-64	77
7	-20	-8	38	22	-27	-60	-62	76
5	-20	-9	41	24	-27	-62	-62	75
2	-18	-11	40	22	-25	-62	-62	74
3	-20	-9	41	21	-27	-62	-62	73
8	-32	-25	17	3	-39	-61	-61	42
7	-34	-26	15	5	-37	-62	-61	42
8	-34	-27	16	3	-37	-64	-62	41
8	-34	-26	14	4	-37	-62	-62	42
8	-34	-25	15	5	-40	-62	-61	41
8	-34	-27	16	3	-39	-64	-60	40
8	-34	-25	14	3	-37	-60	-62	40
8	-34	-26	15	1	-37	-62	-61	40
8	-34	-25	14	5	-39	-62	-61	40
8	-32	-26	14	4	-37	-62	-62	40
8	-34	-26	15	5	-37	-62	-61	40
8	-34	-27	16	3	-38	-61	-60	39
8	-34	-25	15	3	-38	-61	-61	42
8	-34	-25	31	10	-37	-57	-59	40
8	-34	-22	34	20	-39	-60	-60	38
8	-34	-22	37	24	-37	-60	-62	38
8	-32	-22	38	34	-38	-61	-60	37
8	-34	-20	3	3	-34	-57	-56	10
8	-34	-20	5	2	*	*	*	*
8	-34	-22	1	1	-34	-56	-60	10
8	-32	-21	1	-1	-34	-54	-57	9
8	-34	-22	1	-1	-34	-57	-57	9
8	-34	-22	0	-2	-34	-56	-58	8

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CN	4-12 2STAGE hYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	U
46	47	*	-4	-34	-20	
47	45		-6	-34	-22	
48	48		-6	-34	-22	
49	*		*	*	*	
51	45		-8	-34	-20	
52	43		-8	-34	-22	
53	44		-8	-34	-22	
54	45		-11	-34	-20	
55	42		-9	-34	-21	
56	*		*	*	*	
58	39		-14	-31	-18	
59	33		-17	-29	-18	
60	31		-19	-31	-15	
61	33		-20	-29	-15	
62	*		*	*	*	
64	33		-19	-24	-9	
65	34		-19	-24	-10	
66	34		-19	-28	-9	
67	34		-19	-24	-8	
68	31		10	-24	-8	
69	31		31	-25	-6	
70	32		40	-22	-4	
71	36		47	-22	-3	
72	38		58	-24	1	
73	45		64	-22	-1	
74	49		71	-22	1	
75	53		77	-22	3	
76	60		81	-20	3	
77	65		86	-20	4	
78	69		90	-19	5	
79	73		93	-18	5	
80	76		96	-20	6	
81	75		101	-18	8	
82	81		102	-16	6	
83	86		107	-18	8	
84	87		109	-17	9	
85	97		115	-15	8	
86	99		117	-15	10	
87	108		126	-13	8	
88	109		128	-15	10	
89	115		134	-12	10	
90	116		135	-13	11	
91	119		138	-11	12	
92	121		139	-10	13	
93	126		141	-9	13	
94	126		143	-9	11	
95	127		144	-9	13	
96	130		146	-8	14	
97	131		149	-8	12	
98	132		149	-8	15	

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4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. WINCH PUMP SERVO INLET DEG.F
-34	-20	-1	-3	-34	-57	-56	7
-34	-22	-2	-2	-34	-58	-58	8
-34	-22	-2	-2	-31	-56	-57	8
*	*	*	*	*	*	*	*
-34	-20	-2	-5	-33	-57	-56	6
-34	-22	-4	-6	-34	-56	-58	5
-34	-22	-3	-6	-34	-58	-57	5
-34	-20	-4	-8	-34	-56	-59	4
-34	-21	-4	-6	-32	-58	-57	5
*	*	*	*	*	*	*	*
-31	-18	-7	-11	-31	-54	-56	3
-29	-18	-11	-13	-31	-57	-54	2
-31	-15	-13	-15	-28	-56	-54	2
-29	-15	-13	-16	-27	-57	-56	10
*	*	*	*	*	*	*	*
-24	-9	-8	-13	-25	-55	-54	31
-24	-10	-5	-11	-22	-54	-53	31
-25	-9	-4	-10	-22	-56	-54	34
-24	-8	10	-6	-22	-54	-52	38
-24	-8	20	12	-25	-54	-56	38
-25	-6	23	19	-21	-56	-52	44
-22	-4	22	24	-22	-54	-56	43
-22	-3	22	31	-22	-54	-56	47
-24	1	23	33	-19	-57	-54	51
-22	-1	25	34	-20	-56	-56	53
-22	1	28	38	-20	-56	-54	55
-22	3	31	40	-19	-57	-53	56
-20	3	33	44	-18	-53	-56	61
-20	4	38	47	-18	-55	-54	63
-19	5	41	49	-18	-56	-54	66
-18	5	43	55	-17	-53	-56	68
-20	6	47	56	-17	-53	-55	68
-18	8	52	57	-16	-56	-54	62
-16	6	56	59	-17	-54	-54	69
-18	8	58	64	-19	-56	-54	66
-17	9	59	64	-15	-56	-53	58
-15	8	58	69	-13	-53	-53	49
-15	10	55	67	-15	-56	-54	48
-13	8	68	82	-13	-54	-54	40
-15	10	56	78	-12	-57	-56	41
-12	10	71	81	-12	-57	-53	38
-13	11	69	78	-10	-57	-56	38
-11	12	75	86	-8	-53	-55	39
-10	13	66	83	-9	-57	-56	36
-9	13	74	84	-8	-54	-54	36
-9	11	75	83	-8	-58	-54	35
-9	13	78	92	-6	-56	-56	36
-8	14	71	86	-8	-57	-56	33
-8	12	80	87	-6	-54	-54	35
-8	15	77	86	-7	-58	-54	34

CN	4-12 2STAGE HYD. PUMP INLET TEMP DEG.F	4-13 2STAGE HYD. PUMP OUTLET TEMP DEG.F	4-14 2STAGE HYD. AFT SERVO CYL. DEG.F	4-15 2STAGE AFCS (COLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4- UT HY PU IN TE DE
99	133	*	151	-8	14	
100	135		151	-7	16	
101	137		151	-6	17	
102	136		153	-5	16	
103	138		153	-6	17	
104	140		155	-6	17	
105	141		155	-6	19	
106	141		157	-5	16	
107	142		157	-4	17	
108	142		157	-4	17	
109	144		159	-3	19	
110	144		159	-4	19	
111	144		159	-3	19	1
112	146		160	-2	19	
113	146		161	-3	20	1
114	146		163	-2	19	1
115	146		161	-2	19	1
116	147		161	-1	19	1
117	147		164	-1	18	1
118	149		165	-3	21	1
119	151		164	0	20	1
120	153		166	1	22	1
121	151		166	-2	21	1
122	151		168	1	21	1
123	151		168	2	20	
124	153		168	1	23	
125	154		167	1	22	
126	155		165	1	23	
127	151		154	1	20	
128	151		146	0	21	
129	148		139	-1	19	
130	149		133	1	20	
131	148		129	-1	18	
132	150		121	1	19	
133	148		118	1	19	
134	*		*	*	*	

1795

1

4-15 2STAGE AFCS (CCLL. /YAW CHAN) DEG.F	4-16 2STAGE AFCS (PITCH /ROLL CHAN) DEG.F	4-17 UTIL. HYD. PUMP INLET TEMP DEG.F	4-18 UTIL. HYD. PUMP OUTLET TEMP DEG.F	4-19 UTIL. STAGE AFCS (P/R CHAN) DEG.F	4-20 1STAGE ROTARY RUDDER INLET TEMP DEG.F	4-21 UTIL. ROTARY RUDDER INLET TEMP DEG.F	4-22 HYD. MACH PUMP SERVO INLET DEG.F
-8	14	86	89	-5	-58	-57	33
-7	16	89	93	-6	-57	-56	33
-6	17	90	93	-6	-57	-56	32
-5	16	92	97	-4	-56	-54	33
-6	17	93	99	-3	-55	-56	32
-6	17	95	99	-3	-57	-56	31
-6	19	93	101	-3	-56	-56	32
-5	16	95	102	-1	-56	-57	33
-4	17	96	103	-4	-58	-54	34
-4	17	96	104	-2	-56	-56	32
-3	19	99	105	-3	-57	-54	33
-4	19	99	106	-3	-54	-54	32
-3	19	101	106	-3	-57	-53	32
-2	19	99	108	-2	-56	-54	32
-3	20	101	108	-1	-56	-56	33
-2	19	103	111	0	-57	-56	33
-2	19	102	109	1	-57	-56	32
-1	19	105	113	1	-56	-56	32
-1	18	107	113	0	-57	-55	33
-3	21	107	111	0	-57	-54	34
0	20	107	115	1	-56	-55	34
1	22	109	113	1	-57	-53	35
-2	21	109	115	1	-54	-52	35
1	21	109	117	2	-56	-55	33
2	20	110	117	2	-56	-55	35
1	23	109	117	3	-57	-53	37
1	22	111	119	1	-54	-53	36
1	23	111	117	4	-54	-54	38
1	20	107	111	3	-56	-56	35
0	21	103	106	1	-57	-54	36
-1	19	101	105	2	-58	-57	36
1	20	96	101	3	-57	-56	38
-1	18	95	95	2	-59	-58	38
1	19	91	97	1	-57	-57	39
1	19	90	95	1	-58	-57	40
*	*	*	*	*	*	*	*

HH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
26 AUG.70
-65 DEG. F. RUN NO.35
TAPE 287 1 FILE

CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 LTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 LTIL. HYD. HEAT EXCH. OUTLET DEG.F
1	-18	-28	-31
2	-18	-29	-29
3	-18	-31	-30
4	-19	-29	-32
5	-19	-29	-31
6	-18	-29	-31
7	-19	-32	-31
8	-19	-28	-29
9	-20	-31	-31
10	-19	-30	-29
11	-20	-31	-30
12	-20	-32	-32
13	-20	-31	-31
14	-20	-29	-29
15	-22	-31	-25
16	-21	-23	-29
17	-23	-20	-29
19	-37	-40	-40
20	-39	-41	-40
21	-37	-42	-41
22	-37	-41	-40
23	-37	-40	-42
24	-37	-42	-40
25	-37	-42	-40
26	-37	-41	-42
27	-37	-40	-42
28	-37	-41	-40
29	-37	-40	-42
30	-37	-42	-41
31	-36	-40	-42
32	-37	-40	-37
33	-36	-39	-36
34	-38	17	-1
35	-38	32	22
36	-37	1	-1
40	*	*	*
42	-37	-4	-2
43	-38	-3	-2
44	-37	-6	-4
45	-38	-5	-4

CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 LTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 LTIL. HYD. HEAT EXCH. OUTLET DEG.F
46	-38	-6	-5
47	-37	-8	-6
48	-37	-8	-6
49	*	*	*
51	-37	-13	-6
52	-37	-15	-8
53	-37	-15	-8
54	-37	-15	-8
55	-37	-15	-8
56	*	*	*
58	-35	-15	-9
59	-34	-20	-13
60	-34	-20	-17
61	-31	-20	-18
62	*	*	*
64	-25	-20	-21
65	-25	-20	-21
66	-25	-20	-22
67	-24	-18	-22
68	-26	38	8
69	-25	53	11
70	-26	60	16
71	-27	66	19
72	-24	69	26
73	-24	73	40
74	-25	77	52
75	-26	79	56
76	-24	80	60
77	-25	85	62
78	-25	86	69
79	-24	89	73
80	-24	78	73
81	-24	84	78
82	-24	89	80
83	-25	89	79
84	-23	97	81
85	-22	104	89
86	-22	104	93
87	-22	106	95
89	-22	110	98
89	-22	110	99
90	-22	111	101
91	-21	111	101
92	-20	113	103
93	-20	113	105
94	-19	113	107
95	-19	115	106
96	-19	115	106
97	-19	115	108
98	-20	115	110

1797

CN	4-23 HYD. WINCH PUMP OUTLET TEMP DEG.F	4-24 UTIL. HYD. HEAT EXCH. INLET DEG.F	4-25 UTIL. HYD. HEAT EXCH. OUTLET DEG.F
99	-20	116	108
100	-16	117	111
101	-19	120	111
102	-20	119	111
103	-18	122	113
104	-18	124	114
105	-18	125	115
106	-17	125	116
107	-18	127	117
108	-18	129	119
109	-18	128	121
110	-16	131	120
111	-18	131	121
112	-18	131	122
113	-18	131	123
114	-17	133	124
115	-18	133	124
116	-16	135	127
117	-19	135	127
118	-17	135	127
119	-18	137	128
120	-17	137	129
121	-17	137	129
122	-16	137	131
123	-18	140	131
124	-16	139	129
125	-17	138	131
126	-16	139	133
127	-15	135	128
128	-15	131	122
129	-16	127	119
130	-15	121	115
131	-16	117	113
132	-17	114	109
133	-17	111	106
134	*	*	*

BLL 1

MH-53C LOW SPEED - CLIMATIC
HANGAR (EGLIN A.F.B.)
26 AUG.70
-65 DEG. F. RUN NO.35
TAPE 287 1 FILE

CN	S-22 ELECT. COMPRT NO.1 TEMP DEG.F	S-23 ELECT. COMPRT NO.2 TEMP DEG.F	S-24 ELECT. COMPRT NO.3 TEMP DEG.F	S-25 ELECT. COMPRT NO.4 TEMP DEG.F	S-26 ELECT. COMPRT NO.5 TEMP DEG.F	S-27 ELECT. COMPRT NO.6 TEMP DEG.F	S-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.F
1	-61	-62	-63	-62	-63	-63	-40
2	-62	-62	-63	-63	-63	-63	-39
3	-62	-62	-62	-63	-62	-62	-40
4	-62	-63	-63	-63	-64	-63	-40
5	-62	-61	-63	-63	-64	-63	-40
6	-62	-62	-63	-64	-64	-63	-40
7	-62	-62	-63	-63	-64	-64	-40
8	-63	-63	-62	-64	-63	-63	-40
9	-62	-62	-63	-62	-64	-63	-40
10	-62	-62	-63	-63	-63	-63	-40
11	-62	-62	-64	-64	-63	-63	-40
12	-61	-63	-63	-64	-63	-63	-40
13	-62	-62	-64	-63	-63	-62	-40
14	-61	-62	-63	-63	-62	-62	-39
15	-63	-63	-63	-64	-64	-63	-40
16	-62	-62	-63	-62	-64	-63	-40
17	-62	-63	-64	-64	-63	-63	-40
19	-61	-61	-61	-60	-61	60	-41
20	-60	-62	-62	-61	-60	-61	-41
21	-62	-62	-61	-62	-62	-61	-40
22	-60	-62	-62	-60	-61	-62	-41
23	-61	-60	-62	-62	-61	-60	-40
24	-61	-62	-62	-61	-62	-60	-41
25	-61	-62	-62	-60	-61	-61	-41
26	-60	-61	-62	-62	-62	-61	-41
27	-61	-60	-61	-62	-62	-60	-40
28	-60	-62	-62	-60	-61	-60	-40
29	-60	-60	-62	-61	-61	-61	-41
30	-60	-60	-61	-62	-62	-60	-41
31	-59	-60	-62	-60	-61	-60	-40
32	-61	-59	-61	-61	-60	-60	-40
33	-60	-62	-62	-60	-61	-61	-40
34	-61	-61	-61	-61	-62	-59	-40
35	-61	-60	-60	-61	-60	-60	-41
36	-24	-54	-53	-34	-46	-35	-39
40	*	*	*	*	*	*	*
42	-22	-52	-52	-34	-45	-36	-40
43	-20	-52	-52	-34	-46	-34	-39
44	-20	-52	-52	-32	-45	-34	-40
45	-18	-52	-52	-32	-46	-34	-39

6611

TIC

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5-23 ELECT. MPRT NO.2 TEMP DEG.F	5-24 ELECT. COMPRT NO.3 TEMP DEG.F	5-25 ELECT. COMPRT NO.4 TEMP DEG.F	5-26 ELECT. COMPRT NO.5 TEMP DEG.F	5-27 ELECT. COMPRT NO.6 TEMP DEG.F	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.F	5-02 TIME MIN.	5-03 TIME SEC.
-62	-63	-62	-63	-63	-40	0	12
-62	-63	-63	-63	-63	-39	0	32
-62	-62	-63	-62	-62	-40	0	52
-63	-63	-63	-64	-63	-40	1	12
-61	-63	-63	-64	-63	-40	1	32
-62	-62	-64	-64	-63	-40	1	53
-62	-63	-63	-64	-64	-40	2	13
-63	-62	-64	-63	-63	-40	2	33
-62	-63	-62	-64	-63	-40	2	53
-62	-63	-63	-63	-63	-40	3	13
-62	-64	-64	-63	-63	-40	3	33
-63	-63	-64	-63	-63	-40	3	53
-62	-64	-63	-63	-62	-40	4	13
-62	-63	-63	-62	-62	-39	4	33
-63	-63	-64	-64	-63	-40	4	54
-62	-63	-62	-64	-63	-40	5	14
-63	-64	-64	-63	-63	-40	5	34
-61	-61	-60	-61	-60	-41	9	55
-62	-62	-61	-60	-61	-41	10	15
-62	-61	-62	-62	-61	-40	10	35
-62	-62	-60	-61	-62	-41	10	55
-60	-62	-62	-61	-60	-40	11	15
-62	-62	-61	-62	-60	-41	11	35
-62	-62	-60	-61	-61	-41	11	55
-61	-62	-62	-62	-61	-41	12	15
-60	-61	-62	-62	-60	-40	12	35
-62	-62	-60	-61	-60	-40	12	56
-60	-62	-61	-61	-61	-41	13	16
-60	-61	-62	-62	-60	-41	13	36
-60	-62	-60	-61	-60	-40	13	56
-59	-61	-61	-60	-60	-40	14	16
-62	-62	-60	-61	-61	-40	14	36
-61	-61	-61	-62	-59	-40	14	56
-60	-60	-61	-60	-60	-42	15	16
-54	-53	-34	-46	-35	-39	29	18
*	*	*	*	*	*	*	*
-52	-52	-34	-45	-36	-40	30	18
-52	-52	-34	-46	-34	-38	30	38
-52	-52	-32	-45	-34	-40	30	58
-52	-52	-32	-46	-34	-39	31	18

CN	5-22 ELECT. COMPRT NO.1 TEMP DEG.F	5-23 ELECT. COMPRT NO.2 TEMP DEG.F	5-24 ELECT. COMPRT NO.3 TEMP DEG.F	5-25 ELECT. COMPRT NO.4 TEMP DEG.F	5-26 ELECT. COMPRT NO.5 TEMP DEG.F	5-27 ELECT. COMPRT NO.6 TEMP DEG.F	5-2 L.MAI FUE CEL 1/3LV TEM DEG.
46	-19	-51	-52	-33	-46	-35	-40
47	-18	-52	-51	-34	-46	-35	-39
48	-18	-49	-51	-34	-44	-35	-39
49	-16	-50	-50	-36	-45	-37	-40
51	-16	-49	-50	-37	-45	-38	-40
52	-16	-49	-52	-38	-45	-38	-40
53	-15	-49	-51	-37	-45	-39	-40
54	-15	-49	-50	-39	-45	-39	-39
55	-15	-49	-49	-38	-46	-39	-40
56	*	*	*	*	*	*	*
58	-5	-43	-46	-29	-35	-28	-39
59	-4	-43	-44	-30	-40	-31	-39
60	0	-41	-43	-33	-41	-34	-39
61	1	-40	-43	-34	-41	-36	-37
62	*	*	*	*	*	*	*
64	37	-23	-20	45	47	33	-38
65	38	-23	-18	50	51	35	-37
66	40	-22	-19	51	52	37	-37
67	42	-20	-16	54	56	41	-36
68	41	-20	-15	55	60	40	-37
69	43	-19	-17	56	60	42	-37
70	45	-18	-15	58	60	45	-36
71	44	-18	-13	59	60	45	-37
72	46	-16	-13	61	62	45	-37
73	45	-15	-14	60	65	47	-38
74	47	-13	-12	63	64	47	-38
75	47	-13	-11	63	64	47	-38
76	47	-12	-11	67	67	49	-38
77	49	-11	-10	66	69	51	-38
78	49	-11	-10	67	69	51	-38
79	45	-11	-12	45	46	24	-38
80	42	-12	-15	28	28	20	-38
81	41	-13	-15	21	18	10	-38
82	40	-14	-17	15	12	8	-38
83	38	-14	-18	14	11	1	-38
84	45	-13	-14	40	40	27	-38
85	50	-8	-4	59	62	48	-38
86	51	-6	-2	60	63	48	-38
87	55	-1	1	62	67	61	-38
88	57	-1	3	64	69	63	-38
89	57	3	5	63	69	67	-38
90	58	3	6	65	72	67	-38
91	58	5	5	63	70	67	-38
92	59	5	7	64	73	67	-38
93	60	6	8	66	72	69	-38
94	60	7	8	67	73	69	-38
95	60	9	10	67	73	71	-38
96	60	8	10	66	73	69	-38
97	60	10	10	67	73	69	-38
98	61	10	11	67	73	70	-38

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5-23 ELECT. COMPRT NO.2 TEMP DEG.F	5-24 ELECT. COMPRT NO.3 TEMP DEG.F	5-25 ELECT. COMPRT NO.4 TEMP DEG.F	5-26 ELECT. COMPRT NO.5 TEMP DEG.F	5-27 ELECT. COMPRT NO.6 TEMP DEG.F	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.F	5-02 TIME MIN.	5-03 TIME SEC.
-51	-52	-33	-46	-35	-40	31	38
-52	-51	-34	-46	-35	-39	31	59
-49	-51	-34	-44	-35	-39	32	19
-50	-50	-36	-45	-37	-40	*	*
-49	-50	-37	-45	-38	-40	33	19
-49	-52	-38	-46	-38	-40	33	39
-49	-51	-37	-45	-39	-40	33	59
-49	-50	-39	-45	-39	-39	34	19
-49	-49	-38	-46	-39	-40	34	39
*	*	*	*	*	*	*	*
-43	-46	-29	-35	-28	-39	38	4
-42	-44	-30	-40	-31	-39	40	46
-41	-43	-33	-41	-34	-39	43	27
-40	-43	-34	-41	-36	-37	46	9
*	*	*	*	*	*	*	*
-23	-20	45	47	33	-38	51	20
-23	-18	50	51	35	-37	51	40
-22	-15	51	52	37	-37	52	1
-20	-16	54	56	41	-36	52	21
-20	-15	55	60	40	-37	52	41
-19	-17	56	60	42	-37	53	2
-18	-15	56	60	45	-38	53	22
-18	-13	59	60	45	-37	53	42
-16	-13	61	62	45	-37	54	3
-13	-14	60	65	47	-38	54	23
-13	-12	63	64	47	-37	54	43
-13	-11	63	64	47	-38	55	3
-12	-11	67	67	49	-38	55	24
-11	-10	66	69	51	-37	55	44
-11	-10	67	69	51	-37	56	4
-11	-12	45	46	24	-39	56	25
-12	-15	28	28	20	-36	56	45
-13	-15	21	18	10	-37	57	5
-14	-17	15	12	3	-38	57	26
-14	-18	14	11	1	-38	57	46
-13	-14	40	40	27	-38	58	6
-8	-4	59	62	48	-37	59	12
-6	-2	60	63	48	-37	59	34
-1	1	62	67	61	-37	61	6
-1	3	64	69	63	-37	61	26
3	5	63	69	67	-39	62	51
3	6	65	72	67	-37	63	12
5	5	63	70	67	-37	63	32
5	7	64	73	67	-37	64	13
6	8	66	72	69	-39	65	9
7	8	67	73	69	-37	65	30
9	10	67	73	71	-38	65	7
8	10	66	73	69	-38	66	28
10	10	67	73	69	-38	67	16
10	11	67	73	70	-37	67	42

CN	S-22 ELECT. COMPRT NO.1 TEMP DEG.F	S-23 ELECT. COMPRT NO.2 TEMP DEG.F	S-24 ELECT. COMPRT NO.3 TEMP DEG.F	S-25 ELECT. COMPRT NO.4 TEMP DEG.F	S-26 ELECT. COMPRT NO.5 TEMP DEG.F	S-27 ELECT. COMPRT NO.6 TEMP DEG.F
99	62	11	11	68	76	71
100	61	12	12	66	75	71
101	63	12	12	67	75	69
102	62	12	12	66	77	73
103	63	13	14	66	75	71
104	63	12	12	67	75	68
105	63	13	12	69	77	67
106	63	14	14	69	77	67
107	63	13	14	67	75	67
108	63	14	16	70	77	66
109	63	15	15	68	76	66
110	64	15	15	68	75	69
111	64	16	15	69	77	70
112	64	16	15	68	75	71
113	64	16	16	69	77	73
114	64	16	17	69	78	72
115	65	17	16	67	77	73
116	66	17	17	68	77	71
117	64	17	17	69	78	74
118	65	19	18	70	77	73
119	66	18	18	69	77	74
120	65	18	19	69	79	73
121	66	19	18	69	77	73
122	65	19	19	69	76	73
123	64	19	19	64	73	70
124	62	19	18	62	70	67
125	61	19	19	53	54	55
126	60	17	14	31	20	33
127	58	15	12	23	8	19
128	56	14	10	19	1	12
129	56	13	10	9	-5	8
130	53	12	9	8	-8	3
131	52	12	7	3	-11	1
132	51	10	6	-2	-15	0
133	51	10	5	1	-16	-4
134	*	*	*	*	*	*

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5-23 ELECT. COMPRT NO.2 TEMP DEG.F	5-24 ELECT. COMPRT NO.3 TEMP DEG.F	5-25 ELECT. COMPRT NO.4 TEMP DEG.F	5-26 ELECT. COMPRT NO.5 TEMP DEG.F	5-27 ELECT. COMPRT NO.6 TEMP DEG.F	5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.F	5-02 TIME MIN.	5-03 TIME SEC.
11	11	68	76	71	-37	68	8
12	12	66	75	71	-38	68	28
12	12	67	75	69	-38	68	48
12	12	66	77	73	-35	69	8
13	14	66	75	71	-39	69	29
12	12	67	75	68	-39	69	49
13	12	69	77	67	-38	70	9
14	14	69	77	67	-38	70	29
13	14	67	75	67	-39	70	49
14	16	70	77	66	-37	71	9
15	15	68	76	66	-37	71	29
15	15	68	75	69	-39	71	49
16	15	69	77	70	-38	72	10
16	15	68	75	71	-39	72	30
16	16	69	77	73	-39	72	50
16	17	69	78	73	-39	73	10
17	16	67	77	73	-40	73	30
17	17	68	77	71	-38	73	50
17	17	69	78	74	-38	74	10
19	18	70	77	73	-38	74	30
18	18	69	77	74	-37	74	50
18	19	69	79	73	-37	75	11
19	18	69	77	73	-37	75	31
19	19	69	76	73	-38	75	51
19	19	64	73	70	-38	76	11
19	18	62	70	67	-37	76	31
19	19	59	54	55	-37	76	51
17	14	31	20	33	-39	77	11
15	12	23	8	19	-39	77	31
14	10	19	1	12	-38	77	51
13	10	9	-5	8	-39	78	11
12	9	8	-8	3	-38	78	31
12	7	3	-11	1	-40	78	51
10	6	-2	-15	0	-39	79	11
10	5	1	-16	-4	-39	79	32
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