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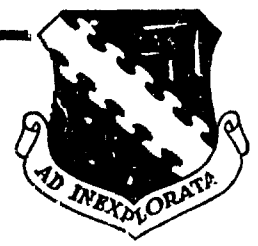
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APPENDIX VII
CATEGORY II ARCTIC TESTS
OF THE
HH-53C HELICOPTER

JOHN L. BARBAGALLO
Systems Engineer

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TECHNICAL REPORT No. 71-12

MAY 1973

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APPENDIX VII.

6 CATEGORY II ARCTIC TESTS OF THE HH-53C HELICOPTER.

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JOHN L. BARBAGALLO
Systems Engineer

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FOREWORD

This appendix presents selected detailed test data accumulated during the arctic phase of the Category II Climatic Tests, conducted from 5 January to 26 February 1971. Test results, conclusions and recommendations are presented in the basic report: Category II Arctic Tests of the HH-53C Helicopter, FTC-TR-71-12, April 1971.

Test authority for the program was AFSC Project 482A, AFPTC Project Directive No. 71-24.

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

Prepared by

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list of abbreviations

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

TEST SYNOPSIS AND DATA

GENERAL

The arctic test phase consisted of 21 tests: fourteen test flights (29.6 test flight hours); five aborted test flights; and two ground tests.

Data available from these tests are as follows:

| Run No. | 1 to 3 | 4 | 5 | 6 | 7 | 8 to 13 | 14 to 21 |
|--------------------|--------|-----|-----|-----|-----|---------|----------|
| Digital Data | Yes | No | Yes | No | Yes | No | Yes |
| Photorecorder Data | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

A summary of all the tests is presented in table I. Five test runs were selected as yielding the best data. These were runs 2, 3, 4, 7, and 21. Data from these selected tests are presented in this appendix. Portions of the data have been deleted when it was evident that errors existed because of instrumentation malfunction. It should be noted that the instrumentation system functioned with difficulty when operating below 0 degrees F, consequently, the data are deficient in one or more of the following areas:

1. They may not include initial start data.
2. When they do include initial start data, not all temperatures are truly representative. Aircraft component temperatures were inadvertently raised by heat that had to be applied to the instrumentation system to permit it to operate.
3. Digital data are not available for all of the tests. The digital recording system was not operated for some of the tests to avoid any chance of applied heat having an adverse affect on test results. As a compromise, in this case, the photorecorder was operated alone because it could be operated with little or no applied heat.

AIRCRAFT INSTRUMENTATION

The aircraft instrumentation consisted of a low speed digital tape recording system and a photorecorder mounted on a test table. All of these were connected to the aircraft test instrumentation wiring in the aircraft. The Air Force furnished the instrumentation systems and the contractor (Sikorsky Aircraft Corporation) instrumented the aircraft (reference 1). The photorecorder was capable of recording much faster than the digital tape recording system and therefore was particularly useful for recording data during APP and engine starts. Excluding the reference and time parameters, there were approximately 195 parameters recorded on the digital tape recording system.

The aircraft test instrumentation was normally operated for each test mission from preflight to after engine shutdown.

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

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

Data reduction of the information recorded on the digital tape was accomplished by utilizing computer processing, resulting in data printed in tabular format. The computer processing system also provided the capability of selected data printout in graphical format. The selected photorecorder data were reduced by hand and are presented in tabular form.

GROUND STATION INSTRUMENTATION

The following ground station instrumentation was used:

Arctic test ambient air temperature - A continuous reading recorder was used to record the ambient air temperature near the aircraft. Recordings were taken 24 hours a day.

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

PARAMETER LISTING

The aircraft test parameters are listed as follows:

Table II - Photo Recorder

Table III - Digital Magnetic Tape Recording System

HOW TO USE THE TABULATED DIGITAL DATA

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

Elapsed time is given in minutes and seconds (hours for soak data). The first column of numbers on each page is entitled SWEEP COUNT. This column lists the number of times that the test parameters have been sampled at any particular time. The numbers in the column are referred to as counter numbers (C/N). The counter numbers are cumulative and are used to identify events and to correlate data with events. The correlation of the data trends throughout each test is made by referring to the applicable event

sheet for the tabulated data for each flight, noting the counter number at which an event took place, and then referring to the data at that counter number. The elapsed time between counter numbers is normally about 20 seconds, but could be varied by the operator.

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

Table I
SUMMARY OF ARCTIC TESTS

| Test | Date (1971) | Soak Time (hr) | Soak Temperature (deg F) | | | Tests Accomplished | Flight Hours | Comment |
|------|-------------|----------------|--------------------------|------|-----|--|--------------|--|
| | | | Average | High | Low | | | |
| 1 | 7 Jan | 22 | -30 | -20 | -38 | Aborted | 0.0 | Modified intermediate gear box installed prior to this test. Ground abort due to utility hydraulic system reservoir leak. |
| 2 | 9 Jan | 17 | -40 | -40 | -48 | Aircrew familiarization and aircraft ground and flight check. | 1.6 | Original utility hydraulic system reservoir repaired, checked and reinstalled prior to this test. |
| None | 10 Jan | 19 | -40 | -39 | -44 | Aborted | 0.0 | Ground abort due to APP/heater fire extinguisher bottle pressure leak. |
| 3 | 15 Jan | 35 | -40 | -35 | -49 | Static temperature survey, simulated emergency flight without heater and systems evaluation. | 1.1 | Modified APP start valve installed prior to this test. |
| 4 | 16 Jan | 17 | -50 | -46 | -53 | Aborted | 0.0 | Ground abort due to APP clutch shaft failure. |
| 5 | 19 Jan | 2 | -38 | -38 | -39 | Short cold soak effects, navigation/communication test, machmeter/cruise test, and rescue procedures test. | 1.7 | Heavy duty APP clutch installed prior to test. |
| 6 | 20 Jan | 18 | -38 | -30 | -43 | Heavy snow evaluation. | 1.5 | - - - |
| 7 | 21 Jan | 18 | -43 | -30 | -45 | Rescue/hover tests, Doppler tests, Machmeter cruise tests and altitude/temperature survey. | 1.7 | - - - |
| 8 | 22 Jan | 19 | -35 | -32 | -42 | Aborted | 2.0 | - - - |
| 9 | 23 Jan | 18 | -50 | -42 | -64 | Rescue tests and systems evaluation. | 0.0 | Ground abort due to 2nd stage hydraulic coupling leak. |
| 10 | 24 Jan | 19 | -55 | -46 | -60 | Rescue tests and ILS, FM radio tests. | 1.3 | - - - |
| 11 | 27 Jan | 1 | -45 | -44 | -47 | Short cold soak effects and EARS tests over snow. | 0.7 | - - - |
| 12 | 28 Jan | 17 | -50 | -45 | -56 | Cargo/troop resupply profile. | 1.4 | - - - |
| 13 | 29 Jan | 15 | -50 | -50 | -55 | APP ground test. | 0 | - - |
| 14 | 4 Feb | 14 | -25 | -16 | -34 | Rescue hoist tests and loud hailer tests. | 1.4 | Utility reservoir replaced prior to this test. |
| 15 | 14 Feb | 11 | -30 | -27 | -37 | Aborted | 0.0 | Modified APP speed monitor switch installed prior to this test. Ground abort due to malfunction of APP start valve and heater combustion blower motor. |
| 16 | 16 Feb | 6 | -20 | -14 | -24 | Engine ground run survey, gun firing, Machmeter cruise, engine topping, military power climb, and auto-rotation. | 2.7 | - - - |
| 17 | 17 Feb | 20 | -10 | -5 | -14 | Tethered hover performance and cargo hook tests. | 1.7 | - - - |

Table I (continued)

| Test | Date (1971) | Soak Time (hr) | Average | High | Low | Tests Accomplished | Flight Hours | Comment |
|-------|----------------|----------------------|---------|------|-----|--|-----------------|---|
| 18-19 | 23 Feb | 15 | -10 | +7 | -18 | Aerial refueling, low speed/high speed, high altitude cruise, engine shutdown/restart in flight, engine topping, and navigation/communication tests. | 6.4 | Rotor head/swash plate replaced prior to this test. Steel primary flight control servos installed prior to this test. |
| 20 | 24 Feb | 20 | -22 | -19 | -22 | Gun firing tests, low altitude/high speed cruise, tether hover performance tests, and landing gear emergency extension tests. | 4.4 | - - - |
| 21 | 25 Feb | 12 | -40 | -34 | -44 | Systems ground test, APP, APP speed monitor, steel servos, utility reservoir, and heater survey. | N/A | - - - |

Table II

PARAMETERS RECORDED ON THE PHOTO RECORDER

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

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

Table II (Continued)

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

¹Disconnected 10 September 1971.

²February 1971 (Arctic test 14) and later.

³21 March 1971 (icing test 1) to 24 May 1971.

⁴10 September 1971 and later.

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

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

Table III

PARAMETERS RECORDED ON THE DIGITAL
MAGNETIC TAPE RECORDING SYSTEM

| Switch Box Pos. No. | Parameter Measured | Sikorsky Item No. |
|------------------------------|--|----------------------|
| Switch Box No. 1 (Pressures) | | |
| 1-01 | Sweep counter No. | X |
| 1-02 | Time (min) | X |
| 1-03 | Time (sec) | X |
| 1-04 | Free air temp, °C ¹ | 4 |
| 1-05 | No. 1 engine gas generator rpm, (N _g), pct | 9 |
| 1-06 | No. 1 engine fuel flow, lb/hr or gal/hr ² | 10 |
| 1-07 | No. 1 engine torque, pct | 11 |
| 1-08 | No. 1 engine power turbine speed, (N _f), pct | 12 |
| 1-09 | No. 1 engine turbine temp (T ₅), °C | 13 |
| 1-10 | No. 2 engine gas generator rpm, (N _g), pct | 14 |
| 1-11 | No. 2 engine fuel flow, lb/hr or gal/hr ² | 15 |
| 1-12 | No. 2 engine torque, pct | 16 |
| 1-13 | No. 2 engine power turbine speed, (N _f), pct | 17 |
| 1-14 | No. 2 engine turbine inlet temperature, (T ₅), °C | 18 |
| 1-15 | Main rotor rpm, pct | 19 |
| 1-16 | OPEN | X |
| 1-17 | LH throttle position, pct travel | 20 |
| 1-18 | RH throttle position, pct travel | 21 |
| 1-19 | No. 1 engine oil pump outlet press., psig | 58 |
| 1-20 | No. 1 engine scavenge pump out outlet press., psig | 59 |
| 1-21 | No. 1 engine fuel boost pump outlet press., (before A/C fuel filter), psig | 61 |
| 1-22 | No. 1 engine nose gearbox oil press., psig | 66 |
| 1-23 | Accessory gearbox oil press., psig | 69 |
| 1-24 | Main gearbox oil press., psig | 71 |
| 1-25 | No. 1 engine bleed air press., psig | 110 |
| 1-26 | No. 1 engine fuel pump inlet press., psig | 64 |
| 1-27 | Voltage reference | X |
| 1-28 | OPEN | X |
| 1-29 | OPEN | X |

Table III (Continued)

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

Table III (Continued)

| Switch Box Pos. No. | Parameter Measured | Sikorsky Item No. |
|--|--|----------------------|
| Switch Box No. 3 (Temperatures) (I.C.) | | |
| 3-01 | Sweep counter No. | X |
| 3-02 | Time (min) | X |
| 3-03 | Time (sec) | X |
| 3-04 | Temp reference | X |
| 3-05 | Air temp into heater, °C or F | 76 |
| 3-06 | Heater air temp out of plenum chamber, °C or F | 77 |
| 3-07 | Heater main distribution duct air temp - left side forward, °C or F | 79 79 |
| 3-08 | Heater main distribution duct air temp - right side forward, °C or F | 80 |
| 3-09 | Heater distribution duct overhead outlet air temp - cockpit left side, °C or F | 81 |
| 3-10 | Heater distribution duct overhead outlet air temp - cockpit right side, °C or F | 82 |
| 3-11 | Heater distribution duct outlet air temp sta- tion 460-470-right side, °C or F | 83 |
| 3-12 | Distribution duct outlet air temp station 460-470-left side, °C or F | 84 |
| 3-13 | Pilot head-level air temp, °C or F | 85 |
| 3-14 | Pilot waist level air temp, °C or F | 86 |
| 3-15 | Pilot foot-level air temp, °C or F | 87 |
| 3-16 | Pilot floor mass temp, °C or F | 88 |
| 3-17 | Copilot head-level air temp, °C or F | 89 |
| 3-18 | Copilot waist-level air temp, °C or F | 90 |
| 3-19 | Copilot, foot-level air temp, °C or F | 91 |
| 3-20 | Copilot floor mass temp, °C or F | 92 |
| 3-21 | Cargo area, forward - head-level air temp, °C or F | 93 |
| 3-22 | Cargo area, forward - waist-level air temp, °C or F | 94 |
| 3-23 | Cargo area, forward - foot-level air temp, °C or F | 95 |
| 3-24 | Cargo area, forward - floor mass temp, °C or F | 96 |
| 3-25 | Cargo area, aft - head-level air temp, °C or F | 97 |
| 3-26 | Cargo area, aft - waist-level air temp, °C or F | 98 |
| 3-27 | Cargo area, aft - foot-level air temp, °C or F | 99 |
| 3-28 | Cargo area, aft floor mass temp, °C or F | 100 |
| 3-29 | OPEN | X |

Table III (Continued)

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

Table III (Continued)

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

Table III (Continued)

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

Table III (Continued)

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

Table III (Continued)

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

Table III (Continued)

| Switch Box Pos. No. | Parameter Measured | Sikorsky Item No. |
|---|--|----------------------|
| Switch Box No. 7 (Temperatures) (C.A.) (No. 1 Engine) (Concluded) | | |
| 7-26 | (GET-23) power turbine case temp forward of aft flange (8 o'clock position), °C | 184 |
| | (GET-23) engine oil cooler outlet oil temp, °C ⁷ | 184 |
| 7-27 | (GET-24) power turbine case temp forward of aft flange (12 o'clock position), °C | 185 |
| 7-28 | (GET-25) T ₅ harness temp underside of junction box | 186 |
| 7-29 | OPEN | X |
| Switch Box No. 8 (Temperatures) (C.A.) (No. 2 Engine) | | |
| 8-01 | Sweep Counter No. | X |
| 8-02 | Time (min) | X |
| 8-03 | Time (sec) | X |
| 8-04 | OPEN | X |
| 8-05 | (GET-26) ignition exciter mount temp, °C | 187 |
| | (GET-27) ignition exciter skin inboard temp, °C* | 188 |
| | (GET-26) OPEN ⁹ | 187 |
| 8-06 | (GET-27) ignition exciter skin inboard temp, °C | 188 |
| | (GET-26) ignition exciter mount temp, °C ² | 188 |
| | (GET-27) OPEN ⁹ | 188 |
| 8-07 | (GET-27) ignition exciter skin outboard temp, °C | 189 |
| | (GET-28) lube pump inlet oil temp, °C ⁷ | 189 |
| | (GET-28) OPEN ⁹ | 189 |
| 8-08 | (GET-29) fuel control case temp, °C | 190 |
| | (GET-29) OPEN ⁹ | 190 |
| 8-09 | (GET-31) lube pump case temp, °C | 192 |
| | (GET-31) scavenge pump outlet oil temp, °C ³ | 192 |
| | (GET-31) OPEN ⁹ | 192 |
| 8-10 | (GET-32) fuel pump case temp, °C | 193 |
| | (GET-32) OPEN ⁹ | 193 |
| 8-11 | (GET-33) compressor 2nd stage case temp (4:30 o'clock position), °C | 194 |
| | (GET-33) OPEN ⁹ | 194 |
| 8-12 | (GET-34) compressor 3rd stage case temp (3 o'clock position), °C | 195 |
| | (GET-34) OPEN ⁹ | 195 |

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

Table III (Continued)

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

Table III (Concluded)

| Switch Box Pos. No. | Parameter Measured | Sikorsky Item No. |
|---|--|----------------------|
| Switch Box No. 8 (Temperatures) (C.A.) (Engine No. 1) (Concluded) | | |
| 8-25 | (GET-47) power turbine case temp forward of aft flange (4 o'clock position), °C | 208 |
| | (GET-47) engine oil cooler inlet oil temp, °C ⁷ | 208 |
| | (GET-47) OPEN ⁵ | 208 |
| 8-26 | (GET-48) power turbine case temp forward of aft flange (8 o'clock position), °C | 209 |
| | (GET-48) OPEN ⁹ | 209 |
| 8-27 | (GET-49) power turbine case temp forward of aft flange (12 o'clock position), °C | 210 |
| | (GET-49) engine oil cooler outlet oil temp, °C ⁷ | 210 |
| | (GET-49) OPEN ⁹ | 210 |
| 8-28 | (GET-50) T ₅ harness temp, underside of junction box (9 o'clock position), °C | 211 |
| | (GET-50) OPEN ⁹ | 211 |
| 8-29 | OPEN | X |

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

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

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

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

⁵Installed 4 February 1971 (arctic test 14).

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

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

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

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

TEST SYNOPSSES, EVENT SHEETS, AND DATA

RUN 2, -45°C/-45°F, 9 JANUARY 1971

Test Synopsis:

Soak time: 17 hours at -40 to -44°C

Start temperature: -41°C

Inflight temperature: -20 to -32°C

Instrumentation: full, valid data obtained

Heat application: 1 hour heating of instrumentation; this resulted in unwanted heating of some aircraft components.

This was the first completed test; run 1 was aborted due to leakage from the utility hydraulic system reservoir. Run 2 was a good baseline test for the arctic test phase.

The instrumentation system would not operate in the extreme cold, and it had to be heated to permit operation. This resulted in unwanted heating of some aircraft components (reference initial start temperatures, particularly in box 3 - that is, parameter numbers starting with 3, such as 3-05). Because of this problem, as mentioned in the Test Synopsis and Data section of this report, use of the instrumentation had to be limited in the following tests to obtain valid data.

Both start accumulators were used for APP starts with 3,000-psi charge pressure.

Pertinent information.

Engine No. 1 has -13 fuel control and EAPS installed.

Engine No. 2 has -13 fuel control and no EAPS.

Engine No. 2 is a replacement engine, newly overhauled with 231 hours total time at overhal. Any comparison with the climatic laboratory test (with original engines) should take this into account.

Defective test parameters not presented (unless indicated otherwise).

1-13 - Engine No. 2 power turbine speed.

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

4-13 - Second stage hydraulic pump outlet temperature.

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

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

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

7-22 - Engine No. 1/nose gearbox oil cooler outlet air temperature

Test parameters not connected or not presented.

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

6-05 and 6-06 - Engine fuel control discharge temperature (not
connected).

Box 8 - Engine No. 2 mass temperatures (not connected because of
an engine change prior to the arctic test phase). Only the engine/
nose gearbox oil cooler air temperature parameters (8-23 and 8-24)
were connected.

Event Sheet:

| <u>CTR</u> | <u>Event</u> |
|------------|---|
| 8 | APP - start |
| 30 | APP - shutdown due to hydraulic fluid leaking from primary servos |
| 42 | APP - restart |
| 70 | Cargo hook - check operation |
| 72 | Rescue hoist - check operation |
| 77 | Radios - check ON then OFF |
| 79 | Heater - ON, MAX HEAT |
| 80 | Primary servos - exercise flight controls until servo leaks stop (about 10 minutes) |
| 98 | AFCS - checked |
| 104-109 | Engine starters - check operation, No. 2 then No. 1 |

Note

Engine No. 1 motored along with Engine
No. 2 even though only No. 2 was selected.

| | |
|-----|---|
| 105 | Heater - CABIN select position |
| 110 | Engine speed trim - checked |
| 115 | Engine No. 2 - start |
| 118 | Flight control and first stage interlock - checked |
| 124 | Engine No. 2 high oil pressure light illuminated for 2 minutes 15 seconds |
| 128 | APP - OFF |
| 129 | Engine No. 1 - start |
| 149 | Engine No. 1 anti-ice - ON, then OFF |
| 152 | Windshield anti-ice - ON, then OFF |

| | |
|---------|---------------------------|
| 160 | Pitot heat - ON, then OFF |
| 183-190 | Taxi |
| 192 | Takeoff |
| 195-327 | Hover tests |

Note

Free air temperature for digital system
(position 1-04) was erroneous during
hover because of its own heater.

| | |
|---------|----------------------|
| 339-372 | Cruise, low altitude |
| 374 | Climb to 300 ft PA |
| 376 | Cruise at 300 ft PA |
| 378 | Climb to 670 ft PA |
| 381 | Cruise at 670 ft PA |

| <u>CTR</u> | <u>Event</u> |
|------------|-------------------------------|
| 385-391 | Descent to -40 ft PA |
| 401-404 | Landings - series of landings |
| 406-412 | Taxi (flying above ground) |
| 413 | Taxi on ground |
| 415 | APP - start, taxi continued |
| 417 | Heater - OFF, taxi continued |
| 427 | Stop |
| 429 | Engine No. 1 - shutdown |
| 433 | Engine No. 2 - shutdown |
| 445-480 | Soakdown - 55-minute soakdown |
| 480 | End test |

PHOTO RECORDER DATA

Run 2, -40°C/-40°F 9 Jan 71
APP Start (First of 3 Starts)

| Digital Ctr No. | Camera Frame No. | Digital Time (sec) | Clock Time | Elapsed Time (sec) | Start Motor Inlet Press. (psig) | Start Motor Outlet Press. (psig) | rpm (pct) | EGT (deg C) | Oil Press. (psig) | Oil Temp (deg C) | Fuel Press. (psig) | Start Light Monitor Position OFF-Start ON-Run |
|-----------------|------------------|--------------------|------------|--------------------|---------------------------------|----------------------------------|-----------|-------------|-------------------|------------------|--------------------|---|
| 8 | 73 | 146 | 1231 | 0.00 | 0 | 0 | 0.0 | 0 | 0 | -20 | 0 | Start |
| ↑ | 76 | 147 | ↑ | 0.75 | 3450 | 0 | 5.0 | 0 | 0 | -20 | 0 | ↑ |
| | 77 | 147 | | 1.00 | 3250 | 0 | 17.0 | 0 | 0 | -20 | 0 | |
| | 78 | 147 | | 1.25 | 3100 | 0 | 15.0 | 0 | 0 | -20 | 0 | |
| | 79 | * | | 1.50 | * | 0 | 18.0 | * | 0 | * | 0 | |
| | 80 | 148 | | 1.75 | * | 0 | 20.0 | * | 0 | * | 0 | |
| | 81 | 148 | | 2.00 | 2650 | 0 | 21.0 | 0 | 0 | -20 | 2 | |
| | 83 | 148 | | 2.50 | 2400 | 0 | 24.0 | 0 | 0 | ↑ | 13 | |
| | 84 | 148 | | 2.75 | 2225 | 0 | 24.0 | 0 | 0 | | 36 | |
| | 86 | 149 | | 3.25 | 1075 | 0 | 28.0 | 40 | 0 | | 37 | |
| | 89 | 150 | | 4.00 | 1800 | 0 | 32.0 | 107 | 4 | | 37 | |
| | 93 | 151 | | 5.00 | 1950 | 30 | 36.0 | 181 | 24 | | 37 | |
| | 95 | 151 | | 5.50 | 1500 | 30 | 38.0 | 207 | 38 | | 37 | |
| | 97 | 153 | | 6.00 | 1400 | 30 | 40.0 | 247 | 50 | | 37 | |
| | 101 | 153 | | 7.00 | 100 | 30 | 50.0 | 321 | 62 | | 38 | |
| | 105 | 153 | | 8.00 | 0 | 30 | 70.0 | 437 | 75 | | 40 | |
| | 107 | 154 | | 8.50 | 0 | 20 | 80.0 | 537 | 83 | | 41 | |
| | 109 | 154 | | 9.00 | 0 | 20 | 85.0 | 551 | 89 | | 42 | |
| | 110 | 155 | | 9.25 | 0 | 20 | 92.0 | 557 | 92 | | 42 | |
| | 111 | 155 | | 9.50 | 0 | 20 | 94.0 | 597 | 95 | | 42 | Start |
| 8 | 112 | 155 | | 9.75 | 0 | 20 | 96.0 | 467 | 96 | | 42 | Run |
| 9 | 113 | 155 | | 10.00 | 0 | 20 | 96.0 | 437 | 98 | | 42 | ↑ |
| ↑ | 114 | 156 | | 10.25 | 0 | 20 | 96.0 | 407 | 98 | | 12 | |
| | 115 | 156 | | 10.50 | 0 | 20 | 96.0 | 387 | 98 | | 42 | |
| | 116 | 156 | | 10.75 | 0 | 20 | 96.0 | 377 | 98 | | 42 | |
| | 117 | 156 | | 11.00 | 0 | 20 | 96.0 | 367 | 98 | | 42 | |
| | 118 | 157 | | 11.25 | 100 | 20 | 97.0 | 363 | 98 | | 42 | |
| | 119 | 157 | | 11.50 | 100 | 20 | 100.0 | 357 | 98 | | 42 | |
| | 120 | 157 | | 11.75 | 25 | 20 | 101.0 | 357 | 98 | | 43 | |
| 9 | 122 | 158 | | 12.25 | 25 | 20 | 101.0 | 343 | 98 | | 43 | |
| ↓ | 138 | 162 | 1231 | 16.25 | 0 | 20 | 101.0 | 317 | 97 | | 45 | |
| 10 | 140 | 176 | 1232 | 30 | 0 | 20 | 101.5 | 313 | 64 | | 42 | |
| 10 | 142 | 178 | 1232 | 32 | 0 | 20 | 101.5 | 315 | 58 | | 42 | |
| 11 | 182 | 206 | 1232 | 60 | 0 | 20 | 101.5 | 311 | 43 | ↓ | 42 | |
| 19 | 200 | 356 | 1235 | 183 | 0 | 20 | 101.5 | 301 | 35 | -20 | 42 | |
| 30 | 211 | 577 | 1239 | 421 | 0 | 20 | 101.5 | 295 | 35 | +20 | 42 | Run |
| 31 | 212 | 597 | 1239 | 451 | 0 | 0 | 12.0 | 137 | 4 | +20 | 31 | Start |
| 32 | 213 | 747 | 1242 | 601 | 0 | 0 | 0.0 | 121 | 3 | +20 | 0 | Start |
| 33 | 214 | 1016 | 1247 | 870 | 0 | 0 | 0.0 | 67 | 2 | +20 | 0 | Start |
| 42 | 233 | 1437 | 1255 | 1109 | 0 | 0 | 0.0 | 35 | 1 | +20 | 0 | Start |

*Defective instrumentation.

PHOTO RECORDER DATA

Jan 2, -40°C/-40°F 3 Jan 71
 Engine No. 1 Start

| Digital Ctr No. | Camera Frame No. | Digital Time | Clock Time | Elapsed Time (min:sec) | Start Motor Inlet Press. (psig) | Start Motor Outlet Press. (psig) | N ₂ (rpm) | T ₅ (deg C) | Torque (psf) | Fuel Control Rich Press. | Fuel Flow (lb/hr) | Start Light |
|-----------------|------------------|--------------|------------|------------------------|---------------------------------|----------------------------------|----------------------|------------------------|--------------|--------------------------|-------------------|-------------|
| 103 | 324 | 3868 | 1338 | 0:00 | 275 | 0 | 0.0 | * | 0 | 0 | 0 | OFF |
| 104 | 325 | 3889 | 1338 | 0:21 | 4100 | 130 | 1.0 | * | ↑ | ↑ | ↑ | ON |
| 105 | 326 | 3909 | 1339 | 0:43 | 275 | 190 | 8.2 | * | ↑ | ↑ | ↑ | ON |
| 106 | 327 | 3930 | 1339 | 1:02 | 275 | 190 | 1.0 | * | ↑ | ↑ | ↑ | ON |
| 107 | 327 | 3950 | 1339 | 1:22 | 4300* | 200 | 7.2 | * | ↑ | ↑ | ↑ | OFF |
| 108 | 327 | 3971 | 1340 | 1:43 | 4300 | 200 | 21.8 | * | ↑ | ↑ | ↑ | ON |
| 109 | 330 | 3992 | 1340 | 2:04 | 50 | 50 | 12.0 | * | ↑ | ↑ | ↑ | OFF |
| 110 | 331 | 4012 | 1341 | 2:24 | 50 | 30 | 1.0 | * | ↑ | ↑ | ↑ | OFF |
| 115 | 336 | 4016 | 1342 | 4:08 | 0 | 0 | 0.0 | * | ↑ | ↑ | ↑ | OFF |
| 129 | 515 | 4417 | 1348 | 0** | 10 | 0 | 0.0 | * | ↑ | ↑ | ↑ | ON |
| 129 | 517 | 4418 | ↑ | 0:01 | 4250 | 175 | 0.0 | * | ↑ | ↑ | ↑ | ON |
| 129 | 518 | 4418 | ↑ | 0:02 | ↑ | 190 | 0.0 | * | ↑ | ↑ | ↑ | ON |
| 129 | 521 | 4420 | ↑ | 0:03 | ↑ | ↑ | 1.0 | * | ↑ | ↑ | ↑ | ON |
| 129 | 524 | 4421 | ↑ | 0:04 | ↑ | ↑ | 5.5 | * | ↑ | ↑ | ↑ | ON |
| 129 | 526 | 4422 | ↑ | 0:05 | ↑ | ↑ | 8.5 | * | ↑ | ↑ | ↑ | ON |
| 129 | 528 | 4423 | ↑ | 0:06 | ↑ | ↑ | 8.2 | * | ↑ | ↑ | ↑ | ON |
| 129 | 532 | 4425 | ↑ | 0:08 | ↑ | ↑ | 12.0 | * | ↑ | ↑ | ↑ | ON |
| 130 | 540 | 4429 | ↑ | 0:12 | ↑ | ↑ | 16.5 | * | ↑ | ↑ | ↑ | ON |
| 130 | 548 | 4433 | ↑ | 0:16 | ↓ | ↓ | 19.5 | * | ↑ | ↓ | ↓ | ON |
| 130 | 552 | 4435 | ↑ | 0:18 | 4250 | ↓ | 19.5 | * | ↑ | 50 | 103 | ON |
| 130 | 560 | 4438 | ↑ | 0:22 | 4200 | ↓ | 24.0 | * | ↑ | 75 | 149 | ON |
| 130 | 564 | 4440 | ↑ | 0:24 | 4200 | ↓ | 29.0 | * | ↑ | 130 | 149 | ON |
| 130 | 572 | 4444 | ↑ | 0:28 | 3650 | ↓ | 38.0 | 60 | 0 | 220 | 196 | ON |
| 130 | 580 | 4448 | ↑ | 0:32 | 3700 | ↓ | 44.0 | 120 | 18 | 220 | 249 | ON |
| 130 | 588 | 4452 | ↑ | 0:36 | 3700 | ↓ | 49.5 | 190 | 220 | 220 | 249 | ON |
| 131 | 594 | 4454 | ↑ | 0:39 | 3700 | 190 | 54.0 | 240 | ↑ | 250 | 299 | OFF |
| 131 | 595 | 4455 | ↑ | 0:39.5 | 750 | 450 | 55.0 | 270 | ↑ | 270 | 299 | OFF |
| 131 | 596 | 4456 | ↓ | 0:40 | 300 | 250 | 56.0 | 258 | ↑ | 270 | 350 | OFF |
| 131 | 604 | 4459 | 1348 | 0:44 | 50 | 60 | 64.0 | 306 | ↑ | 310 | 299 | OFF |
| 132 | 624 | 4468 | 1349 | 0:54 | 25 | 40 | 65.0 | 292 | ↑ | 310 | 299 | OFF |
| 136 | 640 | 4547 | 1350 | 2:33 | 0 | 0 | 65.0 | 280 | ↑ | 310 | 299 | OFF |
| 138 | 642 | 4588 | 1351 | 3:14 | 0 | ↑ | 71.8 | 295 | ↓ | 330 | 359 | OFF |
| 139 | 643 | 4609 | 1351 | 3:35 | ↑ | ↑ | 72.8 | 278 | 18 | 330 | 401 | OFF |
| 140 | 644 | 4629 | 1351 | 3:55 | ↑ | ↑ | 78.0 | 330 | 34 | 360 | 718 | OFF |
| 141 | 645 | 4649 | 1352 | 4:15 | ↑ | ↑ | 79.5 | 382 | 49 | 365 | 821 | OFF |
| 142 | 646 | 4670 | 1352 | 4:36 | ↑ | ↑ | 71.0 | 280 | 18 | 350 | 401 | OFF |
| 143 | 647 | 4690 | 1352 | 4:46 | ↑ | ↑ | 72.5 | 276 | 18 | 350 | 401 | OFF |
| 144 | 648 | 4710 | 1353 | 5:16 | ↑ | ↑ | 77.0 | 300 | 34 | 360 | 508 | OFF |
| 145 | 649 | 4730 | 1353 | 5:36 | ↑ | ↑ | 76.0 | 324 | 34 | 355 | 350 | OFF |
| 147 | 651 | 4771 | 1354 | 6:17 | ↑ | ↑ | 71.5 | 282 | 18 | 330 | 350 | OFF |
| 151 | 655 | 4853 | 1355 | 7:39 | ↑ | ↑ | 77.5 | 328 | 34 | 365 | 615 | OFF |
| 153 | 657 | 4893 | 1356 | 8:19 | ↑ | ↑ | 76.5 | 322 | 34 | 365 | 558 | OFF |
| 155 | 659 | 4934 | 1357 | 9:00 | ↓ | ↓ | 77.5 | 330 | 34 | 365 | 558 | OFF |
| 192 | 696 | 5683 | 1411 | 21:09 | 0 | 0 | 77.5 | 314 | 34 | 370 | 615 | OFF |

*Defective instrumentation.
 **Time reset.

MH-53C S/N 68-10354
 ARCTIC TEST
 9 JANUARY 1971
 RUN NO. 2 -40 DEG C / -40 DEG F

| -01 SHEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 END FREE AIR TEMP | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW | 1-07 ENG.1 TORQUE | 1-08 ENG.1 TURB SPEED RPM | 1-09 ENG.1 TURB INLET TEMP (T-5) | 1-10 ENG.2 RPM (NG) | 1-11 ENG.2 FUEL FLOW | 1-12 ENG.2 TORQUE | 1-14 ENG.2 TURB INLET TEMP (T-5) |
|-----------------------|----------------------|----------------------|------------------------------------|------------------------------|-------------------------------|-------------------------|---------------------------------------|---|------------------------------|-------------------------------|-------------------------|---|
| | | | DEG.C | PERCENT | LBS/HR | PERCENT | PERCENT | DEG.C | PERCENT | LRS/HR | PERCENT | DEG.C |
| 1 | 0 | 0 | -31 | * | * | * | * | * | * | * | * | * |
| 2 | 0 | 15 | -31 | * | * | * | * | * | * | * | * | * |
| 3 | 0 | 35 | -31 | * | * | * | * | * | * | * | * | * |
| 4 | 0 | 55 | -31 | * | * | * | * | * | * | * | * | * |
| 5 | 1 | 15 | -31 | * | * | * | * | * | * | * | * | * |
| 6 | 1 | 35 | -31 | * | * | * | * | * | * | * | * | * |
| 7 | 1 | 55 | -31 | * | * | * | * | * | * | * | * | * |
| 8 | 2 | 15 | -31 | * | * | * | * | * | * | * | * | * |
| 9 | 2 | 35 | -31 | * | * | * | * | * | * | * | * | * |
| 10 | 2 | 55 | -32 | * | * | * | * | * | * | * | * | * |
| 11 | 3 | 15 | -31 | * | * | * | * | * | * | * | * | * |
| 12 | 3 | 35 | -31 | * | * | * | * | * | * | * | * | * |
| 13 | 3 | 55 | -31 | * | * | * | * | * | * | * | * | * |
| 14 | 4 | 15 | -31 | * | * | * | * | * | * | * | * | * |
| 15 | 4 | 35 | -32 | * | * | * | * | * | * | * | * | * |
| 16 | 4 | 55 | -32 | * | * | * | * | * | * | * | * | * |
| 17 | 5 | 15 | -32 | * | * | * | * | * | * | * | * | * |
| 18 | 5 | 35 | -32 | * | * | * | * | * | * | * | * | * |
| 19 | 5 | 55 | -32 | * | * | * | * | * | * | * | * | * |
| 20 | 6 | 15 | -31 | * | * | * | * | * | * | * | * | * |
| 21 | 6 | 36 | -32 | * | * | * | * | * | * | * | * | * |
| 22 | 6 | 56 | -32 | * | * | * | * | * | * | * | * | * |
| 23 | 7 | 16 | -32 | * | * | * | * | * | * | * | * | * |
| 24 | 7 | 36 | -32 | * | * | * | * | * | * | * | * | * |
| 25 | 7 | 56 | -32 | * | * | * | * | * | * | * | * | * |
| 26 | 8 | 16 | -32 | * | * | * | * | * | * | * | * | * |
| 27 | 8 | 36 | -32 | * | * | * | * | * | * | * | * | * |
| 28 | 8 | 56 | -32 | * | * | * | * | * | * | * | * | * |
| 29 | 9 | 16 | -32 | * | * | * | * | * | * | * | * | * |
| 30 | 9 | 37 | -31 | * | * | * | * | * | * | * | * | * |
| 31 | 9 | 57 | -32 | * | * | * | * | * | * | * | * | * |
| 32 | 12 | 27 | -31 | * | * | * | * | * | * | * | * | * |
| 33 | 16 | 56 | -31 | * | * | * | * | * | * | * | * | * |
| 34 | 17 | 34 | -31 | * | * | * | * | * | * | * | * | * |
| 35 | 17 | 37 | -31 | * | * | * | * | * | * | * | * | * |
| 36 | 21 | 25 | -31 | * | * | * | * | * | * | * | * | * |
| 37 | 21 | 46 | -31 | * | * | * | * | * | * | * | * | * |
| 38 | 22 | 6 | -31 | * | * | * | * | * | * | * | * | * |
| 39 | 22 | 26 | -31 | * | * | * | * | * | * | * | * | * |
| 40 | 23 | 16 | -31 | * | * | * | * | * | * | * | * | * |
| 41 | 23 | 36 | -31 | * | * | * | * | * | * | * | * | * |
| 42 | 23 | 57 | -32 | * | * | * | * | * | * | * | * | * |
| 43 | 24 | 17 | -32 | * | * | * | * | * | * | * | * | * |
| 44 | 24 | 38 | -32 | * | * | * | * | * | * | * | * | * |
| 45 | 24 | 58 | -32 | * | * | * | * | * | * | * | * | * |

| 1-01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP DEG.C | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW LBS/HR | 1-07 ENG.1 TORQUE PERCENT | 1-08 ENG.1 POWER TURB SPEED RPM PERCENT | 1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C | 1-10 ENG.2 RPM (NG) PERCENT | 1-11 ENG.2 FUEL FLOW LBS/HR | 1-12 ENG.2 TORQUE PERCENT | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C |
|------------------------|----------------------|----------------------|---|------------------------------|---|------------------------------------|---|--|---|---|------------------------------------|--|
| 96 | 62 | 4 | -32 | * | * | * | * | * | * | * | * | * |
| 97 | 62 | 25 | -31 | * | * | * | * | * | * | * | * | * |
| 98 | 62 | 45 | -32 | * | * | * | * | * | * | * | * | * |
| 99 | 63 | 6 | -32 | * | * | * | * | * | * | * | * | * |
| 100 | 63 | 26 | -32 | * | * | * | * | * | * | * | * | * |
| 101 | 63 | 47 | -32 | * | * | * | * | * | * | * | * | * |
| 102 | 64 | 7 | -32 | * | * | * | * | * | * | * | * | * |
| 103 | 64 | 28 | -32 | * | * | * | * | * | * | * | * | * |
| 104 | 64 | 48 | -32 | 43 | 72 | * | * | * | * | * | * | * |
| 105 | 65 | 9 | -32 | 7 | * | * | * | * | * | 75 | * | * |
| 106 | 65 | 38 | -32 | * | * | * | * | * | 22 | * | * | * |
| 107 | 65 | 50 | -32 | 6 | * | * | * | * | 23 | 31 | * | * |
| 108 | 66 | 11 | -32 | 28 | * | * | * | * | 4 | * | * | * |
| 109 | 66 | 31 | -32 | 9 | * | * | * | * | * | * | * | * |
| 110 | 66 | 52 | -32 | * | * | * | * | * | * | * | * | * |
| 111 | 67 | 13 | -32 | * | * | * | * | * | * | * | * | * |
| 112 | 67 | 33 | -32 | * | * | * | * | * | * | * | * | * |
| 113 | 67 | 54 | -32 | * | * | * | * | * | * | * | * | * |
| 114 | 68 | 15 | -32 | * | * | * | * | * | * | * | * | * |
| 115 | 68 | 35 | -31 | * | * | * | * | * | * | * | * | * |
| 116 | 68 | 56 | -31 | * | * | * | * | * | * | * | * | * |
| 117 | 69 | 17 | -32 | * | * | * | * | * | * | 116 | * | 288 |
| 118 | 69 | 38 | -32 | * | * | * | * | * | 23 | 276 | 11 | 313 |
| 119 | 69 | 58 | -32 | * | * | * | * | * | 63 | 269 | 9 | 326 |
| 120 | 70 | 19 | -32 | * | * | * | * | * | 56 | 266 | 9 | 331 |
| 121 | 70 | 40 | -31 | * | * | * | * | * | 65 | 269 | 6 | 337 |
| 122 | 71 | 0 | -31 | * | * | * | * | * | 63 | 266 | 8 | 334 |
| 123 | 71 | 21 | -31 | * | * | * | * | * | 63 | 276 | 9 | 339 |
| 124 | 71 | 41 | -31 | * | * | * | * | * | 65 | 271 | 8 | 344 |
| 125 | 72 | 2 | -30 | * | * | * | * | * | 72 | 269 | 8 | 349 |
| 126 | 72 | 22 | -31 | * | * | * | * | * | 90 | 491 | 28 | 356 |
| 127 | 72 | 43 | -30 | * | * | * | * | * | 77 | 823 | 40 | 364 |
| 128 | 73 | 3 | -30 | * | * | * | * | * | 80 | 722 | 38 | 377 |
| 129 | 73 | 24 | -30 | * | * | * | * | * | 88 | 831 | 33 | 411 |
| 130 | 73 | 44 | -29 | 12 | * | * | * | * | 78 | 619 | 35 | 461 |
| 131 | 74 | 5 | -28 | 43 | 237 | 16 | * | * | 75 | 826 | 36 | 483 |
| 132 | 74 | 25 | -28 | 66 | 312 | 2 | * | 107 | 79 | 819 | 35 | 483 |
| 133 | 74 | 46 | -28 | 66 | 302 | 2 | 68 | 381 | 79 | 792 | 33 | 398 |
| 134 | 75 | 6 | -27 | 65 | 298 | 2 | 71 | 296 | 79 | 790 | 33 | 393 |
| 135 | 75 | 27 | -26 | 65 | 298 | 2 | 71 | 296 | 79 | 787 | 33 | 394 |
| 136 | 75 | 47 | -27 | 65 | 302 | 1 | 72 | 300 | 79 | 787 | 33 | 394 |
| 137 | 76 | 7 | -26 | 65 | 305 | 2 | 73 | 295 | 82 | 790 | 33 | 398 |
| 138 | 76 | 28 | -26 | 71 | 407 | 2 | 97 | 293 | 80 | 782 | 32 | 386 |
| 139 | 76 | 40 | -26 | 73 | 424 | 2 | 102 | 285 | 78 | 785 | 32 | 387 |
| 140 | 77 | 9 | -25 | 80 | 753 | 29 | 104 | 352 | 75 | 445 | 4 | 328 |
| 141 | 77 | 29 | -25 | 85 | 872 | 37 | 104 | 394 | 74 | 445 | 4 | 328 |
| 142 | 77 | 49 | -24 | 85 | 411 | 3 | 105 | 297 | 85 | 616 | 33 | 396 |
| 143 | 78 | 10 | -24 | 75 | 436 | 3 | 105 | 290 | 81 | 616 | 33 | 393 |
| 144 | 78 | 30 | -24 | 75 | 637 | 18 | 105 | 323 | 79 | 613 | 17 | 362 |
| 145 | 78 | 50 | -24 | 76 | 499 | 5 | 104 | 318 | 80 | 702 | 30 | 362 |

| -01 SHEEP COUNT | 1-02 TIME :LN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP DEG.C | 1-05 ENG.1 RPM (ENG) | 1-06 ENG.1 FUEL FLOW LBS/HR | 1-07 ENS.1 TORQUE PERCENT | 1-08 ENG.1 POWER TURB SPEED RPM PERCENT | 1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C | 1-10 ENG.2 RPM (ENG) PERCENT | 1-11 ENG.2 FUEL FLOW LBS/HR | 1-12 ENG.2 TORQUE PERCENT | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C |
|-----------------------|----------------------|----------------------|---|-------------------------------|---|------------------------------------|---|--|--|---|------------------------------------|--|
| 146 | 79 | 10 | -24 | 79 | 620 | 17 | 0 | 331 | 79 | 666 | 21 | 357 |
| 147 | 79 | 30 | -24 | 75 | 616 | 2 | 0 | 293 | 80 | 836 | 16 | 398 |
| 148 | 79 | 50 | -24 | 80 | 794 | 31 | 104 | 273 | 76 | 494 | 18 | 211 |
| 149 | 80 | 11 | -23 | 77 | 598 | 17 | 181 | 336 | 75 | 496 | 12 | 315 |
| 150 | 80 | 32 | -24 | 74 | 458 | 9 | 96 | 305 | 79 | 586 | 20 | 343 |
| 151 | 80 | 52 | -24 | 79 | 601 | 23 | 102 | 336 | 88 | 538 | 12 | 324 |
| 152 | 81 | 13 | -24 | 77 | 681 | 17 | 103 | 327 | 79 | 617 | 19 | 344 |
| 153 | 81 | 33 | -24 | 77 | 683 | 17 | 181 | 329 | 76 | 638 | 19 | 349 |
| 154 | 81 | 53 | -25 | 77 | 625 | 17 | 182 | 328 | 77 | 617 | 18 | 352 |
| 155 | 82 | 14 | -24 | 85 | 622 | 18 | 182 | 334 | 76 | 685 | 18 | 344 |
| 156 | 82 | 34 | -24 | 77 | 628 | 18 | 182 | 332 | 78 | 893 | 17 | 344 |
| 157 | 82 | 54 | -24 | 78 | 613 | 17 | 182 | 333 | 79 | 605 | 18 | 349 |
| 158 | 83 | 14 | -24 | 77 | 683 | 17 | 0 | 332 | 77 | 683 | 17 | 349 |
| 159 | 83 | 35 | -24 | 79 | 688 | 17 | 182 | 327 | 78 | 585 | 17 | 344 |
| 160 | 83 | 55 | -24 | 77 | 601 | 17 | 184 | 328 | 78 | 585 | 17 | 344 |
| 161 | 84 | 15 | -24 | 77 | 685 | 17 | 183 | 324 | 78 | 688 | 18 | 347 |
| 162 | 84 | 36 | -24 | 77 | 685 | 17 | 183 | 328 | 78 | 688 | 18 | 347 |
| 163 | 84 | 56 | -24 | 77 | 681 | 17 | 183 | 332 | 78 | 688 | 18 | 347 |
| 164 | 85 | 16 | -24 | 76 | 681 | 17 | 183 | 315 | 78 | 688 | 18 | 347 |
| 165 | 85 | 36 | -24 | 77 | 681 | 16 | 0 | 323 | 77 | 685 | 18 | 344 |
| 166 | 85 | 57 | -24 | 77 | 685 | 17 | 183 | 323 | 77 | 596 | 18 | 341 |
| 167 | 86 | 17 | -24 | 77 | 685 | 17 | 183 | 321 | 77 | 596 | 17 | 337 |
| 168 | 86 | 37 | -25 | 77 | 688 | 16 | 182 | 326 | 78 | 681 | 18 | 339 |
| 169 | 86 | 57 | -24 | 78 | 688 | 17 | 182 | 327 | 77 | 598 | 17 | 341 |
| 170 | 87 | 18 | -25 | 77 | 688 | 17 | 182 | 323 | 76 | 586 | 17 | 337 |
| 171 | 87 | 38 | -25 | 77 | 685 | 17 | 183 | 324 | 77 | 689 | 17 | 337 |
| 172 | 87 | 58 | -25 | 76 | 688 | 17 | 183 | 324 | 77 | 596 | 17 | 336 |
| 173 | 88 | 18 | -25 | 79 | 688 | 17 | 0 | 319 | 77 | 596 | 18 | 332 |
| 174 | 88 | 39 | -26 | 77 | 688 | 18 | 182 | 316 | 77 | 601 | 17 | 332 |
| 175 | 89 | 59 | -26 | 79 | 684 | 21 | 184 | 339 | 78 | 681 | 24 | 363 |
| 176 | 89 | 19 | -26 | 78 | 671 | 22 | 184 | 340 | 78 | 681 | 24 | 363 |
| 177 | 89 | 39 | -26 | 78 | 664 | 22 | 183 | 339 | 78 | 782 | 26 | 368 |
| 178 | 90 | 0 | -26 | 78 | 659 | 21 | 183 | 341 | 79 | 673 | 24 | 356 |
| 179 | 90 | 28 | -26 | 75 | 678 | 24 | 183 | 342 | 78 | 649 | 22 | 356 |
| 180 | 90 | 48 | -27 | 78 | 654 | 21 | 183 | 331 | 78 | 722 | 28 | 371 |
| 181 | 91 | 0 | -27 | 78 | 637 | 19 | 183 | 333 | 78 | 668 | 23 | 353 |
| 182 | 91 | 20 | -27 | 78 | 639 | 20 | 183 | 327 | 78 | 647 | 21 | 349 |
| 183 | 91 | 41 | -27 | 78 | 668 | 22 | 183 | 327 | 78 | 649 | 22 | 346 |
| 184 | 92 | 1 | -27 | 78 | 637 | 28 | 183 | 331 | 77 | 688 | 25 | 362 |
| 185 | 92 | 21 | -27 | 78 | 634 | 28 | 183 | 334 | 77 | 659 | 22 | 343 |
| 186 | 92 | 41 | -27 | 78 | 625 | 29 | 183 | 334 | 77 | 668 | 22 | 343 |
| 187 | 93 | 1 | -27 | 79 | 647 | 29 | 183 | 327 | 76 | 615 | 23 | 343 |
| 188 | 93 | 22 | -27 | 79 | 644 | 29 | 183 | 331 | 77 | 671 | 19 | 378 |
| 189 | 93 | 42 | -27 | 79 | 642 | 28 | 183 | 326 | 77 | 671 | 24 | 342 |
| 190 | 94 | 2 | -27 | 77 | 622 | 19 | 183 | 325 | 79 | 647 | 22 | 342 |
| 191 | 94 | 22 | -27 | 78 | 644 | 19 | 182 | 331 | 76 | 647 | 18 | 339 |
| 192 | 94 | 42 | -27 | 77 | 622 | 18 | 182 | 319 | 77 | 656 | 22 | 346 |
| 193 | 95 | 3 | -27 | 83 | 1117 | 61 | 181 | 431 | 77 | 617 | 19 | 332 |
| 194 | 95 | 23 | -27 | 84 | 1194 | 65 | 182 | 481 | 85 | 1032 | 57 | 439 |
| 195 | 95 | 43 | -27 | 82 | 1165 | 64 | 182 | 477 | 85 | 1134 | 64 | 439 |

| -01 SWEEP COUNT | 1-02 TIME *IN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP DEG.C | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW LBS/HR | 1-07 ENG.1 TORQUE PERCENT | 1-08 ENG.1 TURB SPEED RPM PERCENT | 1-09 ENG.1 INLET TEMP (T-5) DEG.C | 1-10 ENG.2 RPM (NG) | 1-11 ENG.2 FUEL FLOW LBS/HR | 1-12 ENG.2 TORQUE PERCENT | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C |
|-----------------------|----------------------|----------------------|---|------------------------------|---|------------------------------------|--|--|------------------------------|---|------------------------------------|--|
| 196 | 96 | 1 | * | 83 | 1211 | 67 | 102 | 492 | 86 | 1187 | 69 | 510 |
| 197 | 96 | 24 | * | 84 | 1185 | 63 | 103 | 493 | 86 | 1168 | 67 | 510 |
| 198 | 96 | 44 | * | 83 | 1168 | 65 | 102 | 477 | 86 | 1122 | 66 | 508 |
| 199 | 97 | 4 | * | 82 | 1134 | 61 | 103 | 482 | 85 | 1107 | 62 | 499 |
| 200 | 97 | 24 | * | 83 | 1113 | 58 | 103 | 481 | 85 | 1109 | 65 | 490 |
| 201 | 97 | 45 | * | 82 | 1126 | 61 | * | 479 | 85 | 1112 | 66 | 493 |
| 202 | 98 | 5 | * | 82 | 1097 | 57 | 103 | 473 | 86 | 1083 | 59 | 488 |
| 203 | 98 | 25 | * | 84 | 1136 | 61 | 102 | 474 | 84 | 1032 | 56 | 488 |
| 204 | 98 | 45 | * | 85 | 1107 | 60 | 102 | 460 | 84 | 1008 | 54 | 478 |
| 205 | 99 | 5 | * | 82 | 1095 | 59 | * | 461 | 83 | 1013 | 57 | 468 |
| 206 | 99 | 26 | * | 81 | 1082 | 59 | 101 | 458 | 84 | 995 | 52 | 458 |
| 207 | 99 | 46 | * | 82 | 1085 | 56 | 102 | 452 | 84 | 991 | 54 | 451 |
| 208 | 100 | 6 | * | * | 1088 | 59 | * | 451 | 82 | 1800 | 55 | 453 |
| 209 | 100 | 26 | * | 82 | 1078 | 58 | 102 | 447 | 82 | 986 | 54 | 448 |
| 210 | 100 | 47 | * | 83 | 1182 | 60 | 101 | 451 | 83 | 1037 | 59 | 483 |
| 211 | 101 | 7 | * | 82 | 1189 | 62 | 102 | 458 | 83 | 1027 | 55 | 465 |
| 212 | 101 | 27 | * | 83 | 1183 | 63 | 102 | 476 | 85 | 1114 | 67 | 480 |
| 213 | 101 | 47 | * | 83 | 1177 | 67 | 101 | 479 | 85 | 1083 | 68 | 493 |
| 214 | 102 | 8 | * | 83 | 1139 | 63 | 102 | 473 | 85 | 1068 | 61 | 490 |
| 215 | 102 | 28 | * | 82 | 1102 | 58 | 101 | 471 | 84 | 1071 | 63 | 485 |
| 216 | 102 | 48 | * | 82 | 1095 | 59 | 101 | 463 | 83 | 1046 | 58 | 477 |
| 217 | 103 | 9 | * | 82 | 1085 | 59 | 102 | 460 | 84 | 1043 | 58 | 474 |
| 218 | 103 | 29 | * | 82 | 1090 | 58 | 102 | 460 | 84 | 1044 | 57 | 478 |
| 219 | 103 | 49 | * | 82 | 1097 | 60 | 102 | 452 | 83 | 1051 | 61 | 463 |
| 220 | 104 | 9 | * | 82 | 1092 | 59 | 101 | 458 | 84 | 1076 | 60 | 478 |
| 221 | 104 | 30 | * | 81 | 1182 | 60 | 101 | 460 | 84 | 1074 | 65 | 473 |
| 222 | 104 | 50 | * | 84 | 1187 | 66 | 102 | 484 | 84 | 1109 | 63 | 484 |
| 223 | 105 | 30 | * | 83 | 1206 | 67 | 102 | 493 | 85 | 1102 | 66 | 489 |
| 224 | 105 | 48 | * | 81 | 1163 | 65 | 102 | 474 | 85 | 1156 | 68 | 502 |
| 225 | 105 | 51 | * | 83 | 1143 | 63 | 102 | 471 | 85 | 1131 | 64 | 489 |
| 226 | 106 | 11 | * | 82 | 1132 | 63 | 101 | 476 | 84 | 1095 | 65 | 478 |
| 227 | 106 | 31 | * | 86 | 1194 | 68 | * | 479 | * | 1165 | 67 | 482 |
| 228 | 106 | 51 | * | 82 | 1197 | 66 | 102 | 479 | 84 | 1098 | 62 | 487 |
| 229 | 107 | 11 | * | 83 | 1185 | 68 | 101 | 479 | 85 | 1177 | 67 | 493 |
| 230 | 107 | 32 | * | 83 | 1284 | 74 | 108 | 496 | 85 | 1148 | 70 | 496 |
| 231 | 107 | 52 | * | 84 | 1308 | 79 | 108 | 497 | 85 | 1158 | 71 | 503 |
| 232 | 108 | 12 | * | 83 | 1280 | 72 | 102 | 496 | 86 | 1126 | 66 | 503 |
| 233 | 108 | 32 | * | 83 | 1262 | 72 | 102 | 504 | 85 | 1126 | 66 | 499 |
| 234 | 108 | 52 | * | 83 | 1248 | 71 | 101 | 504 | 85 | 1126 | 66 | 499 |
| 235 | 109 | 12 | * | 82 | 1265 | 72 | * | 496 | 86 | 1175 | 72 | 508 |
| 236 | 109 | 32 | * | 84 | 1211 | 69 | 101 | 484 | 87 | 1238 | 77 | 530 |
| 237 | 109 | 53 | * | 86 | 1269 | 74 | 101 | 486 | 89 | 1178 | 69 | 500 |
| 238 | 110 | 13 | * | 82 | 1296 | 77 | * | 492 | 85 | 1163 | 70 | 495 |
| 239 | 110 | 33 | * | 83 | 1257 | 73 | 101 | 484 | 86 | 1153 | 70 | 487 |
| 240 | 110 | 53 | * | 84 | 1272 | 74 | 103 | 489 | 84 | 1182 | 74 | 494 |
| 241 | 111 | 13 | * | 84 | 1284 | 75 | 101 | 491 | 85 | 1194 | 73 | 510 |
| 242 | 111 | 33 | * | * | 1272 | 74 | 102 | 484 | 87 | 1177 | 71 | 484 |
| 243 | 111 | 53 | * | 83 | 1262 | 74 | * | 491 | 84 | 1163 | 70 | 494 |
| 244 | 112 | 13 | * | 84 | 1284 | 76 | 102 | 489 | 85 | 1185 | 73 | 499 |
| 245 | 112 | 33 | * | 83 | 1267 | 74 | 101 | 493 | 84 | 1153 | 70 | 499 |

| -01 SHEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP | 1-05 ENG. 1 RPM (NG) | 1-06 FUEL FLOW LBS/HR | 1-07 ENG. 1 TORQUE PERCENT | 1-08 ENG. 1 TURB SPEED RPM PERCENT | 1-09 ENG. 1 TURB INLET TEMP (T-5) DEG.C | 1-10 ENG. 2 RPM (NG) PERCENT | 1-11 ENG. 2 FUEL FLOW LBS/HR | 1-12 ENG. 2 TORQUE PERCENT | 1-14 ENG. 2 TURB INLET TEMP (T-5) DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------|-------------------------------|--------------------------------|-------------------------------------|---|---|--|--|-------------------------------------|---|
| 286 | 11.2 | 53 | * | 63 | 1265 | 73 | 101 | 451 | 85 | 1156 | 69 | 493 |
| 287 | 11.3 | 13 | * | 63 | 1262 | 72 | 101 | 492 | 64 | 1163 | 70 | 494 |
| 288 | 11.3 | 33 | * | 64 | 1274 | 72 | 102 | 492 | 84 | 1163 | 70 | 495 |
| 289 | 11.3 | 53 | * | 64 | 1313 | 78 | 101 | 497 | 85 | 1211 | 76 | 499 |
| 290 | 11.4 | 13 | * | 64 | 1318 | 78 | 101 | 497 | 84 | 1211 | 74 | 508 |
| 291 | 11.4 | 33 | * | 63 | 1284 | 75 | 101 | 496 | 85 | 1189 | 73 | 495 |
| 292 | 11.4 | 53 | * | 63 | 1285 | 78 | 101 | 493 | 85 | 1222 | 78 | 502 |
| 293 | 11.5 | 13 | * | 63 | 1274 | 75 | 101 | 491 | 75 | 1214 | 75 | 502 |
| 294 | 11.5 | 33 | * | 63 | 1265 | 73 | 102 | 491 | 85 | 1199 | 73 | 503 |
| 295 | 11.5 | 53 | * | 63 | 1269 | 75 | 101 | 488 | 86 | 1231 | 78 | 502 |
| 296 | 11.6 | 13 | * | 63 | 1262 | 74 | 101 | 489 | 85 | 1206 | 75 | 500 |
| 297 | 11.6 | 33 | * | 63 | 1262 | 73 | 102 | 489 | 85 | 1204 | 75 | 500 |
| 298 | 11.6 | 53 | * | 63 | 1313 | 78 | 101 | 494 | 85 | 1267 | 81 | 508 |
| 299 | 11.7 | 13 | * | 63 | 1269 | 75 | 102 | 486 | 84 | 1209 | 75 | 498 |
| 300 | 11.7 | 33 | * | 63 | 1267 | 75 | 101 | 489 | 84 | 1204 | 74 | 502 |
| 301 | 11.7 | 53 | * | 63 | 1260 | 74 | 101 | 492 | 84 | 1204 | 74 | 502 |
| 302 | 11.8 | 13 | * | 63 | 1267 | 74 | 100 | 491 | 85 | 1206 | 75 | 503 |
| 303 | 11.8 | 33 | * | 63 | 1265 | 74 | 101 | 491 | 85 | 1211 | 75 | 502 |
| 304 | 11.8 | 53 | * | 63 | 1274 | 74 | 102 | 489 | 84 | 1235 | 77 | 504 |
| 305 | 11.9 | 13 | * | 63 | 1243 | 72 | 101 | 487 | 84 | 1192 | 73 | 504 |
| 306 | 11.9 | 33 | * | 63 | 1235 | 71 | 102 | 489 | 87 | 1168 | 72 | 500 |
| 307 | 11.9 | 54 | * | 84 | 1262 | 74 | 101 | 486 | 85 | 1219 | 77 | 502 |
| 308 | 12.0 | 14 | * | 83 | 1262 | 74 | 101 | 486 | 86 | 1223 | 77 | 502 |
| 309 | 12.0 | 33 | * | 82 | 1272 | 75 | * | 492 | * | 1231 | 77 | 508 |
| 310 | 12.0 | 54 | * | 83 | 1289 | 74 | * | 497 | 86 | 1223 | 83 | 497 |
| 311 | 12.1 | 14 | * | 82 | 1240 | 76 | * | 479 | 84 | 1148 | 73 | 494 |
| 312 | 12.1 | 34 | * | 83 | 1248 | 76 | * | 488 | 85 | 1178 | 76 | 498 |
| 313 | 12.1 | 54 | * | 83 | 1248 | 76 | 95 | 488 | 84 | 1188 | 77 | 495 |
| 314 | 12.2 | 15 | * | 82 | 1228 | 74 | 95 | 484 | 85 | 1158 | 75 | 494 |
| 315 | 12.2 | 35 | * | 83 | 1228 | 74 | 96 | 482 | 85 | 1153 | 74 | 492 |
| 316 | 12.2 | 55 | * | 83 | 1243 | 76 | 96 | 483 | 84 | 1168 | 75 | 498 |
| 317 | 12.3 | 15 | * | 83 | 1235 | 75 | * | 484 | 84 | 1168 | 76 | 492 |
| 318 | 12.3 | 35 | * | 83 | 1248 | 76 | 96 | 484 | 84 | 1172 | 76 | 495 |
| 319 | 12.3 | 56 | * | 82 | 1250 | 76 | 96 | 486 | 84 | 1172 | 76 | 492 |
| 320 | 12.4 | 16 | * | 81 | 1117 | 66 | 93 | 462 | 83 | 1167 | 78 | 500 |
| 321 | 12.4 | 37 | * | 82 | 1211 | 70 | 91 | 483 | 82 | 1056 | 67 | 488 |
| 322 | 12.4 | 58 | * | 82 | 1269 | 95 | * | 489 | 82 | 1051 | 69 | 478 |
| 323 | 12.5 | 18 | * | 82 | 1219 | 79 | * | 477 | 82 | 1097 | 78 | 478 |
| 324 | 12.5 | 39 | * | 81 | 1126 | 69 | 91 | 465 | * | 1240 | 86 | 505 |
| 325 | 12.5 | 59 | * | 82 | 1265 | 83 | 91 | 486 | 82 | 1126 | 76 | 490 |
| 326 | 12.6 | 20 | * | 82 | 1182 | 61 | 91 | 472 | 83 | 1172 | 80 | 498 |
| 327 | 12.6 | 40 | * | 82 | 1199 | 75 | 92 | 473 | 83 | 1143 | 77 | 492 |
| 328 | 12.7 | 1 | * | 81 | 1163 | 71 | 91 | 471 | 85 | 1141 | 77 | 493 |
| 329 | 12.7 | 22 | * | 81 | 1221 | 77 | 91 | 479 | 83 | 1141 | 77 | 490 |
| 330 | 12.7 | 42 | * | 82 | 1257 | 88 | 90 | 484 | 83 | 1141 | 78 | 490 |
| 331 | 12.8 | 3 | * | 82 | 1214 | 77 | 91 | 479 | 84 | 1146 | 78 | 492 |
| 332 | 12.8 | 23 | * | 81 | 1180 | 73 | 91 | 476 | 83 | 1143 | 77 | 487 |
| 333 | 12.8 | 44 | * | 81 | 1182 | 74 | 91 | 472 | 86 | 1140 | 78 | 489 |
| 334 | 12.9 | 6 | * | 81 | 1221 | 77 | 91 | 481 | 83 | 1143 | 77 | 488 |
| 335 | 12.9 | 25 | * | 82 | 1223 | 78 | 91 | 481 | 85 | 1146 | 77 | 490 |

| 1-01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP DEG.C | 1-05 ENG.1 RPM (INC) | 1-06 ENG.1 FUEL FLOW LBS/HR | 1-07 ENG.1 TORQUE PERCENT | 1-08 ENG.1 TURB POWER SPEED RPM PERCENT | 1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C | 1-10 ENG.2 RPM (INC) PERCENT | 1-11 ENG.2 FUEL FLOW LBS/HR | 1-12 ENG.2 TORQUE PERCENT | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C |
|------------------------|----------------------|----------------------|---|-------------------------------|---|------------------------------------|---|--|--|---|------------------------------------|--|
| 296 | 129 | 45 | * | 83 | 1231 | 79 | 91 | 479 | 83 | 1146 | 79 | 490 |
| 297 | 130 | 6 | * | 81 | 1211 | 76 | 91 | 478 | 83 | 1141 | 78 | 490 |
| 298 | 130 | 26 | * | 82 | 1216 | 77 | 91 | 479 | 83 | 1146 | 78 | 487 |
| 299 | 131 | 47 | * | 82 | 1231 | 76 | * | 481 | 83 | 1143 | 77 | 493 |
| 300 | 131 | 7 | * | 82 | 1170 | 74 | 92 | 471 | 82 | 1148 | 77 | 498 |
| 301 | 131 | 28 | * | 81 | 1170 | 74 | 91 | 462 | 83 | 1141 | 77 | 489 |
| 302 | 131 | 48 | * | 81 | 1165 | 72 | 92 | 470 | * | 1148 | 78 | 488 |
| 303 | 132 | 9 | * | 82 | 1219 | 78 | 91 | 473 | 83 | 1146 | 78 | 490 |
| 304 | 132 | 29 | * | 81 | 1202 | 76 | 91 | 471 | 83 | 1141 | 76 | 492 |
| 305 | 132 | 50 | * | 81 | 1228 | 79 | * | 481 | 83 | 1124 | 75 | 490 |
| 306 | 133 | 48 | * | 81 | 1262 | 75 | 91 | 476 | 81 | 1146 | 77 | 488 |
| 307 | 133 | 31 | * | 82 | 1199 | 75 | * | 472 | 83 | 1146 | 78 | 488 |
| 308 | 133 | 51 | * | 81 | 1182 | 74 | 91 | 473 | 83 | 1146 | 77 | 493 |
| 309 | 134 | 12 | * | 82 | 1165 | 73 | 91 | 466 | 83 | 1139 | 76 | 487 |
| 310 | 134 | 32 | * | 81 | 1170 | 73 | 91 | 463 | 83 | 1134 | 76 | 495 |
| 311 | 134 | 53 | * | 88 | 1032 | 58 | 92 | 441 | 85 | 1308 | 92 | 524 |
| 312 | 135 | 13 | * | 84 | 1610 | 92 | 94 | 507 | 85 | 1044 | 84 | 475 |
| 313 | 135 | 33 | * | 82 | 1238 | 75 | 95 | 481 | 83 | 1137 | 77 | 494 |
| 314 | 135 | 53 | * | 82 | 1214 | 73 | 96 | 479 | 85 | 1168 | 75 | 495 |
| 315 | 136 | 13 | * | 82 | 1199 | 72 | 96 | 479 | 84 | 1153 | 74 | 494 |
| 316 | 136 | 33 | * | 82 | 1214 | 73 | 95 | 479 | 85 | 1168 | 75 | 502 |
| 317 | 136 | 53 | * | 82 | 1219 | 74 | 95 | 478 | 84 | 1168 | 75 | 500 |
| 318 | 137 | 13 | * | 82 | 1223 | 74 | 95 | 481 | 85 | 1167 | 77 | 510 |
| 319 | 137 | 33 | * | 82 | 1229 | 74 | 96 | 483 | 84 | 1182 | 76 | 502 |
| 320 | 137 | 53 | * | 82 | 1199 | 72 | 96 | 479 | 84 | 1160 | 75 | 495 |
| 321 | 138 | 13 | * | 82 | 1211 | 73 | 96 | 476 | * | 1166 | 75 | 496 |
| 322 | 138 | 37 | * | 82 | 1194 | 71 | 96 | 479 | 84 | 1151 | 74 | 494 |
| 323 | 138 | 53 | * | 83 | 1206 | 72 | 96 | 479 | 84 | 1160 | 74 | 510 |
| 324 | 139 | 13 | * | 83 | 1214 | 73 | 96 | 486 | 85 | 1172 | 75 | 500 |
| 325 | 139 | 33 | * | 82 | 1223 | 74 | 96 | 481 | 84 | 1182 | 76 | 503 |
| 326 | 139 | 53 | * | 82 | 1221 | 73 | 92 | 481 | 84 | 1177 | 76 | 502 |
| 327 | 140 | 13 | * | 81 | 1206 | 79 | 94 | 492 | 88 | 1228 | 88 | 503 |
| 328 | 140 | 33 | * | 83 | 1245 | 75 | * | 488 | 85 | 1231 | 81 | 503 |
| 329 | 140 | 53 | * | 82 | 1211 | 73 | 99 | 488 | 85 | 1214 | 79 | 508 |
| 330 | 141 | 13 | * | 83 | 1231 | 74 | 100 | 502 | 86 | 1134 | 72 | 508 |
| 331 | 141 | 33 | * | 82 | 1148 | 66 | 99 | 502 | 84 | 1017 | 61 | 488 |
| 332 | 141 | 53 | * | 82 | 1042 | 56 | 100 | 467 | 83 | 981 | 50 | 453 |
| 333 | 142 | 12 | * | 81 | 1042 | 56 | 100 | 468 | 82 | 983 | 50 | 453 |
| 334 | 142 | 32 | * | 85 | 933 | 47 | 100 | 442 | 80 | 887 | 40 | 429 |
| 335 | 142 | 52 | -16 | 79 | 802 | 37 | * | 481 | 80 | 778 | 38 | 411 |
| 336 | 143 | 12 | -18 | 80 | 850 | 41 | * | 485 | 80 | 840 | 44 | 423 |
| 337 | 143 | 32 | -17 | 78 | 158 | 41 | * | 485 | 81 | 843 | 44 | 426 |
| 338 | 143 | 51 | -19 | 78 | 860 | 41 | * | 481 | 80 | 775 | 38 | 411 |
| 339 | 144 | 11 | -21 | 77 | 848 | 40 | 102 | 481 | * | 758 | 37 | 401 |
| 340 | 144 | 31 | -21 | 78 | 850 | 40 | 97 | 480 | 80 | 760 | 37 | 390 |
| 341 | 144 | 51 | -21 | 78 | 850 | 40 | 99 | 396 | 79 | 768 | 37 | 401 |
| 342 | 145 | 10 | -21 | 77 | 844 | 40 | 100 | 481 | 79 | 765 | 37 | 402 |
| 343 | 145 | 30 | -21 | 80 | 1051 | 59 | 98 | 443 | 82 | 979 | 50 | 448 |
| 344 | 145 | 50 | -21 | 80 | 986 | 53 | 99 | 431 | 81 | 913 | 52 | 430 |
| 345 | 146 | 10 | -20 | 80 | 983 | 53 | 99 | 431 | 82 | 913 | 52 | 437 |

| -81 SHEET COUNT | 1-02 TIME +IN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP DEG.C | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW LBS/HR | 1-07 ENG.1 TORQUE PERCENT | 1-08 POMER TURB SPEED RPM PERCENT | 1-09 ENG.1 TURB INLET TEMP (T-9) DEG.C | 1-10 ENG.2 RPM (NG) PERCENT | 1-11 ENG.2 FUEL FLOW LBS/HR | 1-12 ENG.2 TORQUE PERCENT | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C |
|-----------------------|----------------------|----------------------|---|------------------------------|---|------------------------------------|--|--|---|---|------------------------------------|--|
| 346 | 146 | 30 | -20 | 79 | 975 | 51 | 98 | 427 | 81 | 901 | 50 | 634 |
| 347 | 146 | 50 | -20 | 85 | 1265 | 78 | 96 | 479 | 85 | 1204 | 61 | 492 |
| 348 | 147 | 9 | -23 | 83 | 1295 | 81 | * | 481 | 86 | 1235 | 64 | 492 |
| 349 | 147 | 29 | -21 | 84 | 1429 | 95 | 98 | 507 | 86 | 1291 | 91 | 580 |
| 350 | 147 | 40 | -22 | 83 | 1441 | 93 | 98 | 514 | 86 | 1325 | 94 | 510 |
| 351 | 148 | 9 | -21 | 84 | 1446 | 94 | * | 513 | 86 | 1352 | 95 | 513 |
| 352 | 148 | 29 | -22 | 83 | 1444 | 93 | 97 | 510 | 85 | 1347 | 95 | 515 |
| 353 | 148 | 48 | -18 | 80 | 988 | 53 | 99 | 442 | 84 | 894 | 50 | 448 |
| 354 | 149 | 8 | -19 | 80 | 988 | 53 | 99 | 425 | 80 | 871 | 50 | 430 |
| 355 | 149 | 28 | -21 | 81 | 1071 | 61 | 99 | 446 | 82 | 971 | 57 | 445 |
| 356 | 149 | 48 | -21 | 81 | 1071 | 60 | 99 | 443 | 82 | 969 | 57 | 443 |
| 357 | 150 | 8 | -20 | 80 | 1068 | 61 | 99 | 446 | 82 | 969 | 57 | 443 |
| 358 | 150 | 27 | -20 | 81 | 1068 | 60 | 99 | 445 | 82 | 969 | 57 | 443 |
| 359 | 150 | 47 | -19 | 80 | 1068 | 61 | 99 | 446 | 82 | 967 | 57 | 444 |
| 360 | 151 | 7 | -20 | 82 | 1068 | 60 | 99 | 447 | 82 | 964 | 57 | 447 |
| 361 | 151 | 27 | -19 | 80 | 1066 | 60 | 99 | 446 | 82 | 966 | 57 | 444 |
| 362 | 151 | 46 | -20 | 81 | 1066 | 60 | 99 | 445 | 82 | 966 | 57 | 447 |
| 363 | 152 | 6 | -20 | 80 | 1066 | 61 | 99 | 447 | 82 | 966 | 57 | 444 |
| 364 | 152 | 26 | -20 | 82 | 1069 | 61 | 99 | 448 | 82 | 969 | 58 | 444 |
| 365 | 152 | 46 | -21 | 81 | 1073 | 61 | 99 | 445 | 82 | 969 | 58 | 444 |
| 366 | 153 | 5 | -21 | 80 | 1071 | 60 | 99 | 447 | 82 | 966 | 57 | 442 |
| 367 | 153 | 25 | -20 | 80 | 1071 | 61 | 99 | 447 | 81 | 969 | 57 | 442 |
| 368 | 153 | 45 | -21 | 79 | 959 | 50 | * | 425 | 82 | 855 | 47 | 424 |
| 369 | 154 | 5 | -22 | 79 | 959 | 50 | * | 424 | 82 | 855 | 47 | 424 |
| 370 | 154 | 24 | -21 | 81 | 1017 | 55 | 99 | 430 | 82 | 935 | 53 | 429 |
| 371 | 154 | 44 | -21 | 80 | 1003 | 55 | 99 | 431 | 82 | 925 | 53 | 429 |
| 372 | 155 | 4 | -20 | 85 | 1051 | 59 | 99 | 442 | 82 | 952 | 55 | 442 |
| 373 | 155 | 24 | -20 | 80 | 1046 | 58 | 99 | 442 | 81 | 950 | 54 | 442 |
| 374 | 155 | 43 | -19 | 82 | 1043 | 58 | 99 | 443 | 82 | 950 | 55 | 442 |
| 375 | 156 | 3 | -19 | 80 | 1042 | 58 | 99 | 443 | 82 | 945 | 55 | 447 |
| 376 | 156 | 23 | -19 | 80 | 1037 | 57 | 99 | 443 | 82 | 940 | 55 | 442 |
| 377 | 156 | 43 | -16 | 80 | 1032 | 57 | 99 | 443 | 85 | 935 | 54 | 447 |
| 378 | 157 | 2 | -15 | 81 | 1022 | 56 | 99 | 451 | 82 | 924 | 53 | 458 |
| 379 | 157 | 22 | -16 | 80 | 1017 | 56 | 99 | 455 | 82 | 918 | 52 | 449 |
| 380 | 157 | 42 | -15 | 81 | 1034 | 57 | 100 | 453 | 82 | 928 | 53 | 452 |
| 381 | 158 | 1 | * | 80 | 1027 | 56 | * | 455 | 82 | 918 | 53 | 450 |
| 382 | 158 | 21 | * | 81 | 1017 | 55 | 99 | 456 | 82 | 901 | 51 | 450 |
| 383 | 158 | 41 | * | 81 | 1022 | 56 | 98 | 456 | 78 | 913 | 52 | 450 |
| 384 | 159 | 1 | * | 80 | 986 | 52 | 100 | 451 | 71 | 860 | 47 | 445 |
| 385 | 159 | 20 | -18 | 80 | 962 | 51 | 99 | 451 | 61 | 855 | 46 | 427 |
| 386 | 159 | 40 | -20 | 79 | 969 | 51 | * | 430 | 61 | 857 | 46 | 426 |
| 387 | 159 | 59 | -21 | 90 | 979 | 52 | * | 427 | 62 | 865 | 47 | 426 |
| 388 | 160 | 19 | -21 | 88 | 1000 | 54 | * | 430 | 61 | 901 | 50 | 427 |
| 389 | 160 | 39 | -22 | 80 | 993 | 53 | * | 430 | 61 | 896 | 49 | 430 |
| 390 | 160 | 58 | -21 | 79 | 1000 | 54 | 100 | 430 | 61 | 901 | 51 | 427 |
| 391 | 161 | 10 | -22 | 80 | 1000 | 54 | * | 431 | 60 | 899 | 50 | 426 |
| 392 | 161 | 30 | -21 | 80 | 993 | 52 | 100 | 431 | 60 | 891 | 47 | 435 |
| 393 | 161 | 57 | -21 | 79 | 979 | 52 | 99 | 429 | 60 | 882 | 48 | 424 |
| 394 | 162 | 17 | -22 | 91 | 998 | 54 | 99 | 430 | 60 | 906 | 50 | 435 |
| 395 | 163 | 21 | -21 | 80 | 998 | 53 | 99 | 430 | 61 | 903 | 50 | 435 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 INLET AIR TEMP DEG.C | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW LBS/HR | 1-07 ENG.1 TORQUE PERCENT | 1-08 POWER TURB SPEED RPM PERCENT | 1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C | 1-10 ENG.2 RPM (NG) PERCENT | 1-11 ENG.2 FUEL FLOW LBS/HR | 1-12 ENG.2 TORQUE PERCENT | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|------------------------------|---|------------------------------------|--|--|---|---|------------------------------------|--|
| 396 | 163 | 41 | -22 | 79 | 991 | 53 | 99 | 430 | 61 | 903 | 90 | 420 |
| 397 | 164 | 0 | -22 | 80 | 980 | 54 | 99 | 429 | 80 | 901 | 51 | 430 |
| 398 | 165 | 49 | | 80 | 1010 | 55 | 98 | 432 | 81 | 923 | 52 | 440 |
| 399 | 167 | 8 | | 80 | 993 | 54 | 99 | 432 | 81 | 903 | 51 | 435 |
| 400 | 167 | 28 | | 80 | 1017 | 55 | 99 | 437 | 85 | 930 | 53 | 437 |
| 401 | 169 | 23 | | 80 | 911 | 46 | 100 | 422 | 81 | 814 | 41 | 418 |
| 402 | 171 | 57 | | 81 | 1034 | 57 | | 446 | 86 | 969 | 56 | 450 |
| 403 | 172 | 16 | | 77 | 702 | 27 | 99 | 390 | 77 | 685 | 20 | 389 |
| 404 | 172 | 36 | | 81 | 1086 | 61 | | 465 | 85 | 1805 | 59 | 474 |
| 405 | 174 | 31 | | 80 | 1000 | 54 | 100 | 437 | 81 | 901 | 49 | 435 |
| 406 | 174 | 50 | | 80 | 690 | 26 | 101 | 372 | 76 | 571 | 49 | 362 |
| 407 | 175 | 10 | | 76 | 666 | 26 | 101 | 342 | 75 | 552 | 19 | 328 |
| 408 | 175 | 5 | | 80 | 954 | 53 | 98 | 399 | 80 | 920 | 56 | 416 |
| 409 | 177 | 55 | | 76 | 654 | 23 | 99 | 349 | 76 | 559 | 18 | 343 |
| 410 | 178 | 14 | | 77 | 649 | 24 | | 342 | 74 | 545 | 16 | 327 |
| 411 | 178 | 34 | | 77 | 649 | 23 | 99 | 342 | 74 | 557 | 17 | 328 |
| 412 | 178 | 54 | | 77 | 661 | 24 | | 342 | 75 | 542 | 15 | 320 |
| 413 | 179 | 13 | | 76 | 668 | 24 | 188 | 354 | 74 | 538 | 14 | 324 |
| 414 | 179 | 33 | | 76 | 690 | 27 | 99 | 348 | 74 | 508 | 13 | 322 |
| 415 | 179 | 52 | | 76 | 659 | 24 | | 333 | 74 | 518 | 14 | 315 |
| 416 | 180 | 12 | | 76 | 651 | 24 | | 334 | 74 | 494 | 11 | 308 |
| 417 | 180 | 32 | | 76 | 644 | 23 | 99 | 332 | 74 | 501 | 11 | 306 |
| 418 | 180 | 51 | | 75 | 539 | 22 | | 328 | 73 | 496 | 12 | 305 |
| 419 | 181 | 11 | | 75 | 649 | 23 | 98 | 334 | 74 | 506 | 13 | 313 |
| 420 | 181 | 30 | | 72 | 605 | 19 | 99 | 341 | 74 | 504 | 12 | 323 |
| 421 | 181 | 50 | | 75 | 634 | 22 | 99 | 337 | 74 | 487 | 11 | 316 |
| 422 | 182 | 9 | | 75 | 632 | 22 | 99 | 332 | 73 | 489 | 11 | 317 |
| 423 | 182 | 29 | | 76 | 632 | 22 | | 339 | 74 | 491 | 18 | 321 |
| 424 | 182 | 48 | | 69 | 632 | 22 | | 337 | 74 | 487 | 12 | 326 |
| 425 | 183 | 8 | | 76 | 637 | 22 | 98 | 336 | 74 | 487 | 11 | 321 |
| 426 | 183 | 28 | | 75 | 637 | 22 | 98 | 337 | 74 | 487 | 11 | 336 |
| 427 | 183 | 47 | | 75 | 637 | 22 | 99 | 339 | 72 | 484 | 10 | 317 |
| 428 | 184 | 7 | | 57 | 261 | 5 | 78 | 284 | 61 | 196 | 0 | 331 |
| 429 | 184 | 26 | | 68 | 341 | 0 | 69 | 269 | 75 | 630 | 26 | 356 |
| 430 | 184 | 46 | | 22 | | 13 | 23 | 151 | 75 | 630 | 26 | 356 |
| 431 | 185 | 6 | | 5 | | | | 117 | 75 | 625 | 26 | 354 |
| 432 | 185 | 26 | | | | | | 117 | 75 | 625 | 26 | 354 |
| 433 | 185 | 46 | | | | | | 111 | 75 | 625 | 26 | 354 |
| 434 | 186 | 6 | | | | | | 115 | 68 | 507 | 0 | 311 |
| 435 | 186 | 26 | | | | | | 122 | 23 | | 0 | 260 |
| 436 | 186 | 45 | | | | | | 129 | 6 | | | 167 |
| 437 | 187 | 5 | | | | | | 138 | | | | 127 |
| 438 | 187 | 24 | | | | | | 136 | | | | 119 |
| 439 | 187 | 44 | | | | | | 140 | | | | 128 |
| 440 | 189 | 31 | | | | | | 146 | | | | 152 |
| 441 | 191 | 4 | | | | | | 147 | | | | 159 |
| 442 | 191 | 24 | | | | | | 145 | | | | 157 |
| 443 | 191 | 40 | | | | | | 141 | | | | 157 |
| 444 | 192 | 3 | | | | | | 140 | | | | 157 |
| 445 | 193 | 53 | -27 | | | | | 138 | | | | 155 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP DEG.C | 1-05 ENG.1 RPM (MG) | 1-06 ENG.1 FUEL FLOW LBS/HR | 1-07 ENG.1 TORQUE PERCENT | 1-08 ENG.1 POWER TURB SPEED RPM PERCENT | 1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C | 1-10 ENG.2 RPM (MG) PERCENT | 1-11 ENG.2 FUEL FLOW LBS/HR | 1-12 ENG.2 TORQUE PERCENT | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C |
|-----------------------|----------------------|----------------------|---|------------------------------|---|------------------------------------|---|--|---|---|------------------------------------|--|
| 446 | 196 | 9 | -24 | * | * | * | * | 117 | * | * | * | 136 |
| 447 | 198 | 20 | -29 | * | * | * | * | 116 | * | * | * | 132 |
| 448 | 190 | 40 | -29 | * | * | * | * | 114 | * | * | * | 134 |
| 449 | 206 | 56 | -24 | * | * | * | * | 94 | * | * | * | 111 |
| 450 | 187 | 16 | -20 | * | * | * | * | 93 | * | * | * | 106 |
| 451 | 207 | 36 | -20 | * | * | * | * | 96 | * | * | * | 109 |
| 452 | 207 | 56 | -20 | * | * | * | * | 91 | * | * | * | 104 |
| 453 | 212 | 16 | -20 | * | * | * | * | 80 | * | * | * | 99 |
| 454 | 212 | 36 | -20 | * | * | * | * | 81 | * | * | * | 96 |
| 455 | 212 | 55 | -20 | * | * | * | * | 98 | * | * | * | 98 |
| 456 | 213 | 16 | -29 | * | * | * | * | 79 | * | * | * | 96 |
| 457 | 217 | 35 | -29 | * | * | * | * | 70 | * | * | * | 81 |
| 458 | 217 | 54 | -24 | * | * | * | * | 78 | * | * | * | 83 |
| 459 | 218 | 16 | -29 | * | * | * | * | 74 | * | * | * | 84 |
| 460 | 222 | 33 | -29 | * | * | * | * | 66 | * | * | * | 73 |
| 461 | 222 | 52 | -30 | * | * | * | * | 63 | * | * | * | 75 |
| 462 | 223 | 11 | -30 | * | * | * | * | 63 | * | * | * | 74 |
| 463 | 226 | 58 | -30 | * | * | * | * | 58 | * | * | * | 74 |
| 464 | 227 | 10 | -30 | * | * | * | * | 59 | * | * | * | 66 |
| 465 | 227 | 29 | -30 | * | * | * | * | 59 | * | * | * | 72 |
| 466 | 231 | 7 | -29 | * | * | * | * | 85 | * | * | * | 63 |
| 467 | 231 | 27 | -24 | * | * | * | * | 85 | * | * | * | 63 |
| 468 | 231 | 46 | -29 | * | * | * | * | 84 | * | * | * | 63 |
| 469 | 235 | 25 | -29 | * | * | * | * | 92 | * | * | * | 63 |
| 470 | 235 | 44 | -25 | * | * | * | * | 59 | * | * | * | 59 |
| 471 | 236 | 3 | -29 | * | * | * | * | 48 | * | * | * | 55 |
| 472 | 239 | 41 | -25 | * | * | * | * | 45 | * | * | * | 56 |
| 473 | 240 | 0 | -29 | * | * | * | * | 45 | * | * | * | 51 |
| 474 | 246 | 20 | -24 | * | * | * | * | 51 | * | * | * | 51 |
| 475 | 243 | 57 | -30 | * | * | * | * | 48 | * | * | * | 48 |
| 476 | 244 | 16 | -30 | * | * | * | * | 38 | * | * | * | 46 |
| 477 | 244 | 35 | -30 | * | * | * | * | 42 | * | * | * | 46 |
| 478 | 248 | 13 | -24 | * | * | * | * | 42 | * | * | * | 46 |
| 479 | 248 | 32 | -30 | * | * | * | * | 40 | * | * | * | 45 |
| 480 | 248 | 51 | -30 | * | * | * | * | 40 | * | * | * | 41 |
| 481 | 248 | 51 | -30 | * | * | * | * | 40 | * | * | * | 41 |

HM-53C SAN 6A-10354
 ARCTIC TEST
 9 JANUARY 1971
 RUN NO. 2

--0 DEG C / --90 DEG F

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-15 ROTOR RPM | 1-17 L.H. THROTT POS | 1-18 R.H. THROTT POS | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SCREW PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL BOOST PUMP OUTLET PRESS PSIG | 1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG | 1-25 ENG.1 BLEED AIR PRESS PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---|---|---|--|---|---|--|
| 1 | 0 | 0 | * | * | * | 4 | 1 | 1 | 3 | 2 | 2 | 3 |
| 2 | 0 | 15 | * | * | * | 1 | 1 | 0 | 2 | 1 | 2 | 2 |
| 3 | 0 | 35 | * | * | * | 2 | 1 | 1 | 4 | 3 | 3 | 3 |
| 4 | 0 | 55 | * | * | * | 3 | 1 | 1 | 3 | 2 | 3 | 4 |
| 5 | 1 | 15 | * | * | * | 3 | 1 | 1 | 2 | 2 | 3 | 4 |
| 6 | 1 | 35 | * | * | * | 3 | 1 | 1 | 4 | 2 | 3 | 2 |
| 7 | 1 | 55 | * | * | * | 4 | 1 | 0 | 2 | 2 | 3 | 3 |
| 8 | 2 | 15 | * | * | * | 2 | 1 | 1 | 2 | 3 | 3 | 1 |
| 9 | 2 | 35 | * | * | * | 3 | 0 | 0 | 3 | 3 | 3 | 2 |
| 10 | 2 | 55 | * | * | * | 2 | 1 | 1 | 4 | 3 | 3 | 2 |
| 11 | 3 | 15 | * | * | * | 4 | 1 | 1 | 3 | 2 | 1 | 3 |
| 12 | 3 | 35 | * | * | * | 2 | 1 | 1 | 0 | 4 | 4 | 3 |
| 13 | 3 | 55 | * | * | * | 3 | 1 | 1 | 3 | 4 | 4 | 3 |
| 14 | 4 | 15 | * | * | * | 3 | 1 | 1 | 2 | 3 | 2 | 3 |
| 15 | 4 | 35 | * | * | * | 3 | 1 | 1 | 3 | 3 | 2 | 2 |
| 16 | 4 | 55 | * | * | * | 3 | 0 | 0 | 3 | 2 | 3 | 2 |
| 17 | 5 | 15 | * | * | * | 3 | 1 | 1 | 4 | 2 | 3 | 2 |
| 18 | 5 | 35 | * | * | * | 3 | 1 | 1 | 2 | 2 | 2 | 2 |
| 19 | 5 | 55 | * | * | * | 1 | 0 | 0 | 3 | 3 | 3 | 1 |
| 20 | 6 | 15 | * | * | * | 3 | 1 | 1 | 3 | 2 | 3 | 2 |
| 21 | 6 | 36 | * | * | * | 1 | 0 | 1 | 0 | 3 | 2 | 2 |
| 22 | 6 | 56 | * | * | * | 3 | 1 | 1 | 2 | 4 | 2 | 2 |
| 23 | 7 | 16 | * | * | * | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 24 | 7 | 36 | * | * | * | 2 | 1 | 0 | 4 | 2 | 3 | 2 |
| 25 | 7 | 56 | * | * | * | 3 | 1 | 1 | 3 | 2 | 3 | 2 |
| 26 | 8 | 16 | * | * | * | 3 | 0 | 0 | 2 | 4 | 2 | 2 |
| 27 | 8 | 36 | * | * | * | 3 | 0 | 0 | 3 | 2 | 2 | 2 |
| 28 | 8 | 56 | * | * | * | 3 | 0 | 0 | 3 | 2 | 2 | 2 |
| 29 | 9 | 16 | * | * | * | 3 | 1 | 1 | 3 | 3 | 3 | 2 |
| 30 | 9 | 37 | * | * | * | 3 | 1 | 1 | 2 | 2 | 3 | 2 |
| 31 | 9 | 57 | * | * | * | 2 | 1 | 1 | 3 | 2 | 3 | 2 |
| 32 | 12 | 27 | * | * | * | 0 | 0 | 0 | 2 | 2 | 2 | 0 |
| 33 | 16 | 56 | * | * | * | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 34 | 17 | 16 | * | * | * | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 35 | 17 | 37 | * | * | * | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 36 | 21 | 25 | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 37 | 21 | 46 | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 38 | 22 | 6 | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 | 22 | 26 | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | 23 | 16 | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | 23 | 36 | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | 23 | 57 | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 43 | 24 | 17 | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | 24 | 38 | * | * | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | 24 | 58 | * | * | * | 0 | 0 | 0 | 0 | 34 | 0 | 0 |
| | | | | | | | | | | 33 | 0 | 0 |
| | | | | | | | | | | 35 | 0 | 0 |

| 1-01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-15 ROTOR RPM | 1-17 L.H. THROTT POS | 1-16 R.H. THROTT POS | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL PUMP OUTLET PRESS PSIG | 1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG | 1-25 ENG.1 BLEED AIR PRESS PSIG |
|------------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---|--|--|--|---|---|--|
| 46 | 25 | 19 | * | 7 | 2 | * | 0 | 0 | 0 | 33 | 0 | 0 |
| 47 | 25 | 39 | * | 7 | 2 | 0 | 0 | 0 | 0 | 33 | 0 | 0 |
| 48 | 26 | 0 | * | 7 | 2 | * | 0 | 0 | 0 | 37 | 0 | 1 |
| 49 | 26 | 20 | * | 7 | 2 | 0 | 0 | 0 | 0 | 31 | * | 1 |
| 50 | 26 | 41 | * | 7 | 2 | 0 | 0 | 0 | 1 | 36 | * | 1 |
| 51 | 27 | 1 | * | 7 | 2 | 0 | 0 | 0 | 0 | 36 | 0 | 0 |
| 52 | 29 | 42 | * | 7 | 2 | 0 | 0 | 0 | 0 | 36 | 0 | 0 |
| 53 | 30 | 3 | * | 7 | 2 | 0 | 0 | 0 | 0 | 34 | 0 | 1 |
| 54 | 30 | 23 | * | 7 | 2 | 0 | 0 | 0 | 0 | 41 | 0 | 1 |
| 55 | 34 | 24 | * | 7 | 2 | 0 | 0 | 0 | 0 | 36 | 0 | 1 |
| 56 | 34 | 45 | * | 7 | 2 | 0 | 0 | 0 | 1 | 39 | 0 | 0 |
| 57 | 35 | 5 | * | 7 | 2 | 0 | 0 | 0 | 0 | 36 | 0 | 0 |
| 58 | 35 | 26 | * | 7 | 2 | 0 | 0 | 0 | 0 | 37 | 0 | 0 |
| 59 | 36 | 54 | * | 7 | 2 | 0 | 0 | 0 | 0 | 34 | 0 | 0 |
| 60 | 39 | 14 | * | 7 | 2 | 0 | 0 | 0 | 0 | 39 | 0 | 1 |
| 61 | 39 | 35 | * | 7 | 2 | 0 | 0 | 0 | 0 | 34 | 0 | 1 |
| 62 | 39 | 56 | * | 7 | 2 | 0 | 0 | 0 | 0 | 26 | 0 | 0 |
| 63 | 43 | 24 | * | 8 | 2 | 0 | 0 | 1 | 0 | 35 | 0 | 0 |
| 64 | 43 | 43 | * | 8 | 2 | 0 | 0 | 0 | 0 | 36 | 0 | 1 |
| 65 | 44 | 5 | * | 7 | 2 | 0 | 0 | 0 | 0 | 35 | 0 | 1 |
| 66 | 44 | 26 | * | 8 | 2 | 0 | 0 | 0 | 0 | 34 | 0 | 1 |
| 67 | 47 | 54 | * | 8 | 2 | 0 | 0 | 0 | 0 | 33 | 0 | 0 |
| 68 | 47 | 24 | * | 8 | 2 | 0 | 0 | 0 | 0 | 35 | 0 | 0 |
| 69 | 52 | 45 | * | 9 | 2 | 0 | 0 | 1 | 1 | 34 | 1 | 1 |
| 70 | 53 | 6 | * | 8 | 2 | 0 | 0 | 1 | 0 | 34 | 1 | 1 |
| 71 | 53 | 27 | * | 8 | 2 | 2 | 0 | 1 | 0 | 34 | 0 | 0 |
| 72 | 53 | 47 | * | 8 | 2 | 0 | 0 | 0 | 0 | 33 | 0 | 0 |
| 73 | 54 | 8 | * | 8 | 2 | 0 | 0 | 1 | 0 | 32 | 0 | 0 |
| 74 | 54 | 29 | * | 8 | 2 | 0 | 0 | 0 | 1 | 32 | 0 | 0 |
| 75 | 54 | 50 | * | 8 | 2 | 0 | 0 | 1 | 0 | 33 | 0 | 0 |
| 76 | 55 | 10 | * | 8 | 2 | 0 | 0 | 0 | 0 | 33 | 0 | 0 |
| 77 | 55 | 31 | * | 8 | 2 | 0 | 0 | 0 | 0 | 35 | 0 | 0 |
| 78 | 55 | 52 | * | 8 | 2 | 0 | 0 | 0 | 0 | 33 | 0 | 0 |
| 79 | 56 | 13 | * | 8 | 2 | 0 | 0 | 1 | 1 | 34 | 2 | 1 |
| 80 | 56 | 34 | * | 8 | 2 | 0 | 0 | 0 | 2 | 35 | 0 | 2 |
| 81 | 56 | 55 | * | 8 | 2 | 0 | 0 | 0 | 0 | 35 | 0 | 0 |
| 82 | 57 | 15 | * | 8 | 2 | 0 | 0 | 1 | 1 | 34 | 1 | 1 |
| 83 | 57 | 36 | * | 9 | 2 | 0 | 0 | 1 | 1 | 33 | 1 | 1 |
| 84 | 57 | 57 | * | 8 | 2 | 1 | 0 | 0 | 0 | 33 | 1 | 2 |
| 85 | 58 | 17 | * | 8 | 2 | 0 | 0 | 0 | 0 | 31 | 0 | 0 |
| 86 | 58 | 38 | * | 8 | 2 | 0 | 0 | 0 | 0 | 32 | 0 | 0 |
| 87 | 58 | 59 | * | 8 | 2 | 0 | 0 | 1 | 0 | 31 | 0 | 0 |
| 88 | 59 | 19 | * | 6 | 2 | 0 | 0 | 1 | 0 | 33 | 0 | 1 |
| 89 | 59 | 40 | * | 9 | 2 | 0 | 0 | 1 | 0 | 33 | 0 | 0 |
| 90 | 60 | 8 | * | 8 | 2 | 0 | 0 | 0 | 1 | 32 | 0 | 2 |
| 91 | 60 | 21 | * | 8 | 2 | 0 | 0 | 0 | 1 | 32 | 0 | 2 |
| 92 | 60 | 47 | * | 8 | 2 | 0 | 0 | 0 | 2 | 34 | 0 | 1 |
| 93 | 61 | 2 | * | 8 | 2 | 0 | 0 | 0 | 2 | 33 | 0 | 1 |
| 94 | 61 | 23 | * | 8 | 2 | 0 | 0 | 0 | 1 | 34 | 1 | 1 |
| 95 | 61 | 43 | * | 8 | 2 | 0 | 0 | 0 | 1 | 34 | 0 | 2 |

| 1-01 SWEET COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-15 ROTOR RPM | 1-17 L.O. TARGET POS | PERCENT TRAVEL | 1-18 R.H. TARGET POS | PERCENT TRAVEL | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SOAB PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL BOOST PUMP OUTLET PRESS PSIG | 1-22 ENG.1 NOSE GEAR COX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG | 1-25 ENG.1 BUCCED AIR PRESS PSIG |
|------------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------|-------------------------------|-------------------|---|--|---|--|---|---|---|
| 96 | 62 | 4 | * | 3 | 3 | 0 | * | 1 | 1 | 1 | 33 | 33 | 1 | 2 |
| 97 | 62 | 25 | * | 3 | 3 | 0 | * | 0 | 0 | 0 | 32 | 32 | 1 | 2 |
| 98 | 62 | 45 | * | 3 | 3 | 0 | * | 0 | 0 | 0 | 31 | 31 | 1 | 2 |
| 99 | 63 | 6 | * | 3 | 3 | 0 | 0 | 1 | 1 | 1 | 35 | 35 | 0 | 2 |
| 100 | 63 | 26 | * | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 35 | 35 | 0 | 1 |
| 101 | 63 | 47 | * | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 33 | 33 | 0 | 2 |
| 102 | 64 | 7 | * | 3 | 3 | 0 | 0 | 1 | 1 | 1 | 32 | 32 | 0 | 2 |
| 103 | 64 | 28 | * | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 33 | 33 | 1 | 2 |
| 104 | 64 | 48 | * | 3 | 3 | 0 | 20 | 0 | 0 | 0 | 31 | 31 | 0 | 2 |
| 105 | 65 | 9 | * | 3 | 3 | 70 | 5 | 0 | 0 | 0 | 35 | 35 | 0 | 0 |
| 106 | 65 | 30 | * | 3 | 3 | 0 | 0 | 1 | 1 | 1 | 34 | 34 | 2 | 1 |
| 107 | 65 | 50 | * | 3 | 3 | 0 | 21 | 0 | 0 | 0 | 35 | 35 | 0 | 2 |
| 108 | 66 | 11 | * | 3 | 3 | 0 | 19 | 0 | 0 | 0 | 32 | 32 | 0 | 3 |
| 109 | 66 | 31 | * | 3 | 3 | 37 | 11 | 1 | 1 | 1 | 32 | 32 | 0 | 1 |
| 110 | 66 | 52 | * | 14 | 9 | 1 | 8 | 0 | 0 | 0 | 33 | 33 | 1 | 1 |
| 111 | 67 | 13 | * | 9 | 9 | 29 | 0 | 1 | 1 | 1 | 34 | 34 | 2 | 1 |
| 112 | 67 | 33 | * | 9 | 9 | 10 | 0 | 0 | 0 | 0 | 32 | 32 | 0 | 2 |
| 113 | 67 | 54 | * | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 34 | 34 | 1 | 1 |
| 114 | 68 | 15 | * | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 35 | 35 | 1 | 2 |
| 115 | 68 | 35 | * | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 35 | 35 | 0 | 2 |
| 116 | 68 | 56 | * | 3 | 3 | 0 | 0 | 1 | 1 | 1 | 33 | 33 | 0 | 1 |
| 117 | 69 | 17 | * | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 33 | 33 | 0 | 2 |
| 118 | 69 | 38 | * | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 33 | 33 | 0 | 2 |
| 119 | 69 | 58 | * | 23 | 23 | 0 | 0 | 3 | 3 | 3 | 35 | 35 | 27 | 2 |
| 120 | 70 | 19 | * | 26 | 26 | 0 | 0 | 0 | 0 | 0 | 33 | 33 | 27 | 2 |
| 121 | 70 | 40 | * | 24 | 24 | 0 | 0 | 1 | 1 | 1 | 36 | 36 | 26 | 3 |
| 122 | 71 | 0 | * | 31 | 31 | 0 | 0 | 0 | 0 | 0 | 31 | 31 | 24 | 3 |
| 123 | 71 | 21 | * | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 37 | 37 | 27 | 4 |
| 124 | 71 | 41 | * | 9 | 9 | 0 | 0 | 2 | 2 | 2 | 37 | 37 | 27 | 4 |
| 125 | 72 | 2 | * | 33 | 33 | 0 | 0 | 0 | 0 | 0 | 37 | 37 | 33 | 2 |
| 126 | 72 | 22 | * | 9 | 9 | 0 | 0 | 2 | 2 | 2 | 36 | 36 | 33 | 1 |
| 127 | 72 | 43 | * | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 36 | 36 | 45 | 3 |
| 128 | 73 | 3 | * | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 36 | 36 | 49 | 2 |
| 129 | 73 | 24 | * | 82 | 82 | 0 | 0 | 0 | 0 | 0 | 36 | 36 | 57 | 2 |
| 130 | 73 | 44 | * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 36 | 60 | 1 |
| 131 | 74 | 5 | * | 9 | 9 | 23 | 23 | 1 | 1 | 1 | 35 | 35 | 60 | 4 |
| 132 | 74 | 25 | * | 28 | 28 | 21 | 21 | 6 | 6 | 6 | 36 | 36 | 60 | 4 |
| 133 | 74 | 46 | * | 24 | 24 | 18 | 15 | 35 | 35 | 35 | 36 | 36 | 60 | 4 |
| 134 | 75 | 6 | 104 | 20 | 20 | 45 | 42 | 22 | 22 | 22 | 36 | 36 | 61 | 3 |
| 135 | 75 | 27 | 104 | 28 | 28 | 62 | 62 | 11 | 11 | 11 | 36 | 36 | 61 | 3 |
| 136 | 75 | 47 | 103 | 28 | 28 | 61 | 61 | 22 | 22 | 22 | 36 | 36 | 63 | 3 |
| 137 | 76 | 7 | 103 | 28 | 28 | 81 | 81 | 19 | 19 | 19 | 35 | 35 | 66 | 3 |
| 138 | 76 | 28 | * | 42 | 42 | 94 | 94 | 21 | 21 | 21 | 36 | 36 | 68 | 3 |
| 139 | 76 | 48 | * | 81 | 81 | 78 | 78 | 21 | 21 | 21 | 38 | 38 | 69 | 5 |
| 140 | 77 | 9 | * | 90 | 90 | 70 | 70 | 21 | 21 | 21 | 34 | 34 | 70 | 5 |
| 141 | 77 | 29 | * | 72 | 72 | 71 | 71 | 21 | 21 | 21 | 36 | 36 | 73 | 105 |
| 142 | 77 | 49 | * | 92 | 92 | 76 | 76 | 21 | 21 | 21 | 40 | 40 | 72 | 110 |
| 143 | 78 | 10 | * | 85 | 85 | 49 | 49 | 21 | 21 | 21 | 59 | 59 | 75 | 62 |
| 144 | 78 | 30 | * | 89 | 89 | 46 | 46 | 20 | 20 | 20 | 60 | 60 | 75 | 62 |
| 145 | 78 | 50 | * | 89 | 89 | 47 | 47 | 20 | 20 | 20 | 63 | 63 | 75 | 62 |
| | | | * | 89 | 89 | 42 | 42 | 20 | 20 | 20 | 64 | 64 | 75 | 62 |

| -01 SHEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-15 MOTOR RPM | 1-17 THRUST POS | 1-18 R.H. THRUST POS | 1-19 ENJ.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENJ.1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENJ.1 FUEL BOOST PUMP OUTLET PRESS PSIG | 1-22 ENJ.1 NOSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG | 1-25 ENG.1 BLEED AIR PRESS PSIG |
|-----------------------|----------------------|----------------------|----------------------|-----------------------|-------------------------------|---|--|---|--|---|---|--|
| 146 | 79 | 18 | * | 95 | 89 | 48 | 23 | 24 | 60 | 42 | 78 | 93 |
| 147 | 79 | 30 | * | 64 | 90 | 40 | 17 | 21 | 66 | 17 | 77 | 62 |
| 148 | 79 | 58 | * | 69 | 82 | 46 | 23 | 22 | 60 | 36 | 78 | 88 |
| 149 | 80 | 11 | 102 | 74 | 68 | 43 | 19 | 24 | 63 | 37 | 74 | 75 |
| 150 | 80 | 32 | 95 | 62 | 55 | 39 | 17 | 21 | 59 | 32 | 73 | 66 |
| 151 | 80 | 52 | 103 | 65 | 78 | 45 | 22 | 23 | 64 | 39 | 75 | 88 |
| 152 | 81 | 13 | * | 85 | 80 | 42 | 20 | 24 | 55 | 39 | 75 | 84 |
| 153 | 81 | 33 | 182 | 04 | 79 | 48 | 22 | 21 | 61 | 34 | 75 | 82 |
| 154 | 81 | 57 | 183 | 84 | 79 | 41 | 17 | 22 | 61 | 38 | 75 | 81 |
| 155 | 82 | 14 | 103 | 04 | 79 | 41 | 17 | 22 | 56 | 39 | 77 | 84 |
| 156 | 82 | 34 | * | 85 | 80 | 43 | 18 | 21 | 59 | 38 | 76 | 87 |
| 157 | 82 | 54 | * | 85 | 80 | 42 | 18 | 21 | 57 | 38 | 74 | 85 |
| 158 | 83 | 14 | * | 85 | 80 | 42 | 19 | 21 | 55 | 39 | 75 | 85 |
| 159 | 83 | 35 | * | 85 | 88 | 42 | 16 | 24 | 58 | 33 | 76 | 83 |
| 160 | 83 | 55 | * | 85 | 79 | 44 | 19 | 24 | 58 | 39 | 76 | 83 |
| 161 | 84 | 15 | 184 | 85 | 79 | 41 | 16 | 24 | 57 | 41 | 76 | 84 |
| 162 | 84 | 36 | 184 | 85 | 88 | 44 | 16 | 22 | 57 | 36 | 76 | 84 |
| 163 | 84 | 56 | 184 | 85 | 79 | 40 | 20 | 22 | 57 | 33 | 74 | 83 |
| 164 | 85 | 16 | 184 | 85 | 80 | 41 | 19 | 21 | 56 | 35 | 77 | 86 |
| 165 | 85 | 36 | * | 85 | 88 | 45 | 16 | 23 | 56 | 37 | 79 | 83 |
| 166 | 85 | 57 | 183 | 85 | 77 | 43 | 22 | 21 | 56 | 37 | 77 | 84 |
| 167 | 86 | 17 | 184 | 84 | 77 | 42 | 21 | 23 | 58 | 34 | 74 | 84 |
| 168 | 86 | 37 | 183 | 85 | 77 | 42 | 18 | 23 | 56 | 35 | 75 | 85 |
| 169 | 86 | 57 | 183 | 85 | 77 | 45 | 19 | 26 | 55 | 35 | 74 | 84 |
| 170 | 87 | 16 | * | 85 | 77 | 43 | 19 | 21 | 55 | 39 | 74 | 85 |
| 171 | 87 | 38 | 183 | 84 | 77 | 44 | 22 | 21 | 53 | 36 | 71 | 87 |
| 172 | 87 | 58 | * | 85 | 77 | 41 | 20 | 21 | 55 | 38 | 74 | 89 |
| 173 | 88 | 18 | 184 | 85 | 77 | 39 | 18 | 23 | 55 | 36 | 72 | 89 |
| 174 | 88 | 39 | 183 | 85 | 77 | 42 | 21 | 22 | 55 | 36 | 75 | 85 |
| 175 | 88 | 59 | 184 | 85 | 77 | 43 | 16 | 23 | 57 | 43 | 73 | 85 |
| 176 | 89 | 19 | * | 84 | 78 | 45 | 18 | 23 | 59 | 44 | 74 | 84 |
| 177 | 89 | 39 | 183 | 85 | 77 | 43 | 20 | 22 | 57 | 39 | 73 | 84 |
| 178 | 90 | 0 | 184 | 85 | 77 | 43 | 20 | 22 | 59 | 36 | 73 | 85 |
| 179 | 90 | 20 | * | 85 | 78 | 45 | 18 | 25 | 59 | 36 | 73 | 85 |
| 180 | 90 | 48 | 185 | 85 | 77 | 43 | 22 | 22 | 59 | 38 | 73 | 85 |
| 181 | 91 | 0 | 184 | 85 | 77 | 42 | 17 | 23 | 59 | 37 | 72 | 88 |
| 182 | 91 | 20 | 184 | 85 | 77 | 44 | 24 | 23 | 59 | 36 | 73 | 89 |
| 183 | 91 | 41 | 184 | 85 | 77 | 42 | 20 | 26 | 55 | 38 | 72 | 85 |
| 184 | 92 | 1 | 184 | 85 | 77 | 42 | 20 | 24 | 58 | 37 | 72 | 88 |
| 185 | 92 | 21 | 184 | 85 | 77 | 42 | 18 | 24 | 59 | 37 | 70 | 91 |
| 186 | 92 | 41 | 184 | 85 | 77 | 42 | 23 | 23 | 56 | 39 | 71 | 89 |
| 187 | 93 | 1 | 185 | 85 | 77 | 43 | 20 | 26 | 58 | 40 | 70 | 92 |
| 188 | 93 | 22 | 183 | 85 | 77 | 44 | 22 | 21 | 55 | 39 | 73 | 91 |
| 189 | 93 | 42 | 183 | 85 | 77 | 43 | 17 | 22 | 57 | 37 | 72 | 90 |
| 190 | 94 | 2 | 183 | 85 | 77 | 43 | 20 | 20 | 56 | 37 | 69 | 88 |
| 191 | 94 | 22 | * | 85 | 77 | 44 | 21 | 24 | 58 | 41 | 73 | 89 |
| 192 | 94 | 42 | 183 | 85 | 77 | 45 | 23 | 24 | 59 | 41 | 67 | 88 |
| 193 | 95 | 3 | 182 | 85 | 78 | 45 | 22 | 25 | 59 | 41 | 72 | 84 |
| 194 | 95 | 23 | 182 | 87 | 82 | 52 | 19 | 23 | 59 | 41 | 74 | 134 |
| 195 | 95 | 43 | 182 | 88 | 82 | 49 | 20 | 25 | 61 | 48 | 75 | 137 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-15 ROTOR RPH | 1-17 L.H. THROTT POS | PERCENT TRAVEL | 1-18 R.H. THROTT POS | PERCENT TRAVEL | 1-19 ENG-1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG-1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENG-1 FUEL BOOST PUMP OUTLET PSIG | 1-22 ENG-1 NOSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG | 1-25 ENG-1 BLEED AIR PRESS PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------|-------------------------------|-------------------|---|--|--|--|---|---|--|
| 196 | 96 | 3 | 103 | 88 | 82 | 82 | 49 | 19 | 24 | 59 | 39 | 70 | 136 | |
| 197 | 96 | 24 | 104 | 86 | 81 | 81 | 50 | 20 | 24 | 63 | 40 | 76 | 135 | |
| 198 | 96 | 44 | * | 86 | 80 | 82 | 51 | 20 | 24 | 62 | 39 | 75 | 137 | |
| 199 | 97 | 4 | 103 | 87 | 82 | 82 | 50 | 19 | 23 | 61 | 40 | 76 | 132 | |
| 200 | 97 | 24 | 103 | 87 | 82 | 82 | 50 | 20 | 24 | 61 | 38 | 77 | 129 | |
| 201 | 97 | 45 | 103 | 87 | 82 | 82 | 51 | 18 | 25 | 65 | 40 | 78 | 132 | |
| 202 | 98 | 5 | 104 | 87 | 82 | 82 | 51 | 21 | 24 | 62 | 41 | 77 | 125 | |
| 203 | 98 | 25 | * | 85 | 78 | 82 | 50 | 23 | 23 | 60 | 41 | 76 | 131 | |
| 204 | 98 | 45 | 103 | 84 | 77 | 77 | 49 | 21 | 25 | 60 | 38 | 75 | 134 | |
| 205 | 99 | 5 | 102 | 83 | 77 | 77 | 50 | 18 | 25 | 60 | 39 | 75 | 133 | |
| 206 | 99 | 26 | 102 | 84 | 75 | 75 | 49 | 18 | 25 | 60 | 38 | 72 | 134 | |
| 207 | 99 | 46 | 103 | 83 | 77 | 77 | 50 | 20 | 24 | 62 | 34 | 73 | 130 | |
| 208 | 100 | 6 | * | 83 | 75 | 75 | 50 | 23 | 24 | 60 | 39 | 73 | 131 | |
| 209 | 100 | 26 | 103 | 83 | 76 | 76 | 48 | 18 | 23 | 60 | 37 | 72 | 131 | |
| 210 | 100 | 47 | 102 | 83 | 77 | 77 | 49 | 19 | 24 | 61 | 38 | 75 | 132 | |
| 211 | 101 | 7 | 103 | 84 | 77 | 77 | 51 | 19 | 24 | 61 | 41 | 75 | 135 | |
| 212 | 101 | 27 | * | 84 | 77 | 77 | 51 | 19 | 24 | 60 | 41 | 75 | 133 | |
| 213 | 101 | 47 | 102 | 83 | 77 | 77 | 51 | 18 | 25 | 60 | 39 | 72 | 136 | |
| 214 | 102 | 8 | 102 | 84 | 78 | 78 | 51 | 18 | 23 | 61 | 41 | 75 | 128 | |
| 215 | 102 | 28 | 102 | 85 | 78 | 78 | 49 | 21 | 23 | 60 | 36 | 76 | 129 | |
| 216 | 102 | 48 | 101 | 85 | 78 | 78 | 51 | 21 | 25 | 65 | 38 | 75 | 130 | |
| 217 | 103 | 9 | * | 85 | 79 | 79 | 51 | 17 | 22 | 61 | 39 | 75 | 134 | |
| 218 | 103 | 29 | 102 | 85 | 78 | 78 | 50 | 22 | 23 | 60 | 42 | 75 | 130 | |
| 219 | 103 | 49 | 102 | 84 | 78 | 78 | 49 | 20 | 24 | 59 | 39 | 74 | 138 | |
| 220 | 104 | 9 | 102 | 85 | 78 | 78 | 51 | 20 | 24 | 61 | 41 | 73 | 131 | |
| 221 | 104 | 30 | 102 | 85 | 78 | 78 | 51 | 20 | 24 | 61 | 40 | 75 | 133 | |
| 222 | 104 | 50 | 102 | 85 | 79 | 79 | 51 | 18 | 24 | 64 | 42 | 77 | 141 | |
| 223 | 105 | 10 | * | 86 | 81 | 81 | 50 | 14 | 25 | 60 | 43 | 75 | 129 | |
| 224 | 105 | 30 | 102 | 84 | 81 | 81 | 51 | 21 | 24 | 62 | 41 | 73 | 137 | |
| 225 | 105 | 51 | 102 | 86 | 81 | 81 | 48 | 23 | 22 | 60 | 42 | 75 | 134 | |
| 226 | 106 | 11 | 102 | 85 | 77 | 77 | 50 | 28 | 24 | 60 | 41 | 75 | 138 | |
| 227 | 106 | 31 | 102 | 85 | 79 | 79 | 50 | 21 | 20 | 63 | 33 | 74 | 141 | |
| 228 | 106 | 51 | 102 | 84 | 78 | 78 | 48 | 18 | 24 | 60 | 44 | 75 | 138 | |
| 229 | 107 | 11 | 102 | 85 | 79 | 79 | 51 | 18 | 23 | 60 | 42 | 72 | 138 | |
| 230 | 107 | 32 | 101 | 85 | 74 | 74 | 52 | 16 | 23 | 65 | 41 | 76 | 149 | |
| 231 | 107 | 52 | 102 | 85 | 79 | 79 | 51 | 20 | 23 | 62 | 37 | 76 | 146 | |
| 232 | 108 | 12 | 102 | 85 | 79 | 79 | 50 | 21 | 22 | 64 | 37 | 76 | 146 | |
| 233 | 108 | 32 | 102 | 85 | 79 | 79 | 51 | 17 | 25 | 59 | 39 | 75 | 143 | |
| 234 | 108 | 52 | 102 | 85 | 79 | 79 | 51 | 19 | 25 | 60 | 39 | 74 | 145 | |
| 235 | 109 | 12 | 102 | 85 | 81 | 81 | 52 | 19 | 25 | 59 | 37 | 75 | 143 | |
| 236 | 109 | 32 | 103 | 85 | 81 | 81 | 49 | 25 | 25 | 60 | 37 | 75 | 143 | |
| 237 | 109 | 53 | 102 | 85 | 79 | 79 | 50 | 21 | 23 | 61 | 40 | 76 | 146 | |
| 238 | 110 | 13 | * | 87 | 79 | 79 | 51 | 20 | 20 | 62 | 40 | 74 | 148 | |
| 239 | 110 | 33 | 103 | 86 | 79 | 79 | 49 | 20 | 24 | 60 | 40 | 73 | 145 | |
| 240 | 110 | 53 | * | 85 | 79 | 79 | 51 | 20 | 23 | 65 | 39 | 73 | 147 | |
| 241 | 111 | 13 | 102 | 86 | 79 | 79 | 52 | 19 | 25 | 65 | 41 | 76 | 146 | |
| 242 | 111 | 33 | 102 | 85 | 79 | 79 | 49 | 19 | 24 | 65 | 41 | 73 | 146 | |
| 243 | 111 | 53 | 102 | 85 | 79 | 79 | 51 | 21 | 25 | 60 | 40 | 74 | 145 | |
| 244 | 112 | 13 | 104 | 85 | 79 | 79 | 50 | 18 | 25 | 58 | 36 | 75 | 147 | |
| 245 | 112 | 33 | 102 | 86 | 79 | 79 | 51 | 21 | 25 | 59 | 39 | 74 | 146 | |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-15 ROTOR RPM | 1-17 L.H. THROTT POS | 1-18 R.H. THROTT POS | 1-19 ENCL OIL PUMP OUTLET PRESS PSIG | 1-20 ENCL SCAV PUMP OUTLET PRESS PSIG | 1-21 ENCL FUEL BOOST PUMP OUTLET PRESS PSIG | 1-22 ENCL NOSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG | 1-25 ENCL BLEED AIR PRESS PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|--|---|--|---|---|---|---|
| 246 | 112 | 53 | * | 86 | 79 | 50 | 22 | 24 | 60 | 62 | 75 | 140 |
| 247 | 113 | 13 | 102 | 87 | 79 | 50 | 19 | 24 | 62 | 39 | 75 | 147 |
| 248 | 113 | 33 | 102 | 86 | 79 | 52 | 19 | 28 | 65 | 39 | 74 | 149 |
| 249 | 113 | 53 | 102 | 87 | 79 | 49 | 19 | 26 | 58 | 37 | 73 | 150 |
| 250 | 114 | 13 | 102 | 86 | 79 | 51 | 20 | 22 | 57 | 48 | 73 | 149 |
| 251 | 114 | 33 | 102 | 86 | 79 | 49 | 20 | 22 | 59 | 41 | 74 | 149 |
| 252 | 114 | 53 | 102 | 86 | 81 | 50 | 18 | 24 | 62 | 36 | 73 | 147 |
| 253 | 115 | 13 | 102 | 86 | 80 | 50 | 20 | 23 | 61 | 39 | 73 | 146 |
| 254 | 115 | 33 | * | 86 | 81 | 51 | 17 | 25 | 65 | 47 | 74 | 147 |
| 255 | 115 | 53 | 102 | 86 | 80 | 51 | 21 | 24 | 59 | 47 | 75 | 148 |
| 256 | 116 | 13 | 102 | 86 | 80 | 51 | 19 | 26 | 65 | 42 | 74 | 147 |
| 257 | 116 | 33 | 102 | 86 | 81 | 50 | 19 | 25 | 62 | 38 | 75 | 147 |
| 258 | 116 | 53 | 102 | 86 | 80 | 49 | 17 | 22 | 63 | 42 | 74 | 149 |
| 259 | 117 | 13 | 102 | 86 | 80 | 50 | 28 | 24 | 60 | 42 | 74 | 149 |
| 260 | 117 | 33 | 101 | 86 | 81 | 51 | 24 | 23 | 60 | 43 | 74 | 148 |
| 261 | 117 | 53 | 102 | 86 | 81 | 50 | 20 | 26 | 62 | 42 | 74 | 147 |
| 262 | 118 | 13 | 102 | 86 | 81 | 51 | 19 | 23 | 59 | 42 | 74 | 146 |
| 263 | 118 | 33 | 102 | 86 | 80 | 51 | 21 | 24 | 65 | 38 | 75 | 149 |
| 264 | 118 | 53 | 101 | 86 | 80 | 50 | 18 | 23 | 65 | 39 | 74 | 145 |
| 265 | 119 | 13 | 102 | 86 | 81 | 51 | 28 | 25 | 62 | 42 | 75 | 146 |
| 266 | 119 | 34 | 102 | 86 | 80 | 51 | 18 | 25 | 61 | 42 | 73 | 143 |
| 267 | 119 | 54 | 102 | 86 | 80 | 50 | 21 | 25 | 60 | 41 | 74 | 148 |
| 268 | 120 | 14 | 102 | 86 | 80 | 51 | 21 | 24 | 59 | 39 | 74 | 147 |
| 269 | 120 | 33 | 103 | 86 | 80 | 51 | 28 | 23 | 61 | 41 | 73 | 149 |
| 270 | 120 | 54 | 97 | 75 | 69 | 48 | 28 | 24 | 52 | 41 | 69 | 147 |
| 271 | 121 | 14 | 97 | 76 | 68 | 50 | 22 | 21 | 55 | 30 | 68 | 143 |
| 272 | 121 | 34 | 96 | 75 | 70 | 49 | 19 | 24 | 55 | 36 | 69 | 139 |
| 273 | 121 | 54 | 91 | 76 | 70 | 50 | 22 | 22 | 55 | 43 | 69 | 146 |
| 274 | 122 | 15 | 96 | 75 | 69 | 48 | 19 | 24 | 55 | 36 | 69 | 141 |
| 275 | 122 | 35 | 97 | 75 | 69 | 48 | 21 | 23 | 56 | 42 | 68 | 146 |
| 276 | 122 | 55 | * | 76 | 78 | 48 | 19 | 21 | 55 | 36 | 69 | 143 |
| 277 | 123 | 15 | 97 | 75 | 69 | 48 | 22 | 24 | 52 | 37 | 66 | 142 |
| 278 | 123 | 36 | * | 75 | 70 | 49 | 22 | 22 | 54 | 41 | 69 | 143 |
| 279 | 123 | 56 | 96 | 75 | 68 | 48 | 28 | 22 | 54 | 41 | 69 | 143 |
| 280 | 124 | 16 | 94 | 68 | 53 | 46 | 18 | 21 | 56 | 40 | 66 | 133 |
| 281 | 124 | 37 | * | 66 | 42 | 47 | 16 | 21 | 52 | 35 | 63 | 140 |
| 282 | 124 | 58 | 99 | 52 | 42 | 48 | 18 | 23 | 54 | 33 | 64 | 149 |
| 283 | 125 | 18 | * | 51 | 45 | 48 | 17 | 22 | 60 | 41 | 63 | 144 |
| 284 | 125 | 39 | 92 | 51 | 44 | 45 | 17 | 22 | 63 | 41 | 63 | 134 |
| 285 | 125 | 59 | 91 | 51 | 43 | 48 | 17 | 24 | 63 | 38 | 63 | 143 |
| 286 | 126 | 28 | 91 | 51 | 43 | 47 | 18 | 22 | 61 | 31 | 63 | 138 |
| 287 | 126 | 48 | 92 | 51 | 43 | 44 | 16 | 25 | 63 | 35 | 63 | 138 |
| 288 | 127 | 1 | 92 | 51 | 43 | 46 | 19 | 21 | 63 | 29 | 63 | 134 |
| 289 | 127 | 22 | 91 | 52 | 43 | 46 | 16 | 24 | 62 | 29 | 64 | 141 |
| 290 | 127 | 42 | * | 51 | 43 | 47 | 17 | 22 | 63 | 36 | 63 | 142 |
| 291 | 128 | 3 | 92 | 52 | 43 | 45 | 20 | 24 | 60 | 37 | 61 | 139 |
| 292 | 129 | 23 | 92 | 51 | 43 | 46 | 20 | 22 | 62 | 34 | 64 | 136 |
| 293 | 129 | 44 | 92 | 52 | 43 | 45 | 19 | 26 | 62 | 34 | 64 | 137 |
| 294 | 129 | 4 | 93 | 52 | 43 | 48 | 21 | 24 | 62 | 34 | 62 | 137 |
| 295 | 129 | 25 | * | 52 | 43 | 47 | 18 | 24 | 62 | 33 | 63 | 141 |

| -01 SHEEP COUNT | 1-02 TIME *IN. | 1-03 TIME SEC. | 1-15 ROTOR RPM | 1-17 L.H. THROTT POS | 1-18 R.H. THROTT POS | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL BOOST PUMP OUTLET PRESS PSIG | 1-22 ENG.1 MOSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG | 1-25 ENG.1 BLEED AIR PRESS PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---|--|---|--|---|---|--|
| 296 | 129 | 45 | 92 | 52 | 43 | 47 | 17 | 22 | 60 | 35 | 63 | 142 |
| 297 | 130 | 6 | 92 | 52 | 43 | 47 | 18 | 22 | 53 | 36 | 63 | 139 |
| 298 | 130 | 26 | 91 | 52 | 43 | 46 | 18 | 24 | 56 | 34 | 63 | 148 |
| 299 | 130 | 47 | 91 | 52 | 43 | 47 | 16 | 23 | 58 | 35 | 62 | 140 |
| 300 | 131 | 7 | 92 | 52 | 43 | 45 | 22 | 23 | 58 | 37 | 60 | 135 |
| 301 | 131 | 28 | 91 | 52 | 43 | 45 | 17 | 22 | 56 | 36 | 63 | 135 |
| 302 | 131 | 48 | 91 | 52 | 43 | 46 | 18 | 22 | 53 | 36 | 60 | 138 |
| 303 | 132 | 9 | 92 | 52 | 43 | 47 | 17 | 24 | 53 | 35 | 63 | 141 |
| 304 | 132 | 29 | 91 | 52 | 43 | 45 | 18 | 24 | 53 | 34 | 63 | 137 |
| 305 | 132 | 50 | 91 | 52 | 43 | 47 | 20 | 24 | 52 | 34 | 64 | 141 |
| 306 | 133 | 10 | 92 | 52 | 43 | 46 | 17 | 24 | 58 | 35 | 64 | 137 |
| 307 | 133 | 31 | 92 | 52 | 43 | 44 | 17 | 24 | 56 | 38 | 64 | 136 |
| 308 | 133 | 51 | 91 | 51 | 43 | 44 | 17 | 24 | 63 | 36 | 63 | 139 |
| 309 | 134 | 12 | 92 | 52 | 43 | 45 | 19 | 24 | 52 | 35 | 61 | 133 |
| 310 | 134 | 32 | 92 | 52 | 43 | 45 | 16 | 24 | 59 | 38 | 65 | 138 |
| 311 | 134 | 53 | 94 | 71 | 48 | 46 | 17 | 23 | 55 | 38 | 67 | 136 |
| 312 | 135 | 13 | 95 | 76 | 48 | 46 | 19 | 22 | 52 | 40 | 68 | 158 |
| 313 | 135 | 33 | 96 | 75 | 69 | 51 | 19 | 22 | 41 | 41 | 68 | 142 |
| 314 | 135 | 53 | 96 | 75 | 70 | 46 | 20 | 24 | 48 | 46 | 69 | 142 |
| 315 | 135 | 53 | 97 | 75 | 70 | 50 | 20 | 24 | 57 | 46 | 69 | 141 |
| 316 | 136 | 13 | 97 | 75 | 70 | 49 | 17 | 22 | 54 | 40 | 78 | 141 |
| 317 | 136 | 33 | 97 | 75 | 70 | 49 | 20 | 24 | 56 | 42 | 69 | 141 |
| 318 | 137 | 53 | 96 | 75 | 70 | 55 | 21 | 24 | 42 | 42 | 78 | 141 |
| 319 | 137 | 13 | 97 | 75 | 70 | 48 | 20 | 23 | 56 | 42 | 71 | 141 |
| 320 | 137 | 33 | 95 | 73 | 70 | 50 | 20 | 23 | 42 | 41 | 70 | 140 |
| 321 | 138 | 13 | 92 | 75 | 70 | 49 | 19 | 24 | 59 | 39 | 69 | 141 |
| 322 | 138 | 33 | 92 | 75 | 70 | 58 | 20 | 24 | 57 | 39 | 71 | 138 |
| 323 | 138 | 53 | 96 | 75 | 70 | 58 | 21 | 26 | 57 | 41 | 71 | 140 |
| 324 | 139 | 13 | 97 | 75 | 70 | 50 | 18 | 25 | 57 | 40 | 70 | 140 |
| 325 | 139 | 33 | 96 | 75 | 70 | 51 | 20 | 23 | 55 | 41 | 69 | 141 |
| 326 | 139 | 53 | 94 | 75 | 70 | 58 | 20 | 24 | 56 | 41 | 69 | 141 |
| 327 | 140 | 13 | 97 | 76 | 71 | 48 | 19 | 23 | 55 | 40 | 68 | 146 |
| 328 | 140 | 33 | 100 | 82 | 77 | 48 | 19 | 23 | 57 | 40 | 72 | 144 |
| 329 | 140 | 53 | 100 | 82 | 77 | 51 | 22 | 23 | 56 | 39 | 72 | 142 |
| 330 | 141 | 13 | 100 | 81 | 74 | 49 | 18 | 25 | 56 | 40 | 75 | 142 |
| 331 | 141 | 33 | 100 | 81 | 74 | 49 | 20 | 25 | 62 | 40 | 75 | 139 |
| 332 | 141 | 53 | 101 | 82 | 74 | 50 | 18 | 23 | 61 | 41 | 74 | 134 |
| 333 | 142 | 12 | 100 | 82 | 74 | 49 | 20 | 24 | 68 | 41 | 76 | 125 |
| 334 | 142 | 32 | 99 | 80 | 74 | 48 | 20 | 24 | 58 | 42 | 75 | 127 |
| 335 | 142 | 52 | 102 | 79 | 74 | 48 | 20 | 24 | 49 | 40 | 76 | 119 |
| 336 | 143 | 12 | 99 | 78 | 74 | 45 | 20 | 24 | 57 | 44 | 75 | 108 |
| 337 | 143 | 32 | 99 | 78 | 73 | 47 | 19 | 24 | 56 | 42 | 72 | 113 |
| 338 | 143 | 51 | 99 | 78 | 73 | 47 | 19 | 24 | 54 | 42 | 72 | 112 |
| 339 | 144 | 11 | 100 | 78 | 72 | 45 | 20 | 26 | 57 | 41 | 73 | 114 |
| 340 | 144 | 31 | 100 | 78 | 72 | 45 | 20 | 26 | 57 | 41 | 73 | 115 |
| 341 | 144 | 51 | 99 | 79 | 72 | 45 | 21 | 25 | 60 | 41 | 69 | 111 |
| 342 | 145 | 10 | 99 | 78 | 72 | 45 | 22 | 24 | 60 | 42 | 69 | 113 |
| 343 | 145 | 30 | 100 | 78 | 72 | 46 | 20 | 26 | 55 | 39 | 70 | 130 |
| 344 | 145 | 50 | 100 | 79 | 72 | 45 | 23 | 24 | 56 | 41 | 72 | 126 |
| 345 | 146 | 10 | 100 | 78 | 72 | 46 | 22 | 24 | 52 | 41 | 72 | 127 |

| -01 SHEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-15 ROTOR RPM | 1-17 L.H. THRIFT POS | 1-18 R.H. THRIFT POS | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL BOOST PUMP OUTLET PRESS PSIG | 1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG | 1-25 ENG.1 BLEAF AIR PRESS PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---|--|---|--|---|---|--|
| 346 | 146 | 30 | 78 | 78 | 72 | 44 | 18 | 24 | 62 | 58 | 71 | 124 |
| 347 | 146 | 50 | 95 | 78 | 71 | 51 | 23 | 24 | 62 | 39 | 63 | 124 |
| 348 | 147 | 9 | 79 | 79 | 71 | 51 | 23 | 24 | 62 | 39 | 63 | 124 |
| 349 | 147 | 29 | 95 | 80 | 71 | 50 | 22 | 23 | 54 | 40 | 69 | 124 |
| 350 | 147 | 49 | 95 | 80 | 73 | 51 | 26 | 25 | 54 | 39 | 71 | 124 |
| 351 | 148 | 9 | 88 | 88 | 73 | 51 | 22 | 24 | 53 | 38 | 78 | 124 |
| 352 | 148 | 29 | 88 | 88 | 73 | 51 | 23 | 24 | 53 | 39 | 78 | 124 |
| 353 | 148 | 48 | 100 | 80 | 73 | 48 | 28 | 24 | 64 | 41 | 72 | 124 |
| 354 | 149 | 8 | 99 | 80 | 73 | 48 | 20 | 24 | 64 | 41 | 72 | 124 |
| 355 | 149 | 28 | 100 | 80 | 73 | 46 | 21 | 25 | 64 | 42 | 71 | 124 |
| 356 | 149 | 48 | 100 | 80 | 73 | 48 | 21 | 24 | 64 | 41 | 72 | 124 |
| 357 | 150 | 8 | 88 | 88 | 73 | 49 | 20 | 24 | 64 | 41 | 72 | 124 |
| 358 | 150 | 27 | 88 | 88 | 73 | 49 | 25 | 24 | 64 | 39 | 72 | 124 |
| 359 | 150 | 47 | 88 | 88 | 73 | 47 | 22 | 24 | 64 | 41 | 71 | 124 |
| 360 | 151 | 7 | 99 | 88 | 73 | 47 | 22 | 23 | 64 | 43 | 68 | 124 |
| 361 | 151 | 27 | 95 | 88 | 73 | 47 | 23 | 24 | 64 | 43 | 68 | 124 |
| 362 | 151 | 46 | 100 | 88 | 73 | 46 | 21 | 25 | 64 | 40 | 71 | 124 |
| 363 | 152 | 6 | 99 | 88 | 73 | 47 | 21 | 24 | 64 | 41 | 72 | 124 |
| 364 | 152 | 26 | 99 | 88 | 73 | 47 | 21 | 24 | 64 | 41 | 72 | 124 |
| 365 | 152 | 46 | 100 | 88 | 73 | 49 | 22 | 25 | 62 | 41 | 69 | 124 |
| 366 | 153 | 5 | 100 | 88 | 73 | 47 | 21 | 26 | 62 | 40 | 71 | 124 |
| 367 | 153 | 25 | 100 | 88 | 73 | 47 | 21 | 26 | 62 | 38 | 72 | 124 |
| 368 | 153 | 45 | 100 | 88 | 74 | 46 | 20 | 25 | 64 | 38 | 72 | 124 |
| 369 | 154 | 5 | 100 | 88 | 74 | 46 | 20 | 26 | 64 | 41 | 72 | 124 |
| 370 | 154 | 24 | 100 | 88 | 74 | 46 | 25 | 26 | 64 | 41 | 70 | 124 |
| 371 | 154 | 44 | 100 | 88 | 73 | 48 | 24 | 25 | 64 | 41 | 72 | 124 |
| 372 | 155 | 4 | 100 | 88 | 73 | 48 | 24 | 25 | 64 | 42 | 71 | 124 |
| 373 | 155 | 24 | 99 | 88 | 74 | 49 | 20 | 28 | 64 | 41 | 71 | 124 |
| 374 | 155 | 43 | 95 | 88 | 74 | 49 | 22 | 26 | 62 | 41 | 71 | 124 |
| 375 | 156 | 3 | 100 | 88 | 73 | 48 | 18 | 24 | 62 | 41 | 72 | 124 |
| 376 | 156 | 23 | 100 | 88 | 73 | 46 | 20 | 23 | 62 | 38 | 71 | 124 |
| 377 | 156 | 43 | 99 | 88 | 73 | 46 | 22 | 25 | 62 | 39 | 71 | 124 |
| 378 | 157 | 2 | 100 | 88 | 73 | 48 | 22 | 25 | 64 | 44 | 72 | 124 |
| 379 | 157 | 22 | 100 | 88 | 73 | 48 | 20 | 23 | 64 | 41 | 72 | 124 |
| 380 | 157 | 42 | 100 | 88 | 73 | 51 | 18 | 26 | 64 | 41 | 73 | 124 |
| 381 | 158 | 1 | 100 | 81 | 74 | 49 | 19 | 22 | 66 | 41 | 72 | 124 |
| 382 | 158 | 21 | 100 | 88 | 74 | 49 | 28 | 24 | 68 | 41 | 73 | 124 |
| 383 | 158 | 41 | 100 | 88 | 74 | 48 | 28 | 24 | 68 | 41 | 73 | 124 |
| 384 | 159 | 1 | 100 | 81 | 74 | 51 | 23 | 24 | 66 | 41 | 73 | 124 |
| 385 | 159 | 20 | 98 | 81 | 74 | 47 | 23 | 24 | 68 | 42 | 73 | 124 |
| 386 | 159 | 40 | 102 | 81 | 74 | 50 | 22 | 25 | 68 | 43 | 73 | 124 |
| 387 | 159 | 59 | 100 | 81 | 74 | 48 | 22 | 25 | 68 | 42 | 73 | 124 |
| 388 | 160 | 19 | 100 | 88 | 74 | 48 | 28 | 28 | 68 | 42 | 74 | 124 |
| 389 | 160 | 39 | 108 | 88 | 74 | 48 | 21 | 24 | 68 | 42 | 74 | 124 |
| 390 | 160 | 59 | 102 | 81 | 73 | 47 | 21 | 24 | 68 | 42 | 72 | 124 |
| 391 | 161 | 18 | 100 | 81 | 74 | 48 | 21 | 24 | 68 | 42 | 72 | 124 |
| 392 | 161 | 34 | 100 | 81 | 74 | 48 | 18 | 23 | 68 | 42 | 71 | 124 |
| 393 | 161 | 57 | 100 | 81 | 74 | 49 | 21 | 26 | 68 | 42 | 70 | 124 |
| 394 | 162 | 17 | 108 | 88 | 74 | 48 | 25 | 24 | 68 | 42 | 70 | 124 |
| 395 | 163 | 21 | 100 | 81 | 74 | 45 | 25 | 23 | 68 | 40 | 70 | 124 |

| -01 SWEEP COUNT | 1-02 TIME *MIN. | 1-03 TIME SEC. | 1-15 ROTOR RPM | 1-17 L.H. THROTT POS | 1-18 S.H. THROTT POS | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL BOOST PUMP OUTLET PRESS PSIG | 1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG | 1-25 ENG.1 BLEED AIR PRESS PSIG |
|-----------------------|-----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---|--|---|--|---|---|--|
| 396 | 163 | 41 | 100 | 80 | 74 | 49 | 26 | 26 | 58 | 39 | 71 | 128 |
| 397 | 164 | 0 | 100 | 80 | 73 | 46 | 22 | 25 | 55 | 41 | 74 | 128 |
| 398 | 166 | 49 | 100 | 81 | 74 | 49 | 21 | 25 | 59 | 41 | 72 | 126 |
| 399 | 167 | 8 | 100 | 81 | 73 | 50 | 21 | 24 | 65 | 41 | 71 | 128 |
| 400 | 167 | 20 | 100 | 80 | 73 | 49 | 21 | 25 | 69 | 40 | 71 | 128 |
| 401 | 169 | 23 | 100 | 81 | 74 | 47 | 24 | 27 | 64 | 44 | 72 | 118 |
| 402 | 171 | 57 | 99 | 80 | 74 | 50 | 23 | 24 | 68 | 44 | 75 | 128 |
| 403 | 172 | 16 | 91 | 81 | 73 | 47 | 19 | 24 | 60 | 40 | 76 | 110 |
| 404 | 172 | 36 | 97 | 80 | 74 | 51 | 19 | 24 | 64 | 40 | 73 | 136 |
| 405 | 174 | 31 | 100 | 88 | 74 | 49 | 21 | 25 | 59 | 42 | 72 | 126 |
| 406 | 174 | 50 | 101 | 81 | 74 | 48 | 22 | 25 | 59 | 44 | 75 | 132 |
| 407 | 175 | 10 | 100 | 80 | 74 | 48 | 23 | 23 | 59 | 42 | 72 | 131 |
| 408 | 177 | 5 | 98 | 80 | 73 | 49 | 19 | 24 | 60 | 40 | 70 | 129 |
| 409 | 177 | 55 | 98 | 81 | 73 | 47 | 18 | 30 | 60 | 42 | 73 | 96 |
| 410 | 178 | 14 | 100 | 80 | 73 | 49 | 25 | 25 | 54 | 40 | 73 | 95 |
| 411 | 178 | 34 | 100 | 88 | 73 | 47 | 18 | 26 | 68 | 43 | 74 | 95 |
| 412 | 178 | 54 | 102 | 81 | 73 | 48 | 24 | 22 | 59 | 40 | 71 | 95 |
| 413 | 179 | 13 | 100 | 81 | 73 | 46 | 18 | 22 | 60 | 42 | 72 | 95 |
| 414 | 179 | 33 | 108 | 81 | 73 | 45 | 20 | 24 | 57 | 41 | 71 | 99 |
| 415 | 179 | 52 | 99 | 81 | 73 | 45 | 24 | 24 | 54 | 41 | 71 | 95 |
| 416 | 180 | 12 | 99 | 81 | 73 | 48 | 28 | 28 | 57 | 42 | 70 | 95 |
| 417 | 180 | 32 | 91 | 88 | 73 | 46 | 22 | 28 | 69 | 42 | 70 | 95 |
| 418 | 181 | 11 | 95 | 81 | 72 | 45 | 21 | 23 | 69 | 42 | 70 | 98 |
| 419 | 181 | 11 | 95 | 81 | 73 | 45 | 23 | 22 | 68 | 47 | 78 | 98 |
| 420 | 181 | 38 | 91 | 81 | 73 | 48 | 20 | 23 | 68 | 42 | 70 | 94 |
| 421 | 181 | 58 | 91 | 81 | 73 | 47 | 20 | 24 | 68 | 43 | 78 | 92 |
| 422 | 182 | 9 | 95 | 81 | 72 | 48 | 24 | 24 | 59 | 43 | 71 | 92 |
| 423 | 182 | 29 | 91 | 81 | 73 | 48 | 28 | 18 | 63 | 44 | 71 | 94 |
| 424 | 182 | 48 | 91 | 81 | 73 | 48 | 28 | 22 | 68 | 44 | 78 | 95 |
| 425 | 183 | 8 | 95 | 81 | 73 | 46 | 28 | 28 | 59 | 42 | 70 | 94 |
| 426 | 183 | 20 | 91 | 81 | 73 | 48 | 19 | 25 | 59 | 44 | 71 | 94 |
| 427 | 183 | 47 | 100 | 80 | 73 | 48 | 20 | 24 | 69 | 44 | 69 | 92 |
| 428 | 184 | 7 | 80 | 37 | 26 | 39 | 19 | 22 | 65 | 43 | 59 | 55 |
| 429 | 184 | 26 | 93 | 36 | 26 | 38 | 18 | 20 | 62 | 40 | 64 | 55 |
| 430 | 184 | 46 | 93 | 9 | 59 | 3 | 4 | 6 | 64 | 41 | 64 | 6 |
| 431 | 185 | 6 | 93 | 9 | 59 | 4 | 2 | 17 | 5 | 41 | 64 | 6 |
| 432 | 185 | 26 | 92 | 9 | 59 | 8 | 2 | 17 | 4 | 41 | 64 | 6 |
| 433 | 185 | 46 | 96 | 9 | 59 | 8 | 1 | 18 | 3 | 39 | 64 | 5 |
| 434 | 186 | 6 | 83 | 8 | 24 | 8 | 8 | 19 | 3 | 36 | 64 | 3 |
| 435 | 186 | 26 | 22 | 9 | 2 | 8 | 8 | 21 | 0 | 3 | 55 | 3 |
| 436 | 186 | 45 | 9 | 9 | 2 | 8 | 0 | 23 | 0 | 3 | 0 | 2 |
| 437 | 187 | 5 | 9 | 2 | 2 | 8 | 0 | 36 | 2 | 3 | 0 | 2 |
| 438 | 187 | 24 | 8 | 8 | 2 | 8 | 0 | 25 | 2 | 3 | 3 | 2 |
| 439 | 187 | 44 | 8 | 8 | 2 | 8 | 0 | 26 | 3 | 3 | 3 | 2 |
| 440 | 189 | 31 | 8 | 8 | 2 | 8 | 0 | 26 | 0 | 3 | 0 | 2 |
| 441 | 191 | 4 | 8 | 8 | 2 | 1 | 8 | 28 | 2 | 3 | 0 | 2 |
| 442 | 191 | 24 | 8 | 8 | 2 | 8 | 0 | 27 | 0 | 1 | 8 | 2 |
| 443 | 191 | 40 | 8 | 8 | 2 | 8 | 0 | 27 | 0 | 0 | 0 | 2 |
| 444 | 192 | 3 | 8 | 8 | 2 | 8 | 0 | 27 | 1 | 0 | 0 | 2 |
| 445 | 193 | 53 | 8 | 8 | 2 | 8 | 0 | 27 | 1 | 1 | 0 | 2 |

| 466 | 1-02 | 1-03 | 1-15 | 1-17 | 1-18 | 1-19 | 1-20 | 1-21 | 1-22 | 1-23 | 1-24 | 1-25 |
|-------|------|------|---------|--------|--------|--------|--------|--------|-------|--------|-------|-------|
| SHEEP | TIME | TIME | ROTOR | L.H. | R.H. | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ACCESS | MAIN | ENG.1 |
| COUNT | *IN. | SEC. | PERCENT | THROTT | THROTT | OIL | SCAV | FUEL | NOSE | GEAR | GEAR | BLEED |
| | | | TRAVEL | POS | POS | PUMP | PUMP | BOOST | GEAR | BOX | BOX | AIR |
| | | | | | | OUTLET | OUTLET | PUMP | BOX | OIL | OIL | PRESS |
| | | | | | | PRESS | PRESS | OUTLET | OIL | PRESS | PRESS | PSIG |
| | | | | | | PSIG | PSIG | PSIG | PSIG | PSIG | PSIG | PSIG |
| 466 | 196 | 9 | * | 6 | 3 | 1 | 0 | 26 | 0 | 1 | 4 | 2 |
| 447 | 196 | 26 | * | 9 | 3 | 1 | * | 26 | 1 | 1 | 0 | 2 |
| 448 | 198 | 48 | * | 9 | 2 | 0 | 0 | 25 | 1 | 2 | 0 | 2 |
| 449 | 206 | 56 | * | 9 | 3 | 0 | 0 | 16 | 2 | 0 | 0 | 2 |
| 450 | 207 | 16 | * | 9 | 3 | 1 | 0 | 15 | 3 | 0 | 1 | 1 |
| 451 | 207 | 36 | * | 9 | 3 | 2 | 0 | 15 | 1 | 2 | 0 | 3 |
| 452 | 207 | 56 | * | 9 | 2 | 0 | 0 | 14 | 3 | 3 | 0 | 4 |
| 453 | 212 | 16 | * | 9 | 3 | 1 | 0 | 7 | 1 | 1 | 0 | 4 |
| 454 | 212 | 36 | * | 9 | 3 | 0 | 0 | 7 | 2 | 2 | 0 | 5 |
| 455 | 212 | 55 | * | 9 | 3 | 2 | 0 | 7 | 1 | 3 | 0 | 5 |
| 456 | 213 | 16 | * | 9 | 3 | 1 | 0 | 7 | 2 | 0 | 0 | 3 |
| 457 | 217 | 35 | * | 9 | 3 | 2 | 0 | 1 | 2 | 2 | 0 | 2 |
| 458 | 217 | 54 | * | 9 | 4 | 0 | 0 | 1 | 2 | 2 | 3 | 5 |
| 459 | 218 | 16 | * | 9 | 3 | 3 | 0 | 1 | 1 | 4 | 1 | 2 |
| 460 | 222 | 33 | * | 10 | 4 | 2 | 0 | 3 | 3 | 6 | 3 | 3 |
| 461 | 222 | 52 | * | 9 | 3 | 0 | 0 | 3 | 3 | 4 | 0 | 3 |
| 462 | 223 | 11 | * | 10 | 4 | 0 | 0 | 3 | 2 | 2 | 5 | 2 |
| 463 | 226 | 50 | * | 18 | 5 | 0 | 0 | 3 | 2 | 2 | 3 | 5 |
| 464 | 227 | 10 | * | 10 | 4 | 0 | 0 | 3 | 3 | 2 | 3 | 3 |
| 465 | 227 | 29 | * | 10 | 3 | 0 | 1 | 3 | 3 | 3 | 0 | 4 |
| 466 | 231 | 9 | * | 10 | 4 | 0 | 0 | 3 | 3 | 3 | 3 | 3 |
| 467 | 231 | 27 | * | 10 | 4 | 3 | 0 | 3 | 4 | 4 | 1 | 4 |
| 468 | 231 | 46 | * | 9 | 3 | 1 | 0 | 3 | 1 | 4 | 1 | 4 |
| 469 | 235 | 25 | * | 9 | 3 | 0 | 0 | 3 | 3 | 5 | 3 | 3 |
| 470 | 235 | 44 | * | 9 | 4 | 3 | 1 | 3 | 4 | 5 | 3 | 3 |
| 471 | 236 | 3 | * | 9 | 4 | 3 | 1 | 3 | 4 | 5 | 3 | 4 |
| 472 | 239 | 41 | * | 9 | 3 | 1 | 0 | 3 | 4 | 5 | 4 | 4 |
| 473 | 240 | 8 | * | 10 | 3 | 1 | 1 | 3 | 4 | 4 | 1 | 4 |
| 474 | 240 | 20 | * | 10 | 3 | 2 | 0 | 3 | 4 | 4 | 0 | 3 |
| 475 | 243 | 57 | * | 9 | 3 | 1 | 0 | 3 | 4 | 4 | 1 | 4 |
| 476 | 244 | 16 | * | 9 | 3 | 1 | 0 | 3 | 4 | 4 | 1 | 4 |
| 477 | 244 | 35 | * | 9 | 3 | 2 | 0 | 3 | 4 | 4 | 1 | 4 |
| 478 | 248 | 13 | * | 9 | 3 | 1 | 0 | 3 | 3 | 4 | 2 | 4 |
| 479 | 248 | 9 | * | 9 | 3 | 2 | 0 | 3 | 3 | 4 | 2 | 4 |
| 480 | 248 | 51 | * | 9 | 3 | 3 | 0 | 3 | 2 | 4 | 2 | 4 |
| 481 | 248 | 51 | * | 9 | 3 | 1 | 0 | 3 | 1 | 4 | 0 | 4 |

HH-53C S/N 68-10354
 ARCTIC TEST
 9 JANUARY 1971
 RUN NO. 2 -40 DEG C / -40 DEG F

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-26 ENG.1 FUFL PUMP INLET PRESS PSIS |
|-----------------------|----------------------|----------------------|---|
| 1 | 0 | 0 | 1 |
| 2 | 0 | 15 | 0 |
| 3 | 0 | 35 | 1 |
| 4 | 0 | 55 | 1 |
| 5 | 1 | 15 | 1 |
| 6 | 1 | 35 | 0 |
| 7 | 1 | 55 | 0 |
| 8 | 2 | 15 | 1 |
| 9 | 2 | 35 | 0 |
| 10 | 2 | 55 | 1 |
| 11 | 3 | 15 | 1 |
| 12 | 3 | 35 | 0 |
| 13 | 3 | 55 | 1 |
| 14 | 4 | 15 | 0 |
| 15 | 4 | 35 | 0 |
| 16 | 4 | 55 | 1 |
| 17 | 5 | 15 | 1 |
| 18 | 5 | 35 | 1 |
| 19 | 5 | 55 | 1 |
| 20 | 6 | 15 | 1 |
| 21 | 6 | 36 | 1 |
| 22 | 6 | 56 | 1 |
| 23 | 7 | 16 | 1 |
| 24 | 7 | 36 | 0 |
| 25 | 7 | 56 | 0 |
| 26 | 8 | 16 | 0 |
| 27 | 8 | 36 | 0 |
| 28 | 8 | 56 | 0 |
| 29 | 9 | 16 | 1 |
| 30 | 9 | 37 | 1 |
| 31 | 9 | 57 | 1 |
| 32 | 12 | 27 | 1 |
| 33 | 16 | 56 | 0 |
| 34 | 17 | 16 | 0 |
| 35 | 17 | 37 | 0 |
| 36 | 21 | 25 | 0 |
| 37 | 21 | 46 | 0 |
| 38 | 22 | 6 | 0 |
| 39 | 22 | 26 | 0 |
| 40 | 23 | 16 | 0 |
| 41 | 23 | 36 | 0 |
| 42 | 23 | 57 | 0 |
| 43 | 24 | 17 | 0 |
| 44 | 24 | 38 | 0 |
| 45 | 24 | 58 | 0 |

| -01 SHEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-26 ENG.1 FUEL PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|---|
| 46 | 25 | 19 | 0 |
| 47 | 25 | 39 | 0 |
| 48 | 26 | 0 | 0 |
| 49 | 26 | 20 | 0 |
| 0 | 26 | 41 | 0 |
| 51 | 27 | 1 | 0 |
| 52 | 29 | 42 | 0 |
| 53 | 30 | 3 | 0 |
| 54 | 30 | 23 | 0 |
| 55 | 34 | 24 | 0 |
| 56 | 34 | 45 | 0 |
| 57 | 35 | 5 | 0 |
| 58 | 35 | 26 | 0 |
| 59 | 38 | 56 | 0 |
| 0 | 39 | 16 | 0 |
| 61 | 39 | 35 | 0 |
| 62 | 39 | 56 | 0 |
| 63 | 43 | 24 | 0 |
| 64 | 43 | 45 | 0 |
| 65 | 44 | 5 | 0 |
| 66 | 44 | 26 | 0 |
| 67 | 47 | 54 | 0 |
| 68 | 52 | 24 | 0 |
| 69 | 52 | 45 | 0 |
| 0 | 53 | 6 | 0 |
| 71 | 53 | 27 | 0 |
| 72 | 53 | 47 | 0 |
| 73 | 54 | 8 | 0 |
| 74 | 54 | 29 | 0 |
| 75 | 54 | 50 | 0 |
| 76 | 55 | 10 | 0 |
| 77 | 55 | 31 | 0 |
| 78 | 55 | 52 | 0 |
| 79 | 56 | 13 | 0 |
| 0 | 56 | 34 | 0 |
| 81 | 56 | 55 | 0 |
| 82 | 57 | 15 | 0 |
| 83 | 57 | 36 | 0 |
| 84 | 57 | 57 | 0 |
| 85 | 58 | 17 | 0 |
| 86 | 58 | 36 | 0 |
| 87 | 58 | 59 | 0 |
| 88 | 59 | 19 | 0 |
| 89 | 59 | 48 | 0 |
| 0 | 60 | 0 | 0 |
| 91 | 60 | 21 | 0 |
| 92 | 60 | 42 | 0 |
| 93 | 61 | 2 | 0 |
| 94 | 61 | 23 | 0 |
| 95 | 61 | 43 | 0 |

| -01 SWEEP COUNT | 1-02 TIME "IN" | 1-03 TIME SEC. | 1-26 FNG.1 FUEL PUMP INLET PRESS PSIS |
|-----------------------|----------------------|----------------------|---|
| 96 | 62 | 4 | 1 |
| 97 | 62 | 25 | 0 |
| 98 | 62 | 45 | 0 |
| 99 | 63 | 6 | 1 |
| 100 | 63 | 26 | 0 |
| 101 | 63 | 47 | 0 |
| 102 | 64 | 7 | 0 |
| 103 | 64 | 28 | 0 |
| 104 | 64 | 48 | * |
| 105 | 65 | 9 | * |
| 106 | 65 | 30 | 0 |
| 107 | 65 | 50 | * |
| 108 | 66 | 11 | * |
| 109 | 66 | 31 | * |
| 110 | 66 | 52 | 0 |
| 111 | 67 | 13 | 0 |
| 112 | 67 | 33 | 0 |
| 113 | 67 | 54 | 0 |
| 114 | 68 | 15 | 3 |
| 115 | 68 | 35 | 1 |
| 116 | 68 | 56 | 2 |
| 117 | 69 | 17 | 2 |
| 118 | 69 | 38 | 2 |
| 119 | 69 | 58 | 2 |
| 120 | 70 | 19 | 2 |
| 121 | 70 | 40 | 2 |
| 122 | 71 | 0 | 3 |
| 123 | 71 | 21 | 3 |
| 124 | 71 | 41 | 3 |
| 125 | 72 | 2 | 3 |
| 126 | 72 | 22 | 3 |
| 127 | 72 | 43 | 3 |
| 128 | 73 | 3 | 3 |
| 129 | 73 | 24 | 3 |
| 130 | 73 | 44 | 3 |
| 131 | 74 | 5 | 3 |
| 132 | 74 | 25 | 11 |
| 133 | 74 | 46 | 17 |
| 134 | 75 | 6 | 16 |
| 135 | 75 | 27 | 18 |
| 136 | 75 | 47 | 17 |
| 137 | 76 | 7 | 17 |
| 138 | 76 | 28 | 21 |
| 139 | 76 | 48 | 20 |
| 140 | 77 | 9 | 23 |
| 141 | 77 | 29 | 22 |
| 142 | 77 | 49 | 22 |
| 143 | 78 | 10 | 19 |
| 144 | 78 | 30 | 21 |
| 145 | 78 | 50 | 21 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-26 ENG-I FUEL PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|---|
| 146 | 79 | 10 | 21 |
| 147 | 79 | 30 | 21 |
| 148 | 79 | 50 | 22 |
| 149 | 80 | 11 | 22 |
| 150 | 80 | 32 | 21 |
| 151 | 80 | 52 | 21 |
| 152 | 81 | 13 | 22 |
| 153 | 81 | 33 | 21 |
| 154 | 81 | 53 | 22 |
| 155 | 82 | 14 | 21 |
| 156 | 82 | 34 | 21 |
| 157 | 82 | 54 | 21 |
| 158 | 83 | 14 | 22 |
| 159 | 83 | 35 | 21 |
| 160 | 83 | 55 | 21 |
| 161 | 84 | 15 | 21 |
| 162 | 84 | 36 | 21 |
| 163 | 84 | 56 | 21 |
| 164 | 85 | 16 | 21 |
| 165 | 85 | 36 | 21 |
| 166 | 85 | 57 | 21 |
| 167 | 86 | 17 | 21 |
| 168 | 86 | 37 | 22 |
| 169 | 86 | 57 | 21 |
| 170 | 87 | 18 | 22 |
| 171 | 87 | 38 | 21 |
| 172 | 87 | 58 | 21 |
| 173 | 88 | 18 | 21 |
| 174 | 88 | 39 | 21 |
| 175 | 88 | 59 | 22 |
| 176 | 89 | 19 | 24 |
| 177 | 89 | 39 | 22 |
| 178 | 90 | 0 | 22 |
| 179 | 90 | 20 | 23 |
| 180 | 90 | 40 | 24 |
| 181 | 91 | 0 | 21 |
| 182 | 91 | 20 | 21 |
| 183 | 91 | 41 | 22 |
| 184 | 92 | 1 | 21 |
| 185 | 92 | 21 | 21 |
| 186 | 92 | 41 | 21 |
| 187 | 93 | 1 | 23 |
| 188 | 93 | 22 | 24 |
| 189 | 93 | 42 | 24 |
| 190 | 94 | 2 | 23 |
| 191 | 94 | 22 | 23 |
| 192 | 94 | 42 | 22 |
| 193 | 95 | 3 | 23 |
| 194 | 95 | 23 | 16 |
| 195 | 95 | 43 | 31 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-06 ENG.1 FUEL PUMP INLET PRESS PS IG |
|-----------------------|----------------------|----------------------|--|
| 196 | 96 | 3 | 24 |
| 197 | 96 | 24 | 24 |
| 198 | 96 | 46 | 21 |
| 199 | 97 | 4 | 28 |
| 200 | 97 | 24 | 30 |
| 201 | 97 | 45 | 31 |
| 202 | 98 | 5 | 30 |
| 203 | 98 | 25 | 23 |
| 204 | 98 | 45 | 15 |
| 205 | 99 | 5 | 31 |
| 206 | 99 | 26 | 14 |
| 207 | 99 | 46 | 14 |
| 208 | 100 | 6 | 23 |
| 209 | 100 | 26 | 22 |
| 210 | 100 | 47 | 14 |
| 211 | 101 | 7 | 14 |
| 212 | 101 | 27 | 23 |
| 213 | 101 | 47 | 20 |
| 214 | 102 | 6 | 14 |
| 215 | 102 | 26 | 14 |
| 216 | 102 | 48 | 23 |
| 217 | 103 | 9 | 15 |
| 218 | 103 | 29 | 14 |
| 219 | 103 | 49 | 23 |
| 220 | 104 | 9 | 22 |
| 221 | 104 | 30 | 31 |
| 222 | 104 | 50 | 28 |
| 223 | 105 | 10 | 15 |
| 224 | 105 | 30 | 31 |
| 225 | 105 | 51 | 29 |
| 226 | 106 | 11 | 23 |
| 227 | 106 | 31 | 24 |
| 228 | 106 | 51 | 14 |
| 229 | 107 | 11 | 21 |
| 230 | 107 | 32 | 29 |
| 231 | 107 | 52 | 14 |
| 232 | 108 | 12 | 21 |
| 233 | 108 | 32 | 11 |
| 234 | 108 | 52 | 31 |
| 235 | 109 | 12 | 14 |
| 236 | 109 | 32 | 14 |
| 237 | 109 | 53 | 21 |
| 238 | 110 | 13 | 31 |
| 239 | 110 | 33 | 31 |
| 240 | 110 | 53 | 15 |
| 241 | 111 | 13 | 14 |
| 242 | 111 | 33 | 24 |
| 243 | 111 | 53 | 31 |
| 244 | 112 | 13 | 30 |
| 245 | 112 | 33 | 31 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-26 ENG.1 FUEL PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|---|
| 246 | 112 | 53 | 15 |
| 247 | 113 | 13 | 31 |
| 248 | 113 | 33 | 28 |
| 249 | 113 | 53 | 30 |
| 250 | 114 | 13 | 30 |
| 251 | 114 | 33 | 25 |
| 252 | 114 | 53 | 31 |
| 253 | 115 | 13 | 22 |
| 254 | 115 | 33 | 31 |
| 255 | 115 | 53 | 21 |
| 256 | 116 | 13 | 31 |
| 257 | 116 | 33 | 21 |
| 258 | 116 | 53 | 21 |
| 259 | 117 | 13 | 11 |
| 260 | 117 | 33 | 21 |
| 261 | 117 | 53 | 15 |
| 262 | 118 | 13 | 18 |
| 263 | 118 | 33 | 11 |
| 264 | 118 | 53 | 23 |
| 265 | 119 | 14 | 21 |
| 266 | 119 | 34 | 15 |
| 267 | 119 | 54 | 18 |
| 268 | 120 | 14 | 33 |
| 269 | 120 | 33 | 13 |
| 270 | 120 | 54 | 21 |
| 271 | 121 | 14 | 21 |
| 272 | 121 | 34 | 25 |
| 273 | 121 | 54 | 21 |
| 274 | 122 | 15 | 11 |
| 275 | 122 | 35 | 29 |
| 276 | 122 | 55 | 17 |
| 277 | 123 | 15 | 21 |
| 278 | 123 | 36 | 21 |
| 279 | 123 | 56 | 21 |
| 280 | 124 | 16 | 25 |
| 281 | 124 | 37 | 11 |
| 282 | 124 | 58 | 31 |
| 283 | 125 | 18 | 21 |
| 284 | 125 | 39 | 17 |
| 285 | 125 | 59 | 21 |
| 286 | 126 | 20 | 24 |
| 287 | 126 | 40 | 27 |
| 288 | 127 | 1 | 26 |
| 289 | 127 | 22 | 21 |
| 290 | 127 | 42 | 21 |
| 291 | 128 | 3 | 26 |
| 292 | 128 | 23 | 16 |
| 293 | 128 | 44 | 21 |
| 294 | 129 | 6 | 21 |
| 295 | 129 | 25 | 24 |

| -01 SWEEP COUNT | 1-02 TIME *IN. | 1-03 TIME SEC. | 1-26 ENS*1 FUEL PUMP INLET PRESS PSIS |
|-----------------------|----------------------|----------------------|---|
| 296 | 129 | 65 | 26 |
| 297 | 130 | 6 | 26 |
| 298 | 130 | 26 | 30 |
| 299 | 130 | 47 | 21 |
| 300 | 131 | 7 | 17 |
| 301 | 131 | 28 | 14 |
| 302 | 131 | 48 | 27 |
| 303 | 132 | 9 | 29 |
| 304 | 132 | 29 | 28 |
| 305 | 132 | 50 | 32 |
| 306 | 133 | 10 | 21 |
| 307 | 133 | 31 | 20 |
| 308 | 133 | 51 | 24 |
| 309 | 134 | 12 | 21 |
| 310 | 134 | 32 | 21 |
| 311 | 134 | 53 | 26 |
| 312 | 135 | 13 | 25 |
| 313 | 135 | 33 | 25 |
| 314 | 135 | 53 | 21 |
| 315 | 136 | 13 | 17 |
| 316 | 136 | 33 | 21 |
| 317 | 136 | 53 | 28 |
| 318 | 137 | 13 | 21 |
| 319 | 137 | 33 | 20 |
| 320 | 137 | 53 | 20 |
| 321 | 138 | 13 | 25 |
| 322 | 138 | 33 | 25 |
| 323 | 138 | 53 | 20 |
| 324 | 139 | 13 | 17 |
| 325 | 139 | 33 | 28 |
| 326 | 139 | 53 | 28 |
| 327 | 140 | 12 | 29 |
| 328 | 140 | 33 | 30 |
| 329 | 140 | 53 | 25 |
| 330 | 141 | 13 | 30 |
| 331 | 141 | 33 | 25 |
| 332 | 141 | 53 | 23 |
| 333 | 142 | 12 | 23 |
| 334 | 142 | 32 | 23 |
| 335 | 142 | 52 | 23 |
| 336 | 143 | 12 | 23 |
| 337 | 143 | 32 | 23 |
| 338 | 143 | 51 | 23 |
| 339 | 144 | 11 | 23 |
| 340 | 144 | 31 | 23 |
| 341 | 144 | 51 | 23 |
| 342 | 145 | 10 | 23 |
| 343 | 145 | 30 | 25 |
| 344 | 145 | 50 | 25 |
| 345 | 146 | 10 | 25 |

| -01 SHEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-26 | | | |
|-----------------------|----------------------|----------------------|----------------|---------------|-------|------|
| | | | FNGS.I FUEL | PUPP INLET | PRESS | PSIG |
| 346 | 146 | 38 | 23 | | | |
| 347 | 146 | 50 | 21 | | | |
| 348 | 147 | 9 | 25 | | | |
| 349 | 147 | 29 | 16 | | | |
| 350 | 147 | 49 | 17 | | | |
| 351 | 148 | 9 | 29 | | | |
| 352 | 148 | 29 | 25 | | | |
| 353 | 148 | 48 | 23 | | | |
| 354 | 149 | 0 | 23 | | | |
| 355 | 149 | 28 | 23 | | | |
| 356 | 149 | 48 | 23 | | | |
| 357 | 150 | 8 | 18 | | | |
| 358 | 150 | 27 | 22 | | | |
| 359 | 150 | 47 | 15 | | | |
| 360 | 151 | 7 | 30 | | | |
| 361 | 151 | 27 | 25 | | | |
| 362 | 151 | 46 | 16 | | | |
| 363 | 152 | 6 | 28 | | | |
| 364 | 152 | 26 | 16 | | | |
| 365 | 152 | 46 | 23 | | | |
| 366 | 153 | 5 | 27 | | | |
| 367 | 153 | 25 | 21 | | | |
| 368 | 153 | 45 | 23 | | | |
| 369 | 154 | 5 | 23 | | | |
| 370 | 154 | 24 | 25 | | | |
| 371 | 154 | 44 | 21 | | | |
| 372 | 155 | 4 | 21 | | | |
| 373 | 155 | 24 | 24 | | | |
| 374 | 155 | 43 | 23 | | | |
| 375 | 156 | 3 | 23 | | | |
| 376 | 156 | 23 | 23 | | | |
| 377 | 156 | 43 | 25 | | | |
| 378 | 157 | 2 | 21 | | | |
| 379 | 157 | 22 | 27 | | | |
| 380 | 157 | 42 | 23 | | | |
| 381 | 158 | 1 | 23 | | | |
| 382 | 158 | 21 | 30 | | | |
| 383 | 158 | 41 | 23 | | | |
| 384 | 159 | 1 | 23 | | | |
| 385 | 159 | 20 | 28 | | | |
| 386 | 159 | 40 | 23 | | | |
| 387 | 159 | 59 | 30 | | | |
| 388 | 160 | 19 | 23 | | | |
| 389 | 160 | 39 | 23 | | | |
| 390 | 160 | 58 | 23 | | | |
| 391 | 161 | 18 | 23 | | | |
| 392 | 161 | 38 | 25 | | | |
| 393 | 161 | 57 | 24 | | | |
| 394 | 162 | 17 | 29 | | | |
| 395 | 163 | 21 | 25 | | | |

| -81 SHEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-06 ENG. #1 FUEL PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|---|
| 396 | 163 | 41 | 22 |
| 397 | 164 | 8 | 22 |
| 398 | 166 | 49 | 30 |
| 399 | 167 | 8 | 22 |
| 400 | 167 | 28 | 22 |
| 401 | 169 | 23 | 22 |
| 402 | 171 | 57 | 22 |
| 403 | 172 | 16 | 22 |
| 404 | 172 | 36 | 29 |
| 405 | 174 | 31 | 22 |
| 406 | 174 | 58 | 22 |
| 407 | 175 | 18 | 24 |
| 408 | 177 | 5 | 24 |
| 409 | 177 | 55 | 23 |
| 410 | 178 | 14 | 24 |
| 411 | 178 | 34 | 23 |
| 412 | 178 | 54 | 22 |
| 413 | 179 | 13 | 23 |
| 414 | 179 | 33 | 23 |
| 415 | 179 | 52 | 25 |
| 416 | 180 | 12 | 22 |
| 417 | 180 | 32 | 24 |
| 418 | 180 | 51 | 22 |
| 419 | 181 | 11 | 23 |
| 420 | 181 | 38 | 23 |
| 421 | 181 | 58 | 24 |
| 422 | 182 | 9 | 24 |
| 423 | 182 | 29 | 23 |
| 424 | 182 | 48 | 24 |
| 425 | 183 | 8 | 24 |
| 426 | 183 | 28 | 24 |
| 427 | 183 | 47 | 22 |
| 428 | 184 | 7 | 21 |
| 429 | 184 | 26 | 20 |
| 430 | 184 | 46 | 6 |
| 431 | 185 | 6 | 12 |
| 432 | 185 | 26 | 15 |
| 433 | 185 | 46 | 11 |
| 434 | 186 | 6 | 14 |
| 435 | 186 | 26 | 15 |
| 436 | 186 | 45 | 21 |
| 437 | 187 | 5 | 21 |
| 438 | 187 | 24 | 25 |
| 439 | 187 | 44 | 22 |
| 440 | 189 | 31 | 24 |
| 441 | 191 | 4 | 21 |
| 442 | 191 | 24 | 21 |
| 443 | 191 | 48 | 26 |
| 444 | 192 | 3 | 26 |
| 445 | 193 | 53 | 26 |

| -81 SHEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-26 FNG.1 FUEL PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|---|
| 446 | 198 | 9 | 26 |
| 447 | 198 | 28 | 25 |
| 448 | 198 | 48 | 25 |
| 449 | 206 | 56 | 17 |
| 450 | 207 | 16 | 15 |
| 451 | 207 | 36 | 12 |
| 452 | 207 | 56 | 14 |
| 453 | 212 | 16 | 7 |
| 454 | 212 | 36 | 7 |
| 455 | 212 | 55 | 7 |
| 456 | 215 | 16 | 6 |
| 457 | 217 | 35 | 7 |
| 458 | 217 | 54 | 7 |
| 459 | 218 | 16 | 7 |
| 460 | 222 | 33 | 7 |
| 461 | 222 | 52 | 7 |
| 462 | 223 | 11 | 7 |
| 463 | 226 | 50 | 7 |
| 464 | 227 | 18 | 7 |
| 465 | 227 | 29 | 7 |
| 466 | 231 | 7 | 7 |
| 467 | 231 | 27 | 7 |
| 468 | 231 | 46 | 7 |
| 469 | 235 | 25 | 7 |
| 470 | 235 | 44 | 7 |
| 471 | 236 | 3 | 7 |
| 472 | 239 | 41 | 7 |
| 473 | 248 | 8 | 7 |
| 474 | 248 | 28 | 7 |
| 475 | 243 | 57 | 7 |
| 476 | 244 | 16 | 7 |
| 477 | 244 | 35 | 7 |
| 478 | 248 | 13 | 7 |
| 479 | 248 | 32 | 7 |
| 480 | 248 | 51 | 7 |
| 481 | 248 | 7 | 7 |

HM-53C S/N 68-10354
 ARCTIC TEST 1971
 9 JANUARY 1971
 RUN NO. 2

-40 DEG C / -40 DEG F

| -81 SWEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-05 | | 2-07 | | 2-08 | | 2-09 | | 2-10 | | 2-11 | | 2-12 | | 2-13 | | 2-14 | |
|-----------------------|----------------------|----------------------|--|---|--|--|--|---|--|--|---|-----------------------------------|---|---|---|---|---|---|---|---|
| | | | 1STAGE HYD. PUMP INLET PRESS PSIG | 1STAGE HYD. PUMP OUTLET PRESS PSIG | 1STAGE HYD. SERVO CYL.) PSIG | 1STAGE HYD. PUMP INLET PRESS PSIG | 2STAGE HYD. PUMP INLET PRESS PSIG | 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2STAGE HYD. SERVO CYL.) PSIG | 2STAGE HYD. SERVO CYL.) PSIG | 2STAGE AFCS 1 (PITCH /ROLL PSIG | 2STAGE AFCS 1 (ROLL PSIG | 2STAGE AFCS 1 (COLL- /YAW CHAND PSIG | 2STAGE AFCS 1 (P/R CHAND PSIG | 2STAGE AFCS 1 (P/R CHAND PSIG | 2STAGE AFCS 1 (P/R CHAND PSIG | 2STAGE AFCS 1 (P/R CHAND PSIG | 2STAGE AFCS 1 (P/R CHAND PSIG | 2STAGE AFCS 1 (P/R CHAND PSIG | 2STAGE AFCS 1 (P/R CHAND PSIG |
| 1 | 0 | 0 | 1 | 39 | 55 | 0 | 0 | 68 | 54 | 12 | 18 | 24 | 1 | 1 | 18 | 24 | 1 | 1 | 1 | 1 |
| 2 | 0 | 17 | 0 | 65 | 78 | 1 | 1 | 68 | 49 | 22 | 18 | 18 | 0 | 0 | 18 | 18 | 0 | 0 | 0 | 0 |
| 3 | 0 | 37 | 1 | 78 | 60 | 1 | 1 | 68 | 54 | 28 | 28 | 26 | 1 | 1 | 28 | 26 | 1 | 1 | 1 | 1 |
| 4 | 0 | 57 | 4 | 58 | 70 | 0 | 0 | 50 | 69 | 28 | 28 | 24 | 0 | 0 | 28 | 24 | 0 | 0 | 0 | 0 |
| 5 | 1 | 17 | 1 | 55 | 58 | 1 | 1 | 35 | 59 | 28 | 28 | 24 | 1 | 1 | 28 | 24 | 1 | 1 | 1 | 1 |
| 6 | 1 | 37 | 1 | 58 | 58 | 1 | 1 | 78 | 49 | 22 | 18 | 28 | 1 | 1 | 22 | 18 | 1 | 1 | 1 | 1 |
| 7 | 1 | 57 | 1 | 38 | 68 | 1 | 1 | 58 | 54 | 28 | 28 | 16 | 1 | 1 | 28 | 16 | 1 | 1 | 1 | 1 |
| 8 | 2 | 17 | 0 | 40 | 45 | 1 | 1 | 50 | 69 | 16 | 28 | 22 | 1 | 1 | 16 | 22 | 1 | 1 | 1 | 1 |
| 9 | 2 | 37 | 1 | 25 | 65 | 1 | 1 | 58 | 49 | 22 | 14 | 28 | 1 | 1 | 22 | 14 | 1 | 1 | 1 | 1 |
| 10 | 2 | 57 | 1 | 58 | 50 | 1 | 1 | 68 | 54 | 28 | 14 | 28 | 1 | 1 | 28 | 14 | 1 | 1 | 1 | 1 |
| 11 | 3 | 17 | 1 | 68 | 78 | 1 | 1 | 58 | 39 | 18 | 18 | 16 | 1 | 1 | 18 | 16 | 1 | 1 | 1 | 1 |
| 12 | 3 | 37 | 1 | 35 | 68 | 1 | 1 | 50 | 39 | 18 | 18 | 16 | 1 | 1 | 18 | 16 | 1 | 1 | 1 | 1 |
| 13 | 3 | 57 | 1 | 35 | 40 | 1 | 1 | 55 | 44 | 26 | 14 | 18 | 1 | 1 | 26 | 14 | 1 | 1 | 1 | 1 |
| 14 | 4 | 17 | 1 | 58 | 58 | 1 | 1 | 58 | 69 | 28 | 14 | 18 | 1 | 1 | 28 | 14 | 1 | 1 | 1 | 1 |
| 15 | 4 | 37 | 1 | 25 | 55 | 1 | 1 | 55 | 54 | 22 | 10 | 28 | 1 | 1 | 22 | 10 | 1 | 1 | 1 | 1 |
| 16 | 4 | 57 | 1 | 48 | 48 | 1 | 1 | 48 | 49 | 28 | 10 | 16 | 1 | 1 | 28 | 10 | 1 | 1 | 1 | 1 |
| 17 | 5 | 17 | 0 | 55 | 35 | 1 | 1 | 58 | 54 | 22 | 22 | 14 | 1 | 1 | 22 | 22 | 1 | 1 | 1 | 1 |
| 18 | 5 | 38 | 0 | 55 | 45 | 1 | 1 | 58 | 54 | 22 | 22 | 14 | 1 | 1 | 22 | 22 | 1 | 1 | 1 | 1 |
| 19 | 5 | 58 | 0 | 50 | 55 | 1 | 1 | 58 | 14 | 28 | 22 | 14 | 1 | 1 | 28 | 22 | 1 | 1 | 1 | 1 |
| 20 | 6 | 18 | 1 | 50 | 58 | 1 | 1 | 58 | 54 | 28 | 28 | 12 | 1 | 1 | 28 | 12 | 1 | 1 | 1 | 1 |
| 21 | 6 | 38 | 1 | 50 | 58 | 1 | 1 | 58 | 49 | 18 | 22 | 4 | 1 | 1 | 18 | 4 | 1 | 1 | 1 | 1 |
| 22 | 6 | 58 | 1 | 55 | 55 | 1 | 1 | 58 | 49 | 22 | 22 | 4 | 1 | 1 | 22 | 22 | 1 | 1 | 1 | 1 |
| 23 | 7 | 18 | 1 | 10 | 50 | 1 | 1 | 48 | 49 | 16 | 18 | 28 | 1 | 1 | 16 | 18 | 1 | 1 | 1 | 1 |
| 24 | 7 | 38 | 1 | 78 | 58 | 1 | 1 | 48 | 39 | 16 | 18 | 28 | 1 | 1 | 16 | 18 | 1 | 1 | 1 | 1 |
| 25 | 7 | 58 | 1 | 55 | 25 | 1 | 1 | 55 | 54 | 30 | 16 | 28 | 1 | 1 | 30 | 16 | 1 | 1 | 1 | 1 |
| 26 | 8 | 18 | 1 | 65 | 48 | 1 | 1 | 60 | 49 | 0 | 20 | 28 | 1 | 1 | 0 | 20 | 1 | 1 | 1 | 1 |
| 27 | 8 | 39 | 1 | 70 | 65 | 1 | 1 | 55 | 39 | 24 | 20 | 28 | 1 | 1 | 24 | 20 | 1 | 1 | 1 | 1 |
| 28 | 8 | 59 | 1 | 58 | 65 | 1 | 1 | 55 | 69 | 38 | 20 | 28 | 1 | 1 | 38 | 20 | 1 | 1 | 1 | 1 |
| 29 | 9 | 19 | 1 | 58 | 65 | 1 | 1 | 48 | 24 | 18 | 12 | 28 | 1 | 1 | 18 | 12 | 1 | 1 | 1 | 1 |
| 30 | 9 | 39 | 1 | 25 | 50 | 1 | 1 | 58 | 39 | 22 | 22 | 28 | 1 | 1 | 22 | 22 | 1 | 1 | 1 | 1 |
| 31 | 9 | 59 | 1 | 50 | 35 | 1 | 1 | 68 | 49 | 28 | 22 | 28 | 1 | 1 | 28 | 22 | 1 | 1 | 1 | 1 |
| 32 | 12 | 29 | 0 | 10 | 35 | 1 | 1 | 28 | 124 | 6 | 0 | 28 | 1 | 1 | 6 | 0 | 1 | 1 | 1 | 1 |
| 33 | 16 | 58 | 0 | 10 | 5 | 1 | 1 | 5 | 19 | 14 | 4 | 0 | 1 | 1 | 4 | 0 | 1 | 1 | 1 | 1 |
| 34 | 17 | 19 | 0 | 25 | 15 | 1 | 1 | 0 | 0 | 2 | -18 | 0 | 1 | 1 | 2 | -18 | 0 | 1 | 1 | 1 |
| 35 | 17 | 39 | 0 | 5 | 20 | 1 | 1 | 10 | 19 | 4 | 0 | 0 | 1 | 1 | 4 | 0 | 1 | 1 | 1 | 1 |
| 36 | 21 | 28 | 0 | 5 | 30 | 1 | 1 | 38 | 14 | 4 | 0 | 0 | 1 | 1 | 4 | 0 | 1 | 1 | 1 | 1 |
| 37 | 21 | 48 | 0 | 10 | 25 | 1 | 1 | 10 | 9 | 0 | -2 | 0 | 1 | 1 | 0 | -2 | 0 | 1 | 1 | 1 |
| 38 | 22 | 8 | 0 | 10 | 15 | 1 | 1 | 5 | 4 | 4 | 0 | 0 | 1 | 1 | 4 | 0 | 1 | 1 | 1 | 1 |
| 39 | 22 | 28 | 0 | 10 | 15 | 1 | 1 | 0 | 10 | 4 | 0 | 0 | 1 | 1 | 4 | 0 | 1 | 1 | 1 | 1 |
| 40 | 23 | 18 | 0 | 5 | 10 | 1 | 1 | 18 | 19 | 16 | 0 | 0 | 1 | 1 | 16 | 0 | 1 | 1 | 1 | 1 |
| 41 | 23 | 39 | 0 | 20 | 10 | 1 | 1 | 10 | 0 | 6 | 0 | 0 | 1 | 1 | 6 | 0 | 1 | 1 | 1 | 1 |
| 42 | 23 | 59 | 0 | 20 | 5 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 1 | 1 | 1 |
| 43 | 24 | 28 | 0 | 40 | 20 | 1 | 1 | 0 | 9 | 48 | -2 | 0 | 1 | 1 | 48 | -2 | 0 | 1 | 1 | 1 |
| 44 | 24 | 40 | 0 | 5 | 10 | 1 | 1 | 388 | 3881 | 48 | 38 | 38 | 1 | 1 | 38 | 38 | 1 | 1 | 1 | 1 |
| 45 | 25 | 1 | 0 | 5 | 10 | 1 | 1 | 2995 | 2995 | 42 | 30 | 32 | 1 | 1 | 30 | 32 | 1 | 1 | 1 | 1 |

| -01 SHEEP COUNT | 1-02 TIME MIN. | 2-03 TIME SEC. | 2-05 1STAGE HYD. PUMP INLET PRESS PSIG | 2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG | 2-07 1STAGE HYD. (LAFT SERVO CYL.) PSIG | 2-08 2STAGE HYD. PUMP INLET PRESS PSIG | 2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2-10 2STAGE HYD. (LAFT SERVO CYL.) PSIG | 2-11 2STAGE AFCS 1 (PITCH /ROLL CHAM) PSIG | 2-12 2STAGE AFCS 1 (ROLL /YAW CHAM) PSIG | 2-13 UTIL. HYD. AFCS 2 (PA/R CHAM) PSIG | 2-14 UTIL. HYD. PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---|---|--|---|---|--|--|---|---|
| 46 | 25 | 21 | 0 | 10 | 5 | 25 | 2720 | 2887 | 48 | 24 | 42 | 27 |
| 47 | 25 | 42 | -0 | 5 | 20 | 27 | 3040 | 2902 | 42 | 22 | 42 | 30 |
| 48 | 26 | 2 | -0 | 10 | 15 | 32 | 2885 | 2986 | 44 | 20 | 48 | 30 |
| 49 | 26 | 23 | -0 | 5 | 0 | 24 | 2960 | 2942 | 44 | 24 | 36 | 30 |
| 50 | 26 | 43 | -0 | 10 | 0 | 21 | 3100 | 3086 | 44 | 20 | 34 | 32 |
| 51 | 27 | 3 | -0 | 5 | 10 | 22 | 3200 | 3061 | 44 | 26 | 34 | 28 |
| 52 | 29 | 3 | -0 | 20 | 0 | 27 | 3045 | 3031 | 42 | 22 | 40 | 32 |
| 53 | 30 | 5 | -0 | 10 | 20 | 32 | 3060 | 3021 | 36 | 12 | 40 | 32 |
| 54 | 30 | 26 | -0 | 0 | 0 | 32 | 3085 | 3036 | 30 | 14 | 32 | 32 |
| 55 | 34 | 26 | 0 | 10 | 20 | 33 | 3085 | 3026 | 34 | 28 | 40 | 32 |
| 56 | 34 | 47 | -0 | 0 | 10 | 25 | 2960 | 3031 | 35 | 20 | 40 | 28 |
| 57 | 35 | 4 | -0 | 20 | 10 | 40 | 3055 | 3016 | 40 | 28 | 26 | 31 |
| 58 | 35 | 20 | -0 | 15 | 10 | 21 | 3085 | 3041 | 42 | 22 | 42 | 32 |
| 59 | 38 | 56 | -0 | 20 | 5 | 24 | 3040 | 3021 | 40 | 22 | 40 | 31 |
| 60 | 39 | 17 | -0 | 5 | 0 | 24 | 3030 | 3001 | 28 | 14 | 32 | 30 |
| 61 | 39 | 38 | -0 | 5 | 0 | 34 | 3045 | 3031 | 24 | 22 | 32 | 31 |
| 62 | 39 | 58 | -0 | 0 | 0 | 27 | 3085 | 3021 | 24 | 22 | 40 | 32 |
| 63 | 43 | 26 | 0 | 25 | -0 | 40 | 3060 | 3031 | 36 | 22 | 34 | 32 |
| 64 | 43 | 47 | 0 | 0 | 0 | 40 | 3085 | 3031 | 36 | 22 | 34 | 32 |
| 65 | 44 | 4 | 0 | 20 | 0 | 25 | 3085 | 3021 | 40 | 28 | 48 | 34 |
| 66 | 44 | 20 | 0 | 10 | 0 | 25 | 3085 | 3031 | 40 | 28 | 48 | 34 |
| 67 | 47 | 57 | 0 | 10 | 0 | 41 | 3020 | 3081 | 32 | 12 | 36 | 31 |
| 68 | 47 | 27 | 0 | 25 | 10 | 40 | 3030 | 3086 | 30 | 22 | 30 | 31 |
| 69 | 52 | 47 | 0 | 15 | 5 | 32 | 3050 | 3031 | 30 | 20 | 30 | 37 |
| 70 | 52 | 47 | 0 | 40 | 10 | 32 | 3085 | 2986 | 28 | 26 | 40 | 37 |
| 71 | 53 | 7 | -0 | 0 | 0 | 21 | 3085 | 2986 | 32 | 14 | 32 | 34 |
| 72 | 53 | 50 | -0 | 0 | 0 | 22 | 3080 | 3081 | 30 | 22 | 30 | 30 |
| 73 | 54 | 11 | 0 | 50 | 25 | 32 | 2995 | 3031 | 26 | 30 | 40 | 30 |
| 74 | 54 | 31 | 0 | 10 | 5 | 32 | 3030 | 2996 | 40 | 24 | 40 | 31 |
| 75 | 54 | 52 | 0 | 0 | 0 | 24 | 3025 | 3086 | 40 | 30 | 30 | 27 |
| 76 | 55 | 13 | -0 | 25 | 0 | 21 | 3045 | 3086 | 30 | 10 | 30 | 33 |
| 77 | 55 | 34 | 0 | 0 | 0 | 24 | 3020 | 3081 | 30 | 14 | 32 | 30 |
| 78 | 55 | 55 | 0 | 0 | 10 | 21 | 3050 | 2991 | 30 | 16 | 36 | 30 |
| 79 | 56 | 16 | 0 | 5 | 0 | 22 | 3085 | 3071 | 46 | 24 | 26 | 31 |
| 80 | 56 | 37 | 0 | 15 | 10 | 26 | 3010 | 3086 | 36 | 24 | 40 | 31 |
| 81 | 56 | 57 | 0 | 5 | 5 | 20 | 3010 | 3081 | 40 | 20 | 40 | 31 |
| 82 | 57 | 10 | 0 | 5 | 15 | 52 | 3100 | 3031 | 36 | 24 | 52 | 34 |
| 83 | 57 | 39 | 0 | 10 | 0 | 21 | 3060 | 3086 | 38 | 24 | 34 | 38 |
| 84 | 57 | 59 | 0 | 40 | 0 | 33 | 2965 | 3011 | 36 | 18 | 40 | 27 |
| 85 | 58 | 20 | 0 | 15 | 0 | 23 | 3030 | 3011 | 34 | 26 | 40 | 27 |
| 86 | 58 | 40 | 0 | 0 | 10 | 27 | 3030 | 3086 | 34 | 22 | 48 | 31 |
| 87 | 59 | 1 | -0 | 10 | 20 | 32 | 3045 | 3026 | 24 | 24 | 48 | 32 |
| 88 | 59 | 22 | 0 | 10 | 10 | 32 | 3045 | 3021 | 24 | 24 | 30 | 32 |
| 89 | 59 | 42 | 0 | 20 | 5 | 21 | 2995 | 3001 | 24 | 22 | 48 | 30 |
| 90 | 60 | 3 | 0 | 10 | 5 | 21 | 3065 | 3011 | 22 | 20 | 40 | 30 |
| 91 | 60 | 24 | 0 | 10 | 40 | 26 | 3020 | 2031 | 40 | 22 | 40 | 30 |
| 92 | 60 | 44 | -0 | 20 | 10 | 24 | 3085 | 3086 | 32 | 22 | 32 | 31 |
| 93 | 61 | 5 | 0 | 20 | 10 | 23 | 3020 | 2986 | 40 | 22 | 44 | 31 |
| 94 | 61 | 25 | -0 | 25 | 0 | 21 | 3020 | 3086 | 40 | 22 | 1055 | 30 |
| 95 | 61 | 46 | -0 | 5 | 0 | 32 | 3045 | 3011 | 40 | 1060 | 1021 | 30 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 2-03 TIME SEC. | 2-05 | | | 2-07 | | | 2-09 | | | 2-11 | | | 2-12 | | | 2-13 | | | 2-14 | | |
|-----------------------|----------------------|----------------------|------------------------|----------------|------|----------------------------------|------|-----------------------------------|------|-------------------------|------|----------------------------------|------|----------------------------------|------|----------------------------------|------|----------------------------------|------|----------------------------------|------|----------------------------------|------|
| | | | 1STAGE HYD. PUMP | INLET PRESS | PSIG | 1STAGE HYD. SERVO CYL.) | PSIG | 2STAGE HYD. OUTLET PRESS | PSIG | 2STAGE HYD. CYL.) | PSIG | 2STAGE HYD. SERVO CYL.) | PSIG | 2STAGE HYD. SERVO CYL.) | PSIG | 2STAGE HYD. SERVO CYL.) | PSIG | 2STAGE HYD. SERVO CYL.) | PSIG | 2STAGE HYD. SERVO CYL.) | PSIG | 2STAGE HYD. SERVO CYL.) | PSIG |
| 96 | 62 | 6 | -0 | -0 | 5 | 5 | 5 | 3045 | 3031 | 1076 | 1083 | 1076 | 1083 | 32 | 32 | | | | | | | | |
| 97 | 62 | 27 | + | + | + | + | + | 3055 | 3026 | 1087 | 1089 | 1087 | 1089 | 31 | 31 | | | | | | | | |
| 98 | 62 | 46 | -8 | -8 | 5 | 5 | 5 | 3058 | 3031 | 1085 | 1081 | 1085 | 1081 | 46 | 46 | | | | | | | | |
| 99 | 63 | 8 | -0 | -0 | 0 | 0 | 0 | 3055 | 3026 | 1087 | 1085 | 1087 | 1085 | 74 | 74 | | | | | | | | |
| 100 | 63 | 29 | -0 | -0 | 50 | 50 | 50 | 3045 | 3011 | 1083 | 1083 | 1083 | 1083 | 44 | 44 | | | | | | | | |
| 101 | 63 | 49 | -0 | -0 | 15 | 15 | 15 | 3020 | 3031 | 1089 | 1089 | 1089 | 1089 | 30 | 30 | | | | | | | | |
| 102 | 63 | 10 | -0 | -0 | 5 | 5 | 5 | 3085 | 3026 | 1085 | 1085 | 1085 | 1085 | 31 | 31 | | | | | | | | |
| 103 | 64 | 30 | -0 | -0 | 10 | 10 | 10 | 3045 | 3036 | 1059 | 1059 | 1059 | 1059 | 32 | 32 | | | | | | | | |
| 104 | 64 | 51 | -0 | -0 | 5 | 5 | 5 | 3030 | 3016 | 1087 | 1087 | 1087 | 1087 | 30 | 30 | | | | | | | | |
| 105 | 65 | 11 | -0 | -0 | 20 | 20 | 20 | 3030 | 3031 | 1085 | 1085 | 1085 | 1085 | 44 | 44 | | | | | | | | |
| 106 | 65 | 32 | -0 | -0 | 5 | 5 | 5 | 3045 | 3036 | 1085 | 1085 | 1085 | 1085 | 40 | 40 | | | | | | | | |
| 107 | 65 | 53 | -0 | -0 | 17 | 17 | 17 | 3045 | 3031 | 1083 | 1083 | 1083 | 1083 | 30 | 30 | | | | | | | | |
| 108 | 66 | 13 | -0 | -0 | 10 | 10 | 10 | 3120 | 3041 | 1083 | 1083 | 1083 | 1083 | 44 | 44 | | | | | | | | |
| 109 | 66 | 34 | -0 | -0 | 20 | 20 | 20 | 3045 | 3046 | 1085 | 1085 | 1085 | 1085 | 30 | 30 | | | | | | | | |
| 110 | 66 | 54 | -0 | -0 | 10 | 10 | 10 | 2065 | 3031 | 1083 | 1083 | 1083 | 1083 | 42 | 42 | | | | | | | | |
| 111 | 67 | 15 | -0 | -0 | 10 | 10 | 10 | 3085 | 3041 | 1085 | 1085 | 1085 | 1085 | 34 | 34 | | | | | | | | |
| 112 | 67 | 36 | -0 | -0 | 20 | 20 | 20 | 2985 | 3031 | 1085 | 1085 | 1085 | 1085 | 36 | 36 | | | | | | | | |
| 113 | 67 | 56 | -0 | -0 | 20 | 20 | 20 | 3045 | 3036 | 1085 | 1085 | 1085 | 1085 | 44 | 44 | | | | | | | | |
| 114 | 68 | 17 | -0 | -0 | 15 | 15 | 15 | 3045 | 3046 | 1087 | 1087 | 1087 | 1087 | 40 | 40 | | | | | | | | |
| 115 | 68 | 38 | -0 | -0 | 10 | 10 | 10 | 3100 | 3041 | 1081 | 1081 | 1081 | 1081 | 34 | 34 | | | | | | | | |
| 116 | 68 | 59 | -0 | -0 | 18 | 18 | 18 | 3050 | 3036 | 1081 | 1081 | 1081 | 1081 | 52 | 52 | | | | | | | | |
| 117 | 69 | 20 | 30 | 30 | 20 | 20 | 20 | 3010 | 3041 | 1081 | 1081 | 1081 | 1081 | 30 | 30 | | | | | | | | |
| 118 | 69 | 40 | 24 | 24 | 20 | 20 | 20 | 3055 | 3041 | 1089 | 1089 | 1089 | 1089 | 36 | 36 | | | | | | | | |
| 119 | 70 | 1 | 17 | 17 | 49 | 49 | 49 | 3085 | 3071 | 24 | 24 | 24 | 24 | 44 | 44 | | | | | | | | |
| 120 | 70 | 22 | + | + | 17 | 17 | 17 | 3065 | 3041 | 22 | 22 | 22 | 22 | 40 | 40 | | | | | | | | |
| 121 | 71 | 3 | 10 | 10 | 2971 | 2971 | 2971 | 3065 | 3046 | 1099 | 1099 | 1099 | 1099 | 34 | 34 | | | | | | | | |
| 122 | 71 | 23 | 31 | 31 | 3020 | 3020 | 3020 | 3065 | 3046 | 1085 | 1085 | 1085 | 1085 | 42 | 42 | | | | | | | | |
| 123 | 71 | 44 | 43 | 43 | 3057 | 3057 | 3057 | 3065 | 3046 | 1081 | 1081 | 1081 | 1081 | 36 | 36 | | | | | | | | |
| 124 | 71 | 44 | 43 | 43 | 3082 | 3082 | 3082 | 3065 | 3046 | 1081 | 1081 | 1081 | 1081 | 44 | 44 | | | | | | | | |
| 125 | 72 | 4 | 38 | 38 | 3132 | 3132 | 3132 | 3085 | 3031 | 1083 | 1083 | 1083 | 1083 | 42 | 42 | | | | | | | | |
| 126 | 72 | 25 | 32 | 32 | 3141 | 3141 | 3141 | 3045 | 3046 | 1081 | 1081 | 1081 | 1081 | 42 | 42 | | | | | | | | |
| 127 | 72 | 45 | 34 | 34 | 3126 | 3126 | 3126 | 3045 | 3046 | 1059 | 1059 | 1059 | 1059 | 40 | 40 | | | | | | | | |
| 128 | 73 | 6 | 27 | 27 | 3066 | 3066 | 3066 | 2965 | 3016 | 1083 | 1083 | 1083 | 1083 | 48 | 48 | | | | | | | | |
| 129 | 73 | 26 | 24 | 24 | 3077 | 3077 | 3077 | 3060 | 3041 | 1087 | 1087 | 1087 | 1087 | 44 | 44 | | | | | | | | |
| 130 | 73 | 47 | 41 | 41 | 3087 | 3087 | 3087 | 3060 | 3041 | 1087 | 1087 | 1087 | 1087 | 50 | 50 | | | | | | | | |
| 131 | 74 | 7 | 21 | 21 | 3102 | 3102 | 3102 | 3020 | 3026 | 1083 | 1083 | 1083 | 1083 | 40 | 40 | | | | | | | | |
| 132 | 74 | 28 | 27 | 27 | 3112 | 3112 | 3112 | 3095 | 3071 | 1081 | 1081 | 1081 | 1081 | 40 | 40 | | | | | | | | |
| 133 | 74 | 48 | 32 | 32 | 3077 | 3077 | 3077 | 3105 | 3081 | 1081 | 1081 | 1081 | 1081 | 38 | 38 | | | | | | | | |
| 134 | 75 | 9 | 35 | 35 | 3082 | 3082 | 3082 | 3015 | 3036 | 1081 | 1081 | 1081 | 1081 | 30 | 30 | | | | | | | | |
| 135 | 75 | 29 | 35 | 35 | 3076 | 3076 | 3076 | 3040 | 3051 | 1081 | 1081 | 1081 | 1081 | 30 | 30 | | | | | | | | |
| 136 | 75 | 49 | 26 | 26 | 3042 | 3042 | 3042 | 3030 | 3071 | 1069 | 1069 | 1069 | 1069 | 30 | 30 | | | | | | | | |
| 137 | 76 | 10 | 45 | 45 | 3121 | 3121 | 3121 | 3100 | 3046 | 1055 | 1055 | 1055 | 1055 | 36 | 36 | | | | | | | | |
| 138 | 76 | 30 | 45 | 45 | 3081 | 3081 | 3081 | 3077 | 3081 | 1081 | 1081 | 1081 | 1081 | 40 | 40 | | | | | | | | |
| 139 | 76 | 51 | 20 | 20 | 3072 | 3072 | 3072 | 3077 | 3081 | 1081 | 1081 | 1081 | 1081 | 36 | 36 | | | | | | | | |
| 140 | 77 | 11 | 32 | 32 | 3065 | 3065 | 3065 | 3081 | 3046 | 1087 | 1087 | 1087 | 1087 | 40 | 40 | | | | | | | | |
| 141 | 77 | 32 | 41 | 41 | 3065 | 3065 | 3065 | 3045 | 3065 | 1067 | 1067 | 1067 | 1067 | 48 | 48 | | | | | | | | |
| 142 | 77 | 52 | 12 | 12 | 3116 | 3116 | 3116 | 3065 | 3071 | 1083 | 1083 | 1083 | 1083 | 42 | 42 | | | | | | | | |
| 143 | 78 | 32 | 29 | 29 | 3077 | 3077 | 3077 | 3005 | 3071 | 1081 | 1081 | 1081 | 1081 | 40 | 40 | | | | | | | | |
| 144 | 78 | 32 | 27 | 27 | 3086 | 3086 | 3086 | 3140 | 3081 | 1063 | 1063 | 1063 | 1063 | 60 | 60 | | | | | | | | |
| 145 | 78 | 49 | 16 | 16 | 3081 | 3081 | 3081 | 3100 | 3081 | 1069 | 1069 | 1069 | 1069 | 46 | 46 | | | | | | | | |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 2-03 TIME SEC. | 2-05 1STAGE HYD. PUMP INLET PRESS PSIG | 2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG | 2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG | 2-08 2STAGE HYD. PUMP INLET PRESS PSIG | 2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2-10 2STAGE HYD. (AFT SERVO CYL.) PSIG | 2-11 2STAGE AFCS 1 (PITCH /ROLL CYL.) PSIG | 2-12 2STAGE AFCS 1 (COLL. /VAN CYL.) PSIG | 2-13 UTIL. HYD. AFCS 2 (P/R CYL.) PSIG | 2-14 UTIL. HYD. PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---|--|--|---|--|--|---|--|---|
| 166 | 79 | 13 | 45 | 3076 | 3057 | 32 | 3065 | 3071 | 1075 | 1076 | 68 | 31 |
| 167 | 79 | 33 | 26 | 3141 | 3082 | 23 | 3065 | 3076 | 1077 | 1075 | 50 | 34 |
| 168 | 79 | 53 | 41 | 3072 | 3072 | 40 | 3055 | 3056 | 1075 | 1075 | 40 | 34 |
| 169 | 88 | 13 | 21 | 3042 | 3042 | 21 | 3085 | 3041 | 1065 | 1057 | 44 | 24 |
| 170 | 80 | 34 | 28 | 3121 | 3107 | 20 | 3120 | 3086 | 1065 | 1076 | 40 | 24 |
| 171 | 80 | 55 | 27 | 3066 | 3092 | 40 | 3060 | 3081 | 1073 | 1061 | 46 | 33 |
| 172 | 81 | 15 | 25 | 3061 | 3067 | 40 | 3040 | 3041 | 1071 | 1057 | 44 | 34 |
| 173 | 81 | 35 | 32 | 3062 | 3062 | 32 | 3060 | 3081 | 1043 | 1049 | 48 | 31 |
| 174 | 81 | 56 | 32 | 3062 | 3062 | 32 | 3018 | 3051 | 1047 | 1067 | 32 | 32 |
| 175 | 82 | 16 | 34 | 3222 | 3092 | 17 | 3069 | 3066 | 1063 | 1061 | 34 | 34 |
| 176 | 82 | 36 | 40 | 3076 | 3067 | 27 | 3078 | 3041 | 1051 | 1063 | 40 | 30 |
| 177 | 82 | 57 | 21 | 3081 | 3037 | 27 | 3078 | 3081 | 1075 | 1059 | 44 | 32 |
| 178 | 83 | 17 | 13 | 3091 | 3117 | 25 | 3128 | 3053 | 1067 | 1053 | 44 | 32 |
| 179 | 83 | 37 | 21 | 3181 | 3182 | 25 | 3128 | 3111 | 1067 | 1069 | 66 | 31 |
| 180 | 83 | 57 | 34 | 3066 | 3072 | 40 | 3240 | 3066 | 1061 | 1069 | 42 | 32 |
| 181 | 84 | 18 | 24 | 3066 | 3077 | 32 | 3128 | 3061 | 1077 | 1064 | 68 | 33 |
| 182 | 84 | 38 | 27 | 3282 | 3072 | 21 | 3095 | 3036 | 1057 | 1084 | 38 | 32 |
| 183 | 84 | 58 | 21 | 3181 | 3117 | 32 | 3038 | 3081 | 1077 | 1086 | 52 | 30 |
| 184 | 85 | 18 | 30 | 3081 | 3117 | 30 | 3060 | 3081 | 1047 | 1047 | 62 | 30 |
| 185 | 85 | 39 | 22 | 3141 | 3182 | 25 | 3128 | 3071 | 1075 | 1069 | 58 | 32 |
| 186 | 85 | 59 | 21 | 3081 | 3077 | 21 | 3095 | 3031 | 1073 | 1067 | 58 | 32 |
| 187 | 86 | 19 | 40 | 2985 | 3072 | 40 | 3065 | 3066 | 1081 | 1065 | 50 | 34 |
| 188 | 86 | 39 | 39 | 3077 | 3077 | 21 | 3095 | 3036 | 1057 | 1086 | 60 | 34 |
| 189 | 87 | 8 | 34 | 3066 | 3082 | 40 | 3280 | 3056 | 1077 | 1057 | 34 | 31 |
| 190 | 87 | 28 | 49 | 3081 | 3087 | 22 | 3065 | 3086 | 1085 | 1057 | 28 | 30 |
| 191 | 87 | 48 | 24 | 3222 | 3042 | 25 | 3126 | 3031 | 1073 | 1057 | 48 | 32 |
| 192 | 88 | 8 | 29 | 3066 | 3092 | 46 | 3065 | 3031 | 1073 | 1053 | 44 | 32 |
| 193 | 88 | 21 | 26 | 3066 | 3122 | 27 | 3120 | 3081 | 1059 | 1067 | 66 | 33 |
| 194 | 88 | 41 | 29 | 2985 | 3072 | 27 | 3120 | 3186 | 1061 | 1076 | 62 | 31 |
| 195 | 89 | 1 | 21 | 3141 | 3097 | 32 | 3120 | 3081 | 1067 | 1076 | 54 | 34 |
| 196 | 89 | 21 | 21 | 3181 | 3077 | 32 | 3120 | 3081 | 1067 | 1076 | 54 | 34 |
| 197 | 89 | 42 | 31 | 3071 | 3182 | 32 | 3120 | 2917 | 1181 | 1092 | 68 | 31 |
| 198 | 90 | 2 | 40 | 3041 | 3122 | 40 | 3040 | 3091 | 1081 | 1067 | 50 | 34 |
| 199 | 90 | 22 | 40 | 3041 | 3122 | 32 | 3040 | 3195 | 1085 | 1071 | 46 | 31 |
| 200 | 90 | 42 | 24 | 3116 | 3087 | 26 | 3080 | 3066 | 1081 | 1076 | 52 | 33 |
| 201 | 91 | 3 | 41 | 3086 | 3077 | 32 | 3148 | 3091 | 1067 | 1065 | 46 | 32 |
| 202 | 91 | 23 | 47 | 3081 | 3117 | 32 | 3108 | 3016 | 1081 | 1069 | 52 | 32 |
| 203 | 91 | 43 | 30 | 3222 | 3097 | 30 | 3068 | 3081 | 1081 | 1069 | 52 | 32 |
| 204 | 92 | 7 | 34 | 3222 | 3122 | 32 | 3070 | 3096 | 1083 | 1067 | 48 | 32 |
| 205 | 92 | 23 | 46 | 3081 | 3117 | 25 | 3095 | 3136 | 1087 | 1067 | 56 | 32 |
| 206 | 92 | 44 | 24 | 3077 | 3077 | 32 | 3065 | 3131 | 1089 | 1067 | 50 | 32 |
| 207 | 93 | 4 | 26 | 3086 | 3092 | 21 | 3105 | 3096 | 1087 | 1067 | 56 | 32 |
| 208 | 93 | 24 | 27 | 3081 | 3117 | 24 | 3065 | 3131 | 1101 | 1088 | 54 | 31 |
| 209 | 93 | 44 | 24 | 3088 | 3117 | 21 | 3055 | 3051 | 1083 | 1075 | 54 | 31 |
| 210 | 94 | 4 | 31 | 3061 | 3077 | 25 | 3130 | 3071 | 1081 | 1075 | 64 | 32 |
| 211 | 94 | 24 | 24 | 3086 | 3082 | 32 | 3128 | 3101 | 1085 | 1067 | 50 | 33 |
| 212 | 94 | 45 | 26 | 3096 | 3097 | 27 | 3128 | 3106 | 1089 | 1078 | 54 | 34 |
| 213 | 95 | 5 | 31 | 3222 | 3132 | 26 | 3060 | 3056 | 1089 | 1076 | 68 | 33 |
| 214 | 95 | 25 | 40 | 3086 | 3087 | 40 | 3070 | 3056 | 1081 | 1076 | 50 | 34 |
| 215 | 95 | 46 | 41 | 3141 | 3132 | 27 | 3120 | 3096 | 1087 | 1073 | 60 | 30 |

| -81 SWEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-05 1STAGE HYD. PUMP INLET PRESS PSIG | 2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG | 2-07 1STAGE HYD. (AFT SERVO CYL.) PSIG | 2-08 2STAGE HYD. PUMP INLET PRESS PSIG | 2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2-10 2STAGE HYD. (AFT CYL.) PSIG | 2-11 2STAGE HYD. (PITCH PROL) CHAM) PSIG | 2-12 2STAGE HYD. (COLL. CYL.) CHAM) PSIG | 2-13 UTIL. AFCS 2 AFCS 1 (P/R CHAM) PSIG | 2-14 UTIL. AFCS 1 PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---|--|--|---|---|--|--|--|---|
| 196 | 96 | 6 | 27 | 3891 | 3122 | 32 | 3120 | 3116 | 1065 | 1071 | 62 | 34 |
| 197 | 96 | 26 | 35 | 3116 | 3162 | 40 | 3200 | 3061 | 1097 | 1070 | 64 | 30 |
| 198 | 96 | 46 | 29 | 3121 | 3117 | 21 | 3185 | 3136 | 1089 | 1064 | 54 | 31 |
| 199 | 97 | 6 | 31 | 3116 | 3162 | 25 | 3220 | 3066 | 1087 | 1084 | 58 | 34 |
| 200 | 97 | 27 | 17 | 3222 | 3117 | 32 | 3065 | 3146 | 1083 | 1088 | 58 | 34 |
| 201 | 97 | 47 | 24 | 3222 | 3112 | 21 | 3060 | 3131 | 1103 | 1089 | 64 | 34 |
| 202 | 98 | 7 | 24 | 3066 | 3122 | 33 | 3085 | 3126 | 1093 | 1078 | 66 | 32 |
| 203 | 98 | 27 | 21 | 3141 | 3117 | 40 | 3145 | 3081 | 1091 | 1078 | 68 | 32 |
| 204 | 98 | 47 | 32 | 3046 | 3132 | 32 | 3065 | 3081 | 1059 | 1067 | 54 | 27 |
| 205 | 99 | 8 | 23 | 3141 | 3067 | 23 | 3139 | 2991 | 1085 | 1084 | 42 | 27 |
| 206 | 99 | 28 | 21 | 3121 | 2996 | 32 | 3038 | 2972 | 1087 | 1086 | 46 | 31 |
| 207 | 99 | 48 | 33 | 3081 | 3037 | 40 | 3185 | 3081 | 1087 | 1078 | 68 | 34 |
| 208 | 100 | 9 | 34 | 3066 | 3082 | 26 | 3128 | 3131 | 1084 | 1078 | 68 | 32 |
| 209 | 100 | 25 | 25 | 3106 | 3122 | 40 | 3105 | 3081 | 1103 | 1059 | 66 | 32 |
| 210 | 100 | 49 | 26 | 3227 | 3092 | 36 | 3130 | 2981 | 1097 | 1067 | 66 | 34 |
| 211 | 101 | 9 | 27 | 3066 | 3092 | 40 | 3040 | 3165 | 1099 | 1074 | 54 | 34 |
| 212 | 101 | 30 | 25 | 3222 | 3167 | 32 | 3200 | 3091 | 1083 | 1084 | 54 | 34 |
| 213 | 101 | 50 | 24 | 3121 | 3062 | 21 | 3095 | 3096 | 1081 | 1053 | 40 | 34 |
| 214 | 102 | 10 | 21 | 3081 | 3137 | 33 | 3105 | 3066 | 1091 | 1069 | 42 | 34 |
| 215 | 102 | 30 | 29 | 3051 | 3112 | 32 | 3068 | 3101 | 1087 | 1071 | 54 | 34 |
| 216 | 102 | 51 | 32 | 3222 | 3082 | 48 | 3095 | 3116 | 1089 | 1090 | 62 | 32 |
| 217 | 103 | 11 | 24 | 3121 | 3117 | 00 | 3065 | 3116 | 1089 | 1073 | 68 | 32 |
| 218 | 103 | 31 | 24 | 3106 | 3102 | 41 | 3045 | 3121 | 1083 | 1080 | 68 | 32 |
| 219 | 103 | 51 | 32 | 3222 | 3082 | 21 | 3095 | 3066 | 1087 | 1084 | 66 | 32 |
| 220 | 104 | 12 | 27 | 3066 | 3092 | 25 | 3220 | 3081 | 1087 | 1076 | 66 | 34 |
| 221 | 104 | 32 | 34 | 3091 | 3117 | 21 | 3070 | 3081 | 1087 | 1096 | 68 | 34 |
| 222 | 104 | 52 | 21 | 3121 | 3117 | 32 | 3240 | 3116 | 1087 | 1090 | 68 | 32 |
| 223 | 105 | 13 | 27 | 3222 | 3117 | 21 | 3095 | 3116 | 1091 | 1096 | 68 | 32 |
| 224 | 105 | 33 | 31 | 3066 | 3092 | 17 | 3190 | 3126 | 1089 | 1082 | 68 | 34 |
| 225 | 105 | 53 | 41 | 3081 | 3132 | 36 | 3050 | 3131 | 1097 | 1088 | 62 | 34 |
| 226 | 106 | 13 | 30 | 3141 | 3117 | 13 | 3160 | 3086 | 1089 | 1073 | 68 | 32 |
| 227 | 106 | 33 | 21 | 3091 | 3117 | 13 | 3120 | 3086 | 1089 | 1090 | 62 | 32 |
| 228 | 106 | 54 | 36 | 3066 | 3132 | 40 | 3285 | 3091 | 1081 | 1084 | 68 | 34 |
| 229 | 107 | 14 | 27 | 3086 | 3132 | 25 | 3120 | 3136 | 1091 | 1084 | 68 | 34 |
| 230 | 107 | 34 | 24 | 3126 | 3092 | 32 | 3150 | 3086 | 1087 | 1089 | 62 | 34 |
| 231 | 107 | 54 | 24 | 3096 | 3092 | 32 | 3185 | 3121 | 1093 | 1082 | 62 | 32 |
| 232 | 108 | 14 | 25 | 3081 | 3092 | 22 | 3020 | 3121 | 1083 | 1082 | 70 | 30 |
| 233 | 108 | 34 | 31 | 3227 | 3112 | 21 | 3065 | 3081 | 1097 | 1083 | 56 | 30 |
| 234 | 108 | 55 | 40 | 3081 | 3132 | 32 | 3065 | 3131 | 1083 | 1073 | 64 | 30 |
| 235 | 109 | 15 | 41 | 3081 | 3112 | 27 | 3180 | 3160 | 1087 | 1086 | 66 | 30 |
| 236 | 109 | 35 | 27 | 3141 | 3107 | 26 | 3125 | 2981 | 1089 | 1086 | 66 | 30 |
| 237 | 109 | 55 | 21 | 3066 | 3142 | 21 | 3195 | 3181 | 1083 | 1076 | 62 | 30 |
| 238 | 110 | 15 | 41 | 3086 | 3152 | 27 | 3170 | 3131 | 1083 | 1088 | 68 | 32 |
| 239 | 110 | 35 | 25 | 3066 | 3107 | 23 | 3208 | 3141 | 1101 | 1078 | 66 | 30 |
| 240 | 110 | 55 | 20 | 3141 | 3117 | 32 | 3060 | 3111 | 1087 | 1084 | 68 | 30 |
| 241 | 111 | 15 | 27 | 3116 | 3132 | 22 | 3115 | 3091 | 1093 | 1078 | 64 | 32 |
| 242 | 111 | 35 | 26 | 3222 | 3117 | 21 | 3095 | 3101 | 1087 | 1094 | 62 | 32 |
| 243 | 111 | 55 | 24 | 3086 | 3137 | 25 | 3128 | 3111 | 1097 | 1096 | 64 | 32 |
| 244 | 112 | 15 | 25 | 3131 | 3122 | 40 | 3015 | 3131 | 1101 | 1080 | 66 | 32 |
| 245 | 112 | 35 | 41 | 3066 | 3117 | 32 | 3200 | 3165 | 1095 | 1086 | 68 | 32 |

| -01 SHEEP COUNT | 7-02 TIME *MIN. | 2-03 TIME SEC. | 2-05 1STAGE HYD. PUMP INLET PRESS PSIG | 2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG | 2-07 1STAGE HYD. SERVO CYL.) PSIG | 2-08 2STAGE HYD. PUMP INLET PRESS PSIG | 2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2-10 2STAGE HYD. SERVO CYL.) PSIG | 2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG | 2-12 2STAGE AFCS 1 (COLL. /VAN CHAN) PSIG | 2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG | 2-14 UTIL. HYD. PUMP INLET PRESS PSIG |
|-----------------------|-----------------------|----------------------|--|---|--|--|---|--|--|---|--|---|
| 246 | 112 | 55 | 41 | 3081 | 3117 | 28 | 3180 | 3131 | 1093 | 1873 | 54 | 33 |
| 247 | 113 | 16 | 40 | 3141 | 3117 | 32 | 3170 | 3141 | 1181 | 1882 | 62 | 28 |
| 248 | 113 | 56 | 48 | 3081 | 3117 | 21 | 3118 | 3121 | 1889 | 1886 | 66 | 31 |
| 249 | 113 | 35 | 45 | 3076 | 3132 | 25 | 3170 | 3106 | 1097 | 1882 | 68 | 33 |
| 250 | 114 | 16 | 49 | 3081 | 3077 | 48 | 3240 | 3131 | 1089 | 1873 | 62 | 33 |
| 251 | 114 | 36 | 27 | 3116 | 3172 | 22 | 3105 | 3121 | 1097 | 1882 | 64 | 34 |
| 252 | 114 | 56 | 25 | 3076 | 3067 | 33 | 3065 | 3086 | 1101 | 1890 | 64 | 32 |
| 253 | 115 | 16 | 21 | 3141 | 3087 | 32 | 3085 | 3121 | 1087 | 1882 | 68 | 31 |
| 254 | 115 | 36 | 48 | 3131 | 3157 | 38 | 3088 | 3086 | 1185 | 1882 | 68 | 33 |
| 255 | 115 | 56 | 26 | 3081 | 3162 | 21 | 3065 | 3071 | 1085 | 1888 | 62 | 32 |
| 256 | 116 | 16 | 21 | 3141 | 3117 | 48 | 3295 | 3091 | 1091 | 1888 | 68 | 32 |
| 257 | 116 | 36 | 24 | 3076 | 3132 | 32 | 3160 | 3116 | 1181 | 1888 | 68 | 32 |
| 258 | 116 | 56 | 27 | 3086 | 3132 | 24 | 3180 | 3121 | 1087 | 1886 | 64 | 33 |
| 259 | 117 | 16 | 36 | 3262 | 3152 | 32 | 3120 | 3111 | 1091 | 1886 | 68 | 38 |
| 260 | 117 | 36 | 24 | 3086 | 3132 | 32 | 3280 | 3121 | 1087 | 1888 | 68 | 37 |
| 261 | 117 | 56 | 40 | 3081 | 3132 | 21 | 3118 | 3111 | 1089 | 1888 | 70 | 33 |
| 262 | 118 | 16 | 24 | 3081 | 3117 | 28 | 3145 | 3126 | 1087 | 1888 | 72 | 34 |
| 263 | 118 | 36 | 48 | 3081 | 3117 | 22 | 3120 | 3121 | 1087 | 1892 | 68 | 38 |
| 264 | 118 | 56 | 32 | 3086 | 3132 | 22 | 3268 | 3086 | 1097 | 1886 | 64 | 37 |
| 265 | 119 | 16 | 26 | 3121 | 3162 | 21 | 3085 | 3131 | 1093 | 1886 | 64 | 32 |
| 266 | 119 | 36 | 20 | 3141 | 3117 | 40 | 3248 | 3131 | 1101 | 1890 | 64 | 32 |
| 267 | 119 | 56 | 14 | 3121 | 3117 | 32 | 3120 | 3116 | 1095 | 1882 | 68 | 33 |
| 268 | 120 | 16 | 32 | 3141 | 3117 | 25 | 3138 | 3131 | 1097 | 1884 | 64 | 31 |
| 269 | 120 | 36 | 32 | 3222 | 3137 | 41 | 3228 | 3116 | 1183 | 1896 | 62 | 31 |
| 270 | 120 | 56 | 31 | 3222 | 3137 | 40 | 3085 | 3051 | 1083 | 1878 | 66 | 32 |
| 271 | 121 | 16 | 26 | 3081 | 3162 | 48 | 3065 | 3056 | 1071 | 1869 | 48 | 34 |
| 272 | 121 | 36 | 40 | 3066 | 3172 | 36 | 3240 | 3081 | 1085 | 1878 | 56 | 29 |
| 273 | 121 | 57 | 40 | 3222 | 3102 | 21 | 3130 | 3021 | 1081 | 1876 | 52 | 31 |
| 274 | 122 | 17 | 32 | 3131 | 3142 | 32 | 3080 | 3091 | 1081 | 1888 | 60 | 33 |
| 275 | 122 | 37 | 48 | 3066 | 3117 | 27 | 3005 | 3061 | 1081 | 1876 | 54 | 33 |
| 276 | 122 | 58 | 26 | 3116 | 3097 | 32 | 3065 | 3081 | 1081 | 1876 | 58 | 36 |
| 277 | 123 | 18 | 21 | 3066 | 3117 | 32 | 3065 | 3096 | 1083 | 1871 | 58 | 34 |
| 278 | 123 | 38 | 44 | 3066 | 3117 | 32 | 3095 | 3091 | 1087 | 1871 | 46 | 33 |
| 279 | 123 | 58 | 44 | 3141 | 3077 | 40 | 3128 | 3036 | 1087 | 1871 | 48 | 32 |
| 280 | 124 | 19 | 21 | 3081 | 3062 | 25 | 3120 | 3021 | 1059 | 1863 | 38 | 32 |
| 281 | 124 | 39 | 31 | 3121 | 3082 | 22 | 3120 | 3031 | 1055 | 1853 | 34 | 27 |
| 282 | 125 | 0 | 32 | 3066 | 3037 | 22 | 3066 | 2957 | 1061 | 1863 | 40 | 44 |
| 283 | 125 | 21 | 34 | 3066 | 3037 | 32 | 3060 | 3051 | 1065 | 1863 | 46 | 44 |
| 284 | 125 | 41 | 24 | 3041 | 3052 | 20 | 2955 | 3031 | 1069 | 1839 | 36 | 35 |
| 285 | 126 | 2 | 32 | 2905 | 3017 | 23 | 3005 | 2981 | 1069 | 1853 | 36 | 31 |
| 286 | 126 | 22 | 21 | 3041 | 3062 | 32 | 3120 | 2901 | 1061 | 1863 | 30 | 31 |
| 287 | 126 | 43 | 35 | 3066 | 3042 | 24 | 2965 | 3031 | 1067 | 1851 | 42 | 34 |
| 288 | 127 | 3 | 26 | 3066 | 3037 | 24 | 3120 | 3031 | 1061 | 1851 | 40 | 24 |
| 289 | 127 | 24 | 21 | 3051 | 3077 | 25 | 3145 | 3051 | 1061 | 1867 | 44 | 32 |
| 290 | 127 | 45 | 21 | 3041 | 3072 | 23 | 3200 | 3051 | 1051 | 1857 | 34 | 26 |
| 291 | 128 | 5 | 26 | 3020 | 3032 | 32 | 2995 | 3006 | 1061 | 1841 | 26 | 26 |
| 292 | 128 | 21 | 27 | 3051 | 3032 | 32 | 3145 | 2986 | 1057 | 1847 | 34 | 38 |
| 293 | 128 | 46 | 24 | 3041 | 3112 | 22 | 3080 | 3086 | 1067 | 1849 | 44 | 35 |
| 294 | 129 | 7 | 28 | 3026 | 3057 | 28 | 3005 | 3041 | 1057 | 1841 | 34 | 34 |
| 295 | 129 | 27 | 25 | 3066 | 3057 | 24 | 3120 | 3036 | 1063 | 1863 | 40 | 32 |

| -01 SNEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-05 1STAGE HYD. PUMP INLET PRESS PSIG | 2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG | 2-07 1STAGE HYD. PUMP (ART CYL.) PRESS PSIG | 2-08 2STAGE HYD. PUMP INLET PRESS PSIG | 2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2-10 2STAGE HYD. SERVO CYL.) PRESS PSIG | 2-11 2STAGE AFCS 1 (PITCH CHAN) PRESS PSIG | 2-12 2STAGE AFCS 1 (ROLL CHAN) PRESS PSIG | 2-13 UTIL. HYD. AFCS 2 INLET PRESS PSIG | 2-14 UTIL. HYD. PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---|--|--|---|---|--|---|---|---|
| 296 | 129 | 48 | 40 | 3041 | 3062 | 26 | 3005 | 2996 | 1061 | 1059 | 40 | 31 |
| 297 | 130 | 0 | 26 | 3020 | 3027 | 32 | 3045 | 3035 | 1059 | 1049 | 48 | 26 |
| 298 | 130 | 29 | 22 | 2885 | 3062 | 25 | 2995 | 3096 | 1061 | 1061 | 34 | 27 |
| 299 | 130 | 49 | 25 | 2905 | 3072 | 35 | 3240 | 3041 | 1061 | 1051 | 44 | 23 |
| 300 | 131 | 10 | 30 | 3001 | 3062 | 29 | 3085 | 3071 | 1041 | 1059 | 38 | 34 |
| 301 | 131 | 30 | 41 | 3061 | 3062 | 29 | 3085 | 3051 | 1043 | 1050 | 34 | 31 |
| 302 | 131 | 51 | 30 | 3066 | 3072 | 31 | 2680 | 3021 | 1045 | 1041 | 40 | 32 |
| 303 | 132 | 11 | 22 | 3071 | 3112 | 26 | 3005 | 3031 | 1045 | 1053 | 44 | 41 |
| 304 | 132 | 32 | 32 | 3081 | 3052 | 21 | 3248 | 2981 | 1061 | 1047 | 48 | 26 |
| 305 | 132 | 52 | 29 | 3061 | 3057 | 25 | 3065 | 3001 | 1061 | 1051 | 34 | 41 |
| 306 | 133 | 13 | 27 | 3066 | 3057 | 24 | 3200 | 3026 | 1051 | 1049 | 30 | 31 |
| 307 | 133 | 33 | 35 | 3071 | 3072 | 26 | 3105 | 3046 | 1060 | 1057 | 30 | 30 |
| 308 | 133 | 54 | 27 | 3026 | 3072 | 26 | 2725 | 3190 | 1049 | 1053 | 28 | 27 |
| 309 | 134 | 14 | 16 | 3041 | 3062 | 22 | 2995 | 3086 | 1049 | 1063 | 32 | 32 |
| 310 | 134 | 35 | 32 | 3091 | 3037 | 26 | 2955 | 3036 | 1061 | 1063 | 48 | 48 |
| 311 | 134 | 55 | 27 | 3026 | 3072 | 32 | 3085 | 2981 | 1073 | 1069 | 44 | 27 |
| 312 | 135 | 15 | 28 | 3141 | 3112 | 32 | 2995 | 3150 | 1061 | 1073 | 62 | 48 |
| 313 | 135 | 35 | 25 | 3081 | 3092 | 22 | 3080 | 3091 | 1073 | 1069 | 56 | 32 |
| 314 | 135 | 55 | 25 | 3116 | 3087 | 22 | 3240 | 3046 | 1080 | 1080 | 62 | 35 |
| 315 | 135 | 15 | 27 | 3096 | 3107 | 33 | 3085 | 3061 | 1075 | 1078 | 66 | 31 |
| 316 | 136 | 35 | 32 | 3116 | 3097 | 25 | 3085 | 3081 | 1081 | 1069 | 68 | 27 |
| 317 | 136 | 53 | 41 | 3141 | 3137 | 25 | 3128 | 3096 | 1085 | 1097 | 68 | 31 |
| 318 | 137 | 15 | 32 | 3081 | 3092 | 28 | 3120 | 3096 | 1075 | 1076 | 68 | 38 |
| 319 | 137 | 35 | 27 | 3101 | 3092 | 32 | 3005 | 3041 | 1081 | 1076 | 46 | 29 |
| 320 | 137 | 55 | 32 | 3222 | 3117 | 27 | 3005 | 3041 | 1089 | 1076 | 50 | 33 |
| 321 | 138 | 15 | 24 | 3101 | 3117 | 30 | 3155 | 3061 | 1077 | 1065 | 68 | 30 |
| 322 | 138 | 35 | 27 | 3222 | 3117 | 22 | 3240 | 3096 | 1097 | 1065 | 62 | 25 |
| 323 | 138 | 55 | 27 | 3086 | 3102 | 23 | 3060 | 3136 | 1097 | 1069 | 68 | 32 |
| 324 | 139 | 16 | 32 | 3026 | 3077 | 32 | 3120 | 3061 | 1079 | 1084 | 60 | 30 |
| 325 | 139 | 36 | 21 | 3086 | 3077 | 33 | 3105 | 3071 | 1081 | 1088 | 58 | 32 |
| 326 | 139 | 56 | 35 | 3081 | 3122 | 27 | 3130 | 3101 | 1089 | 1078 | 62 | 33 |
| 327 | 140 | 16 | 32 | 3066 | 3112 | 27 | 3080 | 3086 | 1085 | 1078 | 68 | 34 |
| 328 | 140 | 36 | 27 | 3222 | 3162 | 32 | 3095 | 3131 | 1081 | 1082 | 68 | 34 |
| 329 | 140 | 56 | 26 | 3141 | 3127 | 40 | 3095 | 3081 | 1081 | 1068 | 74 | 34 |
| 330 | 141 | 15 | 30 | 3182 | 3187 | 24 | 3060 | 3131 | 1091 | 1088 | 62 | 48 |
| 331 | 141 | 35 | 24 | 3161 | 3077 | 32 | 3108 | 3101 | 1087 | 1088 | 68 | 33 |
| 332 | 141 | 55 | 35 | 3167 | 3192 | 21 | 3095 | 3136 | 1181 | 1088 | 76 | 30 |
| 333 | 142 | 15 | 25 | 3167 | 3142 | 26 | 3095 | 3160 | 1117 | 1088 | 70 | 33 |
| 334 | 142 | 35 | 41 | 3121 | 3122 | 22 | 3095 | 3131 | 1123 | 1098 | 72 | 33 |
| 335 | 142 | 54 | 32 | 3131 | 3122 | 25 | 3120 | 3116 | 1115 | 1094 | 68 | 33 |
| 336 | 143 | 14 | 24 | 3141 | 3062 | 26 | 3120 | 3155 | 1115 | 1088 | 76 | 32 |
| 337 | 143 | 34 | 48 | 3086 | 3117 | 41 | 3240 | 3136 | 1095 | 1073 | 68 | 33 |
| 338 | 143 | 54 | 25 | 3141 | 3172 | 40 | 3130 | 3086 | 1101 | 1086 | 60 | 30 |
| 339 | 144 | 14 | 27 | 3141 | 3117 | 25 | 3130 | 3091 | 1111 | 1104 | 64 | 32 |
| 340 | 144 | 33 | 26 | 3141 | 3117 | 32 | 3248 | 3116 | 1107 | 1090 | 62 | 32 |
| 341 | 144 | 53 | 41 | 3167 | 3117 | 32 | 3105 | 3190 | 1111 | 1094 | 68 | 32 |
| 342 | 145 | 13 | 32 | 3141 | 3132 | 26 | 3095 | 3086 | 1103 | 1100 | 68 | 31 |
| 343 | 145 | 33 | 32 | 3121 | 3112 | 27 | 3095 | 3096 | 1107 | 1092 | 68 | 33 |
| 344 | 145 | 53 | 28 | 3222 | 3117 | 40 | 3130 | 3136 | 1097 | 1096 | 68 | 34 |
| 345 | 146 | 12 | 41 | 3262 | 3117 | 25 | 3160 | 3160 | 1109 | 1094 | 68 | 33 |

| -01 SWEEP COUNT | F-02 TIME *IN. | 2-03 TIME SEC. | 2-05 | | | | 2-06 | | | | 2-07 | | | | 2-08 | | | | 2-09 | | | | 2-10 | | | | 2-11 | | | | 2-12 | | | | 2-13 | | | | 2-14 | | | |
|-----------------------|----------------------|----------------------|--------|------|------|------|--------|------|------|------|--------|------|-------|-------|------|--------|------|-------|------|------|--------|------|-------|------|------|--------|------|-------|------|------|--------|------|-------|------|------|--------|------|-------|------|------|--|--|
| | | | 1STAGE | HYD. | PUMP | PSIG | 1STAGE | HYD. | PUMP | PSIG | 1STAGE | HYD. | INLET | PRESS | PSIG | 2STAGE | HYD. | INLET | PUMP | PSIG | 2STAGE | HYD. | INLET | PUMP | PSIG | 2STAGE | HYD. | INLET | PUMP | PSIG | 2STAGE | HYD. | INLET | PUMP | PSIG | 2STAGE | HYD. | INLET | PUMP | PSIG | | |
| 346 | 146 | 32 | 25 | 3121 | 3122 | 32 | 3140 | 3096 | 1095 | 1096 | 50 | 50 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 347 | 146 | 52 | 47 | 3086 | 3117 | 32 | 2985 | 3081 | 1107 | 1092 | 60 | 60 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 348 | 147 | 17 | 29 | 3066 | 3072 | 26 | 3245 | 2982 | 1037 | 1090 | 64 | 64 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 349 | 147 | 32 | 31 | 3141 | 3132 | 25 | 3085 | 3091 | 1095 | 1090 | 62 | 62 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 350 | 147 | 51 | 11 | 3086 | 3112 | 21 | 3220 | 3076 | 1095 | 1106 | 68 | 68 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 351 | 148 | 11 | 30 | 3081 | 3132 | 40 | 3080 | 3146 | 1101 | 1088 | 68 | 68 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 352 | 148 | 31 | 22 | 3066 | 3087 | 21 | 3860 | 3136 | 1095 | 1088 | 58 | 58 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 353 | 148 | 51 | 41 | 3066 | 3102 | 40 | 3080 | 3178 | 1101 | 1102 | 60 | 60 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 354 | 149 | 11 | 25 | 3116 | 3087 | 13 | 3195 | 3165 | 1095 | 1124 | 76 | 76 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 355 | 149 | 30 | 21 | 3141 | 3117 | 24 | 3205 | 3141 | 1105 | 1096 | 68 | 68 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 356 | 149 | 50 | 21 | 3141 | 3117 | 24 | 3205 | 3141 | 1105 | 1096 | 68 | 68 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 357 | 150 | 10 | 21 | 3136 | 3137 | 20 | 3245 | 3066 | 1099 | 1092 | 62 | 62 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 358 | 150 | 30 | 11 | 3141 | 3137 | 26 | 3080 | 3136 | 1095 | 1098 | 76 | 76 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 359 | 150 | 58 | 21 | 3141 | 3117 | 40 | 3246 | 3126 | 1069 | 1096 | 60 | 60 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 360 | 151 | 9 | 41 | 3081 | 3172 | 26 | 3085 | 3081 | 1105 | 1106 | 66 | 66 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 361 | 151 | 29 | 41 | 3167 | 3117 | 20 | 3120 | 3168 | 1097 | 1106 | 66 | 66 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 362 | 151 | 49 | 25 | 3227 | 3162 | 32 | 3245 | 3031 | 1111 | 1090 | 66 | 66 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 363 | 152 | 9 | 21 | 3086 | 3132 | 32 | 3120 | 3141 | 1117 | 1084 | 54 | 54 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 364 | 152 | 20 | 32 | 3121 | 3117 | 36 | 3080 | 3131 | 1117 | 1090 | 66 | 66 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 365 | 152 | 40 | 32 | 3222 | 3132 | 32 | 3120 | 3105 | 1095 | 1102 | 70 | 70 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 366 | 153 | 8 | 21 | 3121 | 3117 | 32 | 3120 | 3195 | 1095 | 1102 | 68 | 68 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 367 | 153 | 28 | 11 | 3081 | 3152 | 27 | 3180 | 3116 | 1095 | 1108 | 66 | 66 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 368 | 153 | 47 | 22 | 3121 | 3112 | 40 | 3240 | 3165 | 1095 | 1088 | 68 | 68 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 369 | 154 | 7 | 41 | 3267 | 3177 | 29 | 3220 | 3115 | 1091 | 1090 | 64 | 64 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 370 | 154 | 27 | 20 | 3141 | 3152 | 21 | 3240 | 3195 | 1099 | 1098 | 64 | 64 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 371 | 154 | 47 | 41 | 3086 | 3087 | 21 | 3085 | 3041 | 1091 | 1098 | 66 | 66 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 372 | 155 | 6 | 40 | 3086 | 3137 | 32 | 3240 | 3150 | 1127 | 1090 | 68 | 68 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 373 | 155 | 26 | 41 | 3086 | 3112 | 21 | 3105 | 3101 | 1189 | 1090 | 74 | 74 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 374 | 155 | 46 | 17 | 3121 | 3127 | 32 | 3069 | 3126 | 1101 | 1094 | 68 | 68 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 375 | 156 | 6 | 30 | 3141 | 3177 | 32 | 3105 | 3086 | 1109 | 1090 | 74 | 74 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 376 | 156 | 25 | 20 | 3081 | 3142 | 21 | 3220 | 3081 | 1185 | 1096 | 72 | 72 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 377 | 156 | 45 | 21 | 3126 | 3162 | 32 | 3245 | 3106 | 1113 | 1068 | 70 | 70 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 378 | 157 | 5 | 48 | 3262 | 3162 | 25 | 3105 | 3141 | 1125 | 1082 | 76 | 76 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 379 | 157 | 24 | 25 | 3126 | 3132 | 32 | 3160 | 3141 | 1107 | 1100 | 80 | 80 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 380 | 157 | 44 | 32 | 3101 | 3172 | 13 | 3225 | 3081 | 1105 | 1088 | 70 | 70 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 381 | 158 | 11 | 11 | 3081 | 3142 | 33 | 3245 | 3131 | 1107 | 1088 | 62 | 62 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 382 | 158 | 24 | 29 | 3167 | 3117 | 22 | 3120 | 3116 | 1105 | 1092 | 74 | 74 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 383 | 158 | 43 | 31 | 3126 | 3152 | 21 | 3220 | 3180 | 1099 | 1088 | 80 | 80 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 384 | 159 | 3 | 24 | 3106 | 3102 | 27 | 3105 | 3150 | 1121 | 1104 | 76 | 76 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 385 | 159 | 23 | 21 | 3126 | 3142 | 21 | 3095 | 3175 | 1107 | 1094 | 62 | 62 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 386 | 159 | 42 | 41 | 3116 | 3172 | 36 | 3095 | 3081 | 1095 | 1112 | 68 | 68 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 387 | 160 | 2 | 47 | 3116 | 3162 | 27 | 3160 | 3116 | 1103 | 1090 | 60 | 60 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 388 | 160 | 21 | 27 | 3192 | 3172 | 32 | 3160 | 3131 | 1095 | 1092 | 74 | 74 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 389 | 160 | 41 | 41 | 3227 | 3117 | 21 | 3245 | 3071 | 1113 | 1094 | 84 | 84 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 390 | 161 | 1 | 27 | 3101 | 3152 | 40 | 3180 | 3146 | 1081 | 1108 | 76 | 76 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 391 | 161 | 20 | 27 | 3141 | 3117 | 40 | 3120 | 3136 | 1121 | 1090 | 70 | 70 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 392 | 161 | 48 | 19 | 3222 | 3137 | 21 | 3220 | 3196 | 1101 | 1112 | 70 | 70 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 393 | 162 | 8 | 26 | 3121 | 3137 | 21 | 3220 | 3151 | 1091 | 1108 | 74 | 74 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 394 | 162 | 10 | 26 | 3141 | 3137 | 27 | 3105 | 3150 | 1103 | 1098 | 70 | 70 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 395 | 163 | 23 | 41 | 3086 | 3132 | 32 | 3245 | 3136 | 1111 | 1076 | 60 | 60 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| -01 SNEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-05 1STAGE HYD. PUMP INLET PRESS PSIG | 2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG | 2-07 1STAGE HYD. PUMP SERVO CYL.) PSIG | 2-08 2STAGE HYD. PUMP INLET PRESS PSIG | 2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2-10 2STAGE HYD. (LEFT SERVO CYL.) PSIG | 2-11 2STAGE AFCS 1 (PITCH CYL.) PSIG | 2-12 2STAGE AFCS 1 (ROLL CYL.) PSIG | 2-13 UTIL. HYD. AFCS 2 CHAMP PSIG | 2-14 UTIL. HYD. PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---|--|--|---|---|---|--|--|---|
| 396 | 163 | 43 | 21 | 3086 | 3092 | 22 | 3128 | 3136 | 1109 | 1090 | 60 | 32 |
| 397 | 164 | 3 | 31 | 3086 | 3142 | 21 | 3220 | 3131 | 1095 | 1090 | 72 | 31 |
| 398 | 166 | 51 | 32 | 3141 | 3127 | 32 | 3095 | 3150 | 1101 | 1066 | 66 | 31 |
| 399 | 167 | 11 | 22 | 3121 | 3092 | 20 | 3110 | 3195 | 1107 | 1110 | 80 | 32 |
| 400 | 167 | 30 | 21 | 3121 | 3142 | 17 | 3105 | 3136 | 1095 | 1088 | 60 | 31 |
| 401 | 169 | 25 | 25 | 3192 | 3117 | 22 | 3205 | 3141 | 1111 | 1108 | 74 | 33 |
| 402 | 171 | 59 | 41 | 3126 | 2996 | 22 | 3120 | 3116 | 1105 | 1088 | 76 | 30 |
| 403 | 172 | 19 | 27 | 3141 | 3077 | 26 | 3005 | 3121 | 1109 | 1088 | 70 | 32 |
| 404 | 172 | 38 | 32 | 3081 | 3132 | 27 | 3245 | 3086 | 1097 | 1098 | 70 | 32 |
| 405 | 174 | 33 | 24 | 3141 | 3127 | 40 | 3120 | 3126 | 1109 | 1094 | 74 | 31 |
| 406 | 176 | 52 | 29 | 3086 | 3172 | 21 | 3105 | 3136 | 1123 | 1116 | 84 | 32 |
| 407 | 175 | 12 | 18 | 3126 | 3077 | 24 | 2630 | 3414 | 1095 | 1116 | 60 | 34 |
| 408 | 177 | 7 | 21 | 3122 | 3112 | 25 | 2995 | 3195 | 1103 | 1102 | 60 | 32 |
| 409 | 177 | 57 | 21 | 3126 | 3177 | 60 | 3180 | 3131 | 1125 | 1102 | 84 | 31 |
| 410 | 178 | 17 | 35 | 3141 | 3172 | 30 | 3200 | 3250 | 1109 | 1108 | 72 | 35 |
| 411 | 178 | 36 | 44 | 3262 | 3122 | 21 | 3120 | 3180 | 1109 | 1104 | 76 | 27 |
| 412 | 178 | 56 | 27 | 3262 | 3162 | 48 | 3080 | 3180 | 1115 | 1112 | 80 | 35 |
| 413 | 179 | 16 | 34 | 3121 | 3112 | 27 | 3105 | 3141 | 1117 | 1094 | 74 | 34 |
| 414 | 179 | 35 | 22 | 3172 | 3172 | 33 | 3123 | 3141 | 1111 | 1088 | 74 | 32 |
| 415 | 179 | 55 | 20 | 3081 | 3117 | 25 | 3265 | 3016 | 1101 | 1066 | 80 | 31 |
| 416 | 180 | 14 | 21 | 3121 | 3137 | 48 | 3120 | 3146 | 1105 | 1086 | 68 | 48 |
| 417 | 180 | 34 | 33 | 3122 | 3122 | 33 | 3065 | 3105 | 1115 | 1108 | 74 | 33 |
| 418 | 180 | 53 | 30 | 3101 | 3117 | 33 | 2945 | 3180 | 1117 | 1098 | 68 | 32 |
| 419 | 181 | 13 | 49 | 3121 | 3077 | 40 | 3020 | 3379 | 1121 | 1110 | 86 | 33 |
| 420 | 181 | 33 | 21 | 3151 | 3137 | 20 | 3115 | 3150 | 1113 | 1110 | 80 | 33 |
| 421 | 181 | 52 | 35 | 3141 | 3117 | 48 | 3110 | 3131 | 1117 | 1104 | 75 | 36 |
| 422 | 182 | 12 | 32 | 3141 | 3137 | 46 | 8240 | 3150 | 1105 | 1090 | 90 | 31 |
| 423 | 182 | 31 | 41 | 3262 | 3117 | 33 | 3160 | 3131 | 1121 | 1102 | 80 | 33 |
| 424 | 182 | 91 | 41 | 3267 | 3172 | 21 | 3060 | 3141 | 1117 | 1096 | 80 | 32 |
| 425 | 183 | 10 | 32 | 3222 | 3152 | 33 | 3118 | 3131 | 1095 | 1094 | 74 | 32 |
| 426 | 183 | 38 | 26 | 3141 | 3137 | 20 | 3280 | 3150 | 1115 | 1095 | 74 | 34 |
| 427 | 183 | 49 | 32 | 3131 | 3142 | 32 | 3095 | 3155 | 1105 | 1088 | 74 | 33 |
| 428 | 184 | 0 | 4 | 3197 | 3197 | 32 | 3395 | 3175 | 1127 | 1120 | 108 | 33 |
| 429 | 184 | 29 | 32 | 3222 | 3087 | 34 | 3070 | 3096 | 1095 | 1084 | 62 | 32 |
| 430 | 184 | 49 | 21 | 3081 | 3112 | 41 | 3105 | 3106 | 1085 | 1080 | 66 | 26 |
| 431 | 185 | 9 | 22 | 3141 | 3132 | 24 | 3075 | 3131 | 1093 | 1078 | 68 | 32 |
| 432 | 185 | 29 | 32 | 3222 | 3087 | 42 | 3115 | 3101 | 1101 | 1070 | 54 | 32 |
| 433 | 185 | 49 | 32 | 3141 | 3082 | 31 | 3158 | 3091 | 1087 | 1073 | 64 | 32 |
| 434 | 186 | 9 | 5 | 3031 | 3067 | 49 | 3005 | 3066 | 1089 | 1069 | 30 | 29 |
| 435 | 186 | 24 | 22 | 2660 | 2660 | 26 | 3050 | 3081 | 1079 | 1067 | 64 | 27 |
| 436 | 186 | 46 | 1 | 5 | 40 | 21 | 3280 | 3081 | 38 | 20 | 52 | 37 |
| 437 | 187 | 7 | 0 | 0 | 40 | 41 | 3020 | 3091 | 34 | 22 | 58 | 32 |
| 438 | 187 | 26 | 0 | 0 | 50 | 21 | 3065 | 3056 | 44 | 20 | 34 | 35 |
| 439 | 187 | 46 | 0 | 10 | 50 | 25 | 40 | 40 | 44 | 20 | 66 | 32 |
| 440 | 189 | 34 | 0 | 0 | 60 | 25 | 3050 | 3081 | 34 | 22 | 66 | 31 |
| 441 | 191 | 7 | 0 | 10 | 50 | 0 | 40 | 34 | 10 | 0 | 20 | 1 |
| 442 | 191 | 26 | 0 | 20 | 30 | -1 | 50 | 24 | 4 | 0 | 0 | 1 |
| 443 | 191 | 46 | 0 | 5 | 10 | 0 | 10 | 39 | 10 | 4 | 16 | 1 |
| 444 | 192 | 5 | 0 | 0 | 20 | -1 | 10 | 39 | 0 | 0 | 16 | 1 |
| 445 | 193 | 56 | 0 | 0 | 25 | -1 | 10 | 24 | 4 | -10 | 16 | 1 |

| -01 SHEEP COUNT | ? 02 TIME MIN. | 2-03 TIME SEC. | 2-05 1STAGE HYD. PUMP INLET PRESS PSIG | 2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG | 2-07 1STAGE HYD. LAFT SERVO CYL.1 PSIG | 2-08 2STAGE HYD. PUMP INLET PRESS PSIG | 2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2-10 2STAGE HYD. LAFT SERVO CYL.1 PSIG | 2-11 2STAGE AFCS 1 (PITCH /ROLL CHAM) PSIG | 2-12 2STAGE AFCS 1 (COLL. /YAW CHAM) PSIG | 2-13 UTIL. HYD. AFCS 2 (P/R CHAM) PSIG | 2-14 UTIL. HYD. PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---|--|--|---|--|--|---|--|---|
| 446 | 198 | 11 | * | 0 | 10 | * | 20 | 24 | 2 | 0 | 4 | 0 |
| 447 | 198 | 31 | * | 10 | 20 | -1 | 20 | 0 | 16 | * | 4 | 0 |
| 448 | 198 | 50 | * | 0 | 40 | -1 | 40 | 24 | 0 | -10 | 4 | 0 |
| 449 | 206 | 59 | -0 | 40 | 30 | -0 | 55 | 24 | 6 | 16 | 6 | 0 |
| 450 | 207 | 18 | -0 | 25 | 30 | -0 | 29 | 29 | 18 | 50 | 6 | 0 |
| 451 | 207 | 38 | * | 20 | 50 | -0 | 40 | 24 | 20 | 2 | 10 | 0 |
| 452 | 207 | 59 | * | 25 | 10 | -0 | 40 | 24 | 20 | 20 | 6 | 0 |
| 453 | 212 | 19 | * | 50 | 30 | -0 | 50 | 14 | 22 | 0 | 4 | 0 |
| 454 | 212 | 38 | * | 20 | 15 | -0 | 40 | 29 | 22 | 40 | 20 | 0 |
| 455 | 212 | 58 | -0 | 40 | 40 | -0 | 29 | 54 | 10 | 1 | 15 | 0 |
| 456 | 213 | 17 | 0 | 50 | 50 | -0 | 58 | 54 | 4 | 6 | 6 | 0 |
| 457 | 217 | 37 | -0 | 10 | 50 | -0 | 25 | 69 | 24 | 2 | 6 | 0 |
| 458 | 217 | 57 | -0 | 50 | 45 | -1 | 50 | 39 | 18 | 6 | 6 | 0 |
| 459 | 218 | 18 | -0 | 55 | 20 | -0 | 18 | 39 | 4 | 16 | 6 | 0 |
| 460 | 222 | 35 | -0 | 20 | 50 | -1 | 35 | 54 | 28 | 6 | 14 | 0 |
| 461 | 222 | 54 | -0 | 25 | 35 | -0 | 50 | 64 | 48 | 16 | 10 | 0 |
| 462 | 223 | 14 | -0 | 50 | 40 | -0 | 50 | 49 | 20 | 6 | 20 | 0 |
| 463 | 226 | 52 | 0 | 20 | 50 | -0 | 50 | 49 | 16 | 14 | 16 | 0 |
| 464 | 227 | 12 | 0 | 40 | 20 | -0 | 55 | 49 | 16 | 14 | 16 | 0 |
| 465 | 227 | 31 | -0 | 10 | 50 | 0 | 40 | 49 | 28 | 4 | 16 | 0 |
| 466 | 231 | 18 | 0 | 50 | 50 | -0 | 40 | 109 | 26 | 16 | 28 | 1 |
| 467 | 231 | 29 | 0 | 15 | 55 | -0 | 55 | 69 | 22 | 10 | 22 | 0 |
| 468 | 231 | 47 | 0 | 50 | 55 | -0 | 60 | 69 | 22 | 22 | 20 | 0 |
| 469 | 235 | 27 | 0 | 25 | 65 | -0 | 108 | 88 | 38 | 22 | 20 | 0 |
| 470 | 235 | 46 | 0 | 55 | 50 | -0 | 30 | 88 | 38 | 6 | 10 | 0 |
| 471 | 236 | 6 | 0 | 50 | 15 | 0 | 30 | 74 | 38 | 24 | 16 | 1 |
| 472 | 239 | 43 | -0 | 55 | 50 | 0 | 35 | 59 | 20 | 0 | 16 | 1 |
| 473 | 240 | 3 | 0 | 40 | 55 | -0 | 55 | 39 | 40 | 16 | 20 | 0 |
| 474 | 240 | 22 | -0 | 50 | 40 | -0 | 55 | 69 | 24 | 4 | 18 | 0 |
| 475 | 243 | 59 | 0 | 25 | 55 | -0 | 50 | 74 | 24 | 16 | 20 | 0 |
| 476 | 244 | 18 | 0 | 35 | 55 | -0 | 65 | 69 | 30 | 16 | 28 | 0 |
| 477 | 244 | 38 | 0 | 58 | 50 | 0 | 50 | 54 | 28 | 16 | 22 | 0 |
| 478 | 248 | 15 | -0 | 50 | 50 | -0 | 30 | 54 | 48 | 24 | 16 | 1 |
| 479 | 248 | 34 | 0 | 70 | 25 | -0 | 35 | 69 | 22 | 10 | 4 | 0 |
| 480 | 248 | 53 | -0 | 70 | 50 | -0 | 55 | 69 | 28 | 16 | 20 | 0 |
| 481 | | | * | | | * | | | | | | * |

MH-52C S/N 68-10354
 ARCTIC TEST
 9 JANUARY 1971
 RUN NO. 2

-40 DEG C / -40 DEG F

| SWEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-15 | | | 2-16 | | | 2-17 | | | 2-18 | | |
|----------------|----------------------|----------------------|--|-----------------------------------|-----------------------------------|---|--|--|--|--|--|------|--|--|
| | | | UTIL. HYD. PUMP OUTLET PRESS PSIG | ROTARY RUDDER INLET PSIG | ROTARY RUDDER INLET PSIG | 1STAGE HYD. ROTARY RUDDER INLET PSIG | UTIL. HYD. ROTARY RUDDER INLET PSIG | UTIL. HYD. ROTARY RUDDER INLET PSIG | NO.1 MAIN WHEEL BRACE RETURN PSIG | NO.1 MAIN WHEEL BRACE RETURN PSIG | | | | |
| 1 | 0 | 0 | 50 | 24 | 20 | 3 | | | | | | | | |
| 2 | 0 | 17 | 50 | 28 | 14 | 3 | | | | | | | | |
| 3 | 0 | 37 | 60 | 26 | 26 | 3 | | | | | | | | |
| 4 | 0 | 57 | 35 | 18 | 20 | 2 | | | | | | | | |
| 5 | 1 | 17 | 50 | 20 | 16 | 3 | | | | | | | | |
| 6 | 1 | 37 | 50 | 20 | 22 | 3 | | | | | | | | |
| 7 | 1 | 57 | 50 | 20 | 22 | 3 | | | | | | | | |
| 8 | 2 | 17 | 70 | 20 | 14 | 1 | | | | | | | | |
| 9 | 2 | 37 | 55 | 24 | 24 | 3 | | | | | | | | |
| 10 | 2 | 57 | 50 | 20 | 14 | 3 | | | | | | | | |
| 11 | 3 | 17 | 15 | 20 | 20 | 3 | | | | | | | | |
| 12 | 3 | 37 | 51 | 14 | 12 | 4 | | | | | | | | |
| 13 | 3 | 57 | 55 | 24 | 14 | 3 | | | | | | | | |
| 14 | 4 | 17 | 40 | 26 | 22 | 3 | | | | | | | | |
| 15 | 4 | 37 | 50 | 10 | 16 | 3 | | | | | | | | |
| 16 | 4 | 57 | 60 | 24 | 20 | 3 | | | | | | | | |
| 17 | 5 | 17 | 50 | 22 | 20 | 4 | | | | | | | | |
| 18 | 5 | 38 | 40 | 20 | 20 | 3 | | | | | | | | |
| 19 | 5 | 58 | 55 | 20 | 20 | 4 | | | | | | | | |
| 20 | 6 | 10 | 50 | 22 | 4 | 4 | | | | | | | | |
| 21 | 6 | 38 | 55 | 14 | 24 | 3 | | | | | | | | |
| 22 | 6 | 58 | 40 | 10 | 20 | 4 | | | | | | | | |
| 23 | 7 | 18 | 55 | 26 | 24 | 1 | | | | | | | | |
| 24 | 7 | 38 | 55 | 20 | 26 | 3 | | | | | | | | |
| 25 | 7 | 58 | 65 | 24 | 22 | 0 | | | | | | | | |
| 26 | 8 | 18 | 70 | 16 | 22 | 2 | | | | | | | | |
| 27 | 8 | 39 | 20 | 16 | 22 | 2 | | | | | | | | |
| 28 | 8 | 59 | 50 | 20 | 10 | 2 | | | | | | | | |
| 29 | 9 | 19 | 50 | 20 | 22 | 3 | | | | | | | | |
| 30 | 9 | 39 | 55 | 16 | 26 | 3 | | | | | | | | |
| 31 | 9 | 59 | 40 | 22 | 4 | 4 | | | | | | | | |
| 32 | 12 | 23 | 5 | 0 | 4 | 3 | | | | | | | | |
| 33 | 16 | 58 | 10 | 8 | 4 | 2 | | | | | | | | |
| 34 | 17 | 19 | 10 | 6 | 2 | 2 | | | | | | | | |
| 35 | 17 | 39 | 10 | 4 | 2 | 0 | | | | | | | | |
| 36 | 21 | 28 | 0 | 4 | 6 | 0 | | | | | | | | |
| 37 | 21 | 48 | 0 | 2 | -2 | 1 | | | | | | | | |
| 38 | 22 | 8 | 5 | 0 | -10 | 0 | | | | | | | | |
| 39 | 22 | 29 | 0 | 2 | 0 | 1 | | | | | | | | |
| 40 | 23 | 18 | 0 | 0 | 0 | 1 | | | | | | | | |
| 41 | 23 | 39 | 10 | -4 | -4 | 1 | | | | | | | | |
| 42 | 23 | 59 | 5 | 2 | 0 | 0 | | | | | | | | |
| 43 | 24 | 20 | 3090 | 2 | 1204 | 21 | | | | | | | | |
| 44 | 24 | 40 | 3045 | 2 | 1304 | 23 | | | | | | | | |
| 45 | 25 | 1 | 3050 | 4 | 1120 | 24 | | | | | | | | |

| 01 SHEEP COUNT | 1-02 TIME MIN. | 2-03 TIME SEC. | 2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG | 2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG | 2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG | 2-18 NO.1 MAIN WHEEL BRAKE RETURN PSIG |
|----------------------|----------------------|----------------------|--|---|--|--|
| 46 | 25 | 21 | 3080 | 0 | 1320 | 24 |
| 47 | 25 | 42 | 3080 | 0 | 1220 | 24 |
| 48 | 26 | 2 | 3065 | 0 | 1330 | 24 |
| 49 | 26 | 23 | 3095 | -2 | 1280 | 27 |
| 50 | 26 | 43 | 3137 | 0 | 1336 | 28 |
| 51 | 27 | 3 | 3091 | 0 | 1400 | 29 |
| 52 | 29 | 5 | 3085 | -4 | 1426 | 31 |
| 53 | 30 | 5 | 3136 | 0 | 1420 | 33 |
| 54 | 30 | 26 | 3131 | 0 | 1428 | 34 |
| 55 | 34 | 26 | 3091 | -6 | 1440 | 33 |
| 56 | 34 | 47 | 3065 | -8 | 1448 | 37 |
| 57 | 35 | 8 | 3060 | 4 | 1448 | 35 |
| 58 | 35 | 28 | 3120 | 0 | 1434 | 34 |
| 59 | 38 | 56 | 3055 | -6 | 1440 | 31 |
| 60 | 39 | 17 | 3080 | -6 | 1442 | 31 |
| 61 | 39 | 38 | 3151 | 4 | 1434 | 38 |
| 62 | 39 | 4 | 3085 | 4 | 1440 | 31 |
| 63 | 43 | 26 | 3070 | 0 | 1456 | 31 |
| 64 | 43 | 47 | 3131 | 0 | 1444 | 33 |
| 65 | 44 | 8 | 3180 | 0 | 1444 | 33 |
| 66 | 44 | 28 | 3180 | 2 | 1444 | 33 |
| 67 | 47 | 57 | 3110 | 0 | 1446 | 31 |
| 68 | 52 | 27 | 3090 | 0 | 1444 | 31 |
| 69 | 52 | 47 | 3151 | 0 | 1448 | 32 |
| 70 | 53 | 7 | 3136 | 2 | 1444 | 38 |
| 71 | 53 | 8 | 3131 | 8 | 1444 | 8 |
| 72 | 53 | 50 | 3131 | 8 | 1444 | 30 |
| 73 | 54 | 11 | 3262 | 8 | 1456 | 38 |
| 74 | 54 | 31 | 3047 | 4 | 1456 | 37 |
| 75 | 54 | 52 | 3080 | 7 | 1456 | 34 |
| 76 | 55 | 13 | 3088 | -5 | 1448 | 34 |
| 77 | 55 | 36 | 3136 | 2 | 1434 | 36 |
| 78 | 55 | 55 | 3091 | 2 | 1430 | 33 |
| 79 | 56 | 16 | 3090 | 2 | 1456 | 34 |
| 80 | 56 | 37 | 3120 | 4 | 1458 | 33 |
| 81 | 56 | 57 | 3120 | 4 | 1450 | 36 |
| 82 | 57 | 18 | 3045 | -6 | 1468 | 35 |
| 83 | 57 | 39 | 3131 | 2 | 1464 | 34 |
| 84 | 57 | 59 | 3050 | 12 | 1464 | 35 |
| 85 | 58 | 20 | 2999 | 4 | 1462 | 35 |
| 86 | 58 | 48 | 3060 | 4 | 1462 | 36 |
| 87 | 59 | 1 | 3080 | -6 | 1464 | 36 |
| 88 | 59 | 22 | 3014 | -8 | 1464 | 35 |
| 89 | 59 | 42 | 3100 | 8 | 1462 | 36 |
| 90 | 60 | 3 | 3065 | 6 | 1450 | 34 |
| 91 | 60 | 24 | 3035 | 16 | 1450 | 36 |
| 92 | 60 | 44 | 3065 | -6 | 1460 | 34 |
| 93 | 61 | 5 | 3121 | 8 | 1464 | 34 |
| 94 | 61 | 25 | 3061 | 20 | 1464 | 36 |
| 95 | 61 | 46 | 3080 | 8 | 1443 | 36 |

| -01 SWEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-15 | | | 2-16 | | | 2-17 | | | 2-18 | | |
|-----------------------|----------------------|----------------------|---------------|---------------|------|----------------|---------------------------|------|---------------|---------------------------|------|--|------|--|
| | | | UTIL. HYD. | PUMP PRESS | PSIG | 1STAGE HYD. | ROTARY RUDDER INLET | PSIG | UTIL. HYD. | ROTARY RUDDER INLET | PSIG | NO.1 MAIN WHEEL BRAKE RETURN | PSIG | |
| 96 | 62 | 5 | 3035 | | | -2 | | | 1444 | | | 34 | | |
| 97 | 62 | 27 | 3090 | | | 2 | | | 1464 | | | 35 | | |
| 98 | 62 | 48 | 3070 | | | 0 | | | 1450 | | | 36 | | |
| 99 | 63 | 8 | 3090 | | | 2 | | | 1454 | | | 35 | | |
| 100 | 63 | 29 | 3100 | | | 4 | | | 1450 | | | 37 | | |
| 101 | 63 | 49 | 3070 | | | 4 | | | 1450 | | | 36 | | |
| 102 | 64 | 18 | 3035 | | | 2 | | | 1458 | | | 36 | | |
| 103 | 64 | 30 | 3090 | | | 0 | | | 1450 | | | 36 | | |
| 104 | 64 | 51 | 2999 | | | 2 | | | 1456 | | | 41 | | |
| 105 | 65 | 11 | 3040 | | | -2 | | | 1460 | | | 41 | | |
| 106 | 65 | 32 | 3085 | | | 0 | | | 1458 | | | 37 | | |
| 107 | 65 | 53 | 3035 | | | 0 | | | 1456 | | | 39 | | |
| 108 | 66 | 13 | 3040 | | | 2 | | | 1452 | | | 42 | | |
| 109 | 66 | 34 | 3141 | | | 6 | | | 1450 | | | 35 | | |
| 110 | 66 | 54 | 3121 | | | 0 | | | 1464 | | | 36 | | |
| 111 | 67 | 15 | 3120 | | | 8 | | | 1470 | | | 36 | | |
| 112 | 67 | 36 | 3232 | | | 16 | | | 1468 | | | 38 | | |
| 113 | 67 | 56 | 3060 | | | 10 | | | 1468 | | | 35 | | |
| 114 | 68 | 17 | 3085 | | | 6 | | | 1476 | | | 35 | | |
| 115 | 68 | 38 | 3085 | | | 4 | | | 1476 | | | 40 | | |
| 116 | 68 | 59 | 3121 | | | 4 | | | 1462 | | | 39 | | |
| 117 | 69 | 28 | 3174 | | | 1505 | | | 1464 | | | 35 | | |
| 118 | 69 | 40 | 3120 | | | 1492 | | | 1462 | | | 36 | | |
| 119 | 70 | 1 | 3060 | | | 1523 | | | 1466 | | | 36 | | |
| 120 | 70 | 22 | 3131 | | | 1519 | | | 1476 | | | 36 | | |
| 121 | 70 | 42 | 3131 | | | 1517 | | | 1476 | | | 36 | | |
| 122 | 71 | 3 | 3131 | | | 1519 | | | 1476 | | | 36 | | |
| 123 | 71 | 23 | 3080 | | | 1523 | | | 1470 | | | 36 | | |
| 124 | 71 | 44 | 3080 | | | 1529 | | | 1466 | | | 36 | | |
| 125 | 72 | 4 | 3120 | | | 1533 | | | 1468 | | | 37 | | |
| 126 | 72 | 25 | 3089 | | | 1529 | | | 1462 | | | 36 | | |
| 127 | 72 | 45 | 3141 | | | 1523 | | | 1472 | | | 36 | | |
| 128 | 73 | 6 | 3125 | | | 1529 | | | 1476 | | | 34 | | |
| 129 | 73 | 26 | 3171 | | | 1537 | | | 1476 | | | 34 | | |
| 130 | 73 | 47 | 3050 | | | 1519 | | | 1466 | | | 41 | | |
| 131 | 74 | 7 | 3131 | | | 1537 | | | 1464 | | | 40 | | |
| 132 | 74 | 28 | 3120 | | | 1529 | | | 1468 | | | 36 | | |
| 133 | 74 | 48 | 3075 | | | 1535 | | | 1466 | | | 36 | | |
| 134 | 75 | 9 | 3146 | | | 1527 | | | 1480 | | | 37 | | |
| 135 | 75 | 29 | 3095 | | | 1535 | | | 1468 | | | 36 | | |
| 136 | 75 | 49 | 3065 | | | 1525 | | | 1480 | | | 37 | | |
| 137 | 76 | 10 | 3131 | | | 1521 | | | 1470 | | | 35 | | |
| 138 | 76 | 30 | 3080 | | | 1529 | | | 1468 | | | 36 | | |
| 139 | 76 | 51 | 3080 | | | 1533 | | | 1472 | | | 36 | | |
| 140 | 77 | 11 | 3105 | | | 1529 | | | 1476 | | | 36 | | |
| 141 | 77 | 32 | 3101 | | | 1519 | | | 1476 | | | 36 | | |
| 142 | 77 | 52 | 3131 | | | 1533 | | | 1466 | | | 36 | | |
| 143 | 78 | 12 | 3120 | | | 1529 | | | 1470 | | | 37 | | |
| 144 | 78 | 32 | 3161 | | | 1535 | | | 1476 | | | 38 | | |
| 145 | 78 | 49 | 3120 | | | 1529 | | | 1476 | | | 36 | | |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 2-03 TIME SEC. | 2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG | 2-15 STAGE HYD. ROTARY RUDDER INLET PSIG | 2-17 UTIL. HYD. POWERY RUDDER INLET PSIG | 2-18 NO.1 MAIN WHEEL BRAKE RETURN PSIG |
|-----------------------|----------------------|----------------------|--|--|--|--|
| 146 | 79 | 13 | 3100 | 1527 | 1476 | 38 |
| 147 | 79 | 33 | 3095 | 1537 | 1472 | 38 |
| 148 | 79 | 53 | 3100 | 1529 | 1470 | 38 |
| 149 | 80 | 13 | 3120 | 1529 | 1450 | 36 |
| 150 | 80 | 34 | 3065 | 1521 | 1482 | 39 |
| 151 | 80 | 55 | 3156 | 1537 | 1474 | 37 |
| 152 | 81 | 15 | 3161 | 1537 | 1460 | 39 |
| 153 | 81 | 35 | 3095 | 1523 | 1454 | 34 |
| 154 | 81 | 56 | 3000 | 1515 | 1454 | 36 |
| 155 | 82 | 16 | 3045 | 1521 | 1486 | 36 |
| 156 | 82 | 36 | 3232 | 1511 | 1478 | 37 |
| 157 | 82 | 57 | 3141 | 1529 | 1464 | 36 |
| 158 | 83 | 17 | 3134 | 1541 | 1472 | 37 |
| 159 | 83 | 37 | 3187 | 1521 | 1474 | 40 |
| 160 | 83 | 57 | 3141 | 1527 | 1486 | 39 |
| 161 | 84 | 18 | 3030 | 1523 | 1462 | 37 |
| 162 | 84 | 38 | 3181 | 1539 | 1472 | 36 |
| 163 | 84 | 58 | 3045 | 1527 | 1472 | 38 |
| 164 | 85 | 18 | 3232 | 1531 | 1456 | 39 |
| 165 | 85 | 39 | 3154 | 1533 | 1482 | 38 |
| 166 | 85 | 59 | 3131 | 1535 | 1452 | 38 |
| 167 | 86 | 19 | 3070 | 1513 | 1450 | 36 |
| 168 | 86 | 39 | 3110 | 1545 | 1456 | 37 |
| 169 | 87 | 0 | 3282 | 1533 | 1466 | 33 |
| 170 | 87 | 20 | 3060 | 1519 | 1462 | 36 |
| 171 | 87 | 40 | 3120 | 1547 | 1476 | 38 |
| 172 | 88 | 0 | 3120 | 1527 | 1478 | 33 |
| 173 | 88 | 21 | 3131 | 1547 | 1460 | 39 |
| 174 | 88 | 41 | 3185 | 1533 | 1468 | 40 |
| 175 | 89 | 1 | 3161 | 1553 | 1476 | 42 |
| 176 | 89 | 21 | 3045 | 1541 | 1480 | 41 |
| 177 | 89 | 42 | 3181 | 1541 | 1474 | 37 |
| 178 | 90 | 2 | 3095 | 1537 | 1480 | 36 |
| 179 | 90 | 22 | 3120 | 1527 | 1474 | 39 |
| 180 | 90 | 42 | 3136 | 1533 | 1470 | 39 |
| 181 | 91 | 3 | 3171 | 1543 | 1476 | 39 |
| 182 | 91 | 23 | 3185 | 1521 | 1468 | 38 |
| 183 | 91 | 43 | 3102 | 1533 | 1476 | 36 |
| 184 | 92 | 3 | 3146 | 1527 | 1468 | 39 |
| 185 | 92 | 23 | 3181 | 1545 | 1478 | 38 |
| 186 | 92 | 44 | 3090 | 1543 | 1488 | 39 |
| 187 | 93 | 4 | 3136 | 1535 | 1476 | 38 |
| 188 | 93 | 24 | 3141 | 1539 | 1474 | 39 |
| 189 | 93 | 44 | 3181 | 1541 | 1488 | 39 |
| 190 | 94 | 4 | 3232 | 1527 | 1484 | 41 |
| 191 | 94 | 25 | 3141 | 1537 | 1488 | 40 |
| 192 | 94 | 45 | 3075 | 1533 | 1480 | 42 |
| 193 | 95 | 5 | 3141 | 1531 | 1462 | 36 |
| 194 | 95 | 25 | 3125 | 1527 | 1478 | 40 |
| 195 | 95 | 46 | 3090 | 1543 | 1488 | 39 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 2-03 TIME SEC. | 2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG | 2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG | 2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG | 2-18 NO.1 MAIN WHEEL BRAKE RETURN PSIG |
|-----------------------|----------------------|----------------------|--|---|--|--|
| 196 | 96 | 6 | 3090 | 1547 | 1476 | 39 |
| 197 | 96 | 26 | 3100 | 1551 | 1484 | 38 |
| 198 | 96 | 46 | 3161 | 1549 | 1480 | 39 |
| 199 | 97 | 6 | 3146 | 1541 | 1478 | 38 |
| 200 | 97 | 27 | 3136 | 1533 | 1476 | 39 |
| 201 | 97 | 47 | 3136 | 1537 | 1482 | 40 |
| 202 | 97 | 7 | 3180 | 1535 | 1480 | 40 |
| 203 | 98 | 27 | 3186 | 1545 | 1480 | 39 |
| 204 | 98 | 47 | 3215 | 1543 | 1480 | 39 |
| 205 | 99 | 8 | 3281 | 1537 | 1464 | 39 |
| 206 | 99 | 28 | 3191 | 1541 | 1480 | 39 |
| 207 | 99 | 48 | 3095 | 1533 | 1484 | 38 |
| 208 | 100 | 9 | 3151 | 1547 | 1468 | 40 |
| 209 | 100 | 29 | 3121 | 1533 | 1468 | 39 |
| 210 | 100 | 49 | 3156 | 1535 | 1488 | 39 |
| 211 | 101 | 9 | 3221 | 1533 | 1468 | 42 |
| 212 | 101 | 30 | 3151 | 1535 | 1482 | 40 |
| 213 | 101 | 50 | 3171 | 1537 | 1482 | 42 |
| 214 | 102 | 10 | 3131 | 1537 | 1470 | 36 |
| 215 | 102 | 30 | 3141 | 1533 | 1498 | 39 |
| 216 | 102 | 51 | 3136 | 1547 | 1488 | 40 |
| 217 | 103 | 11 | 3166 | 1543 | 1484 | 39 |
| 218 | 103 | 31 | 3131 | 1549 | 1486 | 40 |
| 219 | 103 | 51 | 3226 | 1551 | 1486 | 38 |
| 220 | 104 | 12 | 3141 | 1533 | 1486 | 40 |
| 221 | 104 | 32 | 3121 | 1515 | 1476 | 40 |
| 222 | 104 | 52 | 3166 | 1533 | 1484 | 39 |
| 223 | 105 | 13 | 3110 | 1547 | 1484 | 48 |
| 224 | 105 | 33 | 3136 | 1537 | 1486 | 40 |
| 225 | 105 | 53 | 3181 | 1533 | 1482 | 39 |
| 226 | 106 | 13 | 3171 | 1545 | 1488 | 39 |
| 227 | 106 | 33 | 3242 | 1539 | 1488 | 39 |
| 228 | 106 | 54 | 3161 | 1537 | 1482 | 40 |
| 229 | 107 | 14 | 3166 | 1549 | 1486 | 39 |
| 230 | 107 | 34 | 3115 | 1543 | 1480 | 40 |
| 231 | 107 | 54 | 3171 | 1535 | 1480 | 39 |
| 232 | 108 | 14 | 3171 | 1543 | 1482 | 40 |
| 233 | 108 | 34 | 3176 | 1547 | 1480 | 39 |
| 234 | 108 | 55 | 3181 | 1543 | 1484 | 39 |
| 235 | 109 | 15 | 3156 | 1547 | 1480 | 39 |
| 236 | 109 | 35 | 3151 | 1543 | 1468 | 39 |
| 237 | 109 | 55 | 3156 | 1543 | 1484 | 39 |
| 238 | 110 | 15 | 3136 | 1535 | 1486 | 39 |
| 239 | 110 | 35 | 3151 | 1547 | 1482 | 40 |
| 240 | 110 | 55 | 3161 | 1549 | 1486 | 39 |
| 241 | 111 | 15 | 3242 | 1539 | 1486 | 38 |
| 242 | 111 | 35 | 3095 | 1537 | 1486 | 40 |
| 243 | 111 | 55 | 3156 | 1537 | 1480 | 38 |
| 244 | 112 | 15 | 3201 | 1541 | 1484 | 39 |
| 245 | 112 | 35 | 3171 | 1539 | 1484 | 40 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 2-03 TIME SEC. | 2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG | 2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG | 2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG | 2-18 NO.1 MAIN WHEEL BRAKE RETURN PSIG |
|-----------------------|----------------------|----------------------|--|---|--|--|
| 246 | 112 | 55 | 3166 | 1549 | 1486 | 40 |
| 247 | 113 | 16 | 3201 | 1555 | 1490 | 38 |
| 248 | 113 | 36 | 3151 | 1533 | 1486 | 39 |
| 249 | 113 | 56 | 3232 | 1543 | 1482 | 38 |
| 250 | 114 | 16 | 3146 | 1549 | 1494 | 40 |
| 251 | 114 | 36 | 3207 | 1645 | 1482 | 39 |
| 252 | 114 | 56 | 3252 | 1553 | 1484 | 40 |
| 253 | 115 | 16 | 3186 | 1545 | 1488 | 48 |
| 254 | 115 | 36 | 3120 | 1549 | 1490 | 40 |
| 255 | 115 | 56 | 3151 | 1553 | 1488 | 39 |
| 256 | 116 | 16 | 3186 | 1549 | 1486 | 39 |
| 257 | 116 | 36 | 3120 | 1539 | 1492 | 39 |
| 258 | 116 | 56 | 3196 | 1543 | 1486 | 39 |
| 259 | 117 | 16 | 3156 | 1547 | 1482 | 39 |
| 260 | 117 | 36 | 3237 | 1543 | 1484 | 39 |
| 261 | 117 | 56 | 3186 | 1543 | 1489 | 39 |
| 262 | 118 | 16 | 3181 | 1551 | 1488 | 39 |
| 263 | 118 | 36 | 3141 | 1555 | 1496 | 39 |
| 264 | 118 | 56 | 3281 | 1547 | 1488 | 36 |
| 265 | 119 | 16 | 3176 | 1547 | 1488 | 39 |
| 266 | 119 | 36 | 3141 | 1543 | 1488 | 39 |
| 267 | 119 | 56 | 3181 | 1543 | 1486 | 39 |
| 268 | 120 | 16 | 3176 | 1539 | 1482 | 38 |
| 269 | 120 | 36 | 3186 | 1541 | 1482 | 38 |
| 270 | 120 | 56 | 3085 | 1523 | 1468 | 38 |
| 271 | 121 | 16 | 3141 | 1543 | 1476 | 36 |
| 272 | 121 | 36 | 3128 | 1533 | 1474 | 38 |
| 273 | 121 | 57 | 3136 | 1535 | 1466 | 36 |
| 274 | 122 | 17 | 3216 | 1549 | 1476 | 39 |
| 275 | 122 | 37 | 3136 | 1527 | 1470 | 39 |
| 276 | 122 | 58 | 3141 | 1537 | 1464 | 36 |
| 277 | 123 | 18 | 3181 | 1535 | 1476 | 35 |
| 278 | 123 | 38 | 3125 | 1533 | 1470 | 38 |
| 279 | 123 | 58 | 3131 | 1529 | 1468 | 38 |
| 280 | 124 | 19 | 3141 | 1523 | 1460 | 33 |
| 281 | 124 | 39 | 3136 | 1499 | 1454 | 34 |
| 282 | 125 | 0 | 3131 | 1523 | 1448 | 36 |
| 283 | 125 | 21 | 3136 | 1521 | 1458 | 36 |
| 284 | 125 | 41 | 3081 | 1513 | 1462 | 33 |
| 285 | 126 | 2 | 3065 | 1521 | 1450 | 33 |
| 286 | 126 | 22 | 3085 | 1517 | 1450 | 36 |
| 287 | 126 | 43 | 3131 | 1533 | 1460 | 35 |
| 288 | 127 | 3 | 3061 | 1517 | 1460 | 36 |
| 289 | 127 | 24 | 3100 | 1529 | 1448 | 36 |
| 290 | 127 | 45 | 3085 | 1523 | 1456 | 36 |
| 291 | 128 | 5 | 3186 | 1517 | 1450 | 36 |
| 292 | 128 | 26 | 3035 | 1523 | 1446 | 36 |
| 293 | 128 | 46 | 3065 | 1523 | 1452 | 36 |
| 294 | 129 | 7 | 3131 | 1515 | 1450 | 36 |
| 295 | 129 | 27 | 3161 | 1521 | 1456 | 36 |

| -01 SHEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-15 | | | | 2-16 | | | | 2-17 | | | | 2-18 | | | |
|-----------------------|----------------------|----------------------|---------------|----------------|---------------|------|----------------|------------------|---------------|--|---------------|------------------|---------------|--|--|--|--|--|
| | | | UTIL. HYD. | PUMP OUTLET | PRESS PSIG | | 1STAGE HYD. | ROTARY RUDDER | INLET PSIG | | UTIL. HYD. | ROTARY RUDDER | INLET PSIG | | NO.1 MAIN WHEEL BRAKE RETURN PSIG | | | |
| 296 | 129 | 49 | 3075 | | | 1521 | | | 1446 | | | 35 | | | | | | |
| 297 | 130 | 0 | 3125 | | | 1521 | | | 1444 | | | 35 | | | | | | |
| 298 | 130 | 29 | 3133 | | | 1525 | | | 1440 | | | 36 | | | | | | |
| 299 | 130 | 49 | 3100 | | | 1529 | | | 1468 | | | 36 | | | | | | |
| 300 | 131 | 10 | 3080 | | | 1513 | | | 1454 | | | 36 | | | | | | |
| 301 | 131 | 30 | 3090 | | | 1529 | | | 1460 | | | 34 | | | | | | |
| 302 | 131 | 51 | 3181 | | | 1505 | | | 1450 | | | 36 | | | | | | |
| 303 | 132 | 11 | 3080 | | | 1515 | | | 1452 | | | 35 | | | | | | |
| 304 | 132 | 32 | 3181 | | | 1515 | | | 1450 | | | 36 | | | | | | |
| 305 | 132 | 52 | 3095 | | | 1529 | | | 1460 | | | 38 | | | | | | |
| 306 | 133 | 13 | 3120 | | | 1519 | | | 1450 | | | 39 | | | | | | |
| 307 | 133 | 33 | 3070 | | | 1523 | | | 1460 | | | 36 | | | | | | |
| 308 | 133 | 54 | 3136 | | | 1517 | | | 1452 | | | 33 | | | | | | |
| 309 | 134 | 14 | 3141 | | | 1523 | | | 1454 | | | 36 | | | | | | |
| 310 | 134 | 35 | 3080 | | | 1513 | | | 1448 | | | 35 | | | | | | |
| 311 | 134 | 55 | 3095 | | | 1535 | | | 1464 | | | 36 | | | | | | |
| 312 | 135 | 15 | 3242 | | | 1537 | | | 1472 | | | 39 | | | | | | |
| 313 | 135 | 35 | 3120 | | | 1539 | | | 1466 | | | 36 | | | | | | |
| 314 | 135 | 55 | 3105 | | | 1543 | | | 1480 | | | 39 | | | | | | |
| 315 | 136 | 15 | 3153 | | | 1549 | | | 1476 | | | 39 | | | | | | |
| 316 | 136 | 35 | 3161 | | | 1549 | | | 1470 | | | 39 | | | | | | |
| 317 | 136 | 55 | 3141 | | | 1543 | | | 1476 | | | 39 | | | | | | |
| 318 | 137 | 15 | 3141 | | | 1533 | | | 1470 | | | 39 | | | | | | |
| 319 | 137 | 35 | 3136 | | | 1531 | | | 1468 | | | 37 | | | | | | |
| 320 | 137 | 55 | 3120 | | | 1535 | | | 1484 | | | 38 | | | | | | |
| 321 | 138 | 15 | 3151 | | | 1549 | | | 1480 | | | 39 | | | | | | |
| 322 | 138 | 35 | 3151 | | | 1541 | | | 1474 | | | 39 | | | | | | |
| 323 | 138 | 55 | 3100 | | | 1537 | | | 1476 | | | 37 | | | | | | |
| 324 | 139 | 16 | 3161 | | | 1535 | | | 1470 | | | 39 | | | | | | |
| 325 | 139 | 36 | 3110 | | | 1533 | | | 1470 | | | 40 | | | | | | |
| 326 | 139 | 56 | 3125 | | | 1539 | | | 1474 | | | 37 | | | | | | |
| 327 | 140 | 16 | 3136 | | | 1539 | | | 1472 | | | 39 | | | | | | |
| 328 | 140 | 36 | 2929 | | | 1553 | | | 1484 | | | 41 | | | | | | |
| 329 | 140 | 56 | 3147 | | | 1541 | | | 1480 | | | 35 | | | | | | |
| 330 | 141 | 15 | 3160 | | | 1559 | | | 1480 | | | 35 | | | | | | |
| 331 | 141 | 35 | 3230 | | | 1533 | | | 1472 | | | 32 | | | | | | |
| 332 | 141 | 55 | 3230 | | | 1547 | | | 1496 | | | 32 | | | | | | |
| 333 | 142 | 15 | 3232 | | | 1553 | | | 1492 | | | 33 | | | | | | |
| 334 | 142 | 35 | 3161 | | | 1557 | | | 1488 | | | 31 | | | | | | |
| 335 | 142 | 54 | 3242 | | | 1555 | | | 1490 | | | 33 | | | | | | |
| 336 | 143 | 14 | 3181 | | | 1553 | | | 1482 | | | 38 | | | | | | |
| 337 | 143 | 34 | 3160 | | | 1541 | | | 1480 | | | 32 | | | | | | |
| 338 | 143 | 54 | 3171 | | | 1553 | | | 1480 | | | 32 | | | | | | |
| 339 | 144 | 13 | 3181 | | | 1543 | | | 1482 | | | 31 | | | | | | |
| 340 | 144 | 33 | 3181 | | | 1557 | | | 1494 | | | 32 | | | | | | |
| 341 | 144 | 53 | 3200 | | | 1553 | | | 1486 | | | 33 | | | | | | |
| 342 | 145 | 13 | 3242 | | | 1549 | | | 1486 | | | 30 | | | | | | |
| 343 | 145 | 33 | 3166 | | | 1551 | | | 1480 | | | 31 | | | | | | |
| 344 | 145 | 53 | 3141 | | | 1543 | | | 1490 | | | 31 | | | | | | |
| 345 | 146 | 12 | 3161 | | | 1543 | | | 1474 | | | 33 | | | | | | |

| -01 SLEEP COUNT | 1-02 TIME - LN. | 2-03 TIME SEC. | 2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG | 2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG | 2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG | 2-18 NO.1 MAIN HMEEL BRAKE RETURN PSIG |
|-----------------------|-----------------------|----------------------|--|---|--|--|
| 346 | 146 | 32 | 3105 | 1553 | 1470 | 33 |
| 347 | 146 | 52 | 3121 | 1531 | 1476 | 33 |
| 348 | 147 | 12 | 3181 | 1541 | 1466 | 32 |
| 349 | 147 | 32 | 3221 | 1539 | 1470 | 33 |
| 350 | 147 | 51 | 3115 | 1537 | 1476 | 33 |
| 351 | 148 | 11 | 3232 | 1539 | 1478 | 33 |
| 352 | 148 | 31 | 3115 | 1541 | 1480 | 32 |
| 353 | 148 | 51 | 3191 | 1545 | 1468 | 33 |
| 354 | 148 | 11 | 3232 | 1553 | 1476 | 30 |
| 355 | 149 | 30 | 3151 | 1557 | 1474 | 32 |
| 356 | 149 | 50 | 3151 | 1545 | 1466 | 32 |
| 357 | 150 | 10 | 3186 | 1545 | 1474 | 32 |
| 358 | 150 | 30 | 3131 | 1543 | 1476 | 30 |
| 359 | 150 | 50 | 3161 | 1557 | 1478 | 30 |
| 360 | 151 | 9 | 3166 | 1539 | 1470 | 30 |
| 361 | 151 | 29 | 3115 | 1545 | 1480 | 33 |
| 362 | 151 | 49 | 3191 | 1539 | 1474 | 33 |
| 363 | 152 | 9 | 3164 | 1547 | 1470 | 32 |
| 364 | 152 | 28 | 3141 | 1541 | 1488 | 33 |
| 365 | 152 | 48 | 3237 | 1535 | 1474 | 30 |
| 366 | 153 | 8 | 3115 | 1547 | 1484 | 32 |
| 367 | 153 | 28 | 3181 | 1543 | 1474 | 33 |
| 368 | 153 | 47 | 3214 | 1533 | 1482 | 35 |
| 369 | 154 | 7 | 3232 | 1555 | 1480 | 33 |
| 370 | 154 | 27 | 3242 | 1545 | 1462 | 33 |
| 371 | 154 | 47 | 3171 | 1543 | 1484 | 33 |
| 372 | 155 | 6 | 3191 | 1538 | 1478 | 33 |
| 373 | 155 | 26 | 3141 | 1549 | 1466 | 35 |
| 374 | 155 | 46 | 3171 | 1543 | 1484 | 32 |
| 375 | 156 | 6 | 3232 | 1533 | 1480 | 35 |
| 376 | 156 | 25 | 3171 | 1537 | 1482 | 33 |
| 377 | 156 | 45 | 3221 | 1555 | 1480 | 34 |
| 378 | 157 | 5 | 3151 | 1539 | 1482 | 33 |
| 379 | 157 | 24 | 3131 | 1547 | 1482 | 35 |
| 380 | 157 | 44 | 3181 | 1561 | 1462 | 33 |
| 381 | 158 | 4 | 3166 | 1553 | 1472 | 33 |
| 382 | 158 | 24 | 3232 | 1553 | 1480 | 30 |
| 383 | 158 | 43 | 3186 | 1533 | 1484 | 33 |
| 384 | 159 | 3 | 3186 | 1547 | 1480 | 35 |
| 385 | 159 | 23 | 3237 | 1553 | 1486 | 34 |
| 386 | 159 | 42 | 3136 | 1535 | 1482 | 35 |
| 387 | 160 | 2 | 3221 | 1555 | 1474 | 33 |
| 388 | 160 | 21 | 3161 | 1553 | 1462 | 33 |
| 389 | 160 | 41 | 3141 | 1553 | 1464 | 33 |
| 390 | 161 | 1 | 3232 | 1547 | 1480 | 34 |
| 391 | 161 | 20 | 3232 | 1543 | 1466 | 33 |
| 392 | 161 | 40 | 3146 | 1551 | 1488 | 30 |
| 393 | 162 | 8 | 3120 | 1549 | 1480 | 33 |
| 394 | 162 | 19 | 3211 | 1553 | 1488 | 30 |
| 395 | 163 | 23 | 3221 | 1555 | 1484 | 32 |

| -01 SHEEP COUNT | 1-02 TIME MIN. | 2-03 TIME SEC. | 2-15 | | | | 2-17 | | | | 2-18 | | | |
|-----------------------|----------------------|----------------------|---------------|---------------|----------------|-----------------------------------|---------------|-----------------------------------|---------------|-----------------------------------|--|--|--|--|
| | | | UTIL. HYD. | PUMP PRESS | OUTLET PSIG | ROTARY RUDDER INLET PSIG | UTIL. HYD. | ROTARY RUDDER INLET PSIG | UTIL. HYD. | ROTARY RUDDER INLET PSIG | NO.1 MAIN WHEEL BRAKE RETURN PSIG | NO.1 MAIN WHEEL BRAKE RETURN PSIG | NO.1 MAIN WHEEL BRAKE RETURN PSIG | NO.1 MAIN WHEEL BRAKE RETURN PSIG |
| 396 | 163 | 43 | 3242 | 1553 | 1480 | 1480 | 35 | | | | | | | |
| 397 | 164 | 3 | 3166 | 1541 | 1480 | 1480 | 33 | | | | | | | |
| 398 | 166 | 51 | 3166 | 1547 | 1480 | 1480 | 35 | | | | | | | |
| 399 | 167 | 11 | 3232 | 1539 | 1480 | 1480 | 34 | | | | | | | |
| 400 | 167 | 20 | 3146 | 1551 | 1476 | 1476 | 30 | | | | | | | |
| 401 | 169 | 25 | 3151 | 1553 | 1480 | 1480 | 31 | | | | | | | |
| 402 | 171 | 59 | 3186 | 1549 | 1476 | 1476 | 36 | | | | | | | |
| 403 | 172 | 19 | 3161 | 1537 | 1480 | 1480 | 36 | | | | | | | |
| 404 | 172 | 38 | 3151 | 1539 | 1476 | 1476 | 34 | | | | | | | |
| 405 | 174 | 33 | 3166 | 1549 | 1480 | 1480 | 36 | | | | | | | |
| 406 | 174 | 52 | 3221 | 1561 | 1495 | 1495 | 37 | | | | | | | |
| 407 | 175 | 12 | 3237 | 1547 | 1482 | 1482 | 35 | | | | | | | |
| 408 | 177 | 7 | 3232 | 1549 | 1488 | 1488 | 33 | | | | | | | |
| 409 | 177 | 57 | 3181 | 1561 | 1480 | 1480 | 39 | | | | | | | |
| 410 | 178 | 17 | 3242 | 1543 | 1474 | 1474 | 38 | | | | | | | |
| 411 | 178 | 36 | 3146 | 1545 | 1480 | 1480 | 39 | | | | | | | |
| 412 | 178 | 56 | 3186 | 1537 | 1474 | 1474 | 38 | | | | | | | |
| 413 | 179 | 16 | 3171 | 1535 | 1488 | 1488 | 36 | | | | | | | |
| 414 | 179 | 35 | 3186 | 1537 | 1480 | 1480 | 36 | | | | | | | |
| 415 | 179 | 55 | 3232 | 1547 | 1474 | 1474 | 32 | | | | | | | |
| 416 | 180 | 14 | 3131 | 1547 | 1484 | 1484 | 36 | | | | | | | |
| 417 | 180 | 34 | 3181 | 1567 | 1472 | 1472 | 36 | | | | | | | |
| 418 | 180 | 53 | 3232 | 1537 | 1462 | 1462 | 37 | | | | | | | |
| 419 | 181 | 13 | 3201 | 1555 | 1480 | 1480 | 36 | | | | | | | |
| 420 | 181 | 33 | 3186 | 1563 | 1482 | 1482 | 45 | | | | | | | |
| 421 | 181 | 52 | 3221 | 1570 | 1474 | 1474 | 40 | | | | | | | |
| 422 | 182 | 12 | 3186 | 1574 | 1490 | 1490 | 39 | | | | | | | |
| 423 | 182 | 31 | 3151 | 1567 | 1496 | 1496 | 38 | | | | | | | |
| 424 | 182 | 51 | 3161 | 1561 | 1482 | 1482 | 38 | | | | | | | |
| 425 | 183 | 10 | 3226 | 1574 | 1485 | 1485 | 36 | | | | | | | |
| 426 | 183 | 30 | 3166 | 1561 | 1480 | 1480 | 39 | | | | | | | |
| 427 | 183 | 49 | 3181 | 1537 | 1482 | 1482 | 37 | | | | | | | |
| 428 | 184 | * | 3237 | 1574 | 1504 | 1504 | 40 | | | | | | | |
| 429 | 184 | 29 | 3151 | 1539 | 1472 | 1472 | 35 | | | | | | | |
| 430 | 184 | 49 | 3232 | 1539 | 1476 | 1476 | 33 | | | | | | | |
| 431 | 185 | 9 | 3232 | 1541 | 1470 | 1470 | 34 | | | | | | | |
| 432 | 185 | 29 | 3161 | 1541 | 1484 | 1484 | 33 | | | | | | | |
| 433 | 185 | 49 | 3125 | 1537 | 1470 | 1470 | 34 | | | | | | | |
| 434 | 186 | 9 | 3141 | 1523 | 1486 | 1486 | 32 | | | | | | | |
| 435 | 186 | 28 | 3065 | 1493 | 1466 | 1466 | 30 | | | | | | | |
| 436 | 186 | 48 | 3181 | 4 | 1456 | 1456 | 33 | | | | | | | |
| 437 | 187 | 7 | 3120 | 20 | 1454 | 1454 | 34 | | | | | | | |
| 438 | 187 | 26 | 3085 | 2 | 1462 | 1462 | 33 | | | | | | | |
| 439 | 187 | 46 | 3095 | 8 | 1462 | 1462 | 33 | | | | | | | |
| 440 | 189 | 34 | 3136 | 6 | 1468 | 1468 | 33 | | | | | | | |
| 441 | 191 | 7 | 5 | 4 | 2 | 2 | 4 | | | | | | | |
| 442 | 191 | 26 | 2 | 10 | 8 | 8 | 3 | | | | | | | |
| 443 | 191 | 46 | 0 | 6 | 4 | 4 | 3 | | | | | | | |
| 444 | 192 | 5 | 0 | 4 | 4 | 4 | 3 | | | | | | | |
| 445 | 193 | 56 | 0 | 20 | -10 | -10 | 2 | | | | | | | |

| -01 SNEEP COUNT | 2-02 TIME "IN. | 2-03 TIME SEC. | 2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG | 2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG | 2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG | 2-18 NO.1 MAIN WHEEL BRAKE RETURN PSIG |
|-----------------------|----------------------|----------------------|--|---|--|--|
| 446 | 196 | 11 | 10 | 8 | 0 | 0 |
| 447 | 198 | 31 | 10 | 0 | 4 | 0 |
| 448 | 198 | 50 | 0 | 0 | 2 | 0 |
| 449 | 206 | 59 | 25 | 4 | 0 | 0 |
| 450 | 207 | 18 | 31 | 8 | 0 | 0 |
| 451 | 207 | 38 | 11 | 6 | 2 | 0 |
| 452 | 207 | 59 | 10 | 6 | 4 | 0 |
| 453 | 212 | 19 | 50 | 4 | 0 | 0 |
| 454 | 212 | 38 | 25 | 16 | 2 | 0 |
| 455 | 212 | 58 | 10 | 10 | 4 | 0 |
| 456 | 213 | 17 | 18 | 8 | 4 | 0 |
| 457 | 217 | 37 | 50 | 20 | 0 | 0 |
| 458 | 217 | 57 | 40 | 18 | 4 | 0 |
| 459 | 218 | 16 | 60 | 20 | 0 | 0 |
| 460 | 222 | 35 | 50 | 20 | 8 | 0 |
| 461 | 222 | 54 | 50 | 16 | 2 | 0 |
| 462 | 223 | 14 | 40 | 6 | 0 | 0 |
| 463 | 226 | 52 | 50 | 10 | 4 | 0 |
| 464 | 227 | 12 | 50 | 10 | 0 | 0 |
| 465 | 227 | 31 | 58 | 14 | 4 | 0 |
| 466 | 231 | 18 | 78 | 28 | 16 | 0 |
| 467 | 231 | 29 | 70 | 16 | 22 | 0 |
| 468 | 231 | 47 | 55 | 20 | 8 | 0 |
| 469 | 235 | 27 | 51 | 20 | 8 | 0 |
| 470 | 235 | 46 | 31 | 14 | 16 | 0 |
| 471 | 236 | 6 | 51 | 20 | 6 | 0 |
| 472 | 239 | 43 | 60 | 20 | 10 | 0 |
| 473 | 248 | 3 | 55 | 4 | 2 | 0 |
| 474 | 248 | 22 | 41 | 18 | 10 | 0 |
| 475 | 243 | 59 | 50 | 12 | 4 | 0 |
| 476 | 244 | 18 | 40 | 16 | 16 | 0 |
| 477 | 244 | 38 | 55 | 22 | 2 | 0 |
| 478 | 248 | 15 | 51 | 20 | 4 | 0 |
| 479 | 248 | 34 | 51 | 20 | 4 | 0 |
| 480 | 248 | 53 | 45 | 16 | 0 | 0 |
| 481 | 248 | 53 | 45 | 16 | 0 | 0 |

44-53C S/N 68-10354
 ARCTIC TEST
 9 JANUARY 1971
 RUN NO. 2

-48 DEG C / -40 DEG F

| -01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C | 3-07 HEATER MAIN DIST. DUST LS FWD DEG.C | 3-08 HEATER MAIN DIST. DUST RS FWD DEG.C | 3-09 DIST. DUCT OUTLET (CKBIT L.S.) DEG.C | 3-10 DIST. DUCT OUTLET (CKBIT R.S.) DEG.C | 3-11 DIST. DUCT OUTLET STAN60 -47ORS DEG.C | 3-12 DIST. DUCT OUTLET STAN60 -47ORS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS HAIST LEVEL AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|--|--|--|---|---|--|--|---|--|
| 1 | 0 | 0 | -23 | -7 | -6 | -4 | -6 | -6 | -6 | -6 | -6 | -14 |
| 2 | 0 | 28 | -23 | -7 | -6 | -5 | -7 | -7 | -7 | -7 | -6 | -14 |
| 3 | 0 | 40 | -23 | -7 | -6 | -5 | -7 | -7 | -7 | -7 | -6 | -14 |
| 4 | 1 | 8 | -23 | -7 | -6 | -5 | -7 | -7 | -7 | -7 | -7 | -14 |
| 5 | 1 | 20 | -23 | -8 | -6 | -6 | -7 | -7 | -7 | -7 | -7 | -14 |
| 6 | 1 | 40 | -24 | -8 | -6 | -6 | -7 | -7 | -7 | -7 | -7 | -15 |
| 7 | 2 | 0 | -24 | -8 | -6 | -6 | -7 | -7 | -7 | -7 | -7 | -15 |
| 8 | 2 | 20 | -23 | -8 | -6 | -6 | -7 | -7 | -7 | -7 | -7 | -15 |
| 9 | 2 | 40 | -23 | -8 | -6 | -6 | -7 | -7 | -7 | -7 | -7 | -15 |
| 10 | 3 | 0 | -23 | -9 | -6 | -7 | -8 | -8 | -8 | -8 | -8 | -15 |
| 11 | 3 | 20 | -23 | -8 | -6 | -7 | -7 | -7 | -7 | -7 | -8 | -15 |
| 12 | 3 | 40 | -23 | -8 | -6 | -7 | -7 | -7 | -7 | -7 | -8 | -16 |
| 13 | 4 | 0 | -24 | -9 | -7 | -8 | -8 | -8 | -8 | -8 | -8 | -16 |
| 14 | 4 | 28 | -23 | -8 | -6 | -7 | -7 | -7 | -7 | -7 | -8 | -16 |
| 15 | 4 | 40 | -23 | -8 | -6 | -7 | -7 | -7 | -7 | -7 | -8 | -16 |
| 16 | 5 | 0 | -23 | -8 | -6 | -7 | -7 | -7 | -7 | -7 | -8 | -16 |
| 17 | 5 | 20 | -23 | -8 | -6 | -7 | -7 | -7 | -7 | -7 | -8 | -16 |
| 18 | 5 | 40 | -23 | -8 | -6 | -7 | -7 | -7 | -7 | -7 | -8 | -16 |
| 19 | 6 | 0 | -24 | -9 | -7 | -8 | -8 | -8 | -8 | -8 | -9 | -16 |
| 20 | 6 | 20 | -23 | -9 | -7 | -8 | -8 | -8 | -8 | -8 | -9 | -16 |
| 21 | 6 | 40 | -23 | -9 | -7 | -8 | -8 | -8 | -8 | -8 | -9 | -16 |
| 22 | 7 | 0 | -23 | -9 | -7 | -8 | -8 | -8 | -8 | -8 | -9 | -16 |
| 23 | 7 | 21 | -23 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 24 | 7 | 41 | -23 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 25 | 8 | 1 | -23 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 26 | 8 | 21 | -24 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 27 | 8 | 41 | -24 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 28 | 9 | 1 | -24 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 29 | 9 | 21 | -23 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 30 | 9 | 41 | -23 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 31 | 10 | 2 | -25 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 32 | 12 | 32 | -24 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 33 | 17 | 1 | -24 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 34 | 17 | 21 | -25 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 35 | 17 | 42 | -26 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 36 | 21 | 30 | -24 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 37 | 21 | 51 | -26 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 38 | 22 | 11 | -24 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 39 | 22 | 31 | -24 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 40 | 24 | 1 | -27 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 41 | 23 | 41 | -27 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 42 | 24 | 2 | -27 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 43 | 24 | 23 | -27 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 44 | 24 | 43 | -27 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |
| 45 | 24 | 43 | -26 | -10 | -8 | -9 | -9 | -9 | -9 | -9 | -9 | -16 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-05 HEATER TEMP OUT DEG.C | 3-06 PLENUM CHMFR TEMP DEG.C | 3-07 HEATER MAIN DUCT L.S. FWD DEG.C | 3-08 HEATER MAIN DUCT RS FWD DEG.C | 3-09 DUCT OUTLET (CKPT) L.S.) DEG.C | 3-10 DUCT OUTLET (CKPT R.S.) DEG.C | 3-11 DUCT OUTLET STAGE -47ORS DEG.C | 3-12 DUCT OUTLET STAGE -47OLS DEG.C | 3-13 PILOTS HEAD LEVEL ATR TEMP DEG.C | 3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|--|--|---|---|--|---|--|--|---|--|
| 46 | 25 | 24 | -28 | -19 | -19 | -19 | -16 | -16 | -16 | -21 | -20 | -16 | -24 |
| 47 | 25 | 44 | -27 | -18 | -19 | -20 | -16 | -17 | -17 | -21 | -21 | -16 | -24 |
| 48 | 26 | 5 | -27 | -18 | -19 | -19 | -16 | -16 | -16 | -21 | -22 | -17 | -24 |
| 49 | 26 | 25 | -27 | -19 | -19 | -20 | -17 | -18 | -18 | -22 | -22 | -17 | -24 |
| 50 | 26 | 46 | -27 | -19 | -18 | -20 | -18 | -19 | -19 | -22 | -22 | -16 | -24 |
| 51 | 27 | 6 | -28 | -19 | -19 | -20 | -19 | -19 | -19 | -22 | -22 | -19 | -24 |
| 52 | 27 | 47 | -28 | -20 | -20 | -20 | -19 | -19 | -19 | -22 | -22 | -19 | -24 |
| 53 | 30 | 20 | -28 | -20 | -20 | -20 | -19 | -19 | -19 | -23 | -23 | -19 | -24 |
| 54 | 30 | 34 | -28 | -20 | -20 | -20 | -19 | -19 | -19 | -23 | -23 | -19 | -24 |
| 55 | 34 | 24 | -26 | -20 | -20 | -22 | -19 | -19 | -19 | -24 | -24 | -18 | -27 |
| 56 | 34 | 50 | -26 | -21 | -21 | -22 | -20 | -20 | -20 | -24 | -24 | -18 | -27 |
| 57 | 35 | 10 | -26 | -21 | -21 | -22 | -20 | -20 | -20 | -24 | -24 | -19 | -27 |
| 58 | 35 | 31 | -26 | -21 | -21 | -23 | -20 | -20 | -20 | -24 | -24 | -19 | -27 |
| 59 | 38 | 59 | -26 | -22 | -22 | -23 | -20 | -20 | -20 | -25 | -25 | -19 | -27 |
| 60 | 39 | 28 | -26 | -22 | -22 | -23 | -19 | -19 | -19 | -25 | -25 | -19 | -27 |
| 61 | 39 | 48 | -27 | -23 | -23 | -24 | -19 | -19 | -19 | -25 | -25 | -19 | -27 |
| 62 | 40 | 1 | -26 | -22 | -22 | -23 | -20 | -20 | -20 | -26 | -26 | -19 | -27 |
| 63 | 43 | 29 | -24 | -23 | -23 | -24 | -20 | -20 | -20 | -26 | -26 | -19 | -27 |
| 64 | 43 | 50 | -26 | -22 | -22 | -25 | -19 | -19 | -19 | -26 | -26 | -18 | -27 |
| 65 | 44 | 10 | -26 | -23 | -23 | -24 | -20 | -20 | -20 | -26 | -26 | -19 | -27 |
| 66 | 44 | 31 | -26 | -22 | -22 | -24 | -20 | -20 | -20 | -26 | -26 | -19 | -27 |
| 67 | 47 | 59 | -26 | -23 | -23 | -23 | -21 | -21 | -21 | -27 | -26 | -20 | -28 |
| 68 | 52 | 29 | -26 | -22 | -22 | -23 | -21 | -21 | -21 | -26 | -26 | -21 | -28 |
| 69 | 52 | 50 | -27 | -24 | -24 | -24 | -20 | -20 | -20 | -26 | -25 | -20 | -28 |
| 70 | 53 | 11 | -26 | -23 | -23 | -26 | -21 | -21 | -21 | -26 | -26 | -22 | -28 |
| 71 | 53 | 0 | -27 | -24 | -24 | -26 | -21 | -21 | -21 | -26 | -26 | -22 | -28 |
| 72 | 53 | 53 | -27 | -24 | -24 | -26 | -20 | -20 | -20 | -26 | -26 | -20 | -28 |
| 73 | 54 | 13 | -26 | -23 | -22 | -26 | -21 | -21 | -21 | -26 | -26 | -21 | -28 |
| 74 | 54 | 34 | -27 | -24 | -24 | -26 | -22 | -22 | -22 | -26 | -26 | -21 | -28 |
| 75 | 54 | 55 | -27 | -24 | -24 | -26 | -22 | -22 | -22 | -26 | -26 | -21 | -28 |
| 76 | 55 | 15 | -27 | -24 | -24 | -26 | -21 | -21 | -21 | -26 | -26 | -21 | -28 |
| 77 | 55 | 37 | -26 | -24 | -24 | -26 | -22 | -22 | -22 | -26 | -26 | -21 | -28 |
| 78 | 55 | 58 | -27 | -24 | -24 | -26 | -22 | -22 | -22 | -26 | -26 | -21 | -28 |
| 79 | 56 | 17 | -27 | -24 | -24 | -26 | -22 | -22 | -22 | -26 | -26 | -21 | -28 |
| 80 | 56 | 39 | -36 | -31 | -31 | -26 | -22 | -22 | -22 | -26 | -26 | -21 | -28 |
| 81 | 57 | 0 | -34 | -31 | -31 | 0 | -20 | -20 | -20 | -23 | -23 | -21 | -28 |
| 82 | 57 | 21 | -36 | -31 | -31 | 34 | -17 | -17 | -17 | -23 | -23 | -21 | -28 |
| 83 | 57 | 41 | -33 | -33 | -33 | 41 | -12 | -12 | -12 | -13 | -13 | -19 | -28 |
| 84 | 58 | 04 | -30 | -30 | -30 | 51 | -16 | -16 | -16 | -13 | -13 | -17 | -28 |
| 85 | 58 | 22 | -31 | -31 | -31 | 55 | -6 | -6 | -6 | -8 | -8 | -11 | -28 |
| 86 | 58 | 43 | -35 | -35 | -35 | 61 | -4 | -4 | -4 | -3 | -3 | -13 | -28 |
| 87 | 59 | 04 | -32 | -32 | -32 | 64 | -0 | -0 | -0 | 0 | 0 | -13 | -28 |
| 88 | 59 | 24 | -29 | -29 | -29 | 68 | 1 | 1 | 1 | 1 | 1 | -10 | -28 |
| 89 | 59 | 46 | -31 | -31 | -31 | 70 | 3 | 3 | 3 | 3 | 3 | -10 | -28 |
| 90 | 60 | 06 | -31 | -31 | -31 | 75 | 4 | 4 | 4 | 4 | 4 | -9 | -28 |
| 91 | 60 | 26 | -36 | -36 | -36 | 78 | 6 | 6 | 6 | 6 | 6 | -7 | -28 |
| 92 | 60 | 47 | -35 | -35 | -35 | 79 | 0 | 0 | 0 | 0 | 0 | -6 | -28 |
| 93 | 61 | 07 | -39 | -39 | -39 | 82 | 7 | 7 | 7 | 7 | 7 | -4 | -28 |
| 94 | 61 | 28 | -37 | -37 | -37 | 83 | 4 | 4 | 4 | 4 | 4 | -3 | -28 |
| 95 | 61 | 48 | -37 | -37 | -37 | 85 | 12 | 12 | 12 | 12 | 12 | -2 | -28 |
| 96 | 61 | 48 | -37 | -37 | -37 | 84 | 12 | 12 | 12 | 14 | 14 | -2 | -28 |

| 01 TEMP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER PIENUM CAMBER TEMP OUT DEG.C | 3-07 HEATER MAIN DIST. LS FWD DEG.C | 3-08 HEATER MAIN DIST. RS FWD DEG.C | 3-09 DIST. OUTLET (OKPIT L.S.) DEG.C | 3-10 DIST. OUTLET (CAPIT R.S.) DEG.C | 3-11 DIST. OUTLET STR460 -47ORS DEG.C | 3-12 DIST. OUTLET STR460 -47ORS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS MAIST LEVEL AIR TEMP DEG.C |
|---------------------|----------------------|----------------------|---------------------------------------|--|--|--|---|---|--|--|---|--|
| 96 | 62 | 9 | -36 | 99 | 96 | 86 | 14 | 0 | 14 | 45 | 0 | 4 |
| 97 | 62 | 30 | -38 | 99 | 96 | 86 | 15 | 10 | 15 | 47 | 0 | 4 |
| 98 | 62 | 50 | -38 | 100 | 99 | 88 | 18 | 10 | 15 | 48 | 1 | 5 |
| 99 | 63 | 11 | -31 | 102 | 100 | 90 | 18 | 11 | 17 | 49 | 1 | 6 |
| 100 | 63 | 31 | -39 | 100 | 100 | 89 | 20 | 11 | 19 | 51 | 1 | 8 |
| 101 | 63 | 52 | -41 | 104 | 101 | 91 | 18 | 14 | 19 | 51 | 2 | 9 |
| 102 | 64 | 12 | -31 | 103 | 103 | 93 | 19 | 13 | 20 | 52 | 4 | 11 |
| 103 | 64 | 33 | -39 | 104 | 101 | 92 | 20 | 15 | 21 | 51 | 4 | 11 |
| 104 | 64 | 54 | -31 | 105 | 103 | 92 | 22 | 16 | 20 | 49 | 5 | 9 |
| 105 | 65 | 14 | -31 | 103 | 101 | 92 | 22 | 15 | 21 | 51 | 5 | 11 |
| 106 | 65 | 35 | -39 | 104 | 103 | 92 | 22 | 16 | 20 | 50 | 5 | 11 |
| 107 | 65 | 55 | -31 | 107 | 105 | 94 | 24 | 17 | 21 | 54 | 4 | 11 |
| 108 | 66 | 16 | -35 | 106 | 104 | 93 | 25 | 16 | 21 | 52 | 5 | 14 |
| 109 | 66 | 36 | -38 | 108 | 106 | 96 | 26 | 18 | 21 | 53 | 5 | 14 |
| 110 | 66 | 57 | -38 | 108 | 104 | 95 | 27 | 21 | 22 | 54 | 6 | 14 |
| 111 | 67 | 18 | -35 | 108 | 107 | 95 | 27 | 22 | 22 | 54 | 10 | 15 |
| 112 | 67 | 38 | -35 | 109 | 107 | 95 | 28 | 24 | 22 | 54 | 11 | 16 |
| 113 | 67 | 59 | -31 | 108 | 106 | 96 | 26 | 24 | 24 | 56 | 11 | 16 |
| 114 | 68 | 20 | -38 | 109 | 104 | 91 | 28 | 24 | 24 | 55 | 12 | 16 |
| 115 | 68 | 41 | -38 | 110 | 107 | 96 | 27 | 23 | 25 | 59 | 17 | 18 |
| 116 | 69 | 2 | -36 | 110 | 109 | 99 | 26 | 26 | 25 | 59 | 17 | 19 |
| 117 | 69 | 22 | -38 | 111 | 109 | 99 | 28 | 26 | 26 | 59 | 15 | 21 |
| 118 | 69 | 43 | -31 | 116 | 115 | 105 | 30 | 27 | 28 | 60 | 16 | 20 |
| 119 | 70 | 4 | -31 | 116 | 115 | 106 | 31 | 29 | 29 | 60 | 17 | 20 |
| 120 | 70 | 25 | -36 | 117 | 115 | 105 | 31 | 26 | 30 | 60 | 18 | 22 |
| 121 | 70 | 45 | -34 | 115 | 114 | 102 | 33 | 28 | 31 | 60 | 18 | 22 |
| 122 | 71 | 5 | -36 | 113 | 112 | 101 | 34 | 29 | 31 | 60 | 18 | 22 |
| 123 | 71 | 26 | -37 | 111 | 111 | 99 | 36 | 30 | 31 | 60 | 19 | 24 |
| 124 | 71 | 46 | -36 | 111 | 111 | 100 | 36 | 30 | 31 | 60 | 20 | 24 |
| 125 | 72 | 7 | -37 | 113 | 111 | 101 | 37 | 30 | 31 | 60 | 20 | 23 |
| 126 | 72 | 27 | -31 | 114 | 114 | 101 | 37 | 31 | 32 | 60 | 21 | 24 |
| 127 | 72 | 48 | -31 | 114 | 113 | 103 | 38 | 33 | 34 | 60 | 22 | 25 |
| 128 | 73 | 8 | -35 | 115 | 112 | 103 | 36 | 32 | 34 | 60 | 22 | 27 |
| 129 | 73 | 29 | -34 | 116 | 113 | 103 | 37 | 31 | 34 | 60 | 21 | 26 |
| 130 | 73 | 49 | -34 | 116 | 113 | 103 | 37 | 30 | 33 | 60 | 21 | 26 |
| 131 | 74 | 10 | -32 | 114 | 115 | 104 | 37 | 29 | 33 | 60 | 22 | 26 |
| 132 | 74 | 30 | -34 | 116 | 115 | 103 | 38 | 33 | 34 | 60 | 22 | 28 |
| 133 | 74 | 51 | -33 | 115 | 114 | 104 | 39 | 34 | 34 | 60 | 21 | 28 |
| 134 | 75 | 11 | -34 | 116 | 113 | 104 | 39 | 33 | 35 | 60 | 23 | 27 |
| 135 | 75 | 32 | -34 | 114 | 113 | 102 | 39 | 33 | 35 | 60 | 24 | 27 |
| 136 | 75 | 52 | -34 | 112 | 112 | 101 | 42 | 36 | 34 | 60 | 24 | 27 |
| 137 | 76 | 12 | -37 | 112 | 113 | 99 | 38 | 36 | 34 | 60 | 24 | 28 |
| 138 | 76 | 33 | -36 | 112 | 110 | 100 | 37 | 34 | 34 | 60 | 25 | 28 |
| 139 | 76 | 53 | -35 | 112 | 111 | 101 | 37 | 34 | 34 | 60 | 25 | 30 |
| 140 | 77 | 14 | -31 | 114 | 113 | 102 | 38 | 35 | 35 | 60 | 27 | 30 |
| 141 | 77 | 34 | -31 | 113 | 113 | 102 | 40 | 36 | 35 | 60 | 27 | 32 |
| 142 | 77 | 54 | -31 | 114 | 113 | 102 | 40 | 37 | 35 | 60 | 28 | 32 |
| 143 | 78 | 15 | -29 | 115 | 114 | 103 | 42 | 39 | 35 | 60 | 29 | 32 |
| 144 | 78 | 35 | -26 | 115 | 113 | 103 | 44 | 39 | 36 | 60 | 29 | 32 |
| 145 | 78 | 55 | -26 | 115 | 113 | 103 | 44 | 38 | 36 | 60 | 28 | 32 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-05 HEATER TEMP IN DEG.C | 3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C | 1-07 HEATER MAIN DIST. DUCT L.S. FWD DEG.C | 3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C | 3-09 DUCT OUTLET (CAPIT L.S.) DEG.C | 3-10 DUCT OUTLET (CAPIT R.S.) DEG.C | 3-11 DUCT OUTLET STANG60 -470RS DEG.C | 3-12 DUCT OUTLET STANG60 -470RS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|--|--|--|--|--|--|--|---|--|
| 146 | 79 | 15 | -30 | 115 | 119 | 103 | 45 | 39 | 37 | 0 | 28 | 33 |
| 147 | 79 | 35 | -30 | 114 | 113 | 102 | 44 | 39 | 36 | 0 | 29 | 34 |
| 148 | 79 | 55 | -30 | 112 | 112 | 101 | 42 | 38 | 35 | 0 | 29 | 33 |
| 149 | 80 | 16 | -30 | 112 | 112 | 101 | 40 | 37 | 34 | 0 | 27 | 32 |
| 150 | 80 | 37 | -31 | 101 | 101 | 101 | 40 | 36 | 36 | 99 | 27 | 32 |
| 151 | 81 | 57 | -31 | 65 | 65 | 56 | 38 | 37 | 36 | 49 | 28 | 38 |
| 152 | 81 | 18 | -32 | 71 | 71 | 62 | 31 | 34 | 34 | 49 | 28 | 38 |
| 153 | 81 | 38 | -32 | 85 | 85 | 76 | 32 | 35 | 35 | 52 | 25 | 28 |
| 154 | 81 | 58 | -32 | 96 | 96 | 86 | 33 | 36 | 36 | 57 | 25 | 28 |
| 155 | 82 | 19 | -30 | 85 | 84 | 73 | 35 | 37 | 37 | 51 | 27 | 30 |
| 156 | 82 | 39 | -31 | 63 | 63 | 54 | 33 | 34 | 34 | 49 | 24 | 28 |
| 157 | 82 | 59 | -30 | 78 | 78 | 69 | 32 | 34 | 34 | 49 | 24 | 28 |
| 158 | 83 | 19 | -29 | 92 | 92 | 84 | 34 | 34 | 34 | 55 | 24 | 30 |
| 159 | 83 | 40 | -29 | 78 | 78 | 68 | 34 | 35 | 35 | 46 | 24 | 29 |
| 160 | 84 | 0 | -31 | 65 | 65 | 58 | 32 | 32 | 32 | 46 | 24 | 28 |
| 161 | 84 | 20 | -31 | 80 | 80 | 71 | 32 | 32 | 32 | 49 | 24 | 28 |
| 162 | 84 | 40 | -30 | 76 | 76 | 66 | 33 | 33 | 33 | 45 | 23 | 29 |
| 163 | 85 | 1 | -31 | 55 | 55 | 48 | 31 | 32 | 32 | 42 | 24 | 27 |
| 164 | 85 | 21 | -31 | 73 | 73 | 64 | 34 | 32 | 32 | 46 | 24 | 27 |
| 165 | 85 | 41 | -32 | 88 | 88 | 79 | 34 | 31 | 31 | 52 | 24 | 29 |
| 166 | 86 | 1 | -31 | 61 | 61 | 74 | 36 | 33 | 33 | 49 | 23 | 29 |
| 167 | 86 | 22 | -31 | 51 | 51 | 44 | 34 | 35 | 35 | 39 | 24 | 28 |
| 168 | 86 | 42 | -32 | 64 | 64 | 56 | 33 | 34 | 34 | 43 | 23 | 28 |
| 169 | 87 | 2 | -30 | 69 | 69 | 60 | 33 | 34 | 34 | 41 | 22 | 28 |
| 170 | 87 | 22 | -34 | 41 | 40 | 35 | 32 | 32 | 32 | 33 | 22 | 28 |
| 171 | 87 | 43 | -35 | 56 | 56 | 49 | 31 | 32 | 32 | 38 | 20 | 27 |
| 172 | 88 | 3 | -34 | 56 | 56 | 48 | 30 | 31 | 31 | 35 | 20 | 27 |
| 173 | 88 | 23 | -33 | 33 | 33 | 46 | 31 | 30 | 30 | 36 | 20 | 27 |
| 174 | 88 | 43 | -35 | 59 | 59 | 51 | 31 | 29 | 29 | 36 | 19 | 26 |
| 175 | 89 | 4 | -35 | 52 | 51 | 43 | 31 | 28 | 28 | 35 | 19 | 26 |
| 176 | 89 | 24 | -32 | 71 | 71 | 62 | 29 | 29 | 29 | 42 | 19 | 25 |
| 177 | 89 | 44 | -35 | 53 | 54 | 46 | 32 | 29 | 29 | 35 | 19 | 26 |
| 178 | 90 | 4 | -34 | 55 | 54 | 49 | 31 | 28 | 28 | 36 | 19 | 26 |
| 179 | 90 | 25 | -34 | 72 | 74 | 65 | 32 | 28 | 28 | 44 | 19 | 26 |
| 180 | 90 | 45 | -35 | 57 | 58 | 49 | 34 | 28 | 28 | 37 | 19 | 27 |
| 181 | 91 | 5 | -34 | 54 | 59 | 50 | 33 | 27 | 27 | 40 | 19 | 27 |
| 182 | 91 | 25 | -34 | 69 | 78 | 66 | 33 | 26 | 26 | 44 | 19 | 26 |
| 183 | 91 | 45 | -36 | 55 | 61 | 51 | 34 | 27 | 27 | 36 | 19 | 27 |
| 184 | 92 | 6 | -31 | 46 | 53 | 45 | 31 | 26 | 26 | 37 | 19 | 26 |
| 185 | 92 | 26 | -34 | 68 | 70 | 61 | 31 | 24 | 24 | 42 | 19 | 25 |
| 186 | 92 | 46 | -34 | 56 | 56 | 45 | 32 | 24 | 24 | 36 | 18 | 26 |
| 187 | 93 | 6 | -31 | 63 | 63 | 54 | 31 | 25 | 25 | 40 | 18 | 26 |
| 188 | 93 | 26 | -34 | 75 | 75 | 66 | 33 | 25 | 25 | 44 | 19 | 26 |
| 189 | 93 | 47 | -37 | 51 | 51 | 43 | 32 | 24 | 24 | 35 | 19 | 25 |
| 190 | 94 | 7 | -34 | 60 | 60 | 52 | 31 | 24 | 24 | 42 | 18 | 25 |
| 191 | 94 | 27 | -37 | 77 | 77 | 68 | 32 | 24 | 24 | 38 | 18 | 25 |
| 192 | 94 | 47 | -35 | 64 | 64 | 55 | 34 | 24 | 24 | 45 | 18 | 25 |
| 193 | 95 | 6 | -32 | 58 | 58 | 50 | 33 | 24 | 24 | 39 | 18 | 25 |
| 194 | 95 | 26 | -21 | 67 | 69 | 59 | 34 | 24 | 24 | 41 | 18 | 25 |
| 195 | 95 | 48 | -24 | 41 | 41 | 35 | 31 | 23 | 23 | 32 | 18 | 25 |

| 01 SER NO. | 1-02 TIME | 1-03 TIME SEC. | 7-05 HEATER TEMP | 3-06 HEATER CHAMBER TEMP IN OUT DEG.C | 1-07 HEATER MAIN DIST. DUCT LS FWD DEG.C | 3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C | 3-09 DIST. DUCT OUTLET L.S.J DEG.C | 3-10 DIST. DUCT OUTLET (ORPIT R.S.J DEG.C | 3-11 DIST. DUCT OUTLET S.A460 -470LS DEG.C | 3-12 DIST. DUCT OUTLET S.A460 -470LS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C |
|------------------|--------------|----------------------|------------------------|---|--|--|---|---|--|--|---|--|
| 196 | 94 | 8 | 74 | 58 | 59 | 53 | 31 | 24 | 22 | 38 | 18 | 26 |
| 197 | 96 | 29 | -23 | 67 | 67 | 58 | 33 | 24 | 23 | 35 | 18 | 26 |
| 198 | 95 | 49 | -25 | 34 | 33 | 28 | 31 | 22 | 23 | 27 | 18 | 25 |
| 199 | 97 | 9 | -00 | 37 | 37 | 33 | 27 | 22 | 21 | 31 | 18 | 23 |
| 200 | 97 | 29 | -21 | 61 | 61 | 55 | 27 | 22 | 21 | 35 | 17 | 23 |
| 201 | 97 | 45 | -18 | 54 | 53 | 46 | 29 | 22 | 22 | 35 | 17 | 24 |
| 202 | 98 | 9 | -19 | 76 | 67 | 77 | 30 | 22 | 27 | 43 | 17 | 24 |
| 203 | 98 | 30 | -21 | 53 | 59 | 59 | 34 | 22 | 24 | 39 | 19 | 25 |
| 204 | 98 | 58 | -22 | 33 | 33 | 28 | 32 | 22 | 24 | 27 | 19 | 25 |
| 205 | 99 | 10 | -22 | 22 | 24 | 26 | 26 | 22 | 24 | 24 | 18 | 24 |
| 206 | 99 | 30 | -26 | 55 | 55 | 48 | 24 | 22 | 18 | 34 | 17 | 22 |
| 207 | 99 | 51 | -27 | 56 | 55 | 48 | 27 | 22 | 20 | 33 | 17 | 23 |
| 208 | 100 | 11 | -21 | 24 | 24 | 19 | 27 | 21 | 20 | 22 | 17 | 23 |
| 209 | 100 | 31 | -28 | 38 | 37 | 32 | 22 | 21 | 19 | 28 | 16 | 22 |
| 210 | 100 | 51 | -21 | 68 | 69 | 59 | 24 | 21 | 18 | 39 | 16 | 22 |
| 211 | 101 | 12 | -21 | 80 | 81 | 71 | 29 | 21 | 23 | 44 | 17 | 24 |
| 212 | 101 | 43 | -22 | 49 | 49 | 42 | 30 | 21 | 25 | 33 | 17 | 24 |
| 213 | 101 | 52 | -21 | 48 | 47 | 41 | 28 | 21 | 24 | 35 | 17 | 24 |
| 214 | 102 | 13 | -21 | 72 | 71 | 64 | 28 | 21 | 22 | 41 | 17 | 24 |
| 215 | 102 | 33 | -22 | 51 | 50 | 44 | 28 | 22 | 24 | 41 | 17 | 24 |
| 216 | 102 | 53 | -23 | 35 | 35 | 31 | 27 | 21 | 22 | 30 | 17 | 23 |
| 217 | 103 | 13 | -21 | 63 | 62 | 55 | 26 | 21 | 21 | 38 | 17 | 23 |
| 218 | 103 | 34 | -25 | 61 | 61 | 53 | 29 | 21 | 23 | 36 | 17 | 24 |
| 219 | 103 | 54 | -28 | 39 | 39 | 34 | 28 | 21 | 22 | 31 | 17 | 24 |
| 220 | 104 | 14 | -21 | 63 | 62 | 55 | 27 | 21 | 22 | 39 | 17 | 24 |
| 221 | 104 | 35 | -24 | 46 | 47 | 40 | 28 | 21 | 22 | 31 | 16 | 23 |
| 222 | 104 | 55 | -24 | 56 | 54 | 48 | 27 | 21 | 22 | 36 | 17 | 22 |
| 223 | 105 | 15 | -21 | 77 | 77 | 68 | 28 | 22 | 23 | 42 | 17 | 23 |
| 224 | 105 | 35 | -26 | 51 | 51 | 44 | 31 | 22 | 25 | 34 | 17 | 24 |
| 225 | 105 | 55 | -27 | 30 | 30 | 25 | 27 | 21 | 23 | 29 | 17 | 24 |
| 226 | 106 | 16 | -21 | 56 | 55 | 48 | 25 | 21 | 21 | 36 | 17 | 23 |
| 227 | 106 | 36 | -23 | 52 | 52 | 44 | 27 | 22 | 22 | 32 | 17 | 23 |
| 228 | 106 | 56 | -24 | 50 | 49 | 42 | 27 | 20 | 21 | 34 | 17 | 23 |
| 229 | 107 | 16 | -21 | 71 | 71 | 63 | 28 | 21 | 22 | 41 | 16 | 23 |
| 230 | 107 | 36 | -27 | 49 | 49 | 42 | 29 | 21 | 24 | 41 | 17 | 23 |
| 231 | 107 | 57 | -21 | 49 | 48 | 42 | 27 | 21 | 22 | 34 | 17 | 22 |
| 232 | 108 | 17 | -24 | 65 | 65 | 56 | 28 | 21 | 22 | 38 | 17 | 23 |
| 233 | 108 | 37 | -21 | 40 | 40 | 34 | 28 | 21 | 22 | 30 | 17 | 23 |
| 234 | 108 | 57 | -25 | 57 | 56 | 49 | 27 | 20 | 21 | 37 | 17 | 22 |
| 235 | 108 | 17 | -26 | 61 | 61 | 53 | 28 | 20 | 23 | 36 | 17 | 23 |
| 236 | 109 | 37 | -21 | 43 | 42 | 36 | 27 | 20 | 22 | 31 | 16 | 22 |
| 237 | 109 | 57 | -27 | 63 | 62 | 55 | 27 | 20 | 22 | 39 | 17 | 22 |
| 238 | 110 | 17 | -27 | 65 | 64 | 55 | 29 | 20 | 24 | 37 | 17 | 23 |
| 239 | 110 | 38 | -28 | 37 | 39 | 31 | 20 | 20 | 24 | 29 | 17 | 22 |
| 240 | 110 | 58 | -28 | 57 | 56 | 49 | 26 | 19 | 21 | 36 | 17 | 22 |
| 241 | 111 | 18 | -24 | 68 | 67 | 59 | 28 | 19 | 22 | 38 | 17 | 22 |
| 242 | 111 | 38 | -28 | 40 | 40 | 33 | 28 | 20 | 23 | 29 | 16 | 22 |
| 243 | 111 | 58 | -21 | 56 | 55 | 48 | 27 | 20 | 21 | 35 | 16 | 22 |
| 244 | 112 | 18 | -28 | 77 | 77 | 68 | 29 | 20 | 22 | 43 | 16 | 22 |
| 245 | 112 | 38 | -27 | 54 | 53 | 45 | 31 | 20 | 25 | 34 | 16 | 23 |

| -11 SHEEP COUNT | 1-02 TIME MIN. | 3-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER PLENUM CHAMBER TEMP OUT DEG.C | 3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C | 3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C | 3-09 DIST. DUCT OUTLET (OKPIY L.S.) DEG.C | 3-10 DIST. DUCT OUTLET (OKPIY R.S.) DEG.C | 3-11 DIST. DUCT OUTLET STAGE -470LS DEG.C | 3-12 DIST. DUCT OUTLET STAGE -470LS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS HAIST LEVEL AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|---|--|--|---|---|---|---|---|--|
| 246 | 112 | 58 | -29 | 48 | 48 | 41 | 28 | 19 | 23 | 34 | 15 | 22 |
| 247 | 113 | 16 | -24 | 67 | 66 | 58 | 29 | 19 | 22 | 39 | 15 | 22 |
| 248 | 113 | 38 | -24 | 45 | 45 | 38 | 29 | 20 | 23 | 31 | 16 | 22 |
| 249 | 113 | 58 | -28 | 59 | 58 | 50 | 28 | 19 | 22 | 37 | 17 | 22 |
| 250 | 114 | 18 | -24 | 44 | 44 | 38 | 28 | 20 | 22 | 30 | 16 | 23 |
| 251 | 114 | 30 | -26 | 45 | 45 | 39 | 26 | 20 | 21 | 32 | 10 | 22 |
| 252 | 114 | 53 | -25 | 70 | 69 | 62 | 27 | 20 | 22 | 40 | 19 | 22 |
| 253 | 115 | 18 | -28 | 59 | 58 | 49 | 28 | 20 | 24 | 17 | 17 | 23 |
| 254 | 115 | 30 | -24 | 45 | 45 | 38 | 26 | 20 | 22 | 33 | 17 | 22 |
| 255 | 115 | 58 | -28 | 66 | 65 | 59 | 27 | 20 | 22 | 39 | 17 | 22 |
| 256 | 116 | 18 | -26 | 54 | 54 | 46 | 27 | 20 | 24 | 33 | 17 | 23 |
| 257 | 116 | 38 | -28 | 47 | 47 | 40 | 25 | 20 | 22 | 33 | 17 | 22 |
| 258 | 116 | 58 | -29 | 69 | 68 | 60 | 27 | 20 | 22 | 41 | 16 | 23 |
| 259 | 117 | 18 | -24 | 59 | 58 | 50 | 30 | 20 | 24 | 36 | 17 | 23 |
| 260 | 117 | 38 | -24 | 44 | 44 | 38 | 28 | 20 | 24 | 33 | 17 | 23 |
| 261 | 117 | 58 | -24 | 67 | 66 | 58 | 28 | 19 | 22 | 39 | 16 | 22 |
| 262 | 118 | 18 | -21 | 54 | 54 | 45 | 31 | 20 | 24 | 34 | 16 | 22 |
| 263 | 118 | 38 | -24 | 60 | 60 | 52 | 30 | 19 | 23 | 39 | 16 | 22 |
| 264 | 118 | 58 | -26 | 54 | 53 | 45 | 30 | 19 | 23 | 34 | 16 | 22 |
| 265 | 119 | 19 | -28 | 56 | 55 | 48 | 29 | 19 | 23 | 34 | 16 | 22 |
| 266 | 119 | 39 | -27 | 73 | 73 | 64 | 32 | 19 | 24 | 41 | 16 | 22 |
| 267 | 119 | 58 | -28 | 55 | 54 | 46 | 32 | 19 | 25 | 36 | 18 | 23 |
| 268 | 120 | 18 | -28 | 62 | 62 | 53 | 30 | 19 | 24 | 38 | 16 | 23 |
| 269 | 120 | 38 | -28 | 44 | 43 | 36 | 29 | 19 | 23 | 38 | 17 | 22 |
| 270 | 120 | 58 | -26 | 61 | 60 | 53 | 29 | 19 | 22 | 39 | 16 | 22 |
| 271 | 121 | 19 | -27 | 75 | 75 | 65 | 32 | 19 | 24 | 41 | 16 | 22 |
| 272 | 121 | 39 | -20 | 53 | 53 | 45 | 32 | 20 | 25 | 36 | 17 | 24 |
| 273 | 121 | 59 | -27 | 69 | 69 | 61 | 31 | 18 | 24 | 42 | 16 | 23 |
| 274 | 122 | 19 | -27 | 78 | 78 | 69 | 34 | 20 | 26 | 44 | 16 | 23 |
| 275 | 122 | 40 | -28 | 45 | 45 | 39 | 33 | 20 | 26 | 33 | 17 | 24 |
| 276 | 123 | 0 | -24 | 54 | 54 | 48 | 30 | 28 | 26 | 37 | 17 | 24 |
| 277 | 123 | 20 | -24 | 78 | 78 | 70 | 31 | 28 | 24 | 45 | 16 | 24 |
| 278 | 123 | 41 | -27 | 65 | 65 | 56 | 34 | 28 | 25 | 39 | 17 | 24 |
| 279 | 124 | 1 | -26 | 51 | 50 | 44 | 31 | 19 | 25 | 36 | 16 | 24 |
| 280 | 124 | 21 | -24 | 64 | 64 | 44 | 31 | 19 | 24 | 37 | 16 | 24 |
| 281 | 124 | 42 | -27 | 38 | 38 | 33 | 31 | 20 | 23 | 37 | 16 | 24 |
| 282 | 125 | 3 | -29 | 54 | 53 | 46 | 28 | 19 | 21 | 34 | 17 | 22 |
| 283 | 125 | 23 | -20 | 80 | 80 | 72 | 31 | 19 | 21 | 44 | 16 | 23 |
| 284 | 125 | 44 | -24 | 68 | 68 | 59 | 34 | 20 | 24 | 38 | 16 | 24 |
| 285 | 126 | 4 | -24 | 59 | 59 | 51 | 32 | 20 | 24 | 37 | 16 | 24 |
| 286 | 126 | 25 | -27 | 79 | 80 | 71 | 37 | 28 | 24 | 45 | 17 | 24 |
| 287 | 126 | 45 | -27 | 72 | 72 | 61 | 36 | 21 | 27 | 48 | 17 | 25 |
| 288 | 127 | 6 | -20 | 53 | 52 | 45 | 33 | 20 | 25 | 37 | 17 | 25 |
| 289 | 127 | 26 | -27 | 69 | 69 | 60 | 33 | 21 | 25 | 40 | 17 | 25 |
| 290 | 127 | 47 | -28 | 48 | 48 | 41 | 32 | 21 | 24 | 39 | 17 | 25 |
| 291 | 128 | 6 | -28 | 63 | 62 | 55 | 31 | 21 | 23 | 39 | 17 | 24 |
| 292 | 128 | 28 | -20 | 78 | 78 | 69 | 34 | 21 | 24 | 42 | 17 | 24 |
| 293 | 128 | 49 | -20 | 49 | 48 | 41 | 33 | 21 | 25 | 33 | 17 | 25 |
| 294 | 129 | 3 | -24 | 87 | 87 | 69 | 31 | 21 | 23 | 37 | 17 | 24 |
| 295 | 129 | 30 | -24 | 77 | 77 | 68 | 33 | 21 | 24 | 42 | 17 | 25 |

| 3-01 SPEED KNOTS | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER CHMGR TEMP OUT DEG.C | 3-07 HEATER MAIN DUCT LS FWD DEG.C | 3-08 HEATER MAIN DUCT RS FWD DEG.C | 3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C | 3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C | 3-11 DIST. DUCT OUTLET STAG60 -470PS DEG.C | 3-12 DIST. DUCT OUTLET STAG60 -470PS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C |
|------------------------|----------------------|----------------------|---------------------------------------|---|---|---|---|---|--|--|---|--|
| 296 | 129 | 50 | -28 | 53 | 53 | 45 | 33 | 21 | 24 | 34 | 17 | 25 |
| 297 | 130 | 51 | -28 | 65 | 64 | 56 | 32 | 22 | 22 | 39 | 17 | 24 |
| 298 | 131 | 51 | -28 | 83 | 83 | 73 | 35 | 22 | 24 | 45 | 17 | 25 |
| 299 | 130 | 52 | -28 | 56 | 56 | 47 | 38 | 22 | 26 | 35 | 18 | 25 |
| 300 | 131 | 42 | -28 | 54 | 54 | 47 | 32 | 22 | 24 | 37 | 18 | 25 |
| 301 | 131 | 33 | -21 | 75 | 74 | 66 | 33 | 22 | 24 | 42 | 18 | 24 |
| 302 | 131 | 53 | -29 | 51 | 51 | 44 | 33 | 22 | 25 | 34 | 18 | 23 |
| 303 | 132 | 14 | -24 | 61 | 60 | 52 | 31 | 22 | 24 | 38 | 18 | 23 |
| 304 | 132 | 34 | -24 | 76 | 76 | 66 | 34 | 22 | 26 | 42 | 18 | 23 |
| 305 | 132 | 55 | -24 | 46 | 46 | 39 | 34 | 22 | 25 | 31 | 18 | 24 |
| 306 | 133 | 15 | -24 | 46 | 45 | 39 | 29 | 22 | 25 | 33 | 18 | 22 |
| 307 | 133 | 36 | -21 | 69 | 70 | 61 | 31 | 22 | 22 | 33 | 18 | 22 |
| 308 | 133 | 56 | -20 | 49 | 49 | 41 | 31 | 22 | 23 | 31 | 18 | 22 |
| 309 | 134 | 17 | -28 | 57 | 56 | 49 | 29 | 22 | 22 | 36 | 17 | 22 |
| 310 | 134 | 37 | -21 | 78 | 79 | 69 | 32 | 22 | 23 | 42 | 17 | 22 |
| 311 | 134 | 58 | -28 | 54 | 55 | 46 | 33 | 22 | 25 | 34 | 18 | 22 |
| 312 | 135 | 18 | -28 | 48 | 48 | 41 | 38 | 22 | 23 | 34 | 18 | 22 |
| 313 | 135 | 38 | -28 | 69 | 70 | 61 | 32 | 22 | 22 | 34 | 18 | 22 |
| 314 | 135 | 58 | -27 | 49 | 49 | 42 | 32 | 22 | 24 | 32 | 18 | 22 |
| 315 | 136 | 16 | -29 | 46 | 45 | 39 | 29 | 22 | 22 | 32 | 18 | 22 |
| 316 | 136 | 38 | -28 | 71 | 71 | 62 | 30 | 22 | 22 | 41 | 18 | 22 |
| 317 | 136 | 58 | -27 | 72 | 72 | 62 | 34 | 22 | 24 | 40 | 18 | 22 |
| 318 | 137 | 18 | -28 | 46 | 45 | 38 | 33 | 22 | 24 | 33 | 19 | 22 |
| 319 | 137 | 38 | -28 | 63 | 63 | 55 | 32 | 22 | 22 | 39 | 18 | 22 |
| 320 | 137 | 58 | -27 | 59 | 59 | 50 | 33 | 22 | 24 | 36 | 18 | 22 |
| 321 | 138 | 18 | -27 | 62 | 62 | 55 | 32 | 22 | 24 | 38 | 18 | 22 |
| 322 | 138 | 38 | -26 | 82 | 82 | 72 | 33 | 22 | 26 | 45 | 18 | 22 |
| 323 | 138 | 58 | -27 | 59 | 59 | 51 | 35 | 22 | 26 | 36 | 19 | 23 |
| 324 | 139 | 18 | -26 | 31 | 31 | 26 | 30 | 22 | 24 | 28 | 19 | 23 |
| 325 | 139 | 38 | -28 | 51 | 51 | 44 | 27 | 22 | 22 | 34 | 18 | 22 |
| 326 | 139 | 58 | -28 | 36 | 37 | 31 | 27 | 22 | 21 | 26 | 18 | 22 |
| 327 | 140 | 18 | -29 | 36 | 37 | 31 | 25 | 22 | 19 | 28 | 17 | 21 |
| 328 | 140 | 38 | -21 | 64 | 64 | 55 | 26 | 28 | 19 | 37 | 17 | 21 |
| 329 | 140 | 58 | -22 | 44 | 44 | 40 | 28 | 19 | 21 | 37 | 18 | 15 |
| 330 | 141 | 18 | -19 | 47 | 46 | 40 | 26 | 18 | 21 | 33 | 17 | 13 |
| 331 | 141 | 38 | -18 | 66 | 68 | 59 | 27 | 19 | 21 | 39 | 16 | 15 |
| 332 | 141 | 57 | -17 | 44 | 42 | 37 | 28 | 18 | 23 | 29 | 15 | 17 |
| 333 | 142 | 17 | -19 | 37 | 37 | 32 | 25 | 16 | 22 | 29 | 15 | 16 |
| 334 | 142 | 37 | -21 | 67 | 67 | 59 | 26 | 15 | 20 | 39 | 14 | 16 |
| 335 | 142 | 57 | -21 | 68 | 68 | 59 | 29 | 17 | 24 | 38 | 16 | 18 |
| 336 | 143 | 16 | -23 | 41 | 40 | 34 | 28 | 17 | 24 | 30 | 16 | 18 |
| 337 | 143 | 36 | -23 | 60 | 60 | 53 | 27 | 17 | 22 | 38 | 16 | 18 |
| 338 | 143 | 56 | -25 | 80 | 81 | 71 | 29 | 16 | 24 | 44 | 15 | 19 |
| 339 | 144 | 16 | -26 | 53 | 53 | 44 | 31 | 18 | 26 | 34 | 16 | 19 |
| 340 | 144 | 36 | -25 | 44 | 44 | 39 | 28 | 17 | 24 | 34 | 16 | 19 |
| 341 | 144 | 55 | -24 | 59 | 58 | 50 | 28 | 17 | 23 | 35 | 16 | 19 |
| 342 | 145 | 15 | -28 | 38 | 37 | 32 | 26 | 16 | 22 | 35 | 15 | 18 |
| 343 | 145 | 35 | -24 | 59 | 57 | 49 | 26 | 16 | 21 | 35 | 15 | 18 |
| 344 | 145 | 55 | -27 | 44 | 44 | 36 | 27 | 15 | 21 | 37 | 14 | 17 |
| 345 | 146 | 15 | -27 | 58 | 58 | 50 | 25 | 13 | 21 | 37 | 14 | 17 |

| -01 SWEEP COUNT | 1-02 TIME "IN. | 3-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C | 3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C | 3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C | 3-09 DISTR. DUCT OUTLET (CKPIT L.S.) DEG.C | 3-10 DISTR. DUCT OUTLET (CKPIT R.S.) DEG.C | 3-11 DISTR. DUCT OUTLET STAG60 -470RS DEG.C | 3-12 DISTR. DUCT OUTLET STAG60 -470LS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS HEAD LEVEL AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|--|--|--|--|--|---|---|---|---|
| 346 | 146 | 35 | -26 | 78 | 78 | 68 | 29 | 14 | 22 | 43 | 14 | 13 |
| 347 | 146 | 54 | -27 | 59 | 58 | 49 | 30 | 14 | 25 | 37 | 15 | 11 |
| 348 | 147 | 14 | -21 | 69 | 67 | 59 | 30 | 12 | 25 | 41 | 14 | 9 |
| 349 | 147 | 34 | -21 | 64 | 64 | 64 | 32 | 11 | 27 | 49 | 14 | 8 |
| 350 | 147 | 54 | -27 | 94 | 95 | 83 | 36 | 11 | 29 | 53 | 14 | 6 |
| 351 | 148 | 14 | -28 | 69 | 69 | 59 | 31 | 10 | 31 | 44 | 14 | 8 |
| 352 | 148 | 34 | -28 | 68 | 67 | 58 | 34 | 9 | 29 | 44 | 13 | 7 |
| 353 | 148 | 53 | -25 | 75 | 74 | 65 | 34 | 11 | 28 | 43 | 14 | 9 |
| 354 | 149 | 13 | -25 | 42 | 42 | 35 | 32 | 12 | 27 | 31 | 14 | 11 |
| 355 | 149 | 33 | -27 | 45 | 44 | 39 | 27 | 12 | 24 | 33 | 14 | 11 |
| 356 | 149 | 53 | -27 | 70 | 70 | 62 | 28 | 12 | 23 | 42 | 14 | 11 |
| 357 | 150 | 12 | -25 | 86 | 86 | 77 | 33 | 14 | 26 | 48 | 13 | 12 |
| 358 | 150 | 32 | -27 | 56 | 56 | 48 | 33 | 13 | 27 | 34 | 14 | 11 |
| 359 | 150 | 52 | -27 | 44 | 43 | 38 | 29 | 13 | 25 | 33 | 14 | 11 |
| 360 | 151 | 12 | -27 | 40 | 40 | 33 | 28 | 14 | 23 | 37 | 14 | 10 |
| 361 | 151 | 31 | -26 | 47 | 47 | 38 | 28 | 14 | 23 | 37 | 14 | 11 |
| 362 | 151 | 51 | -26 | 151 | 151 | 131 | 25 | 13 | 21 | 32 | 13 | 9 |
| 363 | 152 | 11 | -24 | 69 | 68 | 59 | 26 | 14 | 21 | 38 | 13 | 9 |
| 364 | 152 | 31 | -27 | 54 | 52 | 45 | 26 | 15 | 23 | 35 | 13 | 9 |
| 365 | 152 | 51 | -27 | 70 | 70 | 59 | 29 | 14 | 23 | 40 | 14 | 11 |
| 366 | 153 | 10 | -27 | 71 | 71 | 61 | 31 | 13 | 25 | 39 | 14 | 11 |
| 367 | 153 | 30 | -27 | 71 | 78 | 61 | 31 | 14 | 25 | 42 | 14 | 11 |
| 368 | 153 | 50 | -27 | 85 | 86 | 78 | 33 | 13 | 26 | 48 | 14 | 11 |
| 369 | 154 | 9 | -28 | 95 | 96 | 84 | 36 | 16 | 26 | 52 | 14 | 12 |
| 370 | 154 | 29 | -28 | 77 | 77 | 66 | 37 | 17 | 31 | 46 | 16 | 14 |
| 371 | 154 | 49 | -28 | 85 | 85 | 74 | 36 | 17 | 30 | 51 | 16 | 14 |
| 372 | 155 | 9 | -26 | 96 | 96 | 86 | 39 | 16 | 31 | 55 | 15 | 13 |
| 373 | 155 | 29 | -26 | 104 | 106 | 94 | 42 | 17 | 33 | 59 | 15 | 13 |
| 374 | 155 | 48 | -26 | 110 | 111 | 108 | 45 | 16 | 36 | 59 | 15 | 13 |
| 375 | 156 | 8 | -24 | 81 | 81 | 70 | 43 | 18 | 36 | 50 | 16 | 15 |
| 376 | 156 | 28 | -26 | 77 | 76 | 67 | 48 | 18 | 34 | 49 | 17 | 15 |
| 377 | 156 | 47 | -24 | 91 | 91 | 81 | 48 | 19 | 33 | 55 | 16 | 16 |
| 378 | 157 | 7 | -22 | 94 | 94 | 83 | 42 | 17 | 34 | 54 | 17 | 17 |
| 379 | 157 | 27 | -22 | 72 | 71 | 62 | 41 | 20 | 34 | 48 | 17 | 17 |
| 380 | 157 | 47 | -21 | 85 | 83 | 74 | 40 | 22 | 37 | 51 | 18 | 18 |
| 381 | 158 | 6 | -21 | 62 | 62 | 54 | 39 | 22 | 31 | 41 | 17 | 17 |
| 382 | 158 | 26 | -22 | 93 | 92 | 85 | 36 | 23 | 29 | 39 | 18 | 18 |
| 383 | 158 | 46 | -21 | 76 | 76 | 67 | 35 | 23 | 27 | 47 | 18 | 18 |
| 384 | 159 | 5 | -21 | 96 | 96 | 86 | 38 | 21 | 30 | 55 | 17 | 17 |
| 385 | 159 | 25 | -21 | 72 | 72 | 61 | 39 | 22 | 32 | 44 | 18 | 18 |
| 386 | 159 | 45 | -27 | 66 | 66 | 57 | 36 | 22 | 31 | 45 | 18 | 18 |
| 387 | 160 | 4 | -28 | 82 | 82 | 72 | 38 | 23 | 31 | 45 | 18 | 18 |
| 388 | 160 | 24 | -24 | 85 | 85 | 73 | 38 | 23 | 31 | 49 | 19 | 19 |
| 389 | 160 | 44 | -24 | 60 | 60 | 51 | 38 | 22 | 32 | 42 | 19 | 19 |
| 390 | 161 | 3 | -28 | 72 | 72 | 63 | 36 | 22 | 30 | 47 | 18 | 18 |
| 391 | 161 | 23 | -29 | 87 | 87 | 77 | 38 | 22 | 30 | 53 | 17 | 17 |
| 392 | 161 | 43 | -21 | 72 | 72 | 62 | 48 | 23 | 31 | 44 | 18 | 18 |
| 393 | 162 | 2 | -29 | 66 | 66 | 57 | 38 | 22 | 30 | 44 | 18 | 18 |
| 394 | 162 | 22 | -26 | 81 | 81 | 71 | 34 | 22 | 30 | 48 | 18 | 18 |
| 395 | 163 | 26 | -24 | 77 | 77 | 67 | 38 | 23 | 31 | 49 | 18 | 18 |

| 3-01 ANGEP COUNT | 3-02 TIME SEC. | 3-03 TIME SEC. | 3-05 COEFF | 3-06 WEATHER PLENUM CHMTR TEMP DEG.C | 3-07 HEATER MAIN DUCT LS FWD DEG.C | 3-08 HEATER MAIN DUCT RS FWD DEG.C | 3-09 DIST. DUCT OUTLET (CMPIT L.S.) DEG.C | 3-10 DIST. DUCT OUTLET (CMPIT R.S.) DEG.C | 3-11 DIST. DUCT OUTLET STAGE0 -470RS DEG.C | 3-12 DIST. DUCT OUTLET STAGE0 -470RS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS HAIST LEVEL AIR TEMP DEG.C |
|------------------------|----------------------|----------------------|---------------|---|---|---|---|---|--|--|---|--|
| 396 | 163 | 45 | -28 | 90 | 80 | 37 | 22 | 31 | 52 | 52 | 10 | 15 |
| 397 | 164 | 5 | -28 | 65 | 56 | 36 | 24 | 32 | 44 | 44 | 17 | 15 |
| 398 | 166 | 54 | -24 | 33 | 29 | 35 | 25 | 32 | 31 | 31 | 18 | 16 |
| 399 | 167 | 13 | -24 | 64 | 34 | 30 | 22 | 26 | 35 | 35 | 17 | 14 |
| 400 | 167 | 33 | -21 | 56 | 56 | 31 | 23 | 25 | 41 | 41 | 17 | 15 |
| 401 | 169 | 27 | -26 | 26 | 22 | 26 | 21 | 22 | 26 | 26 | 15 | 15 |
| 402 | 172 | 2 | -28 | 49 | 41 | 27 | 20 | 22 | 34 | 34 | 15 | 15 |
| 403 | 172 | 21 | -25 | 78 | 69 | 30 | 19 | 23 | 43 | 43 | 15 | 15 |
| 404 | 172 | 41 | -21 | 66 | 56 | 33 | 20 | 25 | 37 | 37 | 16 | 15 |
| 405 | 174 | 35 | -26 | 45 | 38 | 31 | 19 | 26 | 32 | 32 | 17 | 17 |
| 406 | 174 | 55 | -24 | 58 | 49 | 29 | 19 | 24 | 37 | 37 | 15 | 15 |
| 407 | 175 | 14 | -32 | 65 | 55 | 31 | 20 | 25 | 37 | 37 | 16 | 16 |
| 408 | 177 | 9 | -32 | 68 | 67 | 28 | 21 | 22 | 39 | 39 | 16 | 17 |
| 409 | 178 | 8 | -31 | 66 | 66 | 34 | 21 | 22 | 39 | 39 | 17 | 19 |
| 410 | 178 | 19 | -34 | 75 | 78 | 34 | 21 | 26 | 46 | 46 | 17 | 19 |
| 411 | 178 | 39 | -36 | 70 | 62 | 35 | 22 | 28 | 42 | 42 | 17 | 19 |
| 412 | 178 | 58 | -31 | 36 | 33 | 33 | 22 | 26 | 32 | 32 | 17 | 19 |
| 413 | 179 | 18 | -33 | 48 | 52 | 30 | 21 | 24 | 35 | 35 | 17 | 19 |
| 414 | 179 | 38 | -36 | 69 | 61 | 31 | 21 | 24 | 41 | 41 | 17 | 19 |
| 415 | 179 | 57 | -39 | 40 | 33 | 31 | 21 | 25 | 41 | 41 | 16 | 19 |
| 416 | 180 | 17 | -39 | 40 | 38 | 27 | 21 | 22 | 30 | 30 | 16 | 19 |
| 417 | 180 | 36 | -35 | 62 | 62 | 28 | 20 | 22 | 38 | 38 | 17 | 18 |
| 418 | 180 | 56 | -31 | 59 | 59 | 31 | 11 | 22 | 35 | 35 | 15 | 18 |
| 419 | 181 | 15 | -35 | 49 | 49 | 29 | 20 | 24 | 37 | 37 | 17 | 17 |
| 420 | 181 | 35 | -31 | 45 | 45 | 28 | 20 | 25 | 29 | 29 | 17 | 14 |
| 421 | 181 | 55 | -36 | 45 | 39 | 39 | 21 | 24 | 29 | 29 | 17 | 12 |
| 422 | 182 | 14 | -35 | 44 | 44 | 40 | 28 | 24 | 28 | 28 | 15 | 11 |
| 423 | 182 | 34 | -37 | 45 | 42 | 22 | 28 | 24 | 22 | 22 | 14 | 11 |
| 424 | 182 | 53 | -38 | 41 | 38 | 20 | 20 | 23 | 22 | 22 | 14 | 11 |
| 425 | 183 | 13 | -38 | 42 | 41 | 20 | 19 | 17 | 18 | 18 | 14 | 9 |
| 426 | 183 | 32 | -38 | 41 | 39 | 17 | 19 | 14 | 15 | 15 | 14 | 9 |
| 427 | 183 | 52 | -25 | 41 | 37 | 15 | 18 | 12 | 11 | 11 | 11 | 9 |
| 428 | 184 | 11 | -20 | 40 | 36 | 16 | 19 | 10 | 10 | 10 | 8 | 9 |
| 429 | 184 | 31 | -28 | 37 | 34 | 13 | 17 | 6 | 6 | 6 | 7 | 7 |
| 430 | 184 | 51 | -18 | 36 | 32 | 13 | 17 | 6 | 5 | 5 | 6 | 6 |
| 431 | 185 | 11 | -15 | 34 | 31 | 12 | 16 | 4 | 4 | 4 | 6 | 6 |
| 432 | 185 | 31 | -14 | 34 | 29 | 11 | 16 | 4 | 4 | 4 | 5 | 5 |
| 433 | 185 | 51 | -15 | 33 | 30 | 10 | 14 | 4 | 6 | 6 | 6 | 2 |
| 434 | 186 | 11 | -13 | 33 | 28 | 9 | 15 | 3 | 3 | 3 | 5 | 5 |
| 435 | 186 | 31 | -10 | 32 | 26 | 9 | 14 | 3 | 3 | 3 | 4 | 4 |
| 436 | 186 | 50 | -8 | 31 | 25 | 9 | 14 | 0 | 0 | 0 | 4 | 4 |
| 437 | 187 | 9 | -5 | 30 | 24 | 9 | 14 | 0 | 0 | 0 | 4 | 5 |
| 438 | 187 | 29 | -3 | 29 | 22 | 9 | 14 | 0 | 0 | 0 | 4 | 5 |
| 439 | 187 | 48 | -1 | 27 | 22 | 9 | 14 | 0 | 0 | 0 | 4 | 5 |
| 440 | 189 | 36 | 4 | 24 | 16 | 9 | 12 | -1 | -2 | -2 | 6 | 3 |
| 441 | 191 | 9 | 5 | 20 | 13 | 8 | 11 | -2 | -3 | -3 | 4 | 2 |
| 442 | 191 | 29 | 6 | 19 | 13 | 6 | 11 | -3 | -4 | -4 | 4 | 2 |
| 443 | 191 | 48 | 6 | 18 | 12 | 6 | 11 | -3 | -4 | -4 | 4 | 1 |
| 444 | 192 | 8 | 6 | 18 | 12 | 6 | 11 | -3 | -4 | -4 | 4 | 1 |
| 445 | 193 | 58 | 4 | 15 | 10 | 7 | 8 | -5 | -6 | -6 | 2 | 0 |

| 3-01 SLEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C | 3-07 HEATER MAIN DUCT LS FWD DEG.C | 3-08 HEATER MAIN DUCT RS FWD DEG.C | 3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C | 3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C | 3-11 DIST. DUCT OUTLET STAN60 -470RS DEG.C | 3-12 DIST. DUCT OUTLET STAN60 -470LS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS WAST LEVEL AIR TEMP DEG.C |
|------------------------|----------------------|----------------------|---------------------------------------|--|---|---|---|---|--|--|---|---|
| 446 | 196 | 14 | -2 | 4 | 0 | 0 | 0 | 0 | -12 | -8 | -8 | -8 |
| 447 | 198 | 33 | -4 | 3 | -0 | -0 | 0 | 0 | -11 | -7 | -6 | -6 |
| 448 | 199 | 53 | -5 | 2 | -1 | -1 | -0 | -0 | -10 | -6 | -6 | -6 |
| 449 | 207 | 1 | -10 | -1 | -2 | -3 | 0 | -0 | -1 | 3 | -5 | -6 |
| 450 | 207 | 21 | -10 | -0 | -3 | -2 | 0 | -0 | -0 | 3 | -6 | -6 |
| 451 | 207 | 40 | -10 | 1 | -2 | -3 | 0 | -0 | -1 | 2 | -6 | -6 |
| 452 | 208 | 1 | -10 | -1 | -2 | -2 | 0 | -0 | -1 | 4 | -5 | -6 |
| 453 | 212 | 21 | -11 | -1 | -2 | -2 | 1 | -0 | 0 | 4 | -4 | -7 |
| 454 | 212 | 41 | -12 | -2 | -2 | -1 | 0 | -1 | -8 | 5 | -5 | -7 |
| 455 | 213 | 0 | -12 | -1 | -2 | -1 | 1 | -0 | -8 | 4 | -5 | -7 |
| 456 | 213 | 21 | -12 | -2 | -2 | -1 | 1 | -0 | - | 4 | -5 | -7 |
| 457 | 217 | 40 | -14 | -3 | -3 | -1 | 0 | -2 | 0 | 4 | -6 | -8 |
| 458 | 217 | 59 | -14 | -3 | -3 | -2 | 0 | -2 | 0 | 4 | -6 | -8 |
| 459 | 218 | 21 | -14 | -3 | -3 | -2 | 0 | -2 | 0 | 4 | -6 | -8 |
| 460 | 222 | 37 | -16 | -3 | -3 | -2 | 0 | -2 | 0 | 5 | -6 | -8 |
| 461 | 222 | 57 | -16 | -4 | -3 | -1 | 0 | -2 | 0 | 5 | -6 | -8 |
| 462 | 223 | 16 | -15 | -3 | -4 | -2 | 0 | -2 | 0 | 4 | -5 | -8 |
| 463 | 226 | 55 | -15 | -2 | -2 | -2 | 1 | -0 | 1 | 3 | -7 | -7 |
| 464 | 227 | 14 | -15 | -2 | -1 | -1 | 0 | -0 | 2 | 1 | -7 | -7 |
| 465 | 227 | 34 | -15 | -2 | -2 | -2 | 0 | -0 | 1 | 2 | -7 | -7 |
| 466 | 231 | 12 | -15 | -2 | -1 | -1 | 0 | -0 | 0 | 2 | -7 | -7 |
| 467 | 231 | 32 | -16 | -2 | -2 | -2 | 0 | -1 | 0 | 6 | -7 | -7 |
| 468 | 231 | 51 | -16 | -2 | -2 | -2 | 0 | -1 | 1 | 7 | -7 | -7 |
| 469 | 235 | 29 | -16 | -4 | -2 | -2 | 0 | -1 | 0 | 8 | -8 | -8 |
| 470 | 235 | 49 | -16 | -3 | -2 | -2 | 0 | -1 | 0 | 8 | -8 | -8 |
| 471 | 236 | 0 | -17 | -3 | -2 | -2 | 0 | -2 | 0 | 8 | -8 | -8 |
| 472 | 239 | 46 | -17 | -4 | -3 | -3 | -8 | -2 | 1 | 5 | -9 | -9 |
| 473 | 248 | 5 | -17 | -5 | -3 | -3 | 0 | -2 | 1 | 5 | -9 | -9 |
| 474 | 248 | 24 | -17 | -4 | -3 | -3 | 0 | -2 | 0 | 6 | -9 | -9 |
| 475 | 244 | 2 | -17 | -4 | -3 | -3 | -8 | -3 | 0 | 6 | -9 | -9 |
| 476 | 244 | 21 | -18 | -5 | -4 | -4 | -8 | -3 | 0 | 7 | -9 | -9 |
| 477 | 244 | 40 | -18 | -5 | -4 | -4 | -8 | -3 | 0 | 8 | -9 | -9 |
| 478 | 248 | 17 | -19 | -4 | -4 | -4 | -1 | -3 | 0 | 7 | -9 | -9 |
| 479 | 248 | 36 | -19 | -4 | -4 | -4 | 0 | -2 | 0 | 8 | -9 | -9 |
| 480 | 248 | 56 | -17 | -3 | -2 | -2 | 1 | -2 | 0 | 8 | -9 | -9 |
| 481 | 248 | 56 | -17 | -3 | -2 | -2 | 1 | -2 | 0 | 8 | -9 | -9 |

MH-93C S/N 68-10354
 ARCTIC TEST
 9 JANUARY 1971
 RUN NO. 2

-40 DEG C / -40 DEG F

| -81 SHEEP COUNT | 3-02 TIME -IN. | 3-03 TIME SEC. | 3-15 PILOTS | | 3-16 PILOTS | | 3-17 CO-PILOT | | 3-18 CO-PILOT | | 3-19 CO-PILOT | | 3-20 CO-PILOT | | 3-21 CARGO | | 3-22 CARGO | | 3-23 CARGO | | 3-24 CARGO | |
|-----------------------|----------------------|----------------------|----------------|-------------|----------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|---------------|-------------|---------------|----------------|---------------|-------------|----------------|---------------|
| | | | FOOT LEVEL | AIR TEMP | FOOT LEVEL | AIR TEMP | HEAD LEVEL | AIR TEMP | HEAD LEVEL | AIR TEMP | MAIST LEVEL | AIR TEMP | FOOT LEVEL | AIR TEMP | HEAD LEVEL | AIR TEMP | AREA FND | MAIST LEVEL | FOOT LEVEL | AREA FND | MAIST LEVEL | FOOT LEVEL |
| 1 | 0 | 0 | -20 | -26 | -6 | -15 | -22 | -26 | -10 | -10 | -10 | -10 | -28 | -10 | -28 | -10 | -28 | -28 | -28 | -28 | -28 | -28 |
| 2 | 0 | 20 | -20 | -26 | -6 | -15 | -22 | -26 | -10 | -10 | -10 | -10 | -28 | -10 | -28 | -10 | -28 | -27 | -27 | -27 | -27 | -27 |
| 3 | 0 | 40 | -20 | -26 | -6 | -15 | -22 | -26 | -10 | -10 | -10 | -10 | -28 | -10 | -28 | -10 | -28 | -28 | -28 | -28 | -28 | -28 |
| 4 | 1 | 0 | -20 | -25 | -6 | -16 | -22 | -25 | -9 | -9 | -9 | -9 | -28 | -9 | -28 | -9 | -28 | -28 | -28 | -28 | -28 | -28 |
| 5 | 1 | 20 | -20 | -24 | -6 | -16 | -21 | -25 | -9 | -9 | -9 | -9 | -28 | -9 | -28 | -9 | -28 | -28 | -28 | -28 | -28 | -28 |
| 6 | 1 | 40 | -20 | -25 | -7 | -16 | -21 | -25 | -9 | -9 | -9 | -9 | -28 | -9 | -28 | -9 | -28 | -28 | -28 | -28 | -28 | -28 |
| 7 | 2 | 0 | -20 | -25 | -7 | -16 | -21 | -25 | -9 | -9 | -9 | -9 | -28 | -9 | -28 | -9 | -28 | -28 | -28 | -28 | -28 | -28 |
| 8 | 2 | 20 | -21 | -25 | -6 | -16 | -21 | -25 | -10 | -10 | -10 | -10 | -29 | -10 | -29 | -10 | -29 | -29 | -29 | -29 | -29 | -29 |
| 9 | 2 | 40 | -21 | -25 | -7 | -16 | -21 | -25 | -10 | -10 | -10 | -10 | -29 | -10 | -29 | -10 | -29 | -29 | -29 | -29 | -29 | -29 |
| 10 | 3 | 0 | -21 | -25 | -7 | -16 | -21 | -25 | -10 | -10 | -10 | -10 | -29 | -10 | -29 | -10 | -29 | -29 | -29 | -29 | -29 | -29 |
| 11 | 3 | 20 | -22 | -26 | -8 | -16 | -22 | -26 | -10 | -10 | -10 | -10 | -30 | -10 | -30 | -10 | -30 | -30 | -30 | -30 | -30 | -30 |
| 12 | 3 | 40 | -21 | -25 | -8 | -16 | -22 | -26 | -11 | -11 | -11 | -11 | -31 | -11 | -31 | -11 | -31 | -31 | -31 | -31 | -31 | -31 |
| 13 | 4 | 0 | -21 | -25 | -8 | -16 | -22 | -26 | -11 | -11 | -11 | -11 | -31 | -11 | -31 | -11 | -31 | -31 | -31 | -31 | -31 | -31 |
| 14 | 4 | 20 | -22 | -26 | -8 | -16 | -22 | -26 | -11 | -11 | -11 | -11 | -31 | -11 | -31 | -11 | -31 | -31 | -31 | -31 | -31 | -31 |
| 15 | 4 | 40 | -22 | -26 | -9 | -16 | -22 | -26 | -11 | -11 | -11 | -11 | -31 | -11 | -31 | -11 | -31 | -31 | -31 | -31 | -31 | -31 |
| 16 | 5 | 0 | -21 | -25 | -8 | -16 | -22 | -26 | -11 | -11 | -11 | -11 | -31 | -11 | -31 | -11 | -31 | -31 | -31 | -31 | -31 | -31 |
| 17 | 5 | 20 | -21 | -26 | -8 | -16 | -22 | -26 | -11 | -11 | -11 | -11 | -31 | -11 | -31 | -11 | -31 | -31 | -31 | -31 | -31 | -31 |
| 18 | 5 | 40 | -21 | -26 | -8 | -16 | -22 | -26 | -11 | -11 | -11 | -11 | -31 | -11 | -31 | -11 | -31 | -31 | -31 | -31 | -31 | -31 |
| 19 | 6 | 0 | -21 | -25 | -8 | -17 | -22 | -25 | -12 | -12 | -12 | -12 | -32 | -12 | -32 | -12 | -32 | -32 | -32 | -32 | -32 | -32 |
| 20 | 6 | 20 | -21 | -25 | -9 | -16 | -22 | -25 | -12 | -12 | -12 | -12 | -32 | -12 | -32 | -12 | -32 | -32 | -32 | -32 | -32 | -32 |
| 21 | 6 | 40 | -22 | -24 | -9 | -16 | -23 | -26 | -12 | -12 | -12 | -12 | -32 | -12 | -32 | -12 | -32 | -32 | -32 | -32 | -32 | -32 |
| 22 | 7 | 1 | -21 | -24 | -9 | -16 | -23 | -26 | -13 | -13 | -13 | -13 | -33 | -13 | -33 | -13 | -33 | -33 | -33 | -33 | -33 | -33 |
| 23 | 7 | 21 | -22 | -26 | -10 | -18 | -23 | -26 | -13 | -13 | -13 | -13 | -33 | -13 | -33 | -13 | -33 | -33 | -33 | -33 | -33 | -33 |
| 24 | 7 | 41 | -22 | -27 | -10 | -18 | -23 | -27 | -14 | -14 | -14 | -14 | -34 | -14 | -34 | -14 | -34 | -34 | -34 | -34 | -34 | -34 |
| 25 | 8 | 1 | -22 | -26 | -10 | -18 | -23 | -27 | -14 | -14 | -14 | -14 | -34 | -14 | -34 | -14 | -34 | -34 | -34 | -34 | -34 | -34 |
| 26 | 8 | 21 | -22 | -26 | -10 | -19 | -23 | -26 | -14 | -14 | -14 | -14 | -34 | -14 | -34 | -14 | -34 | -34 | -34 | -34 | -34 | -34 |
| 27 | 8 | 41 | -23 | -26 | -10 | -19 | -23 | -26 | -14 | -14 | -14 | -14 | -34 | -14 | -34 | -14 | -34 | -34 | -34 | -34 | -34 | -34 |
| 28 | 9 | 1 | -22 | -27 | -10 | -19 | -23 | -27 | -15 | -15 | -15 | -15 | -35 | -15 | -35 | -15 | -35 | -35 | -35 | -35 | -35 | -35 |
| 29 | 9 | 21 | -22 | -26 | -10 | -19 | -23 | -26 | -15 | -15 | -15 | -15 | -35 | -15 | -35 | -15 | -35 | -35 | -35 | -35 | -35 | -35 |
| 30 | 9 | 41 | -23 | -26 | -11 | -19 | -23 | -26 | -15 | -15 | -15 | -15 | -35 | -15 | -35 | -15 | -35 | -35 | -35 | -35 | -35 | -35 |
| 31 | 10 | 1 | -23 | -27 | -11 | -19 | -23 | -27 | -16 | -16 | -16 | -16 | -36 | -16 | -36 | -16 | -36 | -36 | -36 | -36 | -36 | -36 |
| 32 | 12 | 32 | -23 | -27 | -12 | -20 | -23 | -27 | -17 | -17 | -17 | -17 | -37 | -17 | -37 | -17 | -37 | -37 | -37 | -37 | -37 | -37 |
| 33 | 17 | 1 | -24 | -27 | -12 | -20 | -23 | -27 | -17 | -17 | -17 | -17 | -37 | -17 | -37 | -17 | -37 | -37 | -37 | -37 | -37 | -37 |
| 34 | 17 | 17 | -24 | -28 | -14 | -22 | -27 | -27 | -17 | -17 | -17 | -17 | -37 | -17 | -37 | -17 | -37 | -37 | -37 | -37 | -37 | -37 |
| 35 | 17 | 42 | -24 | -28 | -14 | -22 | -27 | -27 | -17 | -17 | -17 | -17 | -37 | -17 | -37 | -17 | -37 | -37 | -37 | -37 | -37 | -37 |
| 36 | 21 | 30 | -24 | -27 | -15 | -23 | -27 | -27 | -18 | -18 | -18 | -18 | -38 | -18 | -38 | -18 | -38 | -38 | -38 | -38 | -38 | -38 |
| 37 | 21 | 51 | -24 | -27 | -15 | -23 | -27 | -27 | -18 | -18 | -18 | -18 | -38 | -18 | -38 | -18 | -38 | -38 | -38 | -38 | -38 | -38 |
| 38 | 22 | 1 | -24 | -28 | -17 | -23 | -27 | -27 | -19 | -19 | -19 | -19 | -39 | -19 | -39 | -19 | -39 | -39 | -39 | -39 | -39 | -39 |
| 39 | 22 | 31 | -24 | -28 | -17 | -23 | -27 | -27 | -19 | -19 | -19 | -19 | -39 | -19 | -39 | -19 | -39 | -39 | -39 | -39 | -39 | -39 |
| 40 | 23 | 21 | -24 | -29 | -17 | -23 | -27 | -27 | -20 | -20 | -20 | -20 | -40 | -20 | -40 | -20 | -40 | -40 | -40 | -40 | -40 | -40 |
| 41 | 23 | 41 | -24 | -29 | -18 | -23 | -27 | -27 | -20 | -20 | -20 | -20 | -40 | -20 | -40 | -20 | -40 | -40 | -40 | -40 | -40 | -40 |
| 42 | 24 | 2 | -27 | -29 | -17 | -24 | -28 | -28 | -20 | -20 | -20 | -20 | -40 | -20 | -40 | -20 | -40 | -40 | -40 | -40 | -40 | -40 |
| 43 | 24 | 24 | -27 | -29 | -17 | -24 | -28 | -28 | -20 | -20 | -20 | -20 | -40 | -20 | -40 | -20 | -40 | -40 | -40 | -40 | -40 | -40 |
| 44 | 24 | 43 | -26 | -29 | -17 | -24 | -28 | -28 | -20 | -20 | -20 | -20 | -40 | -20 | -40 | -20 | -40 | -40 | -40 | -40 | -40 | -40 |
| 45 | 25 | 7 | -26 | -29 | -16 | -24 | -28 | -28 | -21 | -21 | -21 | -21 | -41 | -21 | -41 | -21 | -41 | -41 | -41 | -41 | -41 | -41 |

| 81 | SWEEP | TIME | TIME | 3-03 | 3-15 | 3-16 | 3-17 | 3-18 | 3-19 | 3-20 | 3-21 | 3-22 | 3-23 | 3-24 |
|------|-------|------|------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| OUNT | SEC. | MIN. | SEC. | CO-PLT | PILOTS | PILOTS | CO-PLT | CO-PLT | CO-PLT | CO-PLT | CARGO | CARGO | CARGO | CARGO |
| | | | | HEAD | FOOT | FOOT | HEAD | HAIST | FOOT | FLOOR | AREA | AREA | AREA | AREA |
| | | | | LEVEL | LEVEL | LEVEL | LEVEL | LEVEL | LEVEL | MASS | FWD | FWD | FWD | FWD |
| | | | | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | LEVEL | LEVEL | LEVEL | LEVEL |
| | | | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 45 | 24 | 25 | 24 | -16 | -27 | -28 | -16 | -24 | -29 | -29 | -19 | -29 | -32 | -32 |
| 47 | 44 | 25 | -18 | -17 | -29 | -24 | -18 | -24 | -29 | -29 | -20 | -29 | -32 | -32 |
| 48 | 5 | 26 | -17 | -18 | -28 | -24 | -17 | -24 | -29 | -29 | -19 | -28 | -32 | -32 |
| 49 | 25 | 26 | -18 | -18 | -29 | -25 | -18 | -25 | -29 | -29 | -20 | -28 | -32 | -32 |
| 51 | 46 | 26 | -17 | -17 | -29 | -24 | -17 | -24 | -28 | -30 | -20 | -26 | -32 | -32 |
| 52 | 27 | 27 | -14 | -14 | -29 | -26 | -14 | -26 | -29 | -30 | -21 | -30 | -32 | -32 |
| 53 | 47 | 29 | -18 | -18 | -28 | -25 | -18 | -25 | -30 | -30 | -21 | -30 | -32 | -32 |
| 54 | 6 | 30 | -18 | -18 | -29 | -25 | -18 | -25 | -30 | -30 | -21 | -34 | -32 | -32 |
| 55 | 28 | 30 | -19 | -19 | -29 | -27 | -19 | -27 | -30 | -30 | -23 | -31 | -32 | -32 |
| 56 | 34 | 34 | -19 | -19 | -30 | -27 | -19 | -27 | -30 | -30 | -23 | -31 | -34 | -34 |
| 57 | 50 | 34 | -19 | -19 | -31 | -26 | -19 | -26 | -31 | -31 | -23 | -31 | -34 | -34 |
| 58 | 10 | 35 | -19 | -19 | -30 | -27 | -19 | -27 | -30 | -31 | -22 | -31 | -34 | -34 |
| 59 | 31 | 35 | -19 | -19 | -30 | -27 | -19 | -27 | -30 | -31 | -22 | -31 | -34 | -34 |
| 60 | 59 | 36 | -19 | -19 | -31 | -27 | -19 | -27 | -31 | -31 | -21 | -31 | -34 | -34 |
| 61 | 0 | 39 | -19 | -19 | -31 | -27 | -19 | -27 | -31 | -31 | -21 | -31 | -34 | -34 |
| 62 | 40 | 39 | -19 | -19 | -31 | -26 | -19 | -26 | -30 | -31 | -22 | -31 | -34 | -34 |
| 63 | 1 | 40 | -18 | -18 | -31 | -27 | -18 | -27 | -30 | -31 | -22 | -31 | -34 | -34 |
| 64 | 29 | 43 | -19 | -19 | -31 | -28 | -19 | -28 | -31 | -31 | -25 | -31 | -34 | -34 |
| 65 | 43 | 43 | -19 | -19 | -30 | -28 | -19 | -28 | -30 | -31 | -22 | -31 | -34 | -34 |
| 66 | 58 | 44 | -19 | -19 | -30 | -27 | -19 | -27 | -30 | -31 | -22 | -31 | -34 | -34 |
| 67 | 10 | 44 | -19 | -19 | -31 | -28 | -19 | -28 | -31 | -31 | -23 | -31 | -34 | -34 |
| 68 | 31 | 44 | -19 | -19 | -31 | -28 | -19 | -28 | -31 | -31 | -23 | -31 | -34 | -34 |
| 69 | 47 | 47 | -21 | -21 | -32 | -28 | -21 | -28 | -31 | -31 | -24 | -31 | -34 | -34 |
| 70 | 59 | 52 | -20 | -20 | -32 | -28 | -20 | -28 | -31 | -31 | -24 | -31 | -34 | -34 |
| 71 | 0 | 53 | -21 | -21 | -32 | -29 | -21 | -29 | -31 | -31 | -22 | -31 | -34 | -34 |
| 72 | 4 | 53 | -20 | -20 | -31 | -29 | -20 | -29 | -31 | -31 | -24 | -31 | -34 | -34 |
| 73 | 53 | 54 | -20 | -20 | -32 | -29 | -20 | -29 | -31 | -31 | -22 | -31 | -34 | -34 |
| 74 | 13 | 54 | -19 | -19 | -32 | -28 | -19 | -28 | -30 | -30 | -23 | -30 | -34 | -34 |
| 75 | 34 | 54 | -19 | -19 | -32 | -28 | -19 | -28 | -30 | -30 | -23 | -30 | -34 | -34 |
| 76 | 55 | 54 | -19 | -19 | -32 | -28 | -19 | -28 | -30 | -30 | -23 | -30 | -34 | -34 |
| 77 | 15 | 55 | -19 | -19 | -31 | -28 | -19 | -28 | -30 | -30 | -23 | -30 | -34 | -34 |
| 78 | 37 | 55 | -20 | -20 | -33 | -28 | -20 | -28 | -31 | -31 | -23 | -29 | -34 | -34 |
| 79 | 58 | 55 | -19 | -19 | -32 | -26 | -19 | -26 | -31 | -31 | -23 | -29 | -34 | -34 |
| 80 | 6 | 56 | -20 | -20 | -31 | -28 | -20 | -28 | -32 | -30 | -25 | -21 | -34 | -34 |
| 81 | 17 | 56 | -22 | -22 | -31 | -22 | -22 | -22 | -31 | -31 | -11 | -35 | -35 | -35 |
| 82 | 39 | 57 | -21 | -21 | -31 | -16 | -21 | -16 | -32 | -30 | -11 | -20 | -34 | -34 |
| 83 | 0 | 57 | -13 | -13 | -29 | -13 | -13 | -13 | -32 | -30 | -2 | -16 | -32 | -32 |
| 84 | 21 | 57 | -15 | -15 | -28 | -10 | -15 | -10 | -31 | -30 | 6 | 0 | -32 | -32 |
| 85 | 41 | 57 | -16 | -16 | -28 | -7 | -16 | -7 | -30 | -30 | 0 | 0 | -34 | -34 |
| 86 | 2 | 58 | -14 | -14 | -27 | -6 | -14 | -6 | -29 | -26 | 8 | 1 | -35 | -35 |
| 87 | 22 | 58 | -13 | -13 | -26 | -3 | -13 | -3 | -28 | -26 | 14 | 1 | -35 | -35 |
| 88 | 43 | 59 | -12 | -12 | -26 | -0 | -12 | -0 | -27 | -22 | 14 | 17 | -34 | -34 |
| 89 | 4 | 59 | -10 | -10 | -26 | 0 | -10 | 0 | -20 | -19 | 13 | 13 | -35 | -35 |
| 90 | 24 | 59 | -9 | -9 | -23 | 2 | -9 | 2 | -19 | -19 | 16 | 16 | -35 | -35 |
| 91 | 45 | 59 | -8 | -8 | -22 | 3 | -8 | 3 | -17 | -17 | 22 | 22 | -35 | -35 |
| 92 | 60 | 60 | -6 | -6 | -22 | 6 | -6 | 6 | -17 | -17 | 24 | 24 | -35 | -35 |
| 93 | 0 | 60 | -4 | -4 | -23 | 5 | -4 | 5 | -15 | -15 | 29 | 29 | -34 | -34 |
| 94 | 26 | 60 | -4 | -4 | -20 | 7 | -4 | 7 | -14 | -14 | 19 | 19 | -35 | -35 |
| 95 | 47 | 60 | -3 | -3 | -19 | 7 | -3 | 7 | -13 | -13 | 14 | 14 | -35 | -35 |
| 96 | 7 | 61 | -1 | -1 | -19 | 7 | -1 | 7 | -11 | -11 | 11 | 11 | -34 | -34 |
| 97 | 28 | 61 | -1 | -1 | -16 | 9 | -1 | 9 | -11 | -11 | 7 | 7 | -34 | -34 |
| 98 | 48 | 61 | 0 | 0 | -16 | 9 | 0 | 9 | -11 | -11 | 29 | 29 | -34 | -34 |

| -01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C | 3-16 PILOTS FLOOR MASS AIR TEMP DEG.C | 3-17 CO-PLY HEAD LEVEL AIR TEMP DEG.C | 3-18 CO-PLY WAIST LEVEL AIR TEMP DEG.C | 3-19 CO-PLY FOOT LEVEL AIR TEMP DEG.C | 3-20 CO-PLY FLOOR MASS TEMP DEG.C | 3-21 CARGO AREA HEAD LEVEL DEG.C | 3-22 CARGO AREA WAIST LEVEL DEG.C | 3-23 CARGO AREA FOOT LEVEL DEG.C | 3-24 CARGO AREA FLOOR MASS LEVEL DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|--|---|--|---|--|---|--|
| 96 | 62 | 9 | -3 | -17 | 2 | 9 | 12 | -11 | 28 | 34 | -34 | -35 |
| 97 | 62 | 30 | 0 | -15 | 1 | 11 | 14 | -11 | 36 | 18 | -34 | -35 |
| 98 | 62 | 50 | 0 | -14 | 2 | 11 | 16 | -6 | 35 | 29 | -35 | -35 |
| 99 | 63 | 11 | 0 | -14 | 4 | 14 | 15 | -7 | 36 | 21 | -32 | -34 |
| 100 | 63 | 31 | 2 | -12 | 3 | 13 | 18 | -5 | 38 | 21 | -35 | -34 |
| 101 | 63 | 52 | 2 | -13 | 5 | 15 | 18 | -3 | 38 | 61 | -34 | -34 |
| 102 | 64 | 12 | 1 | -11 | 8 | 15 | 18 | -2 | 41 | 38 | -35 | -35 |
| 103 | 64 | 33 | 2 | -10 | 8 | 15 | 20 | -0 | 49 | 38 | -34 | -34 |
| 104 | 64 | 54 | 1 | -8 | 6 | 16 | 20 | 1 | 38 | 24 | -34 | -34 |
| 105 | 65 | 14 | 1 | -7 | 9 | 18 | 22 | 2 | 44 | 62 | -34 | -34 |
| 106 | 65 | 35 | 5 | -7 | 11 | 17 | 22 | 2 | 41 | 34 | -34 | -34 |
| 107 | 65 | 55 | 1 | -5 | 10 | 19 | 22 | 2 | 41 | 31 | -34 | -34 |
| 108 | 66 | 16 | 1 | -4 | 11 | 19 | 24 | 3 | 44 | 29 | -34 | -34 |
| 109 | 66 | 36 | 1 | -3 | 11 | 19 | 24 | 6 | 44 | 49 | -32 | -34 |
| 110 | 66 | 57 | 1 | -2 | 12 | 22 | 25 | 6 | 46 | 27 | -32 | -34 |
| 111 | 67 | 18 | 1 | -1 | 12 | 21 | 25 | 7 | 51 | 48 | -32 | -34 |
| 112 | 67 | 38 | 1 | 0 | 16 | 23 | 26 | 7 | 48 | 32 | -34 | -34 |
| 113 | 67 | 59 | 1 | 0 | 15 | 22 | 28 | 8 | 45 | 31 | -34 | -34 |
| 114 | 68 | 14 | 1 | 0 | 15 | 22 | 28 | 8 | 46 | 27 | -32 | -32 |
| 115 | 68 | 41 | 1 | 1 | 16 | 26 | 28 | 11 | 49 | 29 | -34 | -34 |
| 116 | 69 | 2 | 1 | 1 | 17 | 24 | 28 | 11 | 51 | 42 | -33 | -34 |
| 117 | 69 | 22 | 1 | 3 | 17 | 25 | 30 | 9 | 51 | 25 | -32 | -32 |
| 118 | 69 | 43 | 1 | 3 | 18 | 25 | 28 | 11 | 53 | 36 | -32 | -33 |
| 119 | 70 | 4 | 1 | 5 | 18 | 26 | 31 | 12 | 52 | 36 | -33 | -33 |
| 120 | 70 | 25 | 1 | 4 | 17 | 20 | 33 | 12 | 52 | 52 | -31 | -32 |
| 121 | 70 | 45 | 1 | 5 | 19 | 20 | 32 | 12 | 56 | 48 | -34 | -32 |
| 122 | 71 | 5 | 1 | 4 | 21 | 28 | 32 | 14 | 53 | 33 | -31 | -31 |
| 123 | 71 | 26 | 1 | 6 | 20 | 27 | 33 | 14 | 48 | 44 | -30 | -32 |
| 124 | 71 | 46 | 1 | 5 | 22 | 28 | 34 | 14 | 51 | 47 | -28 | -30 |
| 125 | 72 | 7 | 1 | 6 | 23 | 29 | 34 | 13 | 53 | 29 | -28 | -30 |
| 126 | 72 | 27 | 1 | 6 | 22 | 29 | 35 | 13 | 51 | 29 | -23 | -30 |
| 127 | 72 | 48 | 2 | 10 | 23 | 31 | 36 | 15 | 56 | 46 | -24 | -28 |
| 128 | 73 | 8 | 2 | 8 | 23 | 30 | 36 | 15 | 54 | 35 | -26 | -28 |
| 129 | 73 | 29 | 2 | 9 | 23 | 33 | 36 | 16 | 52 | 46 | -25 | -28 |
| 130 | 73 | 49 | 2 | 8 | 24 | 33 | 37 | 18 | 54 | 51 | -24 | -27 |
| 131 | 74 | 10 | 2 | 11 | 23 | 32 | 36 | 18 | 59 | 66 | -24 | -28 |
| 132 | 74 | 30 | 2 | 11 | 23 | 31 | 38 | 18 | 58 | 46 | -24 | -28 |
| 133 | 74 | 51 | 2 | 12 | 22 | 34 | 39 | 19 | 59 | 37 | -22 | -28 |
| 134 | 75 | 11 | 2 | 12 | 24 | 34 | 37 | 21 | 57 | 35 | -24 | -27 |
| 135 | 75 | 32 | 2 | 12 | 25 | 34 | 38 | 20 | 57 | 55 | -24 | -26 |
| 136 | 75 | 52 | 2 | 14 | 26 | 33 | 38 | 22 | 53 | 51 | -22 | -26 |
| 137 | 76 | 12 | 2 | 16 | 27 | 35 | 38 | 22 | 54 | 36 | -26 | -26 |
| 138 | 76 | 33 | 2 | 16 | 27 | 33 | 38 | 22 | 53 | 38 | -22 | -26 |
| 139 | 76 | 53 | 2 | 16 | 26 | 34 | 38 | 22 | 55 | 38 | -23 | -26 |
| 140 | 77 | 14 | 2 | 18 | 28 | 36 | 42 | 24 | 56 | 36 | -24 | -24 |
| 141 | 77 | 34 | 2 | 18 | 28 | 37 | 42 | 25 | 54 | 36 | -24 | -24 |
| 142 | 77 | 54 | 2 | 18 | 29 | 36 | 44 | 25 | 56 | 37 | -17 | -24 |
| 143 | 78 | 15 | 2 | 18 | 29 | 38 | 44 | 26 | 58 | 36 | -18 | -23 |
| 144 | 78 | 35 | 2 | 19 | 30 | 38 | 44 | 26 | 56 | 37 | -18 | -23 |
| 145 | 78 | 55 | 2 | 19 | 31 | 39 | 44 | 27 | 55 | 35 | -18 | -23 |

| -81 WEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C | 3-16 PILOTS FLOOR MASS R TEMP DEG.C | 3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C | 3-18 CO-PLT HAIST LEVEL AIR TEMP DEG.C | 3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C | 3-20 CO-PLT FLOOR MASS TEMP DEG.C | 3-21 CARGO AREA FND HEAD LEVEL DEG.C | 3-22 CARGO AREA FND HAIST LEVEL DEG.C | 3-23 CARGO AREA FND FOOT LEVEL DEG.C | 3-24 CARGO AREA FND FLOOR MASS LEVEL DEG.C |
|---------------------|----------------------|----------------------|---|---|---|--|---|--|--|---|--|---|
| 146 | 79 | 15 | 31 | 19 | 31 | 40 | 45 | 27 | 56 | 36 | -18 | -22 |
| 147 | 79 | 35 | 31 | 20 | 32 | 39 | 45 | 27 | 56 | 35 | -18 | -22 |
| 148 | 79 | 55 | 31 | 20 | 30 | 39 | 44 | 27 | 56 | 38 | -16 | -21 |
| 149 | 80 | 16 | 31 | 21 | 29 | 38 | 43 | 28 | 55 | 30 | -17 | -22 |
| 150 | 80 | 37 | 31 | 22 | 29 | 37 | 42 | 28 | 51 | 29 | -16 | -22 |
| 151 | 80 | 57 | 29 | 21 | 29 | 34 | 39 | 28 | 44 | 38 | -14 | -21 |
| 152 | 81 | 18 | 26 | 19 | 26 | 31 | 34 | 27 | 41 | 25 | -16 | -20 |
| 153 | 81 | 38 | 27 | 16 | 25 | 31 | 35 | 27 | 46 | 26 | -14 | -20 |
| 154 | 81 | 58 | 28 | 19 | 25 | 33 | 36 | 28 | 48 | 28 | -14 | -20 |
| 155 | 82 | 19 | 29 | 21 | 25 | 34 | 38 | 28 | 45 | 28 | -13 | -19 |
| 156 | 82 | 39 | 28 | 22 | 27 | 31 | 34 | 27 | 39 | 28 | -12 | -19 |
| 157 | 82 | 59 | 25 | 22 | 25 | 31 | 34 | 27 | 42 | 24 | -11 | -17 |
| 158 | 83 | 19 | 31 | 23 | 27 | 33 | 36 | 27 | 47 | 27 | -12 | -18 |
| 159 | 83 | 40 | 31 | 23 | 27 | 32 | 36 | 27 | 44 | 28 | -10 | -17 |
| 160 | 84 | 0 | 30 | 24 | 26 | 31 | 33 | 26 | 39 | 25 | -11 | -17 |
| 161 | 84 | 20 | 29 | 23 | 26 | 32 | 34 | 27 | 38 | 25 | -11 | -17 |
| 162 | 84 | 40 | 31 | 24 | 26 | 32 | 34 | 27 | 43 | 25 | -11 | -17 |
| 163 | 85 | 1 | 28 | 24 | 25 | 30 | 31 | 26 | 42 | 26 | -9 | -15 |
| 164 | 85 | 21 | 28 | 24 | 24 | 31 | 33 | 26 | 36 | 24 | -9 | -16 |
| 165 | 85 | 41 | 29 | 24 | 24 | 33 | 35 | 27 | 33 | 26 | -10 | -16 |
| 166 | 86 | 1 | 31 | 24 | 24 | 33 | 36 | 26 | 42 | 27 | -10 | -15 |
| 167 | 86 | 22 | 25 | 24 | 24 | 29 | 32 | 26 | 35 | 28 | -9 | -15 |
| 168 | 86 | 42 | 31 | 24 | 23 | 29 | 31 | 26 | 33 | 21 | -8 | -15 |
| 169 | 87 | 2 | 30 | 24 | 23 | 29 | 31 | 27 | 35 | 21 | -10 | -15 |
| 170 | 87 | 22 | 30 | 24 | 22 | 27 | 28 | 26 | 37 | 17 | -8 | -14 |
| 171 | 87 | 43 | 29 | 24 | 21 | 27 | 28 | 25 | 38 | 18 | -7 | -14 |
| 172 | 88 | 3 | 21 | 24 | 21 | 27 | 28 | 25 | 38 | 18 | -6 | -14 |
| 173 | 88 | 23 | 27 | 23 | 20 | 26 | 26 | 25 | 29 | 16 | -6 | -14 |
| 174 | 88 | 43 | 27 | 23 | 20 | 27 | 28 | 25 | 38 | 18 | -5 | -14 |
| 175 | 89 | 4 | 27 | 23 | 20 | 28 | 27 | 24 | 29 | 17 | -6 | -14 |
| 176 | 89 | 24 | 27 | 23 | 19 | 28 | 27 | 24 | 34 | 17 | -5 | -13 |
| 177 | 89 | 44 | 27 | 24 | 19 | 27 | 29 | 24 | 34 | 19 | -5 | -12 |
| 178 | 90 | 4 | 27 | 24 | 19 | 26 | 28 | 25 | 30 | 17 | -5 | -12 |
| 179 | 90 | 25 | 27 | 24 | 19 | 27 | 29 | 25 | 34 | 20 | -5 | -11 |
| 180 | 90 | 45 | 27 | 24 | 18 | 27 | 30 | 24 | 31 | 20 | -4 | -10 |
| 181 | 91 | 5 | 27 | 23 | 18 | 27 | 28 | 24 | 31 | 19 | -4 | -10 |
| 182 | 91 | 25 | 27 | 23 | 18 | 28 | 29 | 24 | 35 | 21 | -4 | -11 |
| 183 | 91 | 45 | 27 | 23 | 19 | 28 | 29 | 24 | 32 | 21 | -4 | -11 |
| 184 | 92 | 6 | 28 | 23 | 19 | 26 | 26 | 23 | 30 | 19 | -4 | -11 |
| 185 | 92 | 26 | 27 | 23 | 19 | 27 | 26 | 24 | 34 | 19 | -4 | -11 |
| 186 | 92 | 46 | 28 | 24 | 19 | 27 | 28 | 24 | 34 | 19 | -4 | -11 |
| 187 | 93 | 6 | 27 | 24 | 19 | 27 | 27 | 24 | 29 | 18 | -3 | -11 |
| 188 | 93 | 26 | 27 | 24 | 20 | 26 | 27 | 24 | 32 | 19 | -3 | -11 |
| 189 | 93 | 47 | 27 | 23 | 19 | 26 | 28 | 24 | 35 | 22 | -3 | -11 |
| 190 | 94 | 7 | 27 | 23 | 18 | 26 | 27 | 23 | 30 | 18 | -4 | -10 |
| 191 | 94 | 27 | 27 | 23 | 18 | 25 | 28 | 23 | 31 | 17 | -3 | -10 |
| 192 | 94 | 47 | 27 | 23 | 18 | 28 | 29 | 24 | 36 | 20 | -3 | -11 |
| 193 | 95 | 0 | 27 | 23 | 18 | 27 | 29 | 24 | 33 | 22 | -3 | -10 |
| 194 | 95 | 28 | 27 | 23 | 17 | 27 | 28 | 25 | 34 | 20 | -3 | -10 |
| 195 | 95 | 48 | 27 | 23 | 18 | 25 | 27 | 24 | 38 | 28 | -3 | -10 |

| -01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C | 3-16 PILOTS FLOOR MASS TEMP DEG.C | 3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C | 3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C | 3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C | 3-20 CO-PLT FLOOR MASS TEMP DEG.C | 3-21 CARGO AREA FWD HEAD LEVEL DEG.C | 3-22 CARGO AREA FWD WAIST LEVEL DEG.C | 3-23 CARGO AREA FWD FOOT LEVEL DEG.C | 3-24 CARGO AREA FWD FLOOR MASS LEVEL DEG.C |
|-----------------------|----------------------|----------------------|---|--|---|--|---|--|--|---|--|---|
| 196 | 96 | 8 | 27 | 23 | 18 | 25 | 26 | 24 | 30 | 18 | -3 | -9 |
| 197 | 96 | 29 | 25 | 23 | 17 | 27 | 29 | 24 | 33 | 20 | -3 | -9 |
| 198 | 96 | 48 | 22 | 22 | 17 | 24 | 25 | 24 | 25 | 15 | -3 | -9 |
| 199 | 97 | 8 | 24 | 22 | 17 | 22 | 23 | 24 | 24 | 12 | -3 | -10 |
| 200 | 97 | 29 | 24 | 22 | 17 | 24 | 24 | 23 | 28 | 16 | -3 | -10 |
| 201 | 97 | 49 | 24 | 22 | 17 | 24 | 25 | 22 | 28 | 16 | -3 | -10 |
| 202 | 98 | 9 | 25 | 23 | 17 | 26 | 27 | 23 | 34 | 22 | -3 | -10 |
| 203 | 98 | 30 | 23 | 22 | 17 | 27 | 28 | 24 | 34 | 22 | -3 | -8 |
| 204 | 98 | 50 | 24 | 22 | 17 | 24 | 25 | 24 | 25 | 15 | -3 | -8 |
| 205 | 99 | 10 | 23 | 22 | 17 | 21 | 22 | 23 | 20 | 10 | -3 | -8 |
| 206 | 99 | 30 | 23 | 22 | 15 | 22 | 23 | 23 | 28 | 12 | -3 | -8 |
| 207 | 99 | 51 | 23 | 22 | 16 | 24 | 25 | 23 | 28 | 15 | -3 | -8 |
| 208 | 100 | 11 | 23 | 22 | 16 | 22 | 22 | 22 | 28 | 11 | -3 | -9 |
| 209 | 100 | 31 | 23 | 22 | 15 | 20 | 21 | 22 | 21 | 9 | -3 | -8 |
| 210 | 100 | 51 | 23 | 22 | 14 | 22 | 22 | 22 | 29 | 15 | -3 | -6 |
| 211 | 101 | 12 | 25 | 22 | 16 | 26 | 27 | 22 | 35 | 19 | -2 | -7 |
| 212 | 101 | 32 | 24 | 22 | 17 | 24 | 26 | 23 | 29 | 17 | -2 | -7 |
| 213 | 101 | 52 | 23 | 22 | 17 | 23 | 24 | 22 | 24 | 14 | -2 | -7 |
| 214 | 102 | 13 | 24 | 22 | 17 | 25 | 26 | 22 | 33 | 17 | -2 | -7 |
| 215 | 102 | 33 | 24 | 21 | 15 | 25 | 26 | 24 | 29 | 17 | -2 | -7 |
| 216 | 102 | 53 | 22 | 21 | 17 | 22 | 23 | 23 | 24 | 13 | -2 | -7 |
| 217 | 103 | 13 | 22 | 21 | 16 | 23 | 24 | 22 | 29 | 15 | -2 | -7 |
| 218 | 103 | 34 | 23 | 21 | 15 | 25 | 27 | 24 | 31 | 17 | -2 | -7 |
| 219 | 103 | 54 | 23 | 21 | 16 | 23 | 24 | 23 | 25 | 15 | -2 | -7 |
| 220 | 104 | 14 | 23 | 21 | 16 | 23 | 24 | 23 | 29 | 15 | -1 | -7 |
| 221 | 104 | 35 | 24 | 22 | 15 | 23 | 25 | 24 | 23 | 16 | -1 | -6 |
| 222 | 104 | 55 | 24 | 21 | 17 | 23 | 24 | 22 | 28 | 15 | -1 | -6 |
| 223 | 105 | 15 | 25 | 21 | 17 | 25 | 27 | 23 | 35 | 15 | -1 | -6 |
| 224 | 105 | 35 | 24 | 22 | 17 | 24 | 26 | 23 | 30 | 18 | -1 | -6 |
| 225 | 105 | 55 | 24 | 21 | 17 | 22 | 23 | 23 | 23 | 13 | -1 | -6 |
| 226 | 106 | 16 | 24 | 21 | 16 | 23 | 24 | 22 | 28 | 14 | -1 | -6 |
| 227 | 106 | 36 | 24 | 21 | 16 | 23 | 25 | 22 | 28 | 15 | -1 | -6 |
| 228 | 106 | 56 | 24 | 21 | 16 | 22 | 24 | 22 | 27 | 15 | -1 | -6 |
| 229 | 107 | 16 | 23 | 21 | 16 | 25 | 26 | 23 | 32 | 16 | -1 | -6 |
| 230 | 107 | 36 | 24 | 21 | 17 | 23 | 26 | 23 | 26 | 17 | -1 | -5 |
| 231 | 107 | 57 | 24 | 21 | 17 | 23 | 25 | 23 | 27 | 15 | -1 | -5 |
| 232 | 108 | 17 | 25 | 21 | 16 | 24 | 26 | 24 | 31 | 17 | -1 | -5 |
| 233 | 108 | 37 | 24 | 21 | 17 | 24 | 24 | 23 | 25 | 15 | -1 | -5 |
| 234 | 108 | 57 | 24 | 21 | 16 | 24 | 24 | 23 | 28 | 16 | -1 | -5 |
| 235 | 109 | 17 | 24 | 21 | 15 | 24 | 26 | 22 | 31 | 18 | -1 | -5 |
| 236 | 109 | 37 | 23 | 21 | 17 | 23 | 24 | 24 | 26 | 15 | -1 | -5 |
| 237 | 109 | 57 | 24 | 21 | 16 | 23 | 25 | 24 | 30 | 15 | -1 | -5 |
| 238 | 110 | 17 | 24 | 21 | 16 | 25 | 27 | 23 | 32 | 17 | 0 | -5 |
| 239 | 110 | 38 | 23 | 22 | 17 | 24 | 24 | 23 | 25 | 19 | 0 | -5 |
| 240 | 110 | 58 | 23 | 21 | 16 | 23 | 24 | 22 | 25 | 15 | -1 | -5 |
| 241 | 111 | 18 | 24 | 21 | 16 | 25 | 27 | 23 | 32 | 18 | -1 | -5 |
| 242 | 111 | 38 | 24 | 22 | 17 | 24 | 24 | 24 | 25 | 18 | -1 | -5 |
| 243 | 111 | 58 | 23 | 21 | 16 | 22 | 24 | 24 | 25 | 15 | -1 | -5 |
| 244 | 112 | 18 | 25 | 21 | 16 | 25 | 27 | 23 | 34 | 19 | -1 | -5 |
| 245 | 112 | 38 | 24 | 22 | 16 | 25 | 27 | 24 | 30 | 19 | -1 | -6 |

| 3-01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C | 3-16 PILOTS FLOOR MASS AIR TEMP DEG.C | 3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C | 3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C | 3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C | 3-20 CO-PLT FLOOR MASS TEMP DEG.C | 3-21 CARGO AREA FWD HEAD LEVEL DEG.C | 3-22 CARGO AREA FWD WAIST LEVEL DEG.C | 3-23 CARGO AREA FWD FOOT LEVEL DEG.C | 3-24 CARGO AREA FWD FLOOR MASS LEVEL DEG.C |
|------------------------|----------------------|----------------------|---|---|---|--|---|--|--|---|--|---|
| 246 | 112 | 50 | 24 | 21 | 16 | 23 | 24 | 23 | 28 | 19 | -1 | -3 |
| 247 | 113 | 16 | 24 | 21 | 16 | 25 | 24 | 23 | 28 | 17 | -0 | -3 |
| 248 | 113 | 38 | 23 | 20 | 15 | 24 | 25 | 22 | 27 | 16 | -1 | -4 |
| 249 | 113 | 58 | 23 | 21 | 15 | 24 | 24 | 24 | 29 | 17 | -1 | -4 |
| 250 | 114 | 18 | 24 | 21 | 15 | 24 | 25 | 22 | 27 | 15 | -1 | -4 |
| 251 | 114 | 30 | 24 | 20 | 14 | 22 | 24 | 22 | 25 | 15 | -1 | -4 |
| 252 | 114 | 52 | 24 | 20 | 14 | 24 | 24 | 23 | 31 | 18 | -1 | -3 |
| 253 | 115 | 18 | 25 | 21 | 15 | 25 | 27 | 22 | 30 | 18 | -1 | -4 |
| 254 | 115 | 50 | 23 | 20 | 16 | 23 | 24 | 23 | 26 | 18 | -1 | -4 |
| 255 | 115 | 50 | 24 | 20 | 15 | 24 | 25 | 23 | 31 | 15 | -1 | -3 |
| 256 | 116 | 16 | 24 | 20 | 16 | 25 | 26 | 23 | 29 | 18 | -1 | -4 |
| 257 | 116 | 38 | 23 | 20 | 16 | 23 | 25 | 22 | 27 | 15 | -1 | -4 |
| 258 | 116 | 58 | 24 | 20 | 16 | 24 | 26 | 22 | 32 | 17 | -1 | -4 |
| 259 | 117 | 18 | 24 | 20 | 16 | 25 | 27 | 23 | 31 | 18 | -1 | -4 |
| 260 | 117 | 30 | 23 | 20 | 15 | 24 | 25 | 23 | 26 | 15 | -1 | -4 |
| 261 | 117 | 58 | 24 | 21 | 15 | 24 | 26 | 24 | 31 | 18 | -1 | -4 |
| 262 | 118 | 18 | 24 | 20 | 17 | 25 | 26 | 24 | 29 | 18 | -1 | -4 |
| 263 | 118 | 38 | 24 | 19 | 17 | 24 | 26 | 24 | 29 | 17 | -1 | -4 |
| 264 | 118 | 58 | 24 | 20 | 17 | 24 | 27 | 24 | 30 | 19 | -1 | -4 |
| 265 | 119 | 19 | 23 | 20 | 17 | 24 | 26 | 24 | 28 | 18 | -1 | -4 |
| 266 | 119 | 39 | 22 | 20 | 17 | 23 | 28 | 24 | 33 | 19 | -0 | -3 |
| 267 | 119 | 58 | 23 | 20 | 17 | 25 | 27 | 24 | 38 | 19 | -0 | -3 |
| 268 | 120 | 18 | 23 | 19 | 17 | 25 | 28 | 24 | 31 | 18 | -1 | -4 |
| 269 | 120 | 38 | 22 | 20 | 17 | 24 | 25 | 24 | 27 | 16 | -1 | -4 |
| 270 | 120 | 58 | 22 | 19 | 16 | 24 | 25 | 25 | 28 | 16 | -1 | -4 |
| 271 | 121 | 19 | 21 | 19 | 17 | 26 | 26 | 25 | 28 | 17 | -1 | -4 |
| 272 | 121 | 39 | 21 | 20 | 16 | 26 | 27 | 26 | 33 | 17 | -1 | -4 |
| 273 | 121 | 59 | 21 | 20 | 16 | 25 | 27 | 26 | 30 | 15 | -1 | -4 |
| 274 | 122 | 19 | 21 | 19 | 17 | 26 | 28 | 26 | 33 | 17 | -1 | -4 |
| 275 | 122 | 40 | 21 | 19 | 17 | 26 | 28 | 26 | 35 | 19 | -1 | -4 |
| 276 | 123 | 0 | 21 | 19 | 18 | 26 | 28 | 26 | 29 | 15 | -0 | -3 |
| 277 | 123 | 20 | 21 | 19 | 18 | 27 | 29 | 27 | 34 | 16 | -1 | -4 |
| 278 | 123 | 41 | 21 | 19 | 19 | 27 | 30 | 27 | 34 | 18 | -1 | -4 |
| 279 | 124 | 1 | 21 | 19 | 19 | 25 | 27 | 27 | 29 | 16 | -1 | -4 |
| 280 | 124 | 21 | 21 | 19 | 18 | 25 | 28 | 27 | 31 | 14 | -1 | -4 |
| 281 | 124 | 42 | 21 | 19 | 18 | 24 | 26 | 27 | 26 | 18 | -1 | -4 |
| 282 | 125 | 3 | 21 | 19 | 18 | 24 | 26 | 27 | 27 | 18 | -1 | -4 |
| 283 | 125 | 23 | 22 | 19 | 16 | 25 | 26 | 27 | 33 | 12 | -1 | -4 |
| 284 | 125 | 44 | 22 | 20 | 16 | 27 | 29 | 27 | 33 | 16 | -1 | -4 |
| 285 | 126 | 4 | 22 | 20 | 16 | 25 | 28 | 27 | 33 | 16 | -1 | -4 |
| 286 | 126 | 25 | 22 | 19 | 16 | 27 | 30 | 28 | 31 | 15 | -1 | -4 |
| 287 | 126 | 45 | 22 | 19 | 19 | 26 | 32 | 28 | 35 | 16 | -1 | -4 |
| 288 | 127 | 6 | 22 | 19 | 19 | 26 | 29 | 28 | 31 | 13 | -1 | -4 |
| 289 | 127 | 26 | 22 | 19 | 19 | 26 | 29 | 27 | 32 | 14 | -1 | -4 |
| 290 | 127 | 47 | 22 | 20 | 19 | 26 | 28 | 28 | 29 | 14 | -1 | -4 |
| 291 | 128 | 8 | 21 | 19 | 19 | 26 | 28 | 28 | 31 | 12 | -1 | -4 |
| 292 | 128 | 28 | 21 | 20 | 19 | 26 | 30 | 26 | 31 | 15 | -1 | -4 |
| 293 | 128 | 49 | 21 | 20 | 20 | 26 | 29 | 28 | 31 | 15 | -1 | -4 |
| 294 | 129 | 9 | 21 | 19 | 19 | 25 | 28 | 28 | 32 | 13 | -1 | -4 |
| 295 | 129 | 30 | 21 | 20 | 19 | 27 | 31 | 28 | 31 | 14 | -1 | -4 |

| -01 SNEE TIME | 3-01 TIME SFC. | 3-15 PILOTS FOOT LEVEL TEMP DEG.C | 3-16 PILOTS FLOOR MASS AIR TEMP DEG.C | 3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C | 3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C | 3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C | 3-20 CO-PLT FLOOR MASS TEMP DEG.C | 3-21 CARGO AREA FWD HEAD LEVEL DEG.C | 3-22 CARGO AREA FWD WAIST LEVEL DEG.C | 3-23 CARGO AREA FWD FOOT LEVEL DEG.C | 3-24 CARGO AREA FWD FLOOR MASS LEVEL DEG.C |
|---------------------|----------------------|--|---|---|--|---|--|--|---|--|---|
| 386 | 146 | 19 | 13 | 17 | 24 | 27 | 19 | 34 | 18 | -2 | -6 |
| 387 | 166 | 18 | 12 | 17 | 25 | 27 | 19 | 39 | 17 | -2 | -6 |
| 388 | 147 | 17 | 12 | 16 | 24 | 25 | 18 | 31 | 17 | -3 | -6 |
| 389 | 147 | 17 | 12 | 16 | 24 | 26 | 18 | 36 | 20 | -2 | -6 |
| 390 | 147 | 18 | 12 | 17 | 22 | 27 | 18 | 39 | 23 | -3 | -7 |
| 391 | 148 | 17 | 11 | 18 | 22 | 28 | 17 | 34 | 21 | -2 | -6 |
| 392 | 148 | 17 | 11 | 18 | 22 | 28 | 17 | 32 | 19 | -3 | -7 |
| 393 | 148 | 16 | 10 | 16 | 18 | 24 | 17 | 34 | 19 | -2 | -7 |
| 394 | 148 | 17 | 9 | 19 | 21 | 27 | 17 | 34 | 19 | -2 | -7 |
| 395 | 149 | 17 | 10 | 17 | 22 | 26 | 17 | 26 | 15 | -2 | -7 |
| 396 | 149 | 16 | 9 | 17 | 21 | 24 | 16 | 24 | 12 | -2 | -7 |
| 397 | 149 | 16 | 9 | 17 | 22 | 25 | 15 | 38 | 16 | -4 | -7 |
| 398 | 150 | 16 | 9 | 17 | 22 | 25 | 15 | 36 | 21 | -3 | -7 |
| 399 | 150 | 17 | 8 | 17 | 24 | 28 | 15 | 30 | 21 | -3 | -7 |
| 400 | 150 | 17 | 8 | 17 | 24 | 28 | 15 | 25 | 14 | -2 | -7 |
| 401 | 151 | 16 | 8 | 17 | 24 | 28 | 15 | 28 | 14 | -2 | -7 |
| 402 | 151 | 15 | 7 | 17 | 22 | 24 | 14 | 22 | 17 | -2 | -7 |
| 403 | 151 | 15 | 8 | 16 | 22 | 23 | 14 | 22 | 17 | -2 | -7 |
| 404 | 151 | 14 | 8 | 15 | 21 | 22 | 13 | 23 | 11 | -2 | -7 |
| 405 | 152 | 14 | 7 | 15 | 21 | 22 | 13 | 29 | 15 | -3 | -7 |
| 406 | 152 | 14 | 7 | 15 | 22 | 24 | 13 | 27 | 14 | -3 | -7 |
| 407 | 152 | 15 | 8 | 15 | 22 | 24 | 12 | 29 | 15 | -3 | -7 |
| 408 | 153 | 15 | 7 | 16 | 23 | 27 | 14 | 32 | 17 | -2 | -6 |
| 409 | 153 | 15 | 6 | 15 | 24 | 27 | 14 | 32 | 18 | -1 | -6 |
| 410 | 153 | 16 | 6 | 15 | 24 | 28 | 14 | 35 | 22 | -2 | -6 |
| 411 | 153 | 16 | 7 | 15 | 24 | 28 | 13 | 35 | 22 | -2 | -6 |
| 412 | 154 | 16 | 7 | 17 | 26 | 31 | 13 | 39 | 23 | -2 | -7 |
| 413 | 154 | 17 | 6 | 17 | 26 | 31 | 12 | 36 | 22 | -3 | -7 |
| 414 | 154 | 17 | 6 | 16 | 26 | 33 | 13 | 37 | 22 | -3 | -7 |
| 415 | 154 | 15 | 6 | 16 | 26 | 33 | 13 | 41 | 26 | -1 | -6 |
| 416 | 155 | 15 | 6 | 17 | 27 | 32 | 14 | 44 | 28 | -1 | -6 |
| 417 | 155 | 15 | 6 | 17 | 28 | 34 | 15 | 44 | 30 | -1 | -7 |
| 418 | 155 | 17 | 6 | 18 | 29 | 35 | 15 | 48 | 29 | -0 | -6 |
| 419 | 155 | 17 | 6 | 20 | 29 | 35 | 15 | 48 | 29 | -0 | -6 |
| 420 | 156 | 16 | 6 | 20 | 28 | 32 | 17 | 46 | 25 | -1 | -6 |
| 421 | 156 | 16 | 7 | 21 | 28 | 33 | 16 | 41 | 27 | -1 | -6 |
| 422 | 156 | 16 | 7 | 21 | 29 | 34 | 16 | 43 | 31 | -1 | -6 |
| 423 | 157 | 17 | 7 | 21 | 29 | 34 | 16 | 43 | 31 | -1 | -6 |
| 424 | 157 | 17 | 7 | 20 | 29 | 32 | 16 | 38 | 28 | -0 | -5 |
| 425 | 157 | 16 | 7 | 20 | 29 | 32 | 17 | 39 | 28 | -2 | -5 |
| 426 | 158 | 16 | 6 | 21 | 29 | 32 | 17 | 39 | 26 | -3 | -6 |
| 427 | 158 | 16 | 6 | 21 | 29 | 32 | 17 | 35 | 24 | -2 | -6 |
| 428 | 158 | 15 | 6 | 20 | 27 | 29 | 15 | 31 | 20 | -2 | -6 |
| 429 | 158 | 15 | 6 | 20 | 27 | 29 | 16 | 36 | 23 | -2 | -6 |
| 430 | 158 | 15 | 6 | 19 | 27 | 29 | 16 | 36 | 23 | -2 | -6 |
| 431 | 159 | 17 | 6 | 21 | 28 | 33 | 16 | 40 | 25 | -2 | -5 |
| 432 | 159 | 17 | 6 | 21 | 29 | 33 | 15 | 37 | 25 | -2 | -5 |
| 433 | 159 | 15 | 6 | 20 | 28 | 30 | 16 | 34 | 22 | -1 | -5 |
| 434 | 159 | 15 | 6 | 20 | 27 | 29 | 16 | 34 | 22 | -1 | -5 |
| 435 | 160 | 15 | 7 | 20 | 27 | 32 | 15 | 37 | 24 | -1 | -5 |
| 436 | 160 | 15 | 7 | 19 | 28 | 33 | 15 | 39 | 25 | -0 | -5 |
| 437 | 160 | 16 | 7 | 20 | 28 | 33 | 17 | 39 | 25 | -1 | -5 |
| 438 | 160 | 16 | 7 | 20 | 28 | 31 | 17 | 34 | 22 | -1 | -4 |
| 439 | 161 | 16 | 6 | 20 | 27 | 31 | 17 | 35 | 22 | -0 | -4 |
| 440 | 161 | 16 | 7 | 20 | 28 | 32 | 17 | 39 | 25 | -1 | -4 |
| 441 | 161 | 15 | 6 | 20 | 28 | 32 | 17 | 37 | 25 | -1 | -4 |
| 442 | 161 | 15 | 6 | 20 | 28 | 33 | 17 | 37 | 25 | -0 | -5 |
| 443 | 161 | 15 | 6 | 20 | 28 | 33 | 17 | 37 | 25 | -0 | -5 |
| 444 | 162 | 17 | 5 | 21 | 27 | 30 | 17 | 34 | 25 | -1 | -5 |
| 445 | 162 | 17 | 5 | 22 | 27 | 30 | 17 | 34 | 25 | -1 | -5 |
| 446 | 162 | 17 | 4 | 22 | 27 | 31 | 17 | 38 | 24 | -1 | -5 |
| 447 | 163 | 17 | 4 | 22 | 27 | 31 | 17 | 38 | 25 | -1 | -5 |

| -01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-16 PILOTS FOOT LEVEL AIR TEMP DEG.C | 3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C | 3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C | 3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C | 3-20 CO-PLT FLOOR MASS TEMP DEG.C | 3-21 CARGO AREA FWD HEAD LEVEL DEG.C | 3-22 CARGO AREA FWD WAIST LEVEL DEG.C | 3-23 CARGO AREA FOOT LEVEL DEG.C | 3-24 CARGO AREA FWD FLOOR MASS DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|--|--|---|---|--|
| 396 | 163 | 45 | 17 | 22 | 26 | 33 | 16 | 41 | 27 | -1 | -4 |
| 397 | 164 | 5 | 9 | 22 | 26 | 32 | 17 | 36 | 24 | -1 | -4 |
| 398 | 166 | 54 | 11 | 26 | 29 | 29 | 17 | 26 | 18 | -2 | -6 |
| 399 | 167 | 13 | 6 | 22 | 25 | 26 | 15 | 27 | 15 | -2 | -5 |
| 400 | 167 | 33 | 5 | 21 | 29 | 28 | 17 | 32 | 19 | -2 | -5 |
| 401 | 169 | 27 | 5 | 19 | 22 | 22 | 15 | 19 | 11 | -3 | -4 |
| 402 | 172 | 2 | 15 | 15 | 22 | 24 | 16 | 25 | 13 | -3 | -4 |
| 403 | 172 | 21 | 16 | 15 | 24 | 26 | 16 | 33 | 16 | -3 | -3 |
| 404 | 172 | 41 | 16 | 16 | 29 | 28 | 17 | 32 | 17 | -3 | -4 |
| 405 | 174 | 35 | 8 | 17 | 24 | 27 | 18 | 28 | 17 | -2 | -5 |
| 406 | 174 | 55 | 8 | 15 | 24 | 26 | 17 | 29 | 17 | -2 | -6 |
| 407 | 175 | 16 | 16 | 17 | 24 | 24 | 18 | 31 | 18 | -2 | -6 |
| 408 | 177 | 9 | 8 | 14 | 24 | 26 | 18 | 31 | 18 | -3 | -4 |
| 409 | 178 | 8 | 10 | 13 | 27 | 31 | 18 | 34 | 22 | -3 | -6 |
| 410 | 178 | 19 | 9 | 20 | 27 | 30 | 19 | 36 | 21 | -2 | -6 |
| 411 | 178 | 39 | 9 | 22 | 28 | 32 | 19 | 32 | 22 | -2 | -6 |
| 412 | 178 | 58 | 12 | 22 | 25 | 27 | 19 | 27 | 16 | -3 | -6 |
| 413 | 179 | 18 | 16 | 19 | 25 | 27 | 21 | 20 | 17 | -2 | -6 |
| 414 | 179 | 35 | 10 | 19 | 25 | 28 | 20 | 33 | 18 | -3 | -5 |
| 415 | 179 | 57 | 11 | 19 | 25 | 24 | 20 | 26 | 15 | -3 | -4 |
| 416 | 180 | 17 | 15 | 18 | 22 | 24 | 20 | 24 | 12 | -2 | -4 |
| 417 | 180 | 36 | 12 | 16 | 24 | 27 | 19 | 30 | 15 | -2 | -5 |
| 418 | 180 | 56 | 9 | 20 | 25 | 27 | 21 | 31 | 17 | -2 | -6 |
| 419 | 181 | 15 | 12 | 19 | 22 | 25 | 21 | 29 | 26 | -3 | -6 |
| 420 | 181 | 35 | 11 | 19 | 19 | 22 | 18 | 27 | 11 | -5 | -8 |
| 421 | 181 | 55 | 11 | 18 | 19 | 21 | 17 | 25 | 7 | -8 | -8 |
| 422 | 182 | 14 | 9 | 17 | 17 | 17 | 17 | 21 | 8 | -4 | -8 |
| 423 | 182 | 34 | 9 | 16 | 16 | 15 | 17 | 18 | 6 | -14 | -10 |
| 424 | 182 | 53 | 7 | 15 | 14 | 12 | 16 | 17 | 8 | -15 | -10 |
| 425 | 183 | 12 | 11 | 13 | 12 | 12 | 15 | 14 | 8 | -16 | -10 |
| 426 | 183 | 32 | 9 | 12 | 11 | 11 | 15 | 12 | 8 | -15 | -10 |
| 427 | 183 | 52 | 7 | 12 | 9 | 11 | 14 | 11 | 9 | -14 | -11 |
| 428 | 184 | 11 | 11 | 12 | 9 | 10 | 15 | 10 | 9 | -16 | -11 |
| 429 | 184 | 31 | 5 | 9 | 7 | 10 | 14 | 8 | 8 | -14 | -10 |
| 430 | 184 | 51 | 5 | 9 | 6 | 7 | 14 | 7 | 8 | -16 | -12 |
| 431 | 185 | 11 | 6 | 9 | 5 | 7 | 14 | 6 | 7 | -16 | -11 |
| 432 | 185 | 31 | 4 | 7 | 4 | 5 | 12 | 6 | 6 | -16 | -12 |
| 433 | 185 | 51 | 3 | 6 | 1 | 2 | 9 | 5 | 6 | -16 | -12 |
| 434 | 186 | 11 | 6 | 8 | 3 | 6 | 11 | 4 | 6 | -17 | -13 |
| 435 | 186 | 31 | 7 | 7 | 2 | 5 | 11 | 4 | 4 | -16 | -13 |
| 436 | 186 | 50 | 5 | 6 | 2 | 4 | 11 | 3 | 4 | -18 | -14 |
| 437 | 187 | 9 | 4 | 6 | 3 | 4 | 11 | 2 | 2 | -14 | -14 |
| 438 | 187 | 29 | 6 | 6 | 3 | 4 | 11 | 2 | 2 | -22 | -14 |
| 439 | 187 | 48 | 6 | 7 | 2 | 3 | 11 | 3 | 2 | -21 | -15 |
| 440 | 189 | 36 | 6 | 5 | 2 | 0 | 10 | 2 | 3 | -20 | -15 |
| 441 | 191 | 7 | 2 | 3 | 0 | 0 | 9 | 1 | 3 | -24 | -16 |
| 442 | 191 | 29 | 1 | 3 | 0 | -2 | 7 | 1 | 3 | -26 | -18 |
| 443 | 191 | 48 | 2 | 2 | 0 | -2 | 7 | 0 | 6 | -27 | -18 |
| 444 | 192 | 8 | 2 | 2 | -1 | -2 | 7 | 0 | 7 | -26 | -19 |
| 445 | 193 | 58 | 0 | 1 | -2 | -5 | 4 | -8 | 4 | -24 | -20 |

| 3-01 SHEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 7-15 PILOTS FOOT LEVEL AIR TEMP DEG.C | 3-16 PILOTS FLOOR MASS AIR TEMP DEG.C | 3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C | 3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C | 3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C | 3-20 CO-PLT FLOOR MASS TEMP DEG.C | 3-21 CARGO AREA FND HEAD LEVEL DEG.C | 3-22 CARGO AREA FND WAIST LEVEL DEG.C | 3-23 CARGO AREA FND FOOT LEVEL DEG.C | 3-24 CARGO AREA FND FLOOR MASS DEG.C |
|------------------------|----------------------|----------------------|---|---|---|--|---|--|--|---|--|--|
| 446 | 190 | 14 | -6 | -6 | -5 | -9 | -12 | -3 | -10 | -10 | -29 | -27 |
| 447 | 198 | 33 | -7 | -7 | -6 | -9 | -13 | -4 | -9 | -16 | -30 | -28 |
| 448 | 198 | 53 | -8 | -8 | -6 | -9 | -14 | -4 | -9 | -17 | -30 | -28 |
| 449 | 207 | 1 | -8 | -8 | -4 | -5 | -10 | -6 | -4 | -10 | -29 | -29 |
| 450 | 207 | 21 | -8 | -8 | -4 | -5 | -9 | -6 | -4 | -10 | -29 | -29 |
| 451 | 207 | 40 | -7 | -8 | -4 | -5 | -9 | -6 | -5 | -11 | -32 | -29 |
| 452 | 208 | 1 | -7 | -7 | -4 | -5 | -9 | -6 | -4 | -10 | -29 | -29 |
| 453 | 211 | 21 | -8 | -7 | -4 | -4 | -7 | -7 | -4 | -7 | -31 | -30 |
| 454 | 212 | 41 | -7 | -7 | -4 | -4 | -7 | -7 | -4 | -7 | -30 | -28 |
| 455 | 213 | 0 | -7 | -7 | -4 | -4 | -7 | -7 | -4 | -6 | -28 | -28 |
| 456 | 213 | 21 | -7 | -8 | -4 | -4 | -7 | -8 | -4 | -6 | -29 | -28 |
| 457 | 217 | 40 | -9 | -9 | -4 | -5 | -8 | -9 | -4 | -11 | -31 | -29 |
| 458 | 217 | 59 | -8 | -9 | -4 | -5 | -9 | -9 | -4 | -11 | -31 | -29 |
| 459 | 218 | 21 | -9 | -9 | -4 | -6 | -9 | -9 | -5 | -12 | -31 | -30 |
| 460 | 222 | 37 | -9 | -9 | -4 | -5 | -9 | -9 | -4 | -11 | -30 | -29 |
| 461 | 222 | 57 | -9 | -9 | -4 | -5 | -9 | -9 | -4 | -10 | -30 | -29 |
| 462 | 223 | 16 | -9 | -9 | -4 | -5 | -9 | -9 | -4 | -10 | -30 | -29 |
| 463 | 225 | 55 | -7 | -8 | -2 | -6 | -8 | -8 | -2 | -8 | -29 | -28 |
| 464 | 227 | 14 | -8 | -8 | -2 | -6 | -8 | -8 | -2 | -8 | -29 | -28 |
| 465 | 227 | 34 | -8 | -8 | -2 | -6 | -8 | -8 | -2 | -8 | -29 | -28 |
| 466 | 231 | 12 | -7 | -7 | -2 | -4 | -7 | -6 | -2 | -8 | -28 | -28 |
| 467 | 231 | 32 | -7 | -9 | -1 | -4 | -8 | -7 | -2 | -8 | -28 | -27 |
| 468 | 231 | 51 | -8 | -8 | -1 | -4 | -8 | -7 | -1 | -8 | -28 | -27 |
| 469 | 235 | 29 | -8 | -8 | -2 | -5 | -8 | -8 | -2 | -8 | -28 | -28 |
| 470 | 235 | 49 | -8 | -8 | -2 | -5 | -8 | -8 | -2 | -8 | -28 | -28 |
| 471 | 235 | 8 | -8 | -9 | -2 | -6 | -8 | -9 | -2 | -8 | -29 | -28 |
| 472 | 239 | 40 | -8 | -8 | -2 | -7 | -9 | -9 | -2 | -8 | -29 | -28 |
| 473 | 240 | 5 | -9 | -10 | -2 | -7 | -10 | -10 | -3 | -8 | -30 | -29 |
| 474 | 240 | 24 | -7 | -10 | -2 | -6 | -9 | -10 | -3 | -8 | -29 | -29 |
| 475 | 244 | 2 | -10 | -11 | -2 | -7 | -10 | -10 | -3 | -8 | -29 | -29 |
| 476 | 244 | 21 | -10 | -11 | -2 | -7 | -10 | -11 | -3 | -9 | -29 | -29 |
| 477 | 244 | 40 | -10 | -11 | -3 | -7 | -10 | -11 | -3 | -9 | -29 | -29 |
| 478 | 248 | 17 | -8 | -8 | -2 | -5 | -8 | -9 | -1 | -9 | -29 | -28 |
| 479 | 248 | 36 | -8 | -9 | -1 | -5 | -7 | -9 | -1 | -9 | -29 | -27 |
| 480 | 248 | 56 | -8 | -9 | -1 | -5 | -7 | -9 | -1 | -9 | -29 | -27 |
| 481 | 248 | 56 | -8 | -9 | -1 | -5 | -7 | -9 | -1 | -9 | -29 | -27 |

HH-53C S/N 60-10354
 ARCTIC TEST
 9 JANUARY 1971
 RUN NO. 2 -40 DEG C / -40 DEG F

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-25 | | | 1-26 | | | 1-27 | | | 1-28 | | |
|-----------------------|----------------------|----------------------|---------------|-----------------------|-------|---------------|-----------------------|-------|---------------|-----------------------|-------|---------------|-----------------------|-------|
| | | | CARGO AREA | AFT MAIST LEVEL | DEG.C | CARGO AREA | AFT MAIST LEVEL | DEG.C | CARGO AREA | AFT MAIST LEVEL | DEG.C | CARGO AREA | AFT MAIST LEVEL | DEG.C |
| 1 | 0 | 0 | -11 | | | -14 | | | -21 | | | -24 | | |
| 2 | 0 | 20 | -13 | | | -15 | | | -22 | | | -24 | | |
| 3 | 0 | 40 | -11 | | | -16 | | | -21 | | | -23 | | |
| 4 | 1 | 0 | -12 | | | -19 | | | -20 | | | -23 | | |
| 5 | 1 | 20 | -12 | | | -19 | | | -21 | | | -23 | | |
| 6 | 1 | 40 | -12 | | | -19 | | | -21 | | | -24 | | |
| 7 | 2 | 0 | -12 | | | -19 | | | -22 | | | -23 | | |
| 8 | 2 | 20 | -13 | | | -19 | | | -22 | | | -24 | | |
| 9 | 2 | 40 | -13 | | | -20 | | | -22 | | | -24 | | |
| 10 | 3 | 0 | -17 | | | -20 | | | -22 | | | -23 | | |
| 11 | 3 | 20 | -14 | | | -20 | | | -22 | | | -24 | | |
| 12 | 3 | 40 | -14 | | | -21 | | | -22 | | | -23 | | |
| 13 | 4 | 0 | -14 | | | -21 | | | -23 | | | -24 | | |
| 14 | 4 | 20 | -14 | | | -20 | | | -23 | | | -24 | | |
| 15 | 4 | 40 | -14 | | | -21 | | | -23 | | | -24 | | |
| 16 | 5 | 0 | -15 | | | -21 | | | -23 | | | -24 | | |
| 17 | 5 | 20 | -15 | | | -20 | | | -22 | | | -24 | | |
| 18 | 6 | 0 | -15 | | | -21 | | | -23 | | | -24 | | |
| 19 | 6 | 20 | -15 | | | -21 | | | -23 | | | -24 | | |
| 20 | 6 | 40 | -15 | | | -21 | | | -23 | | | -24 | | |
| 21 | 6 | 0 | -15 | | | -22 | | | -23 | | | -24 | | |
| 22 | 7 | 1 | -15 | | | -22 | | | -23 | | | -24 | | |
| 23 | 7 | 21 | -14 | | | -22 | | | -23 | | | -24 | | |
| 24 | 7 | 41 | -14 | | | -22 | | | -24 | | | -24 | | |
| 25 | 8 | 1 | -17 | | | -22 | | | -23 | | | -25 | | |
| 26 | 8 | 21 | -17 | | | -22 | | | -24 | | | -25 | | |
| 27 | 8 | 41 | -17 | | | -22 | | | -24 | | | -25 | | |
| 28 | 9 | 1 | -16 | | | -23 | | | -24 | | | -25 | | |
| 29 | 9 | 21 | -17 | | | -23 | | | -24 | | | -25 | | |
| 30 | 9 | 41 | -17 | | | -23 | | | -24 | | | -25 | | |
| 31 | 10 | 1 | -14 | | | -24 | | | -25 | | | -24 | | |
| 32 | 12 | 32 | -16 | | | -23 | | | -25 | | | -25 | | |
| 33 | 17 | 1 | -21 | | | -25 | | | -26 | | | -26 | | |
| 34 | 17 | 21 | -21 | | | -24 | | | -26 | | | -26 | | |
| 35 | 17 | 42 | -21 | | | -24 | | | -26 | | | -26 | | |
| 36 | 21 | 30 | -22 | | | -26 | | | -27 | | | -27 | | |
| 37 | 21 | 51 | -22 | | | -26 | | | -27 | | | -27 | | |
| 38 | 22 | 11 | -22 | | | -27 | | | -28 | | | -28 | | |
| 39 | 22 | 31 | -22 | | | -27 | | | -27 | | | -28 | | |
| 40 | 23 | 21 | -23 | | | -26 | | | -27 | | | -28 | | |
| 41 | 23 | 41 | -23 | | | -27 | | | -27 | | | -28 | | |
| 42 | 24 | 2 | -23 | | | -27 | | | -28 | | | -28 | | |
| 43 | 24 | 23 | -24 | | | -27 | | | -28 | | | -28 | | |
| 44 | 24 | 43 | -24 | | | -27 | | | -28 | | | -28 | | |
| 45 | 24 | 63 | -24 | | | -27 | | | -28 | | | -28 | | |
| 46 | 25 | 2 | -23 | | | -27 | | | -28 | | | -28 | | |

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

| -01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-25 CARGO AREA AFT HEAD LEVEL DEG.C | 3-26 CARGO AREA AFT WAIST LEVEL DEG.C | 3-27 CARGO AREA AFT FOOT LEVEL DEG.C | 3-28 CARGO AREA AFT FLOOR MASS DEG.C |
|-----------------------|----------------------|----------------------|--|---|--|--|
| 96 | 52 | 9 | 18 | 12 | -18 | -32 |
| 97 | 52 | 30 | 21 | 14 | -16 | -32 |
| 98 | 52 | 50 | 21 | 15 | -17 | -32 |
| 99 | 53 | 11 | 22 | 16 | -15 | -32 |
| 100 | 53 | 31 | 22 | 15 | -14 | -32 |
| 101 | 53 | 52 | 24 | 15 | -14 | -32 |
| 102 | 54 | 12 | 24 | 16 | -12 | -32 |
| 103 | 54 | 33 | 24 | 16 | -13 | -32 |
| 104 | 54 | 54 | 24 | 17 | -13 | -32 |
| 105 | 55 | 14 | 23 | 17 | -13 | -31 |
| 106 | 55 | 35 | 23 | 15 | -12 | -31 |
| 107 | 55 | 55 | 22 | 17 | -13 | -32 |
| 108 | 56 | 16 | 23 | 17 | -14 | -31 |
| 109 | 56 | 36 | 23 | 18 | -12 | -31 |
| 110 | 56 | 57 | 25 | 18 | -12 | -30 |
| 111 | 57 | 18 | 26 | 18 | -12 | -30 |
| 112 | 57 | 38 | 26 | 19 | -12 | -30 |
| 113 | 57 | 59 | 31 | 20 | -12 | -30 |
| 114 | 58 | 20 | 27 | 21 | -11 | -30 |
| 115 | 58 | 41 | 31 | 22 | -10 | -30 |
| 116 | 59 | 2 | 31 | 22 | -9 | -29 |
| 117 | 59 | 22 | 33 | 20 | -7 | -28 |
| 118 | 59 | 43 | 33 | 20 | -7 | -28 |
| 119 | 70 | 4 | 34 | 22 | -6 | -29 |
| 120 | 70 | 25 | 35 | 20 | -7 | -28 |
| 121 | 70 | 45 | 36 | 21 | -6 | -28 |
| 122 | 71 | 5 | 31 | 20 | -6 | -28 |
| 123 | 71 | 26 | 32 | 19 | -5 | -28 |
| 124 | 71 | 46 | 32 | 18 | -4 | -27 |
| 125 | 72 | 7 | 36 | 18 | -4 | -27 |
| 126 | 72 | 27 | 36 | 19 | -3 | -27 |
| 127 | 72 | 48 | 35 | 18 | -3 | -26 |
| 128 | 73 | 8 | 37 | 18 | -2 | -26 |
| 129 | 73 | 29 | 37 | 16 | -2 | -26 |
| 130 | 73 | 49 | 37 | 18 | -2 | -26 |
| 131 | 74 | 10 | 38 | 17 | -2 | -26 |
| 132 | 74 | 30 | 41 | 16 | -2 | -25 |
| 133 | 74 | 51 | 39 | 15 | -1 | -25 |
| 134 | 75 | 11 | 38 | 18 | -1 | -25 |
| 135 | 75 | 32 | 37 | 15 | 0 | -25 |
| 136 | 75 | 52 | 37 | 16 | 0 | -25 |
| 137 | 76 | 12 | 36 | 19 | -1 | -24 |
| 138 | 76 | 33 | 34 | 16 | 0 | -24 |
| 139 | 76 | 53 | 34 | 18 | 0 | -24 |
| 140 | 77 | 14 | 37 | 20 | 0 | -22 |
| 141 | 77 | 34 | 40 | 21 | 0 | -22 |
| 142 | 77 | 54 | 39 | 21 | 0 | -21 |
| 143 | 78 | 15 | 37 | 21 | 14 | -21 |
| 144 | 78 | 35 | 41 | 21 | 10 | -21 |
| 145 | 78 | 55 | 35 | 21 | 7 | -22 |

| -01 SWEEP COUNT | 3-02 TIME *IN. | 3-03 TIME SEC. | 3-25 CARGO AREA AFT HEAD LEVEL DEG.C | 3-26 CARGO AREA AFT WALIST LEVEL DEG.C | 3-27 CARGO AREA AFT FOOT LEVEL DEG.C | 3-28 CARGO AREA AFT FLOOR MASS DEG.C |
|-----------------------|----------------------|----------------------|--|--|--|--|
| 146 | 79 | 15 | 43 | 21 | 5 | -20 |
| 147 | 79 | 35 | 40 | 21 | 4 | -20 |
| 148 | 79 | 55 | 40 | 21 | 3 | -20 |
| 149 | 80 | 16 | 39 | 19 | 1 | -22 |
| 150 | 80 | 37 | 39 | 19 | 2 | -21 |
| 151 | 80 | 57 | 36 | 21 | 10 | -19 |
| 152 | 81 | 18 | 34 | 20 | 17 | -20 |
| 153 | 81 | 38 | 33 | 20 | 14 | -20 |
| 154 | 81 | 58 | 34 | 19 | 14 | -28 |
| 155 | 82 | 19 | 36 | 21 | 8 | -19 |
| 156 | 82 | 39 | 34 | 21 | 12 | -19 |
| 157 | 82 | 59 | 32 | 21 | 6 | -18 |
| 158 | 83 | 19 | 34 | 21 | 6 | -18 |
| 159 | 83 | 40 | 34 | 21 | 5 | -18 |
| 160 | 84 | 0 | 31 | 22 | 7 | -18 |
| 161 | 84 | 20 | 31 | 22 | 5 | -18 |
| 162 | 84 | 40 | 32 | 22 | 9 | -18 |
| 163 | 85 | 1 | 31 | 22 | 17 | -16 |
| 164 | 85 | 21 | 28 | 22 | 22 | -18 |
| 165 | 85 | 41 | 28 | 22 | 24 | -18 |
| 166 | 86 | 1 | 31 | 22 | 17 | -18 |
| 167 | 86 | 22 | 29 | 22 | 3 | -17 |
| 168 | 86 | 42 | 27 | 22 | 5 | -18 |
| 169 | 87 | 2 | 26 | 22 | 5 | -18 |
| 170 | 87 | 22 | 24 | 22 | 5 | -18 |
| 171 | 87 | 43 | 23 | 22 | 4 | -17 |
| 172 | 88 | 3 | 23 | 22 | 5 | -16 |
| 173 | 88 | 23 | 23 | 22 | 3 | -17 |
| 174 | 88 | 43 | 24 | 23 | 4 | -16 |
| 175 | 89 | 4 | 22 | 22 | 9 | -16 |
| 176 | 89 | 24 | 24 | 22 | 15 | -16 |
| 177 | 89 | 44 | 26 | 22 | 14 | -16 |
| 178 | 90 | 4 | 26 | 22 | 12 | -15 |
| 179 | 90 | 25 | 25 | 22 | 16 | -16 |
| 180 | 90 | 45 | 27 | 23 | 17 | -15 |
| 181 | 91 | 5 | 25 | 23 | 19 | -14 |
| 182 | 91 | 25 | 27 | 22 | 20 | -14 |
| 183 | 91 | 45 | 27 | 22 | 16 | -15 |
| 184 | 92 | 6 | 24 | 22 | 13 | -14 |
| 185 | 92 | 26 | 24 | 22 | 19 | -14 |
| 186 | 92 | 46 | 24 | 22 | 19 | -14 |
| 187 | 93 | 6 | 24 | 22 | 17 | -14 |
| 188 | 93 | 26 | 25 | 23 | 13 | -14 |
| 189 | 93 | 47 | 24 | 22 | 17 | -15 |
| 190 | 94 | 7 | 24 | 22 | 17 | -14 |
| 191 | 94 | 27 | 27 | 22 | 15 | -14 |
| 192 | 94 | 47 | 27 | 22 | 12 | -15 |
| 193 | 95 | 0 | 24 | 22 | 16 | -14 |
| 194 | 95 | 28 | 25 | 22 | 19 | -14 |
| 195 | 95 | 48 | 23 | 22 | 19 | -14 |

| 3-01 SHEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-25 CARGO AREA HEAV LEVEL DEG.C | 3-26 CARGO AREA HEAV LEVEL DEG.C | 3-27 CARGO AREA HEAV LEVEL DEG.C | 3-28 CARGO AREA HEAV LEVEL DEG.C |
|------------------------|----------------------|----------------------|---|---|---|---|
| 195 | 96 | 8 | 22 | 22 | 15 | -14 |
| 197 | 96 | 29 | 25 | 22 | 14 | -14 |
| 198 | 96 | 49 | 24 | 22 | 13 | -14 |
| 199 | 97 | 9 | 21 | 22 | 12 | -13 |
| 200 | 97 | 29 | 21 | 22 | 9 | -14 |
| 201 | 97 | 49 | 21 | 22 | 7 | -14 |
| 202 | 98 | 6 | 21 | 22 | 6 | -13 |
| 203 | 98 | 30 | 21 | 22 | 4 | -14 |
| 204 | 98 | 50 | 21 | 22 | 2 | -14 |
| 205 | 99 | 10 | 11 | 22 | 2 | -14 |
| 206 | 99 | 30 | 11 | 22 | 2 | -14 |
| 207 | 99 | 51 | 21 | 22 | 1 | -14 |
| 208 | 100 | 11 | 21 | 22 | 2 | -13 |
| 209 | 100 | 31 | 19 | 22 | 4 | -14 |
| 210 | 100 | 51 | 11 | 21 | 6 | -13 |
| 211 | 101 | 12 | 21 | 21 | 6 | -13 |
| 212 | 101 | 32 | 21 | 22 | 3 | -13 |
| 213 | 101 | 52 | 22 | 22 | 3 | -13 |
| 214 | 102 | 13 | 21 | 21 | 2 | -14 |
| 215 | 102 | 33 | 24 | 21 | 1 | -13 |
| 216 | 102 | 53 | 21 | 21 | 2 | -13 |
| 217 | 103 | 13 | 22 | 21 | 3 | -13 |
| 218 | 103 | 34 | 24 | 22 | 4 | -13 |
| 219 | 103 | 54 | 22 | 21 | 4 | -14 |
| 220 | 104 | 14 | 22 | 22 | 4 | -13 |
| 221 | 104 | 35 | 21 | 21 | 4 | -13 |
| 222 | 104 | 54 | 22 | 22 | 4 | -14 |
| 223 | 105 | 15 | 24 | 21 | 4 | -14 |
| 224 | 105 | 35 | 25 | 21 | 5 | -14 |
| 225 | 105 | 55 | 22 | 21 | 7 | -14 |
| 226 | 106 | 16 | 21 | 21 | 5 | -13 |
| 227 | 106 | 36 | 21 | 21 | 4 | -13 |
| 228 | 106 | 56 | 21 | 21 | 2 | -13 |
| 229 | 107 | 16 | 24 | 21 | 1 | -13 |
| 230 | 107 | 36 | 24 | 21 | 1 | -13 |
| 231 | 107 | 57 | 22 | 21 | 2 | -13 |
| 232 | 108 | 17 | 21 | 21 | 1 | -13 |
| 233 | 108 | 37 | 21 | 21 | 2 | -13 |
| 234 | 108 | 57 | 21 | 21 | 2 | -13 |
| 235 | 109 | 17 | 21 | 21 | 1 | -13 |
| 236 | 109 | 37 | 21 | 20 | 0 | -12 |
| 237 | 109 | 57 | 21 | 21 | 0 | -13 |
| 238 | 110 | 17 | 24 | 20 | 0 | -13 |
| 239 | 110 | 37 | 23 | 20 | 0 | -13 |
| 240 | 110 | 57 | 21 | 21 | 0 | -13 |
| 241 | 111 | 18 | 24 | 21 | 0 | -13 |
| 242 | 111 | 38 | 23 | 21 | 0 | -13 |
| 243 | 111 | 58 | 22 | 21 | 0 | -12 |
| 244 | 112 | 18 | 24 | 20 | 0 | -12 |
| 245 | 112 | 38 | 21 | 21 | 0 | -12 |

| 3-01 SHEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-25 CARGO AREA AFT HEAD LEVEL DEG.C | 3-26 CARGO AREA AFT WAIST LEVEL DEG.C | 3-27 CARGO AREA AFT FOOT LEVEL DEG.C | 3-28 CARGO AREA AFT FLOOR MASS LEVEL DEG.C |
|------------------------|----------------------|----------------------|--|---|--|---|
| 246 | 112 | 58 | 21 | 20 | 0 | -12 |
| 247 | 113 | 10 | 22 | 20 | 1 | -12 |
| 248 | 113 | 30 | 21 | 20 | 2 | -12 |
| 249 | 113 | 58 | 21 | 20 | 3 | -12 |
| 250 | 114 | 18 | 22 | 21 | 1 | -12 |
| 251 | 114 | 38 | 20 | 20 | 0 | -12 |
| 252 | 114 | 58 | 22 | 20 | 0 | -11 |
| 253 | 115 | 10 | 22 | 19 | 0 | -12 |
| 254 | 115 | 30 | 20 | 21 | 0 | -11 |
| 255 | 115 | 58 | 20 | 20 | -1 | -11 |
| 256 | 116 | 10 | 21 | 20 | 0 | -11 |
| 257 | 116 | 38 | 21 | 19 | 0 | -11 |
| 258 | 116 | 58 | 21 | 19 | 0 | -10 |
| 259 | 117 | 10 | 24 | 20 | 0 | -10 |
| 260 | 117 | 38 | 21 | 20 | 0 | -11 |
| 261 | 117 | 58 | 21 | 19 | 0 | -10 |
| 262 | 118 | 10 | 23 | 20 | 0 | -10 |
| 263 | 118 | 38 | 23 | 20 | 0 | -10 |
| 264 | 118 | 58 | 23 | 19 | 0 | -10 |
| 265 | 119 | 10 | 22 | 20 | 0 | -10 |
| 266 | 119 | 38 | 24 | 19 | 0 | -9 |
| 267 | 119 | 58 | 24 | 20 | -0 | -10 |
| 268 | 120 | 10 | 23 | 20 | -1 | -9 |
| 269 | 120 | 38 | 23 | 19 | 0 | -9 |
| 270 | 120 | 58 | 22 | 19 | 0 | -8 |
| 271 | 121 | 10 | 24 | 19 | 0 | -9 |
| 272 | 121 | 39 | 25 | 19 | 0 | -9 |
| 273 | 121 | 59 | 24 | 19 | 0 | -9 |
| 274 | 122 | 10 | 24 | 19 | -0 | -9 |
| 275 | 122 | 40 | 22 | 19 | 0 | -9 |
| 276 | 123 | 0 | 22 | 18 | 0 | -9 |
| 277 | 123 | 20 | 23 | 19 | 0 | -9 |
| 278 | 123 | 41 | 24 | 19 | 0 | -9 |
| 279 | 124 | 1 | 23 | 19 | 0 | -9 |
| 280 | 124 | 21 | 23 | 14 | -1 | -10 |
| 281 | 124 | 42 | 21 | 18 | -1 | -9 |
| 282 | 125 | 3 | 19 | 18 | -1 | -9 |
| 283 | 125 | 23 | 22 | 18 | -2 | -10 |
| 284 | 125 | 44 | 24 | 18 | -2 | -9 |
| 285 | 126 | 4 | 24 | 18 | -3 | -9 |
| 286 | 126 | 45 | 23 | 18 | -3 | -9 |
| 287 | 126 | 45 | 25 | 19 | -2 | -9 |
| 288 | 127 | 6 | 24 | 18 | -3 | -9 |
| 289 | 127 | 26 | 22 | 18 | -3 | -9 |
| 290 | 127 | 47 | 22 | 18 | -3 | -9 |
| 291 | 128 | 0 | 22 | 18 | -4 | -10 |
| 292 | 128 | 20 | 22 | 17 | -3 | -10 |
| 293 | 128 | 49 | 22 | 19 | -2 | -10 |
| 294 | 129 | 9 | 22 | 19 | -3 | -9 |
| 295 | 129 | 30 | 22 | 14 | -3 | -9 |

| -01 SHEEP COUNT | 1-02 TIME MIN. | 3-03 TIME SEC. | 3-25 | | | 3-26 | | | 3-27 | | | 3-28 | | |
|-----------------------|----------------------|----------------------|---------------|--------------|--------|---------------|----------------|--------|---------------|---------------|--------|---------------|---------------|--------|
| | | | CARGO AREA | APT LEVEL | DESG.C | CARGO AREA | WAIST LEVEL | DESG.C | CARGO AREA | FOOT LEVEL | DESG.C | CARGO AREA | FLOOR MASS | DESG.C |
| 296 | 129 | 50 | 27 | 18 | -9 | 18 | 18 | -4 | 18 | -9 | 18 | -9 | | |
| 297 | 130 | 11 | 22 | 19 | -10 | 19 | 19 | -3 | 19 | -10 | 19 | -10 | | |
| 298 | 130 | 31 | 24 | 24 | -10 | 24 | 24 | -4 | 24 | -10 | 24 | -10 | | |
| 299 | 130 | 52 | 24 | 18 | -4 | 18 | 18 | -4 | 18 | -4 | 18 | -4 | | |
| 300 | 131 | 12 | 22 | 18 | -3 | 18 | 18 | -3 | 18 | -3 | 18 | -3 | | |
| 301 | 131 | 33 | 21 | 18 | -3 | 18 | 18 | -3 | 18 | -3 | 18 | -3 | | |
| 302 | 131 | 53 | 25 | 18 | -4 | 18 | 18 | -4 | 18 | -4 | 18 | -4 | | |
| 303 | 132 | 14 | 24 | 19 | -4 | 19 | 19 | -4 | 19 | -4 | 19 | -4 | | |
| 304 | 132 | 34 | 24 | 18 | -3 | 18 | 18 | -3 | 18 | -3 | 18 | -3 | | |
| 305 | 132 | 55 | 24 | 18 | -3 | 18 | 18 | -3 | 18 | -3 | 18 | -3 | | |
| 306 | 133 | 15 | 22 | 18 | -3 | 18 | 18 | -3 | 18 | -3 | 18 | -3 | | |
| 307 | 133 | 36 | 22 | 18 | -4 | 18 | 18 | -4 | 18 | -4 | 18 | -4 | | |
| 308 | 133 | 56 | 22 | 18 | -3 | 18 | 18 | -3 | 18 | -3 | 18 | -3 | | |
| 309 | 134 | 17 | 22 | 18 | -4 | 18 | 18 | -4 | 18 | -4 | 18 | -4 | | |
| 310 | 134 | 37 | 24 | 18 | -4 | 18 | 18 | -4 | 18 | -4 | 18 | -4 | | |
| 311 | 134 | 58 | 24 | 19 | -3 | 19 | 19 | -3 | 19 | -3 | 19 | -3 | | |
| 312 | 135 | 18 | 22 | 19 | -3 | 19 | 19 | -3 | 19 | -3 | 19 | -3 | | |
| 313 | 135 | 38 | 22 | 19 | -3 | 19 | 19 | -3 | 19 | -3 | 19 | -3 | | |
| 314 | 135 | 58 | 21 | 19 | -3 | 19 | 19 | -3 | 19 | -3 | 19 | -3 | | |
| 315 | 136 | 18 | 21 | 19 | -3 | 19 | 19 | -3 | 19 | -3 | 19 | -3 | | |
| 316 | 136 | 38 | 21 | 19 | -2 | 19 | 19 | -2 | 19 | -2 | 19 | -2 | | |
| 317 | 136 | 58 | 24 | 19 | -2 | 19 | 19 | -2 | 19 | -2 | 19 | -2 | | |
| 318 | 137 | 18 | 22 | 19 | -3 | 19 | 19 | -3 | 19 | -3 | 19 | -3 | | |
| 319 | 137 | 38 | 21 | 19 | -4 | 19 | 19 | -4 | 19 | -4 | 19 | -4 | | |
| 320 | 137 | 58 | 22 | 19 | -4 | 19 | 19 | -4 | 19 | -4 | 19 | -4 | | |
| 321 | 138 | 18 | 22 | 19 | -4 | 19 | 19 | -4 | 19 | -4 | 19 | -4 | | |
| 322 | 138 | 38 | 24 | 19 | -4 | 19 | 19 | -4 | 19 | -4 | 19 | -4 | | |
| 323 | 138 | 58 | 24 | 19 | -4 | 19 | 19 | -4 | 19 | -4 | 19 | -4 | | |
| 324 | 139 | 18 | 22 | 19 | -4 | 19 | 19 | -4 | 19 | -4 | 19 | -4 | | |
| 325 | 139 | 38 | 19 | 19 | -4 | 19 | 19 | -4 | 19 | -4 | 19 | -4 | | |
| 326 | 139 | 58 | 16 | 19 | -4 | 19 | 19 | -4 | 19 | -4 | 19 | -4 | | |
| 327 | 140 | 18 | 17 | 19 | -3 | 19 | 19 | -3 | 19 | -3 | 19 | -3 | | |
| 328 | 140 | 38 | 18 | 19 | -2 | 19 | 19 | -2 | 19 | -2 | 19 | -2 | | |
| 329 | 140 | 58 | 21 | 19 | -2 | 19 | 19 | -2 | 19 | -2 | 19 | -2 | | |
| 330 | 141 | 18 | 21 | 19 | 0 | 19 | 19 | 0 | 19 | 0 | 19 | 0 | | |
| 331 | 141 | 38 | 22 | 20 | 1 | 20 | 20 | 1 | 20 | 1 | 20 | 1 | | |
| 332 | 141 | 57 | 22 | 19 | -9 | 19 | 19 | -9 | 19 | -9 | 19 | -9 | | |
| 333 | 142 | 17 | 19 | 19 | -10 | 19 | 19 | -10 | 19 | -10 | 19 | -10 | | |
| 334 | 142 | 37 | 19 | 19 | -12 | 19 | 19 | -12 | 19 | -12 | 19 | -12 | | |
| 335 | 142 | 57 | 22 | 19 | -9 | 19 | 19 | -9 | 19 | -9 | 19 | -9 | | |
| 336 | 143 | 16 | 21 | 19 | -12 | 19 | 19 | -12 | 19 | -12 | 19 | -12 | | |
| 337 | 143 | 36 | 21 | 19 | -11 | 19 | 19 | -11 | 19 | -11 | 19 | -11 | | |
| 338 | 143 | 56 | 21 | 19 | -11 | 19 | 19 | -11 | 19 | -11 | 19 | -11 | | |
| 339 | 144 | 16 | 21 | 19 | -10 | 19 | 19 | -10 | 19 | -10 | 19 | -10 | | |
| 340 | 144 | 36 | 22 | 20 | 2 | 20 | 20 | 2 | 20 | 2 | 20 | 2 | | |
| 341 | 144 | 56 | 22 | 19 | -10 | 19 | 19 | -10 | 19 | -10 | 19 | -10 | | |
| 342 | 145 | 15 | 19 | 19 | -12 | 19 | 19 | -12 | 19 | -12 | 19 | -12 | | |
| 343 | 145 | 35 | 18 | 18 | -12 | 18 | 18 | -12 | 18 | -12 | 18 | -12 | | |
| 344 | 145 | 55 | 19 | 18 | -12 | 18 | 18 | -12 | 18 | -12 | 18 | -12 | | |
| 345 | 146 | 15 | 19 | 19 | -12 | 19 | 19 | -12 | 19 | -12 | 19 | -12 | | |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 3-25 CARGO AREA AFT HELD LEVEL DEG.C | 3-26 CARGO AREA AFT WAIST LEVEL DEG.C | 3-27 CARGO AREA AFT FOOT LEVEL DEG.C | 3-28 CARGO AREA AFT FLOOR MASS LEVEL DEG.C |
|-----------------------|----------------------|----------------------|--|---|--|---|
| 345 | 146 | 35 | 24 | 19 | 0 | -12 |
| 347 | 146 | 54 | 25 | 18 | 1 | -12 |
| 348 | 147 | 34 | 21 | 19 | 1 | -13 |
| 349 | 147 | 34 | 27 | 19 | 1 | -13 |
| 350 | 147 | 54 | 26 | 19 | 2 | -13 |
| 351 | 148 | 14 | 31 | 18 | 4 | -13 |
| 352 | 148 | 34 | 28 | 18 | 4 | -12 |
| 353 | 148 | 53 | 26 | 19 | 2 | -14 |
| 354 | 149 | 13 | 24 | 18 | 1 | -14 |
| 355 | 149 | 33 | 22 | 19 | 1 | -14 |
| 356 | 149 | 53 | 22 | 18 | 0 | -14 |
| 357 | 150 | 12 | 24 | 19 | 0 | -14 |
| 358 | 150 | 32 | 21 | 19 | 1 | -14 |
| 359 | 150 | 52 | 21 | 18 | 0 | -14 |
| 360 | 151 | 12 | 22 | 18 | 0 | -14 |
| 361 | 151 | 31 | 21 | 19 | 0 | -14 |
| 362 | 151 | 51 | 19 | 19 | -0 | -14 |
| 363 | 152 | 11 | 21 | 19 | -2 | -14 |
| 364 | 152 | 31 | 21 | 18 | -1 | -14 |
| 365 | 152 | 51 | 22 | 18 | -0 | -14 |
| 366 | 153 | 10 | 24 | 18 | -0 | -14 |
| 367 | 153 | 30 | 21 | 19 | -1 | -14 |
| 368 | 153 | 50 | 25 | 19 | 0 | -15 |
| 369 | 154 | 9 | 21 | 18 | 0 | -15 |
| 370 | 154 | 29 | 21 | 19 | 0 | -15 |
| 371 | 154 | 49 | 24 | 18 | 1 | -15 |
| 372 | 155 | 9 | 31 | 18 | 1 | -15 |
| 373 | 155 | 29 | 32 | 18 | 2 | -15 |
| 374 | 155 | 48 | 31 | 18 | 2 | -15 |
| 375 | 156 | 6 | 31 | 19 | 3 | -14 |
| 376 | 156 | 26 | 32 | 18 | 4 | -15 |
| 377 | 156 | 47 | 31 | 19 | 4 | -14 |
| 378 | 157 | 7 | 31 | 19 | 3 | -15 |
| 379 | 157 | 27 | 32 | 19 | 4 | -14 |
| 380 | 157 | 47 | 31 | 18 | 5 | -15 |
| 381 | 158 | 6 | 31 | 19 | 5 | -15 |
| 382 | 158 | 26 | 24 | 19 | 4 | -14 |
| 383 | 158 | 46 | 26 | 19 | 4 | -15 |
| 384 | 159 | 5 | 31 | 19 | 4 | -15 |
| 385 | 159 | 25 | 31 | 19 | 4 | -15 |
| 386 | 159 | 45 | 31 | 19 | 3 | -15 |
| 387 | 160 | 4 | 31 | 19 | 4 | -14 |
| 388 | 160 | 24 | 32 | 19 | 2 | -14 |
| 389 | 160 | 44 | 30 | 19 | 3 | -15 |
| 390 | 161 | 3 | 31 | 19 | 2 | -14 |
| 391 | 161 | 23 | 32 | 19 | 2 | -15 |
| 392 | 161 | 43 | 33 | 20 | 3 | -15 |
| 393 | 162 | 2 | 31 | 19 | 3 | -15 |
| 394 | 162 | 22 | 31 | 19 | 3 | -15 |
| 395 | 163 | 26 | 32 | 20 | 4 | -14 |

| -01 SHEEP COUNT | 1-02 TIME V. N. | 3-03 TIME SEC. | 3-25 | | 3-26 | | 3-27 | | 3-28 | |
|-----------------------|-----------------------|----------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|
| | | | CARGO AREA | HEAD LEVEL | CARGO AREA | WAIST LEVEL | CARGO AREA | FOOT LEVEL | CARGO AREA | FLOOR MASS |
| 396 | 163 | 45 | 34 | | 20 | | 4 | | -15 | |
| 397 | 164 | 54 | 33 | | 20 | | 4 | | -15 | |
| 398 | 166 | 29 | 21 | | 21 | | 4 | | -16 | |
| 399 | 167 | 13 | 21 | | 21 | | 4 | | -15 | |
| 400 | 167 | 33 | 25 | | 21 | | 2 | | -15 | |
| 401 | 169 | 27 | 16 | | 21 | | 0 | | -16 | |
| 402 | 172 | 2 | 21 | | 21 | | -0 | | -15 | |
| 403 | 172 | 21 | 23 | | 21 | | -0 | | -14 | |
| 404 | 172 | 41 | 25 | | 21 | | -1 | | -15 | |
| 405 | 174 | 35 | 22 | | 21 | | 4 | | -16 | |
| 406 | 174 | 55 | 21 | | 22 | | 2 | | -16 | |
| 407 | 175 | 14 | 21 | | 21 | | 1 | | -16 | |
| 408 | 177 | 9 | 21 | | 21 | | -4 | | -15 | |
| 409 | 178 | 0 | 23 | | 21 | | -2 | | -16 | |
| 410 | 178 | 19 | 21 | | 21 | | -2 | | -16 | |
| 411 | 178 | 39 | 21 | | 21 | | -1 | | -16 | |
| 412 | 178 | 50 | 21 | | 21 | | -1 | | -16 | |
| 413 | 179 | 18 | 21 | | 21 | | 0 | | -16 | |
| 414 | 179 | 38 | 21 | | 21 | | 0 | | -16 | |
| 415 | 179 | 57 | 23 | | 21 | | 0 | | -16 | |
| 416 | 180 | 17 | 21 | | 20 | | 0 | | -16 | |
| 417 | 180 | 36 | 21 | | 21 | | 0 | | -16 | |
| 418 | 180 | 56 | 23 | | 21 | | 0 | | -16 | |
| 419 | 181 | 15 | 21 | | 21 | | -1 | | -16 | |
| 420 | 181 | 35 | 21 | | 21 | | -1 | | -16 | |
| 421 | 181 | 55 | 18 | | 20 | | -2 | | -16 | |
| 422 | 182 | 14 | 14 | | 20 | | -3 | | -16 | |
| 423 | 182 | 34 | 10 | | 21 | | -4 | | -16 | |
| 424 | 182 | 53 | 7 | | 20 | | -4 | | -16 | |
| 425 | 183 | 13 | 5 | | 20 | | -5 | | -16 | |
| 426 | 183 | 32 | 5 | | 20 | | -7 | | -16 | |
| 427 | 183 | 52 | 2 | | 17 | | -8 | | -16 | |
| 428 | 184 | 11 | 12 | | 14 | | -8 | | -14 | |
| 429 | 184 | 31 | 10 | | 10 | | -10 | | -15 | |
| 430 | 184 | 51 | 9 | | 9 | | -10 | | -16 | |
| 431 | 185 | 11 | 7 | | 8 | | -11 | | -16 | |
| 432 | 185 | 31 | 5 | | 8 | | -12 | | -15 | |
| 433 | 185 | 51 | 4 | | 7 | | -12 | | -16 | |
| 434 | 186 | 11 | -6 | | 6 | | -12 | | -16 | |
| 435 | 186 | 31 | -6 | | 5 | | -13 | | -16 | |
| 436 | 186 | 50 | -6 | | 5 | | -14 | | -16 | |
| 437 | 187 | 9 | -7 | | 4 | | -14 | | -16 | |
| 438 | 187 | 29 | -7 | | 3 | | -15 | | -16 | |
| 439 | 187 | 48 | -8 | | 3 | | -16 | | -16 | |
| 440 | 189 | 36 | -8 | | 1 | | -17 | | -17 | |
| 441 | 191 | 9 | -7 | | -0 | | -18 | | -18 | |
| 442 | 191 | 29 | -10 | | -1 | | -19 | | -18 | |
| 443 | 191 | 46 | -9 | | -2 | | -19 | | -18 | |
| 444 | 192 | 4 | -10 | | -2 | | -19 | | -18 | |
| 445 | 193 | 58 | -11 | | -4 | | -20 | | -18 | |

| -01 S-SLEEP COUNT | 1-02 TIME MIN. | 3-25 TIME SEC. | 3-25 CARGO AREA AFY HEAD LEVEL DEG.C | 3-26 CARGO AREA AFY WAIST LEVEL DEG.C | 1-27 CARGO AREA AFY FOOT LEVEL DEG.C | 3-28 CARGO AREA AFY FLOOR MASS DEG.C |
|-------------------------|----------------------|----------------------|--|---|--|--|
| 446 | 198 | 14 | -16 | -13 | -26 | -26 |
| 447 | 198 | 37 | -15 | -14 | -26 | -26 |
| 448 | 198 | 53 | -14 | -15 | -27 | -27 |
| 449 | 207 | 1 | -5 | -14 | -27 | -28 |
| 450 | 207 | 21 | -1 | -14 | -26 | 24 |
| 451 | 207 | 40 | -1 | -14 | -26 | -29 |
| 452 | 208 | 1 | -1 | -14 | -77 | -28 |
| 453 | 212 | 21 | -4 | -14 | -26 | -28 |
| 454 | 212 | 41 | -4 | -14 | -26 | -28 |
| 455 | 213 | 0 | -3 | -14 | -26 | -28 |
| 456 | 213 | 21 | -4 | -14 | -26 | -28 |
| 457 | 217 | 40 | -3 | -15 | -26 | -28 |
| 458 | 217 | 59 | -3 | -14 | -26 | -29 |
| 459 | 218 | 21 | -3 | -16 | -26 | -28 |
| 460 | 222 | 37 | -2 | -15 | -26 | -28 |
| 461 | 222 | 57 | -2 | -15 | -26 | -28 |
| 462 | 223 | 16 | -2 | -15 | -26 | -28 |
| 463 | 226 | 58 | -0 | -12 | -23 | -26 |
| 464 | 227 | 14 | -1 | -12 | -23 | -26 |
| 465 | 227 | 74 | -0 | -12 | -23 | -26 |
| 466 | 231 | 12 | 0 | -11 | -22 | -26 |
| 467 | 231 | 32 | 0 | -12 | -23 | -26 |
| 468 | 231 | 51 | 0 | -12 | -22 | -26 |
| 469 | 235 | 20 | -1 | -12 | -22 | -26 |
| 470 | 235 | 49 | -1 | -12 | -23 | -26 |
| 471 | 236 | 7 | -1 | -12 | -23 | -27 |
| 472 | 239 | 45 | -1 | -13 | -23 | -27 |
| 473 | 240 | 5 | -1 | -13 | -24 | -27 |
| 474 | 240 | 26 | -1 | -13 | -23 | -27 |
| 475 | 244 | 2 | -1 | -13 | -24 | -27 |
| 476 | 244 | 21 | -1 | -13 | -24 | -27 |
| 477 | 244 | 40 | -1 | -17 | -24 | -27 |
| 478 | 248 | 17 | -1 | -7 | -4 | -26 |
| 479 | 248 | 36 | -1 | -6 | -4 | -24 |
| 480 | 248 | 56 | -1 | -6 | -4 | -24 |
| 481 | | | | | | |

MH-53C S/N 68-10354
 ARCTIC TEST
 9 JANUARY 1971
 RUN NO. 2

-40 DEG C / -40 DEG F

| -01 SWEEP COUNT | 4-02 TIME *IN. | 4-03 TIME SEC. | 4-05 CO-PLY WINDSH INSIDE LOWER CENTER DEG.C | 4-06 CO-PLY WINDSH INSIDE UPPER P M DEG.C | 4-07 CENTER PANEL WINDSH INSIDE LMR C DEG.C | 4-08 CENTER PANEL WINDSH INSIDE UPR C DFG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 COLL. AVAN CHAM) DEG.C |
|-----------------------|----------------------|----------------------|--|---|---|---|--|---|---|--|---|---|
| 1 | 0 | 2 | -17 | -12 | -13 | -10 | -34 | -34 | -33 | -34 | -33 | -26 |
| 2 | 0 | 22 | -16 | -13 | -16 | -10 | -34 | -34 | -33 | -34 | -33 | -25 |
| 3 | 0 | 42 | -19 | -13 | -18 | -10 | -33 | -34 | -33 | -34 | -32 | -25 |
| 4 | 1 | 2 | -17 | -13 | -17 | -11 | -34 | -34 | -33 | -34 | -32 | -26 |
| 5 | 1 | 22 | -17 | -13 | -18 | -11 | -34 | -34 | -33 | -34 | -32 | -25 |
| 6 | 1 | 42 | -17 | -12 | -17 | -11 | -34 | -34 | -34 | -34 | -32 | -26 |
| 7 | 2 | 2 | -17 | -13 | -18 | -11 | -34 | -34 | -33 | -34 | -33 | -26 |
| 8 | 2 | 22 | -17 | -12 | -18 | -12 | -34 | -34 | -33 | -34 | -33 | -26 |
| 9 | 2 | 42 | -17 | -12 | -18 | -12 | -34 | -34 | -33 | -34 | -31 | -25 |
| 10 | 3 | 2 | -18 | -13 | -19 | -11 | -34 | -34 | -33 | -27 | -29 | -25 |
| 11 | 3 | 22 | -17 | -14 | -17 | -12 | -34 | -34 | -33 | -27 | -29 | -26 |
| 12 | 3 | 42 | -14 | -14 | -18 | -11 | -33 | -33 | -33 | -26 | -14 | -26 |
| 13 | 4 | 2 | -19 | -14 | -19 | -11 | -34 | -34 | -33 | -25 | -6 | -26 |
| 14 | 4 | 22 | -18 | -14 | -18 | -12 | -33 | -34 | -33 | -22 | -2 | -26 |
| 15 | 4 | 42 | -18 | -14 | -19 | -12 | -33 | -34 | -33 | -21 | 1 | -25 |
| 16 | 5 | 2 | -18 | -13 | -19 | -13 | -34 | -34 | -33 | -15 | 5 | -26 |
| 17 | 5 | 22 | -18 | -14 | -19 | -12 | -34 | -34 | -33 | -7 | 9 | -26 |
| 18 | 5 | 42 | -19 | -14 | -19 | -13 | -33 | -34 | -33 | -2 | 11 | -26 |
| 19 | 6 | 2 | -19 | -14 | -20 | -13 | -33 | -34 | -34 | 2 | 14 | -26 |
| 20 | 6 | 22 | -19 | -15 | -20 | -13 | -34 | -34 | -33 | 6 | 16 | -26 |
| 21 | 6 | 43 | -19 | -14 | -19 | -14 | -33 | -33 | -34 | 9 | 19 | -25 |
| 22 | 7 | 3 | -19 | -15 | -19 | -14 | -34 | -34 | -34 | 11 | 21 | -26 |
| 23 | 7 | 23 | -18 | -15 | -19 | -12 | -34 | -34 | -33 | 13 | 24 | -26 |
| 24 | 7 | 43 | -20 | -15 | -19 | -14 | -34 | -34 | -34 | 15 | 26 | -24 |
| 25 | 8 | 3 | -20 | -16 | -20 | -13 | -34 | -34 | -34 | 17 | 27 | -26 |
| 26 | 8 | 23 | -20 | -15 | -20 | -14 | -34 | -34 | -34 | 18 | 29 | -26 |
| 27 | 8 | 43 | -20 | -16 | -20 | -14 | -34 | -34 | -34 | 20 | 30 | -26 |
| 28 | 9 | 4 | -20 | -15 | -21 | -15 | -34 | -34 | -34 | 21 | 31 | -26 |
| 29 | 9 | 24 | -20 | -16 | -21 | -15 | -34 | -34 | -34 | 22 | 33 | -26 |
| 30 | 9 | 44 | -20 | -16 | -20 | -15 | -34 | -34 | -34 | 24 | 33 | -26 |
| 31 | 10 | 4 | -20 | -16 | -21 | -16 | -34 | -34 | -34 | 24 | 32 | -26 |
| 32 | 12 | 34 | -21 | -16 | -21 | -16 | -34 | -34 | -34 | 22 | 27 | -26 |
| 33 | 12 | 2 | -22 | -18 | -22 | -17 | -34 | -34 | -34 | 17 | -4 | -27 |
| 34 | 17 | 24 | -22 | -18 | -22 | -17 | -34 | -34 | -34 | 16 | -5 | -27 |
| 35 | 17 | 44 | -23 | -19 | -23 | -17 | -35 | -34 | -34 | 15 | -6 | -27 |
| 36 | 21 | 33 | -21 | -14 | -24 | -18 | -35 | -34 | -34 | 11 | -14 | -28 |
| 37 | 21 | 53 | -24 | -19 | -23 | -19 | -35 | -34 | -34 | 9 | -14 | -28 |
| 38 | 22 | 13 | -23 | -19 | -23 | -18 | -34 | -34 | -34 | 9 | -15 | -28 |
| 39 | 22 | 34 | -24 | -19 | -24 | -19 | -35 | -35 | -34 | 8 | -16 | -27 |
| 40 | 27 | 23 | -23 | -17 | -23 | -18 | -35 | -35 | -34 | 7 | -16 | -28 |
| 41 | 27 | 44 | -24 | -20 | -24 | -19 | -35 | -35 | -34 | 6 | -17 | -28 |
| 42 | 24 | 4 | -24 | -19 | -23 | -19 | -35 | -35 | -34 | 7 | -17 | -28 |
| 43 | 24 | 25 | -24 | -20 | -24 | -19 | -35 | -35 | -34 | -9 | -9 | -28 |
| 44 | 24 | 45 | -24 | -20 | -24 | -19 | -35 | -35 | -34 | -6 | 2 | -28 |
| 45 | 25 | 4 | -24 | -20 | -24 | -19 | -35 | -35 | -34 | -2 | 4 | -28 |

| -01 SWEEP FRONT | 4-02 TIME MIN. | 4-07 TIME SEC. | 4-05 CO-SLT WINDSHD INSIDE LOWER CENTER DEG.C | 4-06 CO-SLT WINDSHD UPPER R M DEG.C | 4-07 CENTER PANEL WINDSHD INSIDE LWR C DEG.C | 4-08 CENTER PANEL WINDSHD UPR C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 (COLL. /YAW CHAM) DEG.C |
|-----------------------|----------------------|----------------------|---|--|--|--|--|---|---|--|---|--|
| 46 | 25 | 26 | -24 | -19 | -24 | -19 | -35 | -34 | -34 | 1 | 7 | -20 |
| 47 | 25 | 47 | -25 | -21 | -24 | -24 | -34 | -35 | -34 | 5 | 10 | -20 |
| 48 | 25 | 7 | -24 | -20 | -24 | -14 | -34 | -35 | -34 | 8 | 13 | -28 |
| 49 | 26 | 28 | -25 | -20 | -24 | -20 | -35 | -34 | -34 | 11 | 15 | -28 |
| 0 | 26 | 48 | -25 | -20 | -24 | -20 | -34 | -35 | -34 | 13 | 18 | -28 |
| 51 | 27 | 6 | -25 | -20 | -24 | -21 | -35 | -34 | -34 | 14 | 20 | -26 |
| 52 | 29 | 50 | -26 | -21 | -25 | -21 | -34 | -34 | -34 | 25 | 33 | -20 |
| 53 | 30 | 10 | -25 | -20 | -24 | -20 | -34 | -34 | -34 | 25 | 33 | -20 |
| 54 | 30 | 31 | -25 | -21 | -24 | -21 | -34 | -34 | -34 | 27 | 35 | -28 |
| 55 | 34 | 31 | -26 | -22 | -25 | -21 | -33 | -33 | -33 | 39 | 45 | -28 |
| 56 | 34 | 52 | -25 | -22 | -25 | -21 | -33 | -33 | -33 | 38 | 46 | -27 |
| 57 | 35 | 13 | -24 | -22 | -25 | -21 | -32 | -32 | -32 | 39 | 46 | -27 |
| 58 | 35 | 33 | -26 | -22 | -25 | -22 | -32 | -32 | -32 | 39 | 47 | -27 |
| 59 | 39 | 1 | -26 | -22 | -26 | -22 | -32 | -32 | -31 | 48 | 53 | -26 |
| 0 | 39 | 22 | -27 | -22 | -26 | -22 | -31 | -32 | -31 | 48 | 54 | -26 |
| 61 | 39 | 43 | -27 | -23 | -26 | -20 | -32 | -32 | -30 | 45 | 55 | -26 |
| 62 | 40 | 3 | -27 | -22 | -25 | -20 | -32 | -31 | -30 | 50 | 55 | -25 |
| 63 | 43 | 31 | -27 | -23 | -26 | -20 | -30 | -30 | -29 | 55 | 62 | -24 |
| 64 | 43 | 52 | -28 | -24 | -27 | -20 | -30 | -30 | -29 | 56 | 63 | -24 |
| 65 | 44 | 13 | -27 | -23 | -26 | -21 | -30 | -29 | -28 | 56 | 63 | -24 |
| 66 | 44 | 33 | -27 | -23 | -26 | -22 | -29 | -29 | -28 | 55 | 64 | -24 |
| 67 | 48 | 2 | -28 | -24 | -26 | -22 | -28 | -28 | -27 | 55 | 64 | -24 |
| 68 | 52 | 32 | -28 | -24 | -26 | -23 | -28 | -28 | -27 | 61 | 67 | -22 |
| 69 | 52 | 53 | -28 | -23 | -26 | -23 | -27 | -28 | -25 | 65 | 72 | -20 |
| 0 | 53 | 14 | -28 | -25 | -28 | -24 | -27 | -28 | -24 | 65 | 71 | -20 |
| 71 | 53 | 4 | -29 | -26 | -28 | -24 | -27 | -27 | -24 | 64 | 71 | -20 |
| 72 | 53 | 55 | -29 | -26 | -28 | -22 | -27 | -27 | -24 | 65 | 72 | -19 |
| 73 | 54 | 16 | -28 | -24 | -27 | -23 | -27 | -27 | -24 | 66 | 72 | -19 |
| 74 | 54 | 37 | -25 | -24 | -27 | -22 | -27 | -27 | -24 | 66 | 73 | -19 |
| 75 | 54 | 57 | -28 | -25 | -28 | -22 | -27 | -28 | -24 | 66 | 73 | -19 |
| 76 | 55 | 16 | -27 | -25 | -27 | -23 | -27 | -27 | -23 | 67 | 73 | -19 |
| 77 | 55 | 39 | -27 | -26 | -27 | -23 | -27 | -27 | -23 | 67 | 73 | -19 |
| 78 | 56 | 0 | -29 | -26 | -28 | -24 | -27 | -28 | -24 | 67 | 73 | -18 |
| 79 | 56 | 21 | -28 | -25 | -28 | -24 | -26 | -27 | -23 | 66 | 73 | -18 |
| 0 | 56 | 42 | -27 | -22 | -26 | -22 | -27 | -27 | -23 | 67 | 74 | -18 |
| 81 | 57 | 2 | -27 | -18 | -25 | -19 | -26 | -27 | -23 | 67 | 74 | -18 |
| 82 | 57 | 23 | -16 | -17 | -25 | -16 | -27 | -27 | -23 | 68 | 74 | -18 |
| 83 | 57 | 44 | -14 | -14 | -25 | -14 | -27 | -27 | -23 | 68 | 74 | -18 |
| 84 | 58 | 4 | -11 | -11 | -24 | -14 | -27 | -27 | -23 | 68 | 74 | -18 |
| 85 | 58 | 25 | -10 | -11 | -24 | -12 | -27 | -27 | -23 | 68 | 75 | -18 |
| 86 | 58 | 46 | -9 | -9 | -23 | -10 | -26 | -27 | -23 | 68 | 76 | -18 |
| 87 | 59 | 6 | -8 | -9 | -22 | -9 | -26 | -27 | -23 | 68 | 76 | -18 |
| 88 | 59 | 27 | -5 | -7 | -22 | -7 | -26 | -27 | -23 | 68 | 75 | -17 |
| 89 | 59 | 47 | -4 | -7 | -20 | -6 | -27 | -28 | -23 | 68 | 75 | -17 |
| 0 | 60 | 8 | -2 | -4 | -18 | -5 | -26 | -27 | -23 | 68 | 75 | -17 |
| 91 | 60 | 29 | 1 | -3 | -13 | -4 | -28 | -27 | -23 | 68 | 75 | -17 |
| 92 | 60 | 49 | 0 | -0 | -16 | -0 | -27 | -26 | -23 | 68 | 76 | -18 |
| 93 | 61 | 10 | 1 | -1 | -15 | -2 | -26 | -27 | -23 | 67 | 76 | -18 |
| 94 | 61 | 30 | 2 | -0 | -15 | -0 | -27 | -27 | -23 | 67 | 76 | -18 |
| 95 | 61 | 51 | 2 | 0 | -15 | 0 | -27 | -27 | -23 | 56 | 66 | -2 |

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-OUT INSIDE LOWER CENTER OF S.C | 4-06 CO-OUT INSIDE UPPER R 4 OF S.C | 4-07 CENTER PANEL W/SHD INSIDE LMR C OF S.C | 4-08 CENTER PANEL W/SHD INSIDE UPR C OF S.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 COLL. /YAN CHAM TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|--|---|---|--|---|---|--|---|--|
| 96 | 62 | 11 | 4 | 1 | -15 | 0 | -27 | -27 | -23 | 52 | 62 | 1 |
| 97 | 62 | 32 | 5 | 3 | -15 | 0 | -26 | -27 | -23 | 60 | 60 | 7 |
| 98 | 62 | 53 | 6 | 2 | -15 | 0 | -27 | -27 | -23 | 44 | 57 | 13 |
| 99 | 63 | 12 | 7 | 3 | -15 | 2 | -27 | -26 | -23 | 42 | 55 | 19 |
| 100 | 63 | 34 | 7 | 5 | -14 | 4 | -27 | -26 | -22 | 41 | 52 | 23 |
| 101 | 63 | 54 | 7 | 5 | -11 | 4 | -26 | -26 | -22 | 41 | 51 | 27 |
| 102 | 64 | 15 | 6 | 5 | -14 | 5 | -26 | -27 | -22 | 40 | 49 | 30 |
| 103 | 64 | 35 | 5 | 5 | -11 | 6 | -26 | -26 | -22 | 39 | 49 | 33 |
| 104 | 64 | 56 | 6 | 6 | -10 | 5 | -26 | -26 | -22 | 39 | 48 | 35 |
| 105 | 65 | 17 | 8 | 8 | -11 | 4 | -26 | -26 | -21 | 39 | 48 | 36 |
| 106 | 65 | 37 | 8 | 8 | -10 | 5 | -26 | -26 | -21 | 38 | 48 | 37 |
| 107 | 65 | 58 | 8 | 8 | -9 | 6 | -26 | -25 | -22 | 38 | 47 | 38 |
| 108 | 66 | 18 | 9 | 9 | -10 | 6 | -26 | -26 | -21 | 38 | 47 | 39 |
| 109 | 66 | 38 | 14 | 11 | -9 | 7 | -26 | -26 | -21 | 38 | 46 | 41 |
| 110 | 66 | 59 | 15 | 11 | -10 | 9 | -26 | -24 | -20 | 39 | 46 | 41 |
| 111 | 67 | 20 | 16 | 12 | -9 | 9 | -24 | -24 | -20 | 39 | 47 | 42 |
| 112 | 67 | 41 | 16 | 12 | -9 | 11 | -25 | -25 | -20 | 39 | 47 | 42 |
| 113 | 68 | 1 | 17 | 11 | -8 | 11 | -24 | -25 | -20 | 39 | 47 | 43 |
| 114 | 68 | 22 | 17 | 11 | -8 | 13 | -24 | -24 | -20 | 40 | 48 | 44 |
| 115 | 68 | 43 | 18 | 13 | -7 | 13 | -24 | -25 | -20 | 40 | 48 | 44 |
| 116 | 69 | 4 | 18 | 14 | -7 | 16 | -24 | -24 | -19 | 43 | 48 | 45 |
| 117 | 69 | 25 | 18 | 12 | -6 | 13 | -23 | -24 | -19 | 41 | 48 | 45 |
| 118 | 69 | 45 | 18 | 15 | -6 | 15 | -24 | -22 | -19 | 41 | 48 | 46 |
| 119 | 70 | 6 | 22 | 14 | -4 | 18 | -16 | -16 | -19 | 41 | 48 | 45 |
| 120 | 70 | 27 | 23 | 15 | -6 | 18 | -11 | -9 | -19 | 41 | 45 | 46 |
| 121 | 70 | 48 | 23 | 15 | -4 | 17 | -11 | -9 | -20 | 42 | 46 | 45 |
| 122 | 71 | 8 | 23 | 16 | -4 | 18 | -7 | -4 | -20 | 41 | 48 | 45 |
| 123 | 71 | 28 | 23 | 19 | -2 | 19 | -9 | -4 | -20 | 40 | 46 | 46 |
| 124 | 71 | 49 | 22 | 17 | -4 | 19 | -7 | -4 | -21 | 40 | 46 | 46 |
| 125 | 72 | 9 | 23 | 16 | -1 | 18 | -6 | -1 | -21 | 39 | 45 | 46 |
| 126 | 72 | 38 | 23 | 17 | -4 | 19 | -5 | -0 | -21 | 39 | 44 | 45 |
| 127 | 72 | 50 | 24 | 18 | -3 | 19 | -3 | 0 | -22 | 38 | 44 | 46 |
| 128 | 73 | 11 | 25 | 18 | -7 | 19 | -3 | 6 | -22 | 37 | 48 | 46 |
| 129 | 73 | 31 | 26 | 18 | -2 | 21 | -1 | 10 | -22 | 36 | 39 | 47 |
| 130 | 73 | 52 | 26 | 19 | -3 | 19 | 0 | 12 | -22 | 36 | 37 | 42 |
| 131 | 74 | 12 | 27 | 18 | -0 | 21 | 1 | 14 | -21 | 35 | 37 | 41 |
| 132 | 74 | 33 | 27 | 20 | -2 | 21 | 3 | 14 | -20 | 34 | 37 | 40 |
| 133 | 74 | 53 | 27 | 19 | -1 | 21 | 5 | 15 | -19 | 34 | 36 | 39 |
| 134 | 75 | 14 | 27 | 19 | 0 | 22 | 6 | 16 | -17 | 34 | 36 | 38 |
| 135 | 75 | 34 | 27 | 21 | 0 | 22 | 7 | 17 | -16 | 33 | 35 | 38 |
| 136 | 75 | 54 | 27 | 19 | 0 | 21 | 8 | 17 | -16 | 33 | 35 | 37 |
| 137 | 76 | 15 | 27 | 21 | 0 | 22 | 8 | 19 | -17 | 32 | 35 | 37 |
| 138 | 76 | 35 | 27 | 20 | 0 | 22 | 9 | 20 | -17 | 31 | 34 | 36 |
| 139 | 76 | 56 | 28 | 22 | 0 | 24 | 9 | 21 | -18 | 31 | 33 | 35 |
| 140 | 77 | 16 | 29 | 23 | 1 | 25 | 11 | 22 | -17 | 31 | 33 | 35 |
| 141 | 77 | 37 | 29 | 24 | 1 | 25 | 11 | 22 | -17 | 31 | 33 | 35 |
| 142 | 77 | 57 | 29 | 23 | 2 | 27 | 11 | 24 | -17 | 31 | 33 | 35 |
| 143 | 78 | 17 | 31 | 26 | 2 | 27 | 12 | 24 | -16 | 31 | 33 | 35 |
| 144 | 78 | 37 | 31 | 26 | 1 | 27 | 12 | 24 | -16 | 31 | 33 | 35 |
| 145 | 78 | 57 | 31 | 24 | 2 | 25 | 11 | 24 | -16 | 30 | 32 | 34 |

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 | | 4-06 | | 4-07 | | 4-08 | | 4-09 | | 4-10 | | 4-11 | | 4-12 | | 4-14 | | 4-15 | |
|-----------------------|----------------------|----------------------|---|--|--|--|--|---|--|--|--|---|--|--|---|--|------|--|------|--|------|--|
| | | | CO-PLT WINDSHD INSIDE LOWER CENTER DEG.C | CO-PLT WINDSHD INSIDE UPPER R H DEG.C | CENTER PANEL WINDSHD INSIDE LMR C DEG.C | CENTER PANEL WINDSHD INSIDE UPR C DEG.C | 1STAGE PUMP INLET HYD. TEMP DEG.C | 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 1STAGE SERVO HYD IN TEMP DEG.C | 1STAGE SERVO HYD IN TEMP DEG.C | 2STAGE PUMP INLET HYD. TEMP DEG.C | 2STAGE PUMP OUTLET HYD. TEMP DEG.C | 2STAGE SERVO HYD IN TEMP DEG.C | 2STAGE SERVO HYD IN TEMP DEG.C | 2STAGE AFCS 1 (COLL.) /YAN CHAN) DEG.C | | | | | | | |
| 146 | 79 | 18 | 32 | 24 | 3 | 27 | 12 | 25 | -17 | 31 | 32 | 34 | | | | | | | | | | |
| 147 | 79 | 36 | 33 | 25 | 4 | 26 | 12 | 26 | -17 | 31 | 33 | 34 | | | | | | | | | | |
| 148 | 79 | 58 | 31 | 24 | 3 | 27 | 12 | 25 | -17 | 31 | 32 | 34 | | | | | | | | | | |
| 149 | 80 | 1R | 30 | 22 | 2 | 25 | 11 | 24 | -19 | 29 | 30 | 32 | | | | | | | | | | |
| 150 | 80 | 39 | 29 | 22 | 2 | 25 | 12 | 24 | -18 | 29 | 30 | 32 | | | | | | | | | | |
| 151 | 81 | 0 | 27 | 21 | 2 | 25 | 12 | 25 | -18 | 30 | 31 | 32 | | | | | | | | | | |
| 152 | 81 | 20 | 24 | 21 | 0 | 23 | 12 | 29 | -17 | 30 | 30 | 33 | | | | | | | | | | |
| 153 | 81 | 40 | 21 | 21 | 0 | 20 | 12 | 25 | -18 | 29 | 30 | 32 | | | | | | | | | | |
| 154 | 82 | 1 | 25 | 22 | 0 | 21 | 13 | 26 | -18 | 30 | 30 | 32 | | | | | | | | | | |
| 155 | 82 | 21 | 26 | 24 | 0 | 22 | 13 | 26 | -18 | 30 | 30 | 32 | | | | | | | | | | |
| 156 | 82 | 41 | 26 | 23 | 3 | 24 | 14 | 27 | -17 | 30 | 31 | 32 | | | | | | | | | | |
| 157 | 83 | 2 | 27 | 23 | 3 | 24 | 14 | 27 | -17 | 30 | 31 | 32 | | | | | | | | | | |
| 158 | 83 | 22 | 26 | 25 | 5 | 25 | 13 | 27 | -17 | 30 | 31 | 32 | | | | | | | | | | |
| 159 | 83 | 42 | 26 | 29 | 7 | 26 | 13 | 27 | -17 | 30 | 31 | 32 | | | | | | | | | | |
| 160 | 84 | 2 | 28 | 20 | 7 | 25 | 14 | 26 | -17 | 30 | 31 | 32 | | | | | | | | | | |
| 161 | 84 | 23 | 30 | 30 | 9 | 26 | 14 | 28 | -16 | 29 | 31 | 32 | | | | | | | | | | |
| 162 | 84 | 43 | 30 | 31 | 9 | 26 | 14 | 28 | -17 | 30 | 31 | 32 | | | | | | | | | | |
| 163 | 85 | 3 | 28 | 28 | 3 | 25 | 14 | 28 | -16 | 29 | 31 | 32 | | | | | | | | | | |
| 164 | 85 | 23 | 29 | 29 | 9 | 25 | 14 | 28 | -17 | 30 | 30 | 32 | | | | | | | | | | |
| 165 | 85 | 44 | 29 | 30 | 11 | 27 | 14 | 28 | -16 | 29 | 30 | 32 | | | | | | | | | | |
| 166 | 86 | 4 | 29 | 30 | 11 | 26 | 14 | 27 | -17 | 29 | 30 | 32 | | | | | | | | | | |
| 167 | 86 | 24 | 27 | 27 | 11 | 23 | 14 | 26 | -17 | 30 | 30 | 32 | | | | | | | | | | |
| 168 | 86 | 44 | 26 | 25 | 11 | 20 | 14 | 26 | -17 | 29 | 30 | 32 | | | | | | | | | | |
| 169 | 87 | 5 | 26 | 26 | 11 | 21 | 14 | 28 | -17 | 29 | 30 | 32 | | | | | | | | | | |
| 170 | 87 | 25 | 21 | 23 | 12 | 20 | 14 | 28 | -17 | 29 | 30 | 32 | | | | | | | | | | |
| 171 | 87 | 45 | 23 | 22 | 12 | 18 | 14 | 28 | -17 | 29 | 30 | 32 | | | | | | | | | | |
| 172 | 88 | 5 | 21 | 22 | 11 | 19 | 15 | 28 | -18 | 29 | 29 | 31 | | | | | | | | | | |
| 173 | 88 | 26 | 22 | 22 | 11 | 18 | 14 | 28 | -18 | 29 | 30 | 31 | | | | | | | | | | |
| 174 | 89 | 46 | 22 | 22 | 11 | 18 | 14 | 28 | -18 | 29 | 30 | 31 | | | | | | | | | | |
| 175 | 89 | 6 | 21 | 22 | 11 | 18 | 14 | 29 | -18 | 29 | 31 | 32 | | | | | | | | | | |
| 176 | 89 | 26 | 23 | 22 | 11 | 18 | 14 | 28 | -16 | 29 | 33 | 32 | | | | | | | | | | |
| 177 | 89 | 47 | 22 | 21 | 10 | 18 | 14 | 28 | -15 | 29 | 33 | 31 | | | | | | | | | | |
| 178 | 91 | 7 | 22 | 20 | 9 | 18 | 15 | 28 | -12 | 30 | 35 | 32 | | | | | | | | | | |
| 179 | 90 | 27 | 22 | 21 | 9 | 18 | 14 | 28 | -11 | 30 | 34 | 32 | | | | | | | | | | |
| 180 | 90 | 47 | 22 | 21 | 11 | 19 | 14 | 28 | -11 | 30 | 34 | 32 | | | | | | | | | | |
| 181 | 91 | 7 | 21 | 19 | 3 | 17 | 14 | 28 | -12 | 31 | 34 | 32 | | | | | | | | | | |
| 182 | 91 | 28 | 22 | 19 | 9 | 18 | 14 | 29 | -12 | 31 | 34 | 32 | | | | | | | | | | |
| 183 | 91 | 48 | 21 | 19 | 9 | 18 | 14 | 29 | -11 | 31 | 35 | 32 | | | | | | | | | | |
| 184 | 92 | 8 | 21 | 18 | 9 | 18 | 13 | 28 | -12 | 31 | 34 | 33 | | | | | | | | | | |
| 185 | 92 | 28 | 21 | 18 | 9 | 17 | 14 | 28 | -12 | 31 | 33 | 33 | | | | | | | | | | |
| 186 | 92 | 48 | 16 | 18 | 8 | 17 | 14 | 28 | -14 | 31 | 34 | 32 | | | | | | | | | | |
| 187 | 93 | 9 | 21 | 14 | 7 | 17 | 13 | 28 | -14 | 30 | 34 | 32 | | | | | | | | | | |
| 188 | 93 | 29 | 21 | 16 | 7 | 17 | 13 | 28 | -15 | 31 | 34 | 33 | | | | | | | | | | |
| 189 | 93 | 49 | 16 | 17 | 7 | 17 | 12 | 27 | -15 | 30 | 33 | 32 | | | | | | | | | | |
| 190 | 94 | 9 | 16 | 16 | 7 | 17 | 13 | 27 | -16 | 30 | 33 | 32 | | | | | | | | | | |
| 191 | 94 | 30 | 21 | 14 | 7 | 17 | 13 | 27 | -16 | 30 | 33 | 32 | | | | | | | | | | |
| 192 | 94 | 50 | 20 | 18 | 6 | 17 | 13 | 27 | -17 | 30 | 33 | 32 | | | | | | | | | | |
| 193 | 95 | 10 | 19 | 17 | 5 | 15 | 13 | 26 | -17 | 29 | 31 | 32 | | | | | | | | | | |
| 194 | 95 | 30 | 19 | 17 | 5 | 15 | 12 | 26 | -16 | 29 | 31 | 31 | | | | | | | | | | |
| 195 | 95 | 51 | 17 | 16 | 4 | 15 | 13 | 27 | -16 | 29 | 30 | 32 | | | | | | | | | | |

| SWEEP COUNT | 4-12 TIME MIN. | 4-12 TIME SEC. | 4-05 | | 4-06 | | 4-07 | | 4-08 | | 4-09 | | 4-10 | | 4-11 | | 4-12 | | 4-14 | | 4-15 | |
|----------------|----------------------|----------------------|--|---------------------------------|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CO-PLT MNDSHD INSIDE LOWER CENTER DEG.C | INSIDE UPPER R.H DEG.C | CENTER PANEL MNDSHD INSIDE LMP.C DEG.C | CENTER PANEL MNDSHD INSIDE UPR.C DEG.C | 1STAGE PUMP INLET HYD. TEMP DEG.C | 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 1STAGE PUMP HYD. TEMP DEG.C | 1STAGE PUMP HYD. TEMP DEG.C | 1STAGE PUMP HYD. TEMP DEG.C | 1STAGE PUMP HYD. TEMP DEG.C | 1STAGE PUMP HYD. TEMP DEG.C | 1STAGE PUMP HYD. TEMP DEG.C | 1STAGE PUMP HYD. TEMP DEG.C | 1STAGE PUMP HYD. TEMP DEG.C | 1STAGE PUMP HYD. TEMP DEG.C | 1STAGE PUMP HYD. TEMP DEG.C | 1STAGE PUMP HYD. TEMP DEG.C | 1STAGE PUMP HYD. TEMP DEG.C | 1STAGE PUMP HYD. TEMP DEG.C | 1STAGE PUMP HYD. TEMP DEG.C |
| 195 | 96 | 11 | 19 | 16 | 5 | 15 | 14 | 14 | 15 | 14 | 14 | 26 | -14 | 31 | 34 | 32 | 31 | 34 | 32 | 34 | 32 | |
| 197 | 96 | 31 | 14 | 17 | 4 | 15 | 15 | 15 | 15 | 15 | 29 | -11 | 31 | 36 | 32 | 31 | 34 | 36 | 32 | 36 | 33 | |
| 198 | 96 | 51 | 17 | 15 | 5 | 16 | 16 | 16 | 16 | 16 | 29 | -10 | 32 | 36 | 32 | 32 | 36 | 36 | 32 | 36 | 33 | |
| 199 | 97 | 11 | 15 | 14 | 5 | 15 | 15 | 15 | 15 | 15 | 30 | -9 | 33 | 36 | 32 | 33 | 36 | 36 | 33 | 36 | 33 | |
| 200 | 97 | 32 | 17 | 15 | 4 | 15 | 15 | 15 | 15 | 15 | 31 | -8 | 33 | 36 | 33 | 33 | 36 | 36 | 33 | 36 | 34 | |
| 201 | 97 | 52 | 14 | 15 | 4 | 15 | 15 | 15 | 15 | 15 | 31 | -6 | 34 | 36 | 32 | 34 | 36 | 36 | 34 | 36 | 34 | |
| 202 | 98 | 12 | 14 | 15 | 4 | 15 | 15 | 15 | 15 | 15 | 32 | -4 | 34 | 36 | 32 | 34 | 36 | 36 | 34 | 36 | 35 | |
| 203 | 98 | 32 | 14 | 17 | 4 | 15 | 15 | 15 | 15 | 15 | 31 | -4 | 33 | 36 | 33 | 33 | 36 | 36 | 35 | 36 | 35 | |
| 204 | 98 | 52 | 16 | 14 | 2 | 14 | 14 | 14 | 14 | 14 | 37 | -4 | 34 | 36 | 34 | 34 | 34 | 34 | 35 | 36 | 35 | |
| 205 | 99 | 13 | 14 | 12 | 2 | 12 | 12 | 12 | 12 | 12 | 32 | -5 | 33 | 37 | 35 | 37 | 37 | 37 | 35 | 37 | 35 | |
| 206 | 99 | 33 | 16 | 14 | 3 | 14 | 14 | 14 | 14 | 14 | 32 | -6 | 33 | 37 | 35 | 37 | 37 | 37 | 35 | 37 | 35 | |
| 207 | 99 | 53 | 16 | 14 | 3 | 14 | 14 | 14 | 14 | 14 | 31 | -7 | 33 | 36 | 35 | 36 | 36 | 36 | 35 | 36 | 35 | |
| 208 | 100 | 13 | 14 | 13 | 3 | 13 | 13 | 13 | 13 | 13 | 32 | -9 | 33 | 36 | 35 | 36 | 36 | 36 | 35 | 36 | 35 | |
| 209 | 100 | 34 | 14 | 12 | 3 | 13 | 13 | 13 | 13 | 13 | 32 | -9 | 33 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | |
| 210 | 100 | 54 | 16 | 14 | 4 | 14 | 14 | 14 | 14 | 14 | 32 | -9 | 32 | 36 | 35 | 36 | 36 | 36 | 35 | 36 | 35 | |
| 211 | 101 | 14 | 15 | 16 | 4 | 16 | 16 | 16 | 16 | 16 | 32 | -8 | 32 | 36 | 35 | 36 | 36 | 36 | 35 | 36 | 35 | |
| 212 | 101 | 35 | 17 | 15 | 3 | 15 | 15 | 15 | 15 | 15 | 32 | -8 | 32 | 36 | 35 | 37 | 37 | 37 | 35 | 37 | 35 | |
| 213 | 101 | 55 | 16 | 14 | 4 | 14 | 14 | 14 | 14 | 14 | 32 | -9 | 32 | 36 | 35 | 36 | 36 | 36 | 35 | 36 | 35 | |
| 214 | 102 | 15 | 18 | 14 | 4 | 14 | 14 | 14 | 14 | 14 | 33 | -7 | 33 | 36 | 35 | 36 | 36 | 36 | 35 | 36 | 35 | |
| 215 | 102 | 35 | 17 | 15 | 4 | 14 | 14 | 14 | 14 | 14 | 33 | -6 | 33 | 36 | 35 | 36 | 36 | 36 | 35 | 36 | 35 | |
| 216 | 102 | 56 | 15 | 14 | 4 | 13 | 13 | 13 | 13 | 13 | 20 | -6 | 33 | 36 | 35 | 36 | 36 | 36 | 35 | 36 | 35 | |
| 217 | 103 | 16 | 17 | 15 | 3 | 14 | 14 | 14 | 14 | 14 | 19 | -6 | 33 | 36 | 35 | 36 | 36 | 36 | 35 | 36 | 35 | |
| 218 | 103 | 36 | 17 | 15 | 3 | 14 | 14 | 14 | 14 | 14 | 19 | -6 | 34 | 36 | 35 | 36 | 36 | 36 | 35 | 36 | 35 | |
| 219 | 103 | 56 | 16 | 16 | 3 | 14 | 14 | 14 | 14 | 14 | 19 | -7 | 33 | 36 | 35 | 36 | 36 | 36 | 35 | 36 | 35 | |
| 220 | 104 | 17 | 14 | 14 | 3 | 14 | 14 | 14 | 14 | 14 | 20 | -7 | 33 | 36 | 35 | 36 | 36 | 36 | 35 | 36 | 35 | |
| 221 | 104 | 37 | 16 | 14 | 3 | 14 | 14 | 14 | 14 | 14 | 19 | -7 | 33 | 36 | 35 | 36 | 36 | 36 | 35 | 36 | 35 | |
| 222 | 104 | 57 | 16 | 14 | 3 | 14 | 14 | 14 | 14 | 14 | 20 | -8 | 33 | 36 | 35 | 36 | 36 | 36 | 35 | 36 | 35 | |
| 223 | 105 | 18 | 16 | 16 | 4 | 14 | 14 | 14 | 14 | 14 | 19 | -6 | 33 | 36 | 35 | 36 | 36 | 36 | 35 | 36 | 35 | |
| 224 | 105 | 38 | 17 | 15 | 3 | 14 | 14 | 14 | 14 | 14 | 20 | -4 | 33 | 36 | 35 | 36 | 36 | 36 | 35 | 36 | 35 | |
| 225 | 105 | 58 | 15 | 13 | 3 | 13 | 13 | 13 | 13 | 13 | 20 | -3 | 34 | 36 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 226 | 106 | 18 | 16 | 14 | 3 | 13 | 13 | 13 | 13 | 13 | 20 | -3 | 34 | 36 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 227 | 106 | 38 | 16 | 14 | 3 | 13 | 13 | 13 | 13 | 13 | 21 | -3 | 34 | 36 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 228 | 106 | 59 | 16 | 14 | 2 | 14 | 14 | 14 | 14 | 14 | 21 | -3 | 35 | 36 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 229 | 107 | 19 | 17 | 15 | 3 | 14 | 14 | 14 | 14 | 14 | 21 | -3 | 34 | 36 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 230 | 107 | 39 | 14 | 15 | 2 | 14 | 14 | 14 | 14 | 14 | 22 | -3 | 34 | 36 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 231 | 107 | 59 | 14 | 14 | 3 | 14 | 14 | 14 | 14 | 14 | 21 | -4 | 35 | 36 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 232 | 108 | 19 | 14 | 14 | 3 | 14 | 14 | 14 | 14 | 14 | 21 | -4 | 35 | 36 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 233 | 108 | 39 | 16 | 14 | 3 | 14 | 14 | 14 | 14 | 14 | 21 | -4 | 35 | 36 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 234 | 109 | 6 | 16 | 14 | 2 | 14 | 14 | 14 | 14 | 14 | 21 | -4 | 35 | 36 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 235 | 109 | 20 | 17 | 14 | 3 | 14 | 14 | 14 | 14 | 14 | 21 | -4 | 35 | 36 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 236 | 109 | 40 | 15 | 14 | 3 | 14 | 14 | 14 | 14 | 14 | 21 | -5 | 35 | 36 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 237 | 110 | 0 | 17 | 14 | 3 | 14 | 14 | 14 | 14 | 14 | 21 | -6 | 35 | 36 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 238 | 110 | 20 | 17 | 15 | 2 | 15 | 15 | 15 | 15 | 15 | 21 | -7 | 35 | 36 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 239 | 110 | 40 | 14 | 14 | 2 | 14 | 14 | 14 | 14 | 14 | 21 | -8 | 34 | 36 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 240 | 111 | 15 | 15 | 14 | 2 | 14 | 14 | 14 | 14 | 14 | 21 | -8 | 34 | 36 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 241 | 111 | 35 | 17 | 15 | 2 | 15 | 15 | 15 | 15 | 15 | 21 | -9 | 34 | 36 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 242 | 111 | 55 | 14 | 14 | 3 | 14 | 14 | 14 | 14 | 14 | 20 | -10 | 34 | 36 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 243 | 112 | 0 | 14 | 14 | 3 | 14 | 14 | 14 | 14 | 14 | 20 | -11 | 34 | 36 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 244 | 112 | 20 | 14 | 14 | 2 | 14 | 14 | 14 | 14 | 14 | 20 | -11 | 34 | 36 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 245 | 112 | 40 | 17 | 15 | 3 | 15 | 15 | 15 | 15 | 15 | 20 | -11 | 33 | 36 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |

| -01 SLEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PL1 WINDSHD INSIDE LOWER CENTER DEG.C | 4-06 CO-PL1 WINDSHD INSIDE UPPER R H DEG.C | 4-07 CENTER PANEL WINDSHD INSIDE LWR C DEG.C | 4-08 CENTER PANEL WINDSHD INSIDE UPR C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 COLL. /YAW CHANG DEG.C |
|-----------------------|----------------------|----------------------|---|--|--|--|--|---|---|--|---|---|
| 246 | 113 | 0 | 15 | 14 | 2 | 15 | 19 | 34 | -12 | 34 | 37 | 36 |
| 247 | 113 | 20 | 17 | 15 | 2 | 15 | 19 | 33 | -12 | 34 | 37 | 36 |
| 248 | 113 | 41 | 15 | 14 | 2 | 14 | 19 | 32 | -12 | 34 | 37 | 35 |
| 249 | 114 | 1 | 16 | 14 | 2 | 14 | 19 | 32 | -12 | 34 | 37 | 35 |
| 250 | 114 | 21 | 15 | 14 | 2 | 13 | 19 | 32 | -12 | 34 | 37 | 35 |
| 251 | 114 | 41 | 15 | 14 | 2 | 12 | 18 | 32 | -12 | 34 | 37 | 35 |
| 252 | 115 | 1 | 17 | 15 | 2 | 13 | 18 | 32 | -14 | 34 | 36 | 35 |
| 253 | 115 | 21 | 17 | 15 | 2 | 14 | 18 | 32 | -14 | 34 | 36 | 35 |
| 254 | 115 | 41 | 16 | 14 | 2 | 14 | 18 | 31 | -15 | 34 | 37 | 34 |
| 255 | 116 | 1 | 17 | 15 | 2 | 14 | 17 | 31 | -15 | 34 | 36 | 34 |
| 256 | 116 | 21 | 16 | 15 | 2 | 15 | 17 | 31 | -15 | 33 | 35 | 34 |
| 257 | 116 | 41 | 15 | 14 | 2 | 14 | 17 | 31 | -16 | 34 | 35 | 34 |
| 258 | 117 | 1 | 17 | 14 | 2 | 14 | 17 | 31 | -16 | 34 | 35 | 34 |
| 259 | 117 | 21 | 16 | 15 | 2 | 15 | 17 | 31 | -16 | 33 | 35 | 34 |
| 260 | 117 | 41 | 15 | 13 | 2 | 14 | 17 | 31 | -16 | 32 | 35 | 34 |
| 261 | 118 | 1 | 17 | 14 | 2 | 15 | 17 | 31 | -16 | 32 | 34 | 34 |
| 262 | 118 | 21 | 16 | 14 | 2 | 15 | 17 | 30 | -17 | 33 | 34 | 34 |
| 263 | 118 | 41 | 16 | 14 | 2 | 15 | 17 | 31 | -16 | 33 | 34 | 33 |
| 264 | 119 | 1 | 16 | 14 | 2 | 14 | 17 | 31 | -17 | 32 | 34 | 33 |
| 265 | 119 | 21 | 15 | 14 | 1 | 14 | 16 | 30 | -18 | 32 | 34 | 32 |
| 266 | 119 | 41 | 15 | 15 | 2 | 15 | 17 | 32 | -17 | 33 | 34 | 32 |
| 267 | 120 | 1 | 17 | 14 | 2 | 14 | 16 | 31 | -18 | 32 | 34 | 33 |
| 268 | 120 | 21 | 17 | 15 | 2 | 15 | 16 | 31 | -17 | 32 | 34 | 33 |
| 269 | 120 | 41 | 16 | 14 | 2 | 14 | 16 | 33 | -16 | 33 | 35 | 33 |
| 270 | 121 | 1 | 17 | 15 | 2 | 14 | 16 | 31 | -18 | 31 | 34 | 32 |
| 271 | 121 | 21 | 18 | 15 | 2 | 14 | 16 | 30 | -17 | 31 | 33 | 32 |
| 272 | 121 | 41 | 17 | 15 | 3 | 14 | 16 | 30 | -17 | 31 | 33 | 32 |
| 273 | 122 | 1 | 17 | 15 | 2 | 15 | 15 | 29 | -17 | 31 | 34 | 32 |
| 274 | 122 | 22 | 19 | 16 | 2 | 15 | 16 | 29 | -17 | 31 | 33 | 32 |
| 275 | 122 | 42 | 17 | 14 | 2 | 16 | 15 | 29 | -17 | 31 | 34 | 32 |
| 276 | 123 | 1 | 17 | 14 | 2 | 15 | 15 | 29 | -18 | 31 | 34 | 32 |
| 277 | 123 | 23 | 15 | 15 | 2 | 16 | 15 | 29 | -18 | 31 | 33 | 32 |
| 278 | 123 | 43 | 15 | 16 | 2 | 15 | 15 | 29 | -18 | 31 | 33 | 32 |
| 279 | 124 | 3 | 17 | 15 | 2 | 15 | 14 | 28 | -16 | 30 | 32 | 31 |
| 280 | 124 | 24 | 17 | 15 | 1 | 15 | 14 | 27 | -18 | 30 | 31 | 31 |
| 281 | 124 | 44 | 16 | 14 | 2 | 14 | 14 | 27 | -18 | 30 | 32 | 31 |
| 282 | 125 | 5 | 16 | 14 | 1 | 15 | 14 | 27 | -18 | 30 | 32 | 31 |
| 283 | 125 | 26 | 17 | 15 | 1 | 14 | 14 | 27 | -18 | 30 | 32 | 31 |
| 284 | 125 | 46 | 18 | 15 | 1 | 14 | 14 | 27 | -18 | 31 | 32 | 32 |
| 285 | 126 | 7 | 17 | 14 | 2 | 14 | 14 | 27 | -18 | 31 | 32 | 31 |
| 286 | 126 | 27 | 19 | 15 | 2 | 15 | 14 | 27 | -18 | 31 | 32 | 31 |
| 287 | 126 | 46 | 15 | 16 | 2 | 15 | 14 | 27 | -18 | 31 | 32 | 30 |
| 288 | 127 | 6 | 17 | 15 | 2 | 15 | 14 | 27 | -18 | 31 | 32 | 31 |
| 289 | 127 | 29 | 16 | 15 | 1 | 16 | 13 | 27 | -18 | 31 | 32 | 31 |
| 290 | 127 | 50 | 16 | 15 | 2 | 15 | 13 | 27 | -19 | 31 | 33 | 31 |
| 291 | 128 | 10 | 17 | 15 | 1 | 15 | 13 | 26 | -19 | 30 | 32 | 31 |
| 292 | 128 | 31 | 19 | 16 | 2 | 16 | 13 | 26 | -18 | 31 | 33 | 31 |
| 293 | 128 | 51 | 17 | 14 | 1 | 16 | 12 | 26 | -18 | 31 | 33 | 31 |
| 294 | 129 | 12 | 17 | 14 | 1 | 16 | 12 | 25 | -19 | 31 | 32 | 31 |
| 295 | 129 | 32 | 19 | 15 | 1 | 16 | 12 | 25 | -19 | 31 | 32 | 31 |

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-04 COOLY WINDSD INSIDE LOWER CENTER DEG.C | 4-05 COOLY WINDSD INSIDE UPPER R W DEG.C | 4-06 CENTER PANEL WINDSD INSIDE LWR C DEG.C | 4-08 CENTER PANEL WINDSD INSIDE UPR C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE ASFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE ASFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 COLL. HYD IN TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|--|---|---|--|---|--|--|--|--|
| 296 | 120 | 53 | 17 | 15 | 17 | 17 | 12 | 25 | -19 | 31 | 33 | 31 |
| 297 | 130 | 13 | 17 | 15 | 16 | 16 | 12 | 25 | -19 | 31 | 32 | 31 |
| 298 | 130 | 34 | 19 | 16 | 16 | 16 | 12 | 25 | -19 | 31 | 33 | 31 |
| 299 | 130 | 54 | 17 | 16 | 17 | 17 | 12 | 25 | -19 | 31 | 32 | 32 |
| 300 | 131 | 15 | 17 | 16 | 16 | 16 | 12 | 25 | -19 | 31 | 33 | 31 |
| 301 | 131 | 35 | 19 | 16 | 17 | 17 | 12 | 25 | -19 | 30 | 33 | 31 |
| 302 | 131 | 56 | 17 | 15 | 17 | 17 | 11 | 24 | -19 | 31 | 32 | 31 |
| 303 | 132 | 16 | 18 | 15 | 16 | 16 | 11 | 25 | -19 | 31 | 33 | 31 |
| 304 | 132 | 37 | 17 | 15 | 17 | 17 | 12 | 24 | -20 | 31 | 33 | 32 |
| 305 | 132 | 57 | 17 | 15 | 17 | 17 | 12 | 24 | -19 | 31 | 32 | 31 |
| 306 | 133 | 18 | 18 | 14 | 16 | 16 | 11 | 25 | -20 | 31 | 33 | 31 |
| 307 | 133 | 38 | 17 | 13 | 15 | 15 | 12 | 24 | -19 | 31 | 33 | 32 |
| 308 | 133 | 59 | 18 | 14 | 16 | 16 | 11 | 25 | -19 | 31 | 33 | 32 |
| 309 | 134 | 19 | 18 | 14 | 15 | 15 | 12 | 24 | -19 | 32 | 33 | 32 |
| 310 | 134 | 40 | 17 | 16 | 16 | 16 | 12 | 24 | -19 | 31 | 33 | 33 |
| 311 | 135 | 0 | 17 | 16 | 17 | 17 | 12 | 25 | -19 | 31 | 33 | 33 |
| 312 | 135 | 20 | 17 | 15 | 16 | 16 | 12 | 25 | -19 | 31 | 30 | 33 |
| 313 | 135 | 40 | 18 | 16 | 16 | 16 | 12 | 25 | -19 | 31 | 34 | 33 |
| 314 | 136 | 0 | 17 | 14 | 16 | 16 | 12 | 26 | -18 | 32 | 33 | 33 |
| 315 | 136 | 20 | 18 | 14 | 15 | 15 | 12 | 26 | -18 | 32 | 34 | 33 |
| 316 | 136 | 40 | 18 | 15 | 16 | 16 | 12 | 26 | -18 | 32 | 34 | 34 |
| 317 | 137 | 0 | 19 | 16 | 16 | 16 | 13 | 27 | -18 | 31 | 34 | 34 |
| 318 | 137 | 20 | 17 | 16 | 17 | 17 | 12 | 26 | -18 | 31 | 33 | 34 |
| 319 | 137 | 40 | 17 | 15 | 17 | 17 | 13 | 27 | -18 | 32 | 34 | 35 |
| 320 | 138 | 0 | 18 | 15 | 16 | 16 | 13 | 27 | -18 | 32 | 34 | 35 |
| 321 | 138 | 20 | 18 | 15 | 17 | 17 | 13 | 27 | -18 | 32 | 34 | 35 |
| 322 | 138 | 40 | 18 | 17 | 17 | 17 | 14 | 27 | -18 | 32 | 34 | 35 |
| 323 | 139 | 0 | 19 | 16 | 17 | 17 | 13 | 27 | -18 | 32 | 35 | 35 |
| 324 | 139 | 20 | 19 | 16 | 18 | 18 | 13 | 27 | -18 | 32 | 34 | 36 |
| 325 | 139 | 40 | 18 | 14 | 16 | 16 | 13 | 27 | -18 | 32 | 34 | 36 |
| 326 | 140 | 1 | 18 | 12 | 15 | 15 | 14 | 27 | -17 | 32 | 34 | 35 |
| 327 | 140 | 21 | 18 | 13 | 15 | 15 | 13 | 26 | -17 | 32 | 36 | 34 |
| 328 | 140 | 41 | 18 | 14 | 14 | 14 | 14 | 27 | -17 | 31 | 33 | 34 |
| 329 | 141 | 0 | 18 | 13 | 14 | 14 | 13 | 27 | -15 | 30 | 34 | 34 |
| 330 | 141 | 20 | 18 | 13 | 14 | 14 | 12 | 26 | -15 | 28 | 32 | 29 |
| 331 | 141 | 40 | 17 | 13 | 15 | 15 | 12 | 27 | -12 | 27 | 33 | 26 |
| 332 | 142 | 0 | 18 | 14 | 15 | 15 | 13 | 28 | -12 | 28 | 33 | 27 |
| 333 | 142 | 20 | 18 | 14 | 14 | 14 | 12 | 27 | -11 | 26 | 32 | 25 |
| 334 | 142 | 39 | 18 | 13 | 13 | 13 | 12 | 26 | -12 | 25 | 30 | 23 |
| 335 | 142 | 59 | 17 | 15 | 15 | 15 | 12 | 27 | -12 | 25 | 30 | 24 |
| 336 | 143 | 19 | 18 | 17 | 17 | 17 | 12 | 26 | -12 | 25 | 30 | 22 |
| 337 | 143 | 39 | 18 | 16 | 16 | 16 | 11 | 26 | -13 | 24 | 29 | 21 |
| 338 | 143 | 59 | 18 | 16 | 15 | 15 | 11 | 26 | -14 | 23 | 29 | 21 |
| 339 | 144 | 19 | 17 | 16 | 14 | 14 | 11 | 25 | -15 | 23 | 28 | 21 |
| 340 | 144 | 38 | 18 | 14 | 14 | 14 | 11 | 25 | -16 | 23 | 28 | 21 |
| 341 | 144 | 58 | 18 | 13 | 14 | 14 | 11 | 25 | -16 | 22 | 27 | 19 |
| 342 | 145 | 18 | 18 | 12 | 13 | 13 | 11 | 25 | -17 | 22 | 26 | 18 |
| 343 | 145 | 38 | 18 | 12 | 12 | 12 | 11 | 25 | -17 | 21 | 27 | 17 |
| 344 | 145 | 57 | 18 | 12 | 12 | 12 | 11 | 25 | -17 | 21 | 26 | 17 |
| 345 | 146 | 17 | 18 | 12 | 12 | 12 | 9 | 24 | -18 | 20 | 25 | 16 |
| 346 | 146 | 37 | 18 | 12 | 12 | 12 | 8 | 23 | -18 | 19 | 23 | 14 |

| -11 SLEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PLY WINDSHD INSIDE LOWER CENTER DEG.C | 4-06 CO-PLY WINDSHD INSIDE UPPER P.H DEG.C | 4-07 CENTER PANEL WINDSHD INSIDE LWR C DEG.C | 4-08 CENTER PANEL WINDSHD INSIDE UPR C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 (COLL. /VAN CHAN) DEG.C |
|-----------------------|----------------------|----------------------|---|--|--|--|--|---|---|--|---|--|
| 346 | 146 | 37 | 17 | 15 | 0 | 13 | 8 | 24 | -17 | 20 | 24 | 14 |
| 347 | 146 | 57 | 17 | 14 | 0 | 14 | 8 | 23 | -17 | 19 | 24 | 14 |
| 348 | 147 | 17 | 16 | 14 | 1 | 12 | 8 | 22 | -18 | 18 | 22 | 14 |
| 349 | 147 | 36 | 19 | 14 | 0 | 12 | 7 | 21 | -18 | 17 | 21 | 13 |
| 350 | 147 | 56 | 15 | 16 | 0 | 13 | 7 | 19 | -18 | 16 | 20 | 12 |
| 351 | 148 | 16 | 14 | 14 | 0 | 14 | 6 | 19 | -19 | 15 | 19 | 12 |
| 352 | 148 | 36 | 17 | 13 | 0 | 12 | 5 | 18 | -19 | 15 | 19 | 12 |
| 353 | 148 | 56 | 17 | 13 | 0 | 12 | 4 | 17 | -19 | 14 | 20 | 10 |
| 354 | 149 | 16 | 18 | 13 | 1 | 14 | 4 | 17 | -19 | 14 | 20 | 10 |
| 355 | 149 | 35 | 14 | 12 | 0 | 14 | 5 | 18 | -19 | 14 | 19 | 11 |
| 356 | 149 | 55 | 14 | 12 | 0 | 12 | 5 | 18 | -19 | 14 | 19 | 11 |
| 357 | 150 | 15 | 15 | 12 | 0 | 13 | 5 | 18 | -19 | 15 | 19 | 10 |
| 358 | 150 | 35 | 14 | 14 | 0 | 12 | 5 | 19 | -19 | 15 | 19 | 11 |
| 359 | 150 | 54 | 14 | 12 | 0 | 14 | 5 | 18 | -19 | 15 | 20 | 11 |
| 360 | 151 | 14 | 16 | 12 | 0 | 13 | 5 | 18 | -20 | 15 | 19 | 11 |
| 361 | 151 | 34 | 14 | 12 | 0 | 13 | 5 | 18 | -20 | 15 | 19 | 11 |
| 362 | 151 | 54 | 13 | 11 | 0 | 12 | 5 | 19 | -19 | 15 | 19 | 11 |
| 363 | 152 | 13 | 15 | 12 | 0 | 13 | 5 | 18 | -19 | 14 | 19 | 11 |
| 364 | 152 | 33 | 14 | 12 | 0 | 12 | 5 | 19 | -19 | 15 | 19 | 11 |
| 365 | 152 | 53 | 15 | 13 | 0 | 13 | 5 | 19 | -20 | 14 | 19 | 11 |
| 366 | 153 | 13 | 16 | 14 | 0 | 13 | 5 | 20 | -20 | 14 | 19 | 11 |
| 367 | 153 | 32 | 14 | 13 | 0 | 12 | 5 | 20 | -19 | 14 | 19 | 11 |
| 368 | 153 | 52 | 15 | 15 | 0 | 14 | 5 | 20 | -19 | 14 | 19 | 11 |
| 369 | 154 | 12 | 19 | 15 | 0 | 14 | 5 | 20 | -20 | 14 | 19 | 11 |
| 370 | 154 | 32 | 16 | 16 | 0 | 14 | 5 | 20 | -20 | 14 | 19 | 11 |
| 371 | 154 | 51 | 15 | 15 | 0 | 14 | 4 | 19 | -20 | 14 | 19 | 10 |
| 372 | 155 | 11 | 15 | 15 | 0 | 15 | 4 | 20 | -20 | 14 | 19 | 10 |
| 373 | 155 | 31 | 16 | 16 | 0 | 15 | 5 | 20 | -20 | 14 | 19 | 11 |
| 374 | 155 | 51 | 16 | 16 | 0 | 15 | 5 | 20 | -20 | 14 | 19 | 11 |
| 375 | 156 | 10 | 22 | 18 | 0 | 16 | 5 | 19 | -20 | 14 | 18 | 11 |
| 376 | 156 | 30 | 21 | 16 | 0 | 15 | 6 | 20 | -20 | 14 | 19 | 11 |
| 377 | 156 | 50 | 17 | 17 | 0 | 15 | 5 | 19 | -20 | 14 | 19 | 11 |
| 378 | 157 | 10 | 22 | 17 | 0 | 17 | 5 | 20 | -20 | 13 | 19 | 11 |
| 379 | 157 | 29 | 21 | 17 | 0 | 16 | 6 | 20 | -19 | 14 | 19 | 11 |
| 380 | 157 | 49 | 21 | 17 | 0 | 15 | 6 | 21 | -18 | 14 | 19 | 11 |
| 381 | 158 | 9 | 28 | 17 | 2 | 16 | 5 | 21 | -17 | 15 | 20 | 12 |
| 382 | 158 | 28 | 17 | 15 | 6 | 14 | 7 | 21 | -16 | 15 | 20 | 12 |
| 383 | 158 | 48 | 18 | 15 | 6 | 15 | 7 | 21 | -16 | 15 | 20 | 12 |
| 384 | 159 | 6 | 21 | 17 | 11 | 15 | 7 | 21 | -16 | 15 | 20 | 13 |
| 385 | 159 | 27 | 21 | 17 | 12 | 15 | 7 | 22 | -16 | 15 | 20 | 13 |
| 386 | 159 | 47 | 19 | 16 | 12 | 15 | 7 | 22 | -16 | 15 | 20 | 13 |
| 387 | 160 | 7 | 23 | 17 | 11 | 16 | 7 | 22 | -17 | 15 | 20 | 13 |
| 388 | 160 | 26 | 21 | 18 | 12 | 15 | 7 | 22 | -18 | 15 | 19 | 13 |
| 389 | 160 | 46 | 21 | 17 | 13 | 15 | 8 | 21 | -18 | 15 | 19 | 13 |
| 390 | 161 | 6 | 21 | 17 | 13 | 15 | 7 | 22 | -18 | 14 | 19 | 13 |
| 391 | 161 | 25 | 21 | 17 | 13 | 15 | 7 | 22 | -19 | 14 | 19 | 12 |
| 392 | 161 | 45 | 20 | 18 | 13 | 16 | 6 | 21 | -19 | 14 | 19 | 12 |
| 393 | 162 | 5 | 19 | 16 | 13 | 15 | 5 | 22 | -19 | 14 | 19 | 12 |
| 394 | 162 | 24 | 21 | 17 | 14 | 15 | 5 | 22 | -19 | 14 | 19 | 12 |
| 395 | 163 | 28 | 20 | 17 | 15 | 16 | 5 | 20 | -21 | 13 | 18 | 11 |

| 4-01 SLEEP COUNT | 4-02 TIME *HR. | 4-03 TIME SEC. | 4-05 CO-PLT HANDSHO INSIDE LOWER CENTER DEG.C | 4-06 CO-PLT HANDSHO INSIDE UPPER R H DEG.C | 4-07 CENTER PANEL HANDSHO INSIDE LWR C DEG.C | 4-08 CENTER PANEL HANDSHO INSIDE UPR C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 (COOL. /VAH CHANG DEG.C |
|------------------------|----------------------|----------------------|---|--|--|--|--|---|---|--|---|--|
| 396 | 163 | 46 | 21 | 17 | 15 | 15 | 5 | 20 | -21 | 14 | 16 | 11 |
| 397 | 164 | 7 | 20 | 17 | 13 | 15 | 5 | 20 | -21 | 13 | 18 | 11 |
| 398 | 166 | 56 | 14 | 15 | 13 | 15 | 5 | 19 | -20 | 14 | 19 | 11 |
| 399 | 157 | 16 | 14 | 14 | 11 | 14 | 5 | 20 | -20 | 14 | 19 | 11 |
| 400 | 167 | 35 | 17 | 15 | 12 | 14 | 5 | 20 | -20 | 14 | 16 | 11 |
| 401 | 169 | 30 | 12 | 11 | 10 | 12 | 5 | 20 | -20 | 14 | 16 | 11 |
| 402 | 172 | 4 | 14 | 12 | 11 | 12 | 6 | 23 | -16 | 18 | 22 | 15 |
| 403 | 172 | 24 | 15 | 13 | 11 | 14 | 9 | 23 | -15 | 18 | 25 | 16 |
| 404 | 172 | 43 | 12 | 14 | 9 | 13 | 9 | 23 | -14 | 19 | 24 | 16 |
| 405 | 174 | 38 | 15 | 13 | 12 | 13 | 9 | 24 | -17 | 17 | 22 | 14 |
| 406 | 174 | 57 | 15 | 13 | 12 | 13 | 9 | 23 | -18 | 15 | 21 | 12 |
| 407 | 175 | 17 | 16 | 14 | 12 | 13 | 9 | 23 | -19 | 16 | 22 | 12 |
| 408 | 177 | 12 | 15 | 13 | 11 | 14 | 9 | 22 | -26 | 17 | 22 | 14 |
| 408 | 177 | 12 | 15 | 13 | 11 | 14 | 9 | 23 | -25 | 18 | 22 | 16 |
| 409 | 176 | 2 | 17 | 14 | 13 | 15 | 9 | 23 | -24 | 18 | 24 | 16 |
| 410 | 178 | 22 | 18 | 14 | 13 | 16 | 16 | 24 | -22 | 17 | 24 | 16 |
| 411 | 178 | 41 | 18 | 14 | 13 | 16 | 16 | 24 | -22 | 19 | 24 | 18 |
| 412 | 179 | 1 | 15 | 13 | 12 | 14 | 14 | 24 | -21 | 20 | 24 | 18 |
| 413 | 179 | 20 | 14 | 12 | 12 | 14 | 18 | 25 | -21 | 20 | 25 | 19 |
| 414 | 179 | 40 | 13 | 12 | 12 | 14 | 18 | 25 | -21 | 21 | 25 | 19 |
| 415 | 180 | 0 | 15 | 12 | 10 | 13 | 11 | 25 | -21 | 21 | 25 | 20 |
| 416 | 180 | 10 | 14 | 11 | 11 | 12 | 11 | 25 | -21 | 21 | 25 | 21 |
| 417 | 180 | 39 | 15 | 13 | 11 | 14 | 11 | 25 | -22 | 21 | 25 | 21 |
| 418 | 180 | 58 | 15 | 14 | 11 | 14 | 11 | 25 | -22 | 21 | 25 | 21 |
| 418 | 180 | 10 | 13 | 10 | 7 | 13 | 11 | 25 | -22 | 21 | 25 | 20 |
| 419 | 181 | 16 | 13 | 10 | 5 | 13 | 11 | 24 | -22 | 21 | 25 | 20 |
| 420 | 181 | 37 | 10 | 9 | 5 | 11 | 11 | 24 | -22 | 21 | 25 | 21 |
| 421 | 181 | 57 | 9 | 6 | 3 | 10 | 11 | 25 | -22 | 21 | 23 | 21 |
| 422 | 182 | 17 | 6 | 8 | 1 | 11 | 11 | 25 | -22 | 21 | 23 | 21 |
| 423 | 182 | 36 | 5 | 7 | 1 | 10 | 11 | 26 | -22 | 21 | 23 | 22 |
| 424 | 182 | 56 | 7 | 7 | 0 | 9 | 10 | 26 | -22 | 21 | 24 | 22 |
| 425 | 183 | 15 | 4 | 5 | 0 | 8 | 11 | 26 | -22 | 21 | 23 | 23 |
| 426 | 183 | 35 | 1 | 6 | -1 | 8 | 11 | 27 | -22 | 21 | 23 | 24 |
| 427 | 183 | 54 | 1 | 4 | -2 | 8 | 10 | 27 | -22 | 22 | 23 | 24 |
| 428 | 184 | 13 | 0 | 5 | -1 | 7 | 11 | 27 | -22 | 22 | 24 | 24 |
| 429 | 184 | 34 | 0 | 3 | -3 | 6 | 10 | 27 | -23 | 22 | 24 | 24 |
| 430 | 184 | 54 | -2 | 4 | -4 | 6 | 10 | 27 | -23 | 22 | 24 | 24 |
| 431 | 185 | 14 | 4 | 4 | -4 | 6 | 10 | 26 | -23 | 22 | 24 | 24 |
| 432 | 185 | 34 | -1 | 3 | -4 | 4 | 10 | 26 | -23 | 22 | 24 | 24 |
| 433 | 185 | 54 | -1 | 2 | -4 | 7 | 9 | 26 | -24 | 23 | 24 | 25 |
| 434 | 186 | 13 | -1 | 4 | -7 | 5 | 9 | 25 | -24 | 23 | 24 | 26 |
| 435 | 186 | 33 | -4 | 3 | -7 | 5 | 9 | 21 | -24 | 23 | 27 | 26 |
| 436 | 186 | 52 | -3 | 2 | -4 | 3 | 9 | 21 | -24 | 24 | 30 | 26 |
| 437 | 187 | 12 | -3 | 3 | -4 | 4 | 9 | 17 | -24 | 24 | 33 | 25 |
| 438 | 187 | 31 | -4 | 3 | -5 | 5 | 6 | 17 | -23 | 26 | 36 | 25 |
| 439 | 187 | 51 | -5 | 3 | -8 | 5 | 9 | 16 | -23 | 26 | 37 | 25 |
| 440 | 189 | 30 | -6 | 1 | -6 | 2 | 12 | 15 | -18 | 34 | 46 | 27 |
| 441 | 191 | 12 | -7 | 1 | -4 | 1 | 14 | 13 | -16 | 39 | 41 | 27 |
| 442 | 191 | 31 | -8 | 1 | -5 | 1 | 13 | 13 | -15 | 39 | 41 | 20 |
| 443 | 191 | 51 | -8 | 1 | -5 | 1 | 13 | 13 | -15 | 39 | 37 | 20 |
| 444 | 192 | 10 | -8 | 1 | -4 | 0 | 13 | 12 | -14 | 39 | 36 | 19 |
| 445 | 194 | 1 | -8 | 0 | -3 | -0 | 12 | 10 | -13 | 38 | 28 | 17 |

HM-53C S/N 68-10354
ARCTIC TEST
9 JANUARY 1971
RUN NO. 2 -40.0 DEG C / -40 DEG F

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

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

| SWEEP COUNT | TIME MIN. | TIME SEC. | 4-16 STAB. AFCS 1 (PITCH /ROLL CHAN) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP. DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP. DEG.C | 4-19 UTIL. AFCS 2 (PITCH /ROLL CHAN) DEG.C | 4-20 ROTARY RUDDER 1STAGE INLET TEMP. DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP. DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP. DEG.C | 4-23 WINCH PUMP OUTLET TEMP. HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|----------------|--------------|--------------|--|--|---|--|---|--|--|---|--|---|
| 96 | 62 | 11 | 9 | 12 | 27 | -9 | -35 | -24 | 9 | 5 | 39 | 15 |
| 97 | 62 | 32 | 15 | 14 | 26 | -10 | -36 | -25 | 9 | 5 | 39 | 17 |
| 98 | 62 | 53 | 18 | 15 | 27 | -10 | -35 | -25 | 10 | 5 | 38 | 17 |
| 99 | 63 | 13 | 21 | 15 | 26 | -10 | -36 | -25 | 9 | 5 | 39 | 17 |
| 100 | 63 | 34 | 25 | 15 | 27 | -9 | -36 | -25 | 9 | 5 | 39 | 17 |
| 101 | 63 | 54 | 27 | 16 | 27 | -8 | -36 | -25 | 9 | 6 | 39 | 15 |
| 102 | 64 | 15 | 25 | 15 | 28 | -8 | -35 | -25 | 10 | 5 | 40 | 14 |
| 103 | 64 | 35 | 29 | 16 | 28 | -6 | -35 | -24 | 10 | 5 | 41 | 14 |
| 104 | 64 | 56 | 31 | 16 | 26 | -7 | -35 | -24 | 11 | 10 | 38 | 16 |
| 105 | 65 | 17 | 31 | 15 | 25 | -7 | -35 | -25 | 11 | 6 | 37 | 14 |
| 106 | 65 | 37 | 31 | 15 | 24 | -7 | -35 | -25 | 11 | 6 | 38 | 28 |
| 107 | 65 | 59 | 33 | 15 | 26 | -6 | -36 | -24 | 8 | 9 | 42 | 18 |
| 108 | 66 | 18 | 33 | 17 | 25 | -6 | -36 | -24 | 9 | 8 | 46 | 22 |
| 109 | 66 | 39 | 33 | 17 | 25 | -5 | -35 | -24 | 11 | 7 | 44 | 25 |
| 110 | 66 | 59 | 34 | 18 | 26 | -5 | -35 | -24 | 11 | 7 | 41 | 25 |
| 111 | 67 | 20 | 34 | 18 | 27 | -4 | -35 | -25 | 11 | 7 | 41 | 24 |
| 112 | 67 | 41 | 34 | 18 | 28 | -5 | -35 | -25 | 11 | 7 | 41 | 24 |
| 113 | 68 | 1 | 35 | 18 | 28 | -4 | -34 | -25 | 11 | 7 | 41 | 24 |
| 114 | 68 | 22 | 35 | 18 | 29 | -4 | -34 | -24 | 12 | 7 | 41 | 25 |
| 115 | 68 | 43 | 35 | 19 | 30 | -4 | -34 | -25 | 12 | 12 | 46 | 21 |
| 116 | 69 | 4 | 36 | 20 | 29 | -4 | -35 | -25 | 14 | 11 | 52 | 25 |
| 117 | 69 | 25 | 37 | 20 | 28 | -3 | -35 | -25 | 15 | 9 | 48 | 29 |
| 118 | 69 | 45 | 38 | 20 | 29 | -2 | -35 | -25 | 15 | 9 | 44 | 28 |
| 119 | 70 | 6 | 37 | 20 | 27 | -2 | -35 | -25 | 14 | 9 | 44 | 27 |
| 120 | 70 | 27 | 33 | 20 | 30 | -2 | -35 | -25 | 14 | 8 | 44 | 26 |
| 121 | 70 | 48 | 33 | 20 | 31 | -2 | -34 | -25 | 14 | 9 | 44 | 26 |
| 122 | 71 | 4 | 36 | 21 | 31 | -2 | -36 | -26 | 15 | 9 | 43 | 27 |
| 123 | 71 | 28 | 37 | 21 | 31 | -2 | -34 | -26 | 15 | 10 | 44 | 27 |
| 124 | 71 | 49 | 36 | 21 | 31 | -2 | -35 | -26 | 15 | 9 | 44 | 27 |
| 125 | 72 | 9 | 37 | 21 | 31 | -2 | -34 | -26 | 15 | 9 | 44 | 27 |
| 126 | 72 | 30 | 36 | 20 | 31 | -1 | -34 | -27 | 15 | 9 | 43 | 27 |
| 127 | 72 | 50 | 37 | 19 | 27 | -1 | -34 | -27 | 15 | 9 | 43 | 27 |
| 128 | 73 | 11 | 37 | 19 | 28 | -1 | -32 | -28 | 16 | 6 | 42 | 27 |
| 129 | 73 | 31 | 37 | 19 | 29 | 0 | -34 | -28 | 13 | 6 | 42 | 26 |
| 130 | 73 | 52 | 33 | 19 | 27 | 0 | -32 | -28 | 13 | 11 | 51 | 26 |
| 131 | 74 | 12 | 29 | 20 | 26 | 0 | -32 | -29 | 15 | 9 | 53 | 26 |
| 132 | 74 | 33 | 31 | 20 | 26 | 0 | -33 | -30 | 15 | 9 | 53 | 26 |
| 133 | 74 | 53 | 31 | 20 | 27 | 0 | -32 | -29 | 15 | 8 | 48 | 28 |
| 134 | 75 | 14 | 31 | 20 | 27 | 0 | -32 | -29 | 16 | 6 | 43 | 25 |
| 135 | 75 | 34 | 31 | 20 | 27 | 0 | -32 | -28 | 16 | 6 | 43 | 25 |
| 136 | 75 | 54 | 29 | 19 | 27 | 0 | -31 | -28 | 16 | 6 | 42 | 25 |
| 137 | 76 | 15 | 25 | 18 | 27 | 0 | -31 | -30 | 14 | 8 | 42 | 24 |
| 138 | 76 | 35 | 25 | 18 | 27 | 0 | -30 | -30 | 14 | 6 | 41 | 25 |
| 139 | 76 | 56 | 27 | 18 | 27 | 0 | -30 | -30 | 14 | 6 | 41 | 25 |
| 140 | 77 | 14 | 29 | 18 | 27 | 0 | -29 | -29 | 14 | 8 | 42 | 25 |
| 141 | 77 | 34 | 28 | 18 | 29 | 0 | -29 | -29 | 14 | 9 | 42 | 25 |
| 142 | 77 | 57 | 28 | 18 | 28 | 0 | -28 | -28 | 14 | 6 | 42 | 24 |
| 143 | 78 | 17 | 28 | 18 | 28 | 0 | -28 | -28 | 14 | 6 | 42 | 25 |
| 144 | 78 | 37 | 28 | 18 | 27 | 1 | -28 | -28 | 14 | 6 | 42 | 24 |
| 145 | 78 | 57 | 28 | 18 | 27 | 1 | -28 | -28 | 14 | 6 | 42 | 25 |
| 146 | 78 | 78 | 28 | 18 | 27 | 1 | -28 | -28 | 14 | 6 | 42 | 24 |
| 147 | 78 | 97 | 28 | 18 | 27 | 1 | -28 | -28 | 13 | 8 | 41 | 24 |

| -01 SWEEP COUNT | 4-02 TIME *1N. | 4-03 TIME SEC. | 4-14 2STAGE AFCS 1 (PITCH /ROLL /YAW) DEG.C | 4-16 UTIL. PUMP OUTLET HYD. TEMP DEG.C | 4-19 UTIL AFCS 2 (PITCH /ROLL /YAW) DEG.C | 4-20 ROTARY RUDDER INLET TEMP DEG.C | 4-21 ROTARY RUDDER INLET TEMP DEG.C | 4-22 WINDCH PUMP INLET HYD. TEMP DEG.C | 4-23 WINDCH PUMP OUTLET TEMP HYD. DEG.C | 4-24 UTIL. EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|-----------------------|----------------------|----------------------|---|--|---|--|--|--|---|--|---|
| | | | | | | | | | | | |
| 147 | 79 | 38 | 24 | 18 | 1 | -26 | -26 | 14 | 8 | 42 | 25 |
| 148 | 79 | 58 | 24 | 18 | 1 | -25 | -27 | 14 | 8 | 42 | 24 |
| 149 | 80 | 16 | 27 | 17 | 0 | -27 | -28 | 12 | 6 | 40 | 23 |
| 150 | 80 | 39 | 27 | 17 | 0 | -26 | -27 | 12 | 7 | 40 | 23 |
| 151 | 81 | 0 | 27 | 17 | 1 | -25 | -26 | 14 | 7 | 41 | 23 |
| 152 | 81 | 20 | 27 | 17 | 0 | -26 | -26 | 13 | 7 | 41 | 24 |
| 153 | 81 | 40 | 26 | 17 | 1 | -26 | -26 | 12 | 6 | 40 | 24 |
| 154 | 82 | 1 | 26 | 17 | 1 | -26 | -26 | 12 | 6 | 40 | 24 |
| 155 | 82 | 21 | 27 | 17 | 1 | -24 | -25 | 13 | 7 | 41 | 24 |
| 156 | 82 | 41 | 27 | 17 | 1 | -24 | -24 | 13 | 7 | 41 | 24 |
| 157 | 82 | 1 | 27 | 17 | 1 | -24 | -24 | 12 | 7 | 41 | 24 |
| 158 | 83 | 22 | 27 | 17 | 1 | -24 | -24 | 13 | 7 | 41 | 24 |
| 159 | 83 | 42 | 27 | 17 | 1 | -24 | -24 | 12 | 7 | 41 | 23 |
| 160 | 84 | 2 | 27 | 17 | 1 | -24 | -25 | 12 | 7 | 41 | 24 |
| 161 | 84 | 23 | 27 | 17 | 1 | -24 | -26 | 12 | 7 | 40 | 24 |
| 162 | 84 | 43 | 27 | 16 | 1 | -24 | -24 | 13 | 7 | 41 | 23 |
| 163 | 85 | 3 | 27 | 16 | 1 | -24 | -24 | 12 | 6 | 40 | 23 |
| 164 | 85 | 23 | 27 | 17 | 1 | -23 | -24 | 12 | 6 | 40 | 23 |
| 165 | 85 | 44 | 27 | 17 | 1 | -24 | -23 | 12 | 6 | 40 | 23 |
| 166 | 86 | 4 | 27 | 16 | 1 | -24 | -24 | 11 | 5 | 39 | 23 |
| 167 | 86 | 24 | 27 | 16 | 1 | -23 | -23 | 11 | 5 | 39 | 23 |
| 168 | 86 | 44 | 27 | 16 | 1 | -23 | -23 | 12 | 5 | 40 | 24 |
| 169 | 87 | 5 | 26 | 16 | 1 | -24 | -23 | 12 | 5 | 39 | 22 |
| 170 | 87 | 25 | 26 | 15 | 1 | -24 | -23 | 11 | 5 | 39 | 22 |
| 171 | 87 | 45 | 26 | 15 | 1 | -24 | -23 | 12 | 5 | 39 | 22 |
| 172 | 88 | 5 | 27 | 16 | 1 | -23 | -22 | 11 | 5 | 39 | 23 |
| 173 | 88 | 26 | 26 | 15 | 1 | -23 | -22 | 11 | 5 | 39 | 23 |
| 174 | 88 | 46 | 26 | 15 | 1 | -23 | -22 | 11 | 4 | 39 | 22 |
| 175 | 89 | 6 | 27 | 16 | 1 | -23 | -22 | 11 | 4 | 40 | 18 |
| 176 | 89 | 26 | 27 | 15 | 2 | -24 | -21 | 11 | 4 | 40 | 20 |
| 177 | 89 | 47 | 27 | 15 | 1 | -24 | -21 | 10 | 3 | 40 | 21 |
| 178 | 90 | 7 | 24 | 16 | 1 | -24 | -20 | 11 | 3 | 39 | 22 |
| 179 | 90 | 27 | 27 | 16 | 2 | -24 | -20 | 10 | 3 | 39 | 21 |
| 180 | 90 | 47 | 24 | 16 | 2 | -24 | -19 | 11 | 3 | 39 | 20 |
| 181 | 91 | 7 | 24 | 15 | 1 | -24 | -19 | 9 | 2 | 39 | 20 |
| 182 | 91 | 28 | 24 | 15 | 1 | -24 | -18 | 10 | 2 | 38 | 20 |
| 183 | 91 | 48 | 24 | 15 | 1 | -24 | -18 | 9 | 2 | 38 | 19 |
| 184 | 92 | 8 | 24 | 15 | 1 | -24 | -19 | 9 | 1 | 38 | 19 |
| 185 | 92 | 28 | 24 | 15 | 1 | -23 | -18 | 8 | 1 | 37 | 20 |
| 186 | 92 | 48 | 24 | 15 | 1 | -22 | -18 | 8 | 1 | 36 | 18 |
| 187 | 93 | 0 | 24 | 15 | 1 | -22 | -18 | 8 | 0 | 36 | 18 |
| 188 | 93 | 29 | 24 | 15 | 1 | -23 | -18 | 7 | 0 | 35 | 18 |
| 189 | 93 | 49 | 28 | 14 | 0 | -23 | -18 | 7 | 0 | 35 | 18 |
| 190 | 94 | 9 | 27 | 14 | 0 | -23 | -17 | 6 | 0 | 34 | 18 |
| 191 | 94 | 30 | 27 | 14 | 0 | -23 | -16 | 5 | 0 | 34 | 19 |
| 192 | 94 | 50 | 26 | 14 | 0 | -24 | -16 | 7 | 0 | 34 | 19 |
| 193 | 95 | 10 | 26 | 14 | 0 | -24 | -16 | 7 | 0 | 34 | 18 |
| 194 | 95 | 30 | 24 | 14 | 0 | -24 | -17 | 7 | 0 | 34 | 18 |
| 195 | 95 | 51 | 26 | 14 | 0 | -22 | -17 | 7 | 0 | 34 | 19 |

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-16 ASTASE AFCS 1 (PITCH /ROLL /CHAND) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP. DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP. DEG.C | 4-19 UTIL AFCS 2 (PITCH / ROLL CHAND) DEG.C | 4-20 ROTARY RUDDER ISTASE INLET TEMP. DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP. DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP. DEG.C | 4-23 WINCH PUMP OUTLET TEMP. HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|-----------------------|----------------------|----------------------|---|--|---|---|---|--|--|---|--|---|
| 196 | 95 | 11 | 28 | 14 | 24 | 0 | -20 | -17 | 7 | 0 | 38 | 19 |
| 197 | 95 | 31 | 28 | 14 | 24 | 0 | -22 | -18 | 7 | 0 | 38 | 19 |
| 198 | 96 | 51 | 20 | 14 | 24 | 0 | -22 | -18 | 7 | 0 | 38 | 19 |
| 199 | 97 | 11 | 23 | 14 | 24 | 0 | -20 | -19 | 6 | 0 | 38 | 19 |
| 200 | 97 | 32 | 23 | 14 | 24 | 0 | -21 | -20 | 7 | 0 | 38 | 21 |
| 201 | 97 | 52 | 25 | 15 | 24 | 0 | -20 | -18 | 7 | 0 | 38 | 21 |
| 202 | 98 | 12 | 31 | 15 | 25 | 0 | -22 | -19 | 7 | 0 | 38 | 21 |
| 203 | 98 | 32 | 30 | 15 | 24 | 0 | -21 | -18 | 6 | 0 | 38 | 21 |
| 204 | 98 | 52 | 30 | 15 | 24 | 1 | -19 | -19 | 7 | 0 | 38 | 20 |
| 205 | 99 | 13 | 30 | 14 | 24 | 1 | -19 | -19 | 7 | 0 | 38 | 20 |
| 206 | 99 | 33 | 30 | 14 | 24 | 1 | -19 | -18 | 7 | 0 | 38 | 20 |
| 207 | 99 | 53 | 31 | 14 | 24 | 1 | -18 | -19 | 6 | 0 | 38 | 20 |
| 208 | 100 | 13 | 31 | 14 | 25 | 1 | -19 | -19 | 5 | 0 | 38 | 20 |
| 209 | 100 | 34 | 31 | 13 | 24 | 1 | -17 | -16 | 6 | 0 | 38 | 20 |
| 210 | 100 | 54 | 31 | 15 | 25 | 1 | -18 | -18 | 5 | 0 | 38 | 20 |
| 211 | 101 | 70 | 31 | 14 | 24 | 1 | -18 | -18 | 5 | 0 | 38 | 20 |
| 212 | 101 | 35 | 30 | 14 | 25 | 1 | -17 | -18 | 5 | 0 | 38 | 19 |
| 213 | 101 | 55 | 30 | 14 | 25 | 1 | -18 | -16 | 5 | 0 | 38 | 20 |
| 214 | 102 | 15 | 31 | 14 | 24 | 2 | -18 | -17 | 5 | 0 | 39 | 21 |
| 215 | 102 | 35 | 31 | 15 | 25 | 1 | -17 | -18 | 5 | 0 | 38 | 21 |
| 216 | 102 | 56 | 31 | 14 | 25 | 1 | -18 | -17 | 5 | 0 | 39 | 20 |
| 217 | 103 | 16 | 30 | 14 | 25 | 1 | -18 | -18 | 5 | 0 | 38 | 19 |
| 218 | 103 | 36 | 30 | 14 | 25 | 1 | -16 | -17 | 5 | 0 | 38 | 20 |
| 219 | 103 | 56 | 30 | 14 | 25 | 2 | -18 | -14 | 5 | 0 | 38 | 19 |
| 220 | 104 | 17 | 31 | 14 | 24 | 1 | -18 | -16 | 5 | 0 | 38 | 21 |
| 221 | 104 | 37 | 31 | 15 | 25 | 2 | -19 | -15 | 5 | 0 | 38 | 20 |
| 222 | 104 | 57 | 31 | 15 | 25 | 2 | -19 | -18 | 5 | 0 | 39 | 20 |
| 223 | 105 | 18 | 31 | 14 | 25 | 2 | -20 | -18 | 5 | 0 | 38 | 21 |
| 224 | 105 | 38 | 31 | 14 | 25 | 2 | -20 | -18 | 5 | 0 | 38 | 19 |
| 225 | 105 | 58 | 31 | 14 | 25 | 2 | -20 | -16 | 5 | 0 | 39 | 20 |
| 226 | 106 | 18 | 32 | 14 | 25 | 2 | -19 | -19 | 5 | 0 | 38 | 20 |
| 227 | 106 | 38 | 32 | 14 | 25 | 2 | -19 | -19 | 5 | 0 | 38 | 20 |
| 228 | 106 | 59 | 31 | 14 | 24 | 2 | -19 | -19 | 6 | 0 | 39 | 19 |
| 229 | 107 | 19 | 31 | 14 | 25 | 2 | -18 | -18 | 6 | 0 | 39 | 19 |
| 230 | 107 | 39 | 32 | 14 | 25 | 2 | -21 | -18 | 5 | 0 | 38 | 19 |
| 231 | 107 | 59 | 33 | 15 | 25 | 2 | -21 | -18 | 6 | 0 | 38 | 20 |
| 232 | 108 | 19 | 32 | 14 | 24 | 2 | -22 | -20 | 6 | 0 | 38 | 19 |
| 233 | 108 | 39 | 32 | 14 | 24 | 2 | -22 | -18 | 6 | 0 | 38 | 20 |
| 234 | 109 | 0 | 33 | 14 | 25 | 2 | -22 | -22 | 7 | 0 | 38 | 19 |
| 235 | 109 | 20 | 34 | 14 | 24 | 2 | -22 | -22 | 7 | 0 | 38 | 19 |
| 236 | 109 | 40 | 33 | 15 | 25 | 2 | -23 | -23 | 7 | 1 | 38 | 20 |
| 237 | 110 | 0 | 32 | 14 | 24 | 2 | -22 | -24 | 7 | 1 | 38 | 19 |
| 238 | 110 | 20 | 32 | 14 | 24 | 2 | -24 | -24 | 7 | 1 | 36 | 19 |
| 239 | 110 | 40 | 31 | 14 | 24 | 2 | -23 | -25 | 7 | 1 | 38 | 19 |
| 240 | 111 | 0 | 30 | 14 | 24 | 2 | -23 | -25 | 7 | 1 | 38 | 19 |
| 241 | 111 | 20 | 31 | 14 | 24 | 2 | -25 | -24 | 7 | 1 | 38 | 20 |
| 242 | 111 | 40 | 29 | 14 | 24 | 2 | -24 | -24 | 7 | 1 | 38 | 21 |
| 243 | 112 | 0 | 24 | 14 | 24 | 2 | -24 | -24 | 6 | 1 | 38 | 21 |
| 244 | 112 | 20 | 30 | 14 | 24 | 1 | -24 | -26 | 6 | 1 | 38 | 21 |
| 245 | 112 | 40 | 29 | 14 | 24 | 1 | -23 | -25 | 7 | 2 | 37 | 21 |

| -01 SHEEP COUNT | 1-02 TIME *IN. | 4-03 TIME SEC. | 4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) | 4-17 UTIL. PUMP INLET HYD. TEMP DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C | 4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) | 4-20 ROTARY RUDDER ISTAGE INLET TEMP DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP DEG.C | 4-23 WINCH PUMP OUTLET HYD. TEMP DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. TEMP DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|---|--|---|--|---|---|--|--|---|
| | | | | | | | | | | | | |
| 247 | 113 | 20 | 30 | 14 | 24 | 1 | -23 | -26 | 7 | 2 | 36 | 21 |
| 248 | 113 | 41 | 30 | 14 | 22 | 1 | -24 | -26 | 8 | 2 | 37 | 21 |
| 249 | 114 | 1 | 29 | 14 | 22 | 1 | -20 | -24 | 8 | 2 | 37 | 21 |
| 250 | 114 | 21 | 31 | 14 | 22 | 1 | -25 | -25 | 7 | 2 | 36 | 21 |
| 251 | 114 | 41 | 36 | 14 | 22 | 1 | -24 | -25 | 8 | 2 | 36 | 21 |
| 252 | 115 | 1 | 29 | 14 | 22 | 1 | -23 | -26 | 7 | 2 | 36 | 21 |
| 253 | 115 | 21 | 30 | 14 | 22 | 0 | -24 | -24 | 7 | 2 | 36 | 21 |
| 254 | 115 | 41 | 30 | 14 | 23 | 0 | -23 | -23 | 7 | 2 | 36 | 21 |
| 255 | 116 | 1 | 29 | 14 | 23 | 0 | -22 | -25 | 7 | 1 | 36 | 20 |
| 256 | 116 | 21 | 30 | 14 | 22 | 0 | -25 | -26 | 7 | 2 | 36 | 21 |
| 257 | 116 | 41 | 29 | 14 | 22 | 0 | -23 | -26 | 7 | 2 | 36 | 22 |
| 258 | 117 | 1 | 26 | 13 | 22 | 0 | -25 | -26 | 7 | 2 | 36 | 21 |
| 259 | 117 | 21 | 29 | 13 | 22 | 0 | -25 | -26 | 7 | 2 | 36 | 22 |
| 260 | 117 | 41 | 26 | 13 | 22 | 0 | -27 | -26 | 7 | 1 | 36 | 22 |
| 261 | 118 | 1 | 26 | 13 | 22 | 0 | -23 | -26 | 7 | 1 | 36 | 21 |
| 262 | 118 | 21 | 29 | 14 | 22 | 0 | -24 | -26 | 7 | 1 | 36 | 22 |
| 263 | 118 | 41 | 26 | 14 | 22 | 0 | -25 | -26 | 7 | 1 | 36 | 22 |
| 264 | 119 | 1 | 26 | 13 | 22 | 0 | -22 | -23 | 7 | 1 | 36 | 22 |
| 265 | 119 | 21 | 26 | 13 | 22 | 0 | -24 | -25 | 7 | 1 | 36 | 22 |
| 266 | 119 | 41 | 26 | 13 | 22 | 0 | -24 | -26 | 6 | 1 | 36 | 22 |
| 267 | 120 | 1 | 27 | 13 | 22 | 0 | -24 | -26 | 6 | 1 | 36 | 22 |
| 268 | 120 | 21 | 26 | 13 | 22 | 0 | -24 | -26 | 6 | 1 | 36 | 22 |
| 269 | 120 | 41 | 25 | 14 | 23 | 0 | -24 | -24 | 7 | 1 | 36 | 22 |
| 270 | 121 | 1 | 27 | 13 | 22 | 0 | -23 | -26 | 6 | 2 | 37 | 23 |
| 271 | 121 | 21 | 27 | 13 | 22 | -1 | -23 | -26 | 6 | 1 | 36 | 22 |
| 272 | 121 | 41 | 27 | 12 | 21 | -1 | -24 | -25 | 5 | 1 | 36 | 20 |
| 273 | 122 | 2 | 26 | 13 | 22 | -1 | -24 | -25 | 5 | 1 | 35 | 20 |
| 274 | 122 | 22 | 27 | 12 | 21 | -1 | -25 | -24 | 5 | 0 | 35 | 20 |
| 275 | 122 | 42 | 27 | 12 | 21 | -1 | -24 | -24 | 5 | 0 | 35 | 20 |
| 276 | 123 | 2 | 27 | 12 | 21 | -1 | -24 | -24 | 5 | 0 | 35 | 19 |
| 277 | 123 | 23 | 27 | 12 | 20 | -2 | -24 | -24 | 5 | 0 | 35 | 18 |
| 278 | 123 | 43 | 27 | 12 | 21 | -2 | -23 | -26 | 5 | 0 | 34 | 18 |
| 279 | 124 | 3 | 27 | 12 | 21 | -2 | -24 | -24 | 5 | 0 | 34 | 18 |
| 280 | 124 | 24 | 27 | 12 | 20 | -2 | -24 | -24 | 4 | 0 | 34 | 17 |
| 281 | 124 | 44 | 27 | 12 | 20 | -1 | -24 | -24 | 4 | 0 | 34 | 17 |
| 282 | 125 | 5 | 27 | 12 | 19 | -1 | -23 | -26 | 4 | 0 | 34 | 17 |
| 283 | 125 | 26 | 27 | 12 | 20 | -2 | -25 | -26 | 4 | 0 | 34 | 17 |
| 284 | 125 | 46 | 27 | 12 | 19 | -2 | -24 | -23 | 4 | 0 | 34 | 17 |
| 285 | 126 | 7 | 26 | 12 | 20 | -1 | -24 | -25 | 4 | 0 | 34 | 16 |
| 286 | 126 | 27 | 26 | 12 | 20 | -1 | -23 | -26 | 4 | 0 | 33 | 16 |
| 287 | 126 | 48 | 25 | 12 | 21 | -2 | -24 | -26 | 4 | 0 | 33 | 16 |
| 288 | 127 | 8 | 27 | 12 | 19 | -2 | -24 | -26 | 4 | 0 | 34 | 16 |
| 289 | 127 | 29 | 27 | 12 | 19 | -2 | -25 | -26 | 4 | 0 | 33 | 16 |
| 290 | 127 | 50 | 27 | 12 | 13 | -2 | -25 | -26 | 3 | 0 | 33 | 16 |
| 291 | 128 | 10 | 27 | 12 | 19 | -2 | -25 | -26 | 3 | 0 | 33 | 16 |
| 292 | 128 | 31 | 26 | 11 | 19 | -2 | -24 | -26 | 3 | 0 | 33 | 16 |
| 293 | 128 | 51 | 27 | 11 | 19 | -2 | -24 | -26 | 3 | 0 | 33 | 16 |
| 294 | 129 | 12 | 27 | 11 | 18 | -2 | -24 | -24 | 2 | 0 | 32 | 17 |
| 295 | 129 | 32 | 27 | 11 | 18 | -2 | -24 | -26 | 2 | 0 | 32 | 17 |

| -01 SWEEP COUNT | 4-02 TIME -IN. | 4-03 TIME SEC. | 4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP. DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP. DEG.C | 4-19 UTIL. AFCS 2 (PITCH /ROLL CHAN) DEG.C | 4-20 ROTARY RUDDER 1STAGE INLET TEMP. DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP. DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP. DEG.C | 4-23 WINCH PUMP OUTLET TEMP. HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|-----------------------|----------------------|----------------------|---|--|---|--|---|--|--|---|--|---|
| 299 | 129 | 53 | 27 | 11 | 15 | -2 | -25 | -26 | 1 | -1 | 32 | 15 |
| 297 | 130 | 13 | 26 | 11 | 19 | -2 | -24 | -26 | 1 | -1 | 32 | 16 |
| 298 | 130 | 34 | 27 | 11 | 18 | -2 | -24 | -26 | 1 | -1 | 32 | 16 |
| 299 | 130 | 54 | 27 | 11 | 18 | -2 | -25 | -26 | 1 | -1 | 32 | 15 |
| 300 | 131 | 15 | 300 | 12 | 15 | -2 | -24 | -24 | 1 | -1 | 32 | 15 |
| 301 | 131 | 35 | 27 | 11 | 10 | -2 | -24 | -25 | 0 | -2 | 32 | 15 |
| 302 | 131 | 56 | 27 | 11 | 16 | -3 | -24 | -26 | 0 | -2 | 32 | 15 |
| 303 | 132 | 16 | 27 | 11 | 17 | -2 | -25 | -26 | 1 | -2 | 32 | 15 |
| 304 | 132 | 37 | 27 | 11 | 19 | -2 | -23 | -24 | 1 | -2 | 32 | 15 |
| 305 | 132 | 57 | 27 | 11 | 17 | -2 | -24 | -24 | 1 | -2 | 32 | 15 |
| 306 | 133 | 14 | 27 | 11 | 18 | -2 | -24 | -27 | 0 | -2 | 32 | 16 |
| 307 | 133 | 33 | 27 | 11 | 17 | -2 | -25 | -26 | 1 | -2 | 32 | 16 |
| 308 | 133 | 59 | 24 | 11 | 18 | -2 | -24 | -26 | 1 | -2 | 32 | 16 |
| 309 | 134 | 19 | 27 | 12 | 17 | -2 | -25 | -26 | 0 | -2 | 32 | 16 |
| 310 | 134 | 40 | 27 | 11 | 17 | -3 | -25 | -26 | 0 | -2 | 32 | 15 |
| 311 | 135 | 0 | 27 | 11 | 18 | -2 | -26 | -24 | 0 | -2 | 32 | 15 |
| 312 | 135 | 20 | 28 | 11 | 18 | -2 | -24 | -26 | 1 | -1 | 32 | 15 |
| 313 | 135 | 43 | 28 | 12 | 19 | -2 | -26 | -26 | 1 | -2 | 32 | 16 |
| 314 | 136 | 0 | 24 | 11 | 18 | -2 | -24 | -26 | 1 | -2 | 32 | 16 |
| 315 | 136 | 20 | 28 | 11 | 18 | -2 | -24 | -26 | 0 | -2 | 32 | 17 |
| 316 | 136 | 40 | 26 | 12 | 19 | -2 | -24 | -26 | 1 | -1 | 32 | 16 |
| 317 | 137 | 0 | 29 | 12 | 18 | -2 | -25 | -26 | 1 | -2 | 32 | 16 |
| 318 | 137 | 20 | 25 | 12 | 18 | -2 | -23 | -26 | 1 | -2 | 32 | 16 |
| 319 | 137 | 40 | 29 | 11 | 19 | -1 | -24 | -26 | 1 | -2 | 32 | 18 |
| 320 | 138 | 0 | 26 | 12 | 18 | -1 | -23 | -26 | 1 | -2 | 32 | 17 |
| 321 | 138 | 20 | 26 | 12 | 18 | -1 | -23 | -24 | 1 | -2 | 34 | 17 |
| 322 | 138 | 40 | 24 | 12 | 19 | -2 | -24 | -25 | 1 | -1 | 32 | 17 |
| 323 | 139 | 0 | 26 | 12 | 19 | -2 | -24 | -26 | 1 | -1 | 34 | 17 |
| 324 | 139 | 20 | 35 | 12 | 19 | -1 | -27 | -27 | 2 | -1 | 34 | 18 |
| 325 | 139 | 40 | 29 | 12 | 19 | -0 | -24 | -24 | 1 | -1 | 34 | 18 |
| 326 | 140 | 1 | 30 | 12 | 19 | -0 | -26 | -26 | 1 | -1 | 32 | 18 |
| 327 | 140 | 21 | 28 | 12 | 19 | -1 | -23 | -24 | 2 | -1 | 32 | 20 |
| 328 | 140 | 41 | 27 | 11 | 17 | -2 | -21 | -25 | 0 | -2 | 32 | 21 |
| 329 | 141 | 0 | 25 | 7 | 16 | -1 | -19 | -22 | 0 | 0 | 32 | 17 |
| 330 | 141 | 20 | 25 | 9 | 17 | -2 | -20 | -22 | 0 | -1 | 31 | 17 |
| 331 | 141 | 40 | 24 | 9 | 19 | -2 | -17 | -20 | 0 | 0 | 32 | 16 |
| 332 | 142 | 0 | 24 | 11 | 18 | -2 | -15 | -18 | 0 | 0 | 31 | 17 |
| 333 | 142 | 20 | 22 | 9 | 17 | -2 | -16 | -16 | 0 | -1 | 31 | 16 |
| 334 | 142 | 39 | 23 | 9 | 17 | -4 | -16 | -18 | -0 | -1 | 30 | 16 |
| 335 | 142 | 59 | 22 | 9 | 18 | -3 | -14 | -16 | 0 | -1 | 31 | 17 |
| 336 | 143 | 10 | 20 | 8 | 18 | -2 | -17 | -17 | 0 | -1 | 30 | 17 |
| 337 | 143 | 33 | 19 | 9 | 18 | -5 | -15 | -17 | -2 | -2 | 31 | 17 |
| 338 | 143 | 59 | 16 | 9 | 17 | -5 | -15 | -16 | -2 | -3 | 31 | 17 |
| 339 | 144 | 14 | 16 | 9 | 17 | -4 | -15 | -16 | -2 | -3 | 30 | 19 |
| 340 | 144 | 38 | 18 | 8 | 17 | -6 | -15 | -17 | -3 | -4 | 29 | 19 |
| 341 | 144 | 54 | 18 | 9 | 17 | -6 | -16 | -17 | -3 | -4 | 30 | 12 |
| 342 | 145 | 14 | 17 | 8 | 17 | -4 | -15 | -17 | -3 | -4 | 29 | 9 |
| 343 | 145 | 38 | 16 | 8 | 16 | -8 | -15 | -18 | -4 | -5 | 29 | 7 |
| 344 | 145 | 57 | 15 | 8 | 16 | -10 | -15 | -17 | -5 | -5 | 29 | 7 |
| 345 | 146 | 17 | 16 | 7 | 15 | -11 | -17 | -16 | -5 | -5 | 29 | 7 |

| 4-01 SAFE COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-16 2STAGE AGCS 1 (PITCH ROLL CHAN) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP. DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP. DEG.C | 4-19 UTIL. AGCS 2 (PITCH ROLL CHAN) DEG.C | 4-20 ROTARY RUDDER ISTAGE INLET TEMP. DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP. DEG.C | 4-22 WING PUMP INLET HYD. TEMP. DEG.C | 4-23 WING PUMP OUTLET TEMP. HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|-----------------------|----------------------|----------------------|--|--|---|---|---|--|---|--|--|---|
| 346 | 145 | 37 | 14 | 7 | 15 | -11 | -17 | -10 | -6 | -5 | 28 | 8 |
| 347 | 146 | 57 | 14 | 7 | 15 | -12 | -17 | -10 | -6 | -6 | 28 | 3 |
| 348 | 147 | 17 | 13 | 6 | 14 | -13 | -17 | -10 | -8 | -6 | 28 | 2 |
| 349 | 147 | 36 | 12 | 5 | 14 | -13 | -18 | -16 | -9 | -6 | 27 | 4 |
| 350 | 147 | 56 | 11 | 5 | 13 | -14 | -18 | -19 | -10 | -7 | 26 | 7 |
| 351 | 148 | 14 | 9 | 5 | 13 | -15 | -19 | -19 | -11 | -8 | 26 | 8 |
| 352 | 148 | 36 | 8 | 4 | 12 | -15 | -20 | -20 | -12 | -8 | 26 | 8 |
| 353 | 148 | 56 | 8 | 4 | 14 | -16 | -19 | -20 | -11 | -8 | 27 | 8 |
| 354 | 149 | 15 | 8 | 4 | 13 | -15 | -18 | -20 | -11 | -9 | 27 | 12 |
| 355 | 149 | 35 | 10 | 5 | 12 | -16 | -19 | -20 | -11 | -8 | 27 | 11 |
| 356 | 149 | 55 | 9 | 4 | 12 | -16 | -19 | -20 | -11 | -8 | 27 | 12 |
| 357 | 150 | 15 | 9 | 4 | 12 | -15 | -19 | -20 | -11 | -9 | 27 | 11 |
| 358 | 150 | 35 | 10 | 4 | 12 | -15 | -19 | -20 | -10 | -8 | 27 | 12 |
| 359 | 150 | 54 | 9 | 4 | 13 | -15 | -17 | -20 | -10 | -8 | 28 | 13 |
| 360 | 151 | 14 | 9 | 5 | 12 | -15 | -19 | -20 | -10 | -9 | 27 | 12 |
| 361 | 151 | 34 | 8 | 4 | 12 | -15 | -18 | -20 | -10 | -8 | 27 | 13 |
| 362 | 151 | 54 | 8 | 3 | 12 | -16 | -19 | -20 | -11 | -9 | 26 | 13 |
| 363 | 152 | 13 | 8 | 3 | 12 | -16 | -19 | -20 | -11 | -9 | 26 | 12 |
| 364 | 152 | 33 | 8 | 4 | 12 | -16 | -19 | -20 | -10 | -9 | 27 | 12 |
| 365 | 152 | 53 | 8 | 4 | 12 | -15 | -16 | -20 | -10 | -9 | 26 | 11 |
| 366 | 153 | 13 | 9 | 4 | 12 | -14 | -16 | -20 | -10 | -9 | 27 | 11 |
| 367 | 153 | 32 | 8 | 4 | 12 | -15 | -19 | -20 | -10 | -9 | 26 | 12 |
| 368 | 153 | 52 | 8 | 4 | 12 | -15 | -19 | -20 | -10 | -9 | 27 | 11 |
| 369 | 154 | 12 | 8 | 3 | 12 | -14 | -19 | -20 | -11 | -11 | 26 | 10 |
| 370 | 154 | 32 | 8 | 5 | 12 | -15 | -20 | -21 | -10 | -9 | 27 | 9 |
| 371 | 154 | 51 | 8 | 4 | 11 | -15 | -19 | -21 | -11 | -9 | 27 | 10 |
| 372 | 155 | 11 | 9 | 4 | 11 | -15 | -19 | -21 | -11 | -9 | 27 | 11 |
| 373 | 155 | 31 | 8 | 4 | 12 | -15 | -19 | -20 | -10 | -9 | 27 | 12 |
| 374 | 155 | 51 | 8 | 4 | 12 | -15 | -20 | -20 | -10 | -9 | 26 | 11 |
| 375 | 156 | 10 | 9 | 4 | 12 | -15 | -19 | -20 | -10 | -9 | 27 | 13 |
| 376 | 156 | 30 | 8 | 4 | 12 | -16 | -19 | -20 | -10 | -9 | 27 | 13 |
| 377 | 156 | 50 | 8 | 4 | 12 | -16 | -19 | -20 | -10 | -9 | 27 | 14 |
| 378 | 157 | 10 | 9 | 5 | 11 | -15 | -19 | -20 | -10 | -9 | 27 | 14 |
| 379 | 157 | 29 | 10 | 4 | 12 | -16 | -18 | -20 | -10 | -9 | 27 | 11 |
| 380 | 157 | 49 | 11 | 5 | 12 | -15 | -17 | -19 | -8 | -8 | 28 | 13 |
| 381 | 158 | 5 | 11 | 5 | 12 | -15 | -17 | -19 | -8 | -8 | 28 | 14 |
| 382 | 158 | 28 | 11 | 5 | 12 | -15 | -17 | -18 | -9 | -8 | 28 | 18 |
| 383 | 158 | 49 | 11 | 5 | 12 | -14 | -16 | -17 | -8 | -8 | 28 | 18 |
| 384 | 159 | 8 | 11 | 5 | 14 | -14 | -16 | -17 | -8 | -8 | 28 | 17 |
| 385 | 159 | 27 | 11 | 5 | 13 | -14 | -17 | -17 | -8 | -8 | 28 | 18 |
| 386 | 159 | 47 | 11 | 5 | 13 | -14 | -16 | -18 | -9 | -6 | 26 | 15 |
| 387 | 160 | 7 | 11 | 5 | 13 | -14 | -17 | -18 | -8 | -8 | 27 | 11 |
| 388 | 160 | 26 | 11 | 5 | 13 | -13 | -17 | -18 | -8 | -8 | 28 | 7 |
| 389 | 160 | 46 | 11 | 5 | 14 | -13 | -17 | -17 | -9 | -8 | 27 | 5 |
| 390 | 161 | 6 | 10 | 5 | 13 | -13 | -18 | -19 | -9 | -8 | 26 | 4 |
| 391 | 161 | 25 | 11 | 5 | 12 | -14 | -17 | -19 | -10 | -8 | 27 | 2 |
| 392 | 161 | 45 | 9 | 5 | 12 | -14 | -18 | -20 | -9 | -9 | 27 | 2 |
| 393 | 162 | 5 | 9 | 4 | 13 | -14 | -18 | -19 | -9 | -9 | 27 | 5 |
| 394 | 162 | 24 | 9 | 4 | 14 | -14 | -19 | -19 | -10 | -9 | 27 | 5 |
| 395 | 163 | 26 | 10 | 4 | 12 | -15 | -19 | -20 | -10 | -9 | 27 | 4 |

| SWEEP COUNT | TIME MIN. | 4-03 TIME SEC. | 4-16 ZSTRAF AFCS 1 (PITCH- /ROLL CHAM) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C | 4-19 UTIL AFCS 2 (PITCH / ROLL CHAM) DEG.C | 4-20 ROTARY RUDDER 1 STAGE INLET TEMP DEG.C | 4-21 ROTARY RUDDER INLET TEMP DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP. DEG.C | 4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|----------------|--------------|----------------------|--|---|--|--|---|--|--|--|--|---|
| 396 | 163 | 48 | 9 | 4 | 12 | -15 | -19 | -20 | -10 | -9 | 27 | 6 |
| 397 | 164 | 7 | 6 | 4 | 12 | -15 | -19 | -20 | -10 | -9 | 27 | 6 |
| 398 | 166 | 56 | 6 | 4 | 12 | -15 | -19 | -20 | -10 | -9 | 27 | 10 |
| 399 | 167 | 16 | 6 | 4 | 13 | -15 | -19 | -20 | -10 | -9 | 27 | 10 |
| 400 | 167 | 35 | 6 | 4 | 13 | -15 | -19 | -20 | -10 | -9 | 27 | 12 |
| 401 | 169 | 30 | 6 | 0 | 13 | -15 | -19 | -20 | -10 | -9 | 27 | 12 |
| 402 | 172 | 4 | 14 | 5 | 14 | -13 | -21 | -19 | -7 | -8 | 29 | 17 |
| 403 | 172 | 24 | 15 | 6 | 15 | -14 | -20 | -20 | -6 | -8 | 30 | 18 |
| 404 | 172 | 43 | 15 | 6 | 14 | -13 | -22 | -20 | -6 | -7 | 30 | 18 |
| 405 | 174 | 38 | 13 | 5 | 13 | -14 | -19 | -19 | -8 | -8 | 28 | 8 |
| 406 | 174 | 57 | 13 | 5 | 12 | -14 | -19 | -20 | -8 | -8 | 28 | 8 |
| 407 | 175 | 17 | 12 | 5 | 14 | -14 | -19 | -19 | -8 | -8 | 28 | 8 |
| 408 | 177 | 12 | 12 | 6 | 15 | -14 | -22 | -19 | -8 | -8 | 28 | 8 |
| 409 | 178 | 2 | 14 | 7 | 15 | -14 | -22 | -22 | -6 | -9 | 29 | 7 |
| 410 | 178 | 22 | 14 | 7 | 15 | -14 | -23 | -22 | -6 | -9 | 30 | 13 |
| 411 | 178 | 41 | 15 | 7 | 15 | -14 | -21 | -21 | -6 | -9 | 30 | 14 |
| 412 | 179 | 1 | 15 | 7 | 15 | -14 | -22 | -21 | -6 | -9 | 30 | 14 |
| 413 | 179 | 20 | 16 | 7 | 15 | -13 | -23 | -21 | -6 | -9 | 30 | 16 |
| 414 | 179 | 40 | 17 | 8 | 15 | -13 | -23 | -21 | -5 | -8 | 30 | 16 |
| 415 | 180 | 0 | 17 | 8 | 16 | -13 | -22 | -21 | -8 | -8 | 31 | 15 |
| 416 | 180 | 19 | 18 | -3 | 12 | -12 | -21 | -20 | -5 | -8 | 31 | 15 |
| 417 | 180 | 39 | 19 | -3 | 12 | -12 | -21 | -20 | -4 | -8 | 30 | 15 |
| 418 | 180 | 58 | 18 | -2 | 8 | -12 | -22 | -21 | -4 | -8 | 30 | 16 |
| 419 | 181 | 16 | 17 | -2 | 9 | -12 | -23 | -21 | -3 | -8 | 28 | 18 |
| 420 | 181 | 37 | 17 | 0 | 10 | -12 | -22 | -20 | -3 | -8 | 28 | 18 |
| 421 | 181 | 57 | 17 | 2 | 11 | -11 | -22 | -20 | -4 | -8 | 28 | 11 |
| 422 | 182 | 17 | 17 | 4 | 11 | -11 | -22 | -20 | -3 | -8 | 27 | 12 |
| 423 | 182 | 36 | 18 | 5 | 13 | -10 | -23 | -21 | -3 | -8 | 28 | 12 |
| 424 | 182 | 56 | 18 | 6 | 14 | -10 | -22 | -21 | -2 | -7 | 28 | 12 |
| 425 | 183 | 15 | 18 | 6 | 14 | -10 | -22 | -21 | -2 | -6 | 29 | 14 |
| 426 | 183 | 35 | 18 | 7 | 14 | -10 | -22 | -21 | -2 | -6 | 30 | 14 |
| 427 | 183 | 54 | 19 | 7 | 15 | -9 | -22 | -22 | -2 | -6 | 30 | 12 |
| 428 | 184 | 13 | 19 | 9 | 15 | -9 | -20 | -22 | -2 | -6 | 31 | 11 |
| 429 | 184 | 34 | 19 | 8 | 17 | -9 | -20 | -20 | -2 | -5 | 32 | 11 |
| 430 | 184 | 54 | 19 | 8 | 17 | -8 | -21 | -20 | -1 | -5 | 32 | 11 |
| 431 | 185 | 14 | 20 | 9 | 17 | -8 | -21 | -20 | -2 | -6 | 32 | 10 |
| 432 | 185 | 34 | 20 | 9 | 17 | -8 | -21 | -20 | -2 | -6 | 33 | 9 |
| 433 | 185 | 54 | 20 | 9 | 17 | -8 | -21 | -19 | -1 | -6 | 33 | 9 |
| 434 | 186 | 13 | 20 | 9 | 17 | -8 | -21 | -20 | -1 | -6 | 33 | 9 |
| 435 | 186 | 33 | 21 | 10 | 18 | -7 | -22 | -20 | -1 | -5 | 33 | 10 |
| 436 | 186 | 52 | 21 | 10 | 18 | -7 | -22 | -20 | -1 | -5 | 33 | 10 |
| 437 | 187 | 11 | 17 | 11 | 19 | -7 | -22 | -20 | -1 | -4 | 33 | 11 |
| 438 | 187 | 31 | 17 | 11 | 19 | -7 | -21 | -20 | -1 | -4 | 34 | 11 |
| 439 | 187 | 51 | 14 | 11 | 20 | -6 | -20 | -19 | 0 | -4 | 35 | 16 |
| 440 | 189 | 7 | 14 | 11 | 21 | -6 | -20 | -19 | 0 | -3 | 35 | 16 |
| 441 | 191 | 12 | 9 | 12 | 23 | -4 | -17 | -15 | 0 | -3 | 36 | 22 |
| 442 | 191 | 31 | 4 | 12 | 23 | -4 | -17 | -15 | 0 | -3 | 36 | 24 |
| 443 | 191 | 51 | 7 | 11 | 17 | -3 | -17 | -14 | 3 | -1 | 34 | 21 |
| 444 | 192 | 10 | 1 | 10 | 16 | -3 | -16 | -13 | 3 | -1 | 31 | 18 |
| 445 | 194 | 1 | -1 | 4 | 11 | -2 | -16 | -12 | 1 | -1 | 25 | 15 |
| | | | | | | | | | | | | 12 |
| | | | | | | | | | | | | 2 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|-----|------|------|----|------------|-------|--------|------|--------|-----|--------|--------|-------|------|--------|-----|-------|-------|--------|------|-------|-----|
| 451 | 4-02 | WIN. | 198 | 4-03 | TIME | 16 | 4-16 | UTIL. | -3 | 4-19 | UTIL | -4 | 4-21 | ROTARY | -16 | 4-23 | WINCH | -14 | 4-24 | UTIL. | -8 | 4-25 | UTIL. | -12 |
| 452 | | | 194 | | | 36 | UTIL. PUMP | -4 | AFCS 2 | -9 | AFCS 2 | -9 | RUDDER | -17 | WINDH | -9 | PUMP | -15 | UTIL. | -9 | HEAT | -12 | | |
| 453 | | | 198 | | | 55 | OUTLET | -5 | (PITCH | -9 | AFCS 2 | -9 | UTIL. | -17 | PUMP | -10 | OUTLET | -15 | HEAT | -10 | EXCH. | -13 | | |
| 454 | | | 207 | | | 4 | HYD. | -19 | /ROLL | -9 | (PITCH | -9 | INLET | -17 | INLET | -17 | TEMP | -18 | EXCH. | -22 | OUTLET | -21 | | |
| 455 | | | 307 | | | 23 | TEMP | -20 | CHANI | -9 | ROLL | -9 | HYD. | -17 | HYD. | -17 | HYD. | -18 | INLET | -23 | HYD. | -20 | | |
| 456 | | | 307 | | | 43 | TEMP | -21 | | -9 | CHANI | -9 | TEMP. | -17 | TEMP. | -18 | TEMP. | -18 | INLET | -22 | HYD. | -21 | | |
| 457 | | | 308 | | | 4 | TEMP | -19 | | -9 | | -9 | TEMP. | -17 | TEMP. | -18 | TEMP. | -18 | INLET | -22 | HYD. | -22 | | |
| 458 | | | 308 | | | 4 | TEMP | -24 | | -9 | | -9 | TEMP. | -16 | TEMP. | -19 | TEMP. | -19 | INLET | -23 | HYD. | -22 | | |
| 459 | | | 312 | | | 23 | TEMP | -23 | | -8 | | -8 | TEMP. | -16 | TEMP. | -19 | TEMP. | -19 | INLET | -23 | HYD. | -22 | | |
| 460 | | | 312 | | | 43 | TEMP | -23 | | -8 | | -8 | TEMP. | -16 | TEMP. | -19 | TEMP. | -19 | INLET | -23 | HYD. | -22 | | |
| 461 | | | 313 | | | 7 | TEMP | -24 | | -8 | | -8 | TEMP. | -16 | TEMP. | -19 | TEMP. | -19 | INLET | -24 | HYD. | -22 | | |
| 462 | | | 313 | | | 23 | TEMP | -24 | | -8 | | -8 | TEMP. | -16 | TEMP. | -19 | TEMP. | -19 | INLET | -24 | HYD. | -22 | | |
| 463 | | | 317 | | | 42 | TEMP | -24 | | -10 | | -10 | TEMP. | -16 | TEMP. | -19 | TEMP. | -19 | INLET | -24 | HYD. | -22 | | |
| 464 | | | 318 | | | 1 | TEMP | -27 | | -10 | | -10 | TEMP. | -17 | TEMP. | -21 | TEMP. | -21 | INLET | -25 | HYD. | -25 | | |
| 465 | | | 318 | | | 23 | TEMP | -27 | | -10 | | -10 | TEMP. | -17 | TEMP. | -21 | TEMP. | -21 | INLET | -25 | HYD. | -25 | | |
| 466 | | | 322 | | | 40 | TEMP | -27 | | -11 | | -11 | TEMP. | -17 | TEMP. | -22 | TEMP. | -22 | INLET | -25 | HYD. | -25 | | |
| 467 | | | 322 | | | 59 | TEMP | -29 | | -11 | | -11 | TEMP. | -17 | TEMP. | -22 | TEMP. | -22 | INLET | -25 | HYD. | -25 | | |
| 468 | | | 323 | | | 19 | TEMP | -28 | | -11 | | -11 | TEMP. | -17 | TEMP. | -22 | TEMP. | -22 | INLET | -25 | HYD. | -25 | | |
| 469 | | | 326 | | | 57 | TEMP | -28 | | -11 | | -11 | TEMP. | -16 | TEMP. | -21 | TEMP. | -21 | INLET | -24 | HYD. | -24 | | |
| 470 | | | 327 | | | 17 | TEMP | -28 | | -11 | | -11 | TEMP. | -16 | TEMP. | -21 | TEMP. | -21 | INLET | -24 | HYD. | -24 | | |
| 471 | | | 327 | | | 36 | TEMP | -26 | | -11 | | -11 | TEMP. | -16 | TEMP. | -21 | TEMP. | -21 | INLET | -23 | HYD. | -23 | | |
| 472 | | | 327 | | | 15 | TEMP | -27 | | -11 | | -11 | TEMP. | -16 | TEMP. | -21 | TEMP. | -21 | INLET | -23 | HYD. | -23 | | |
| 473 | | | 331 | | | 34 | TEMP | -27 | | -11 | | -11 | TEMP. | -15 | TEMP. | -22 | TEMP. | -22 | INLET | -24 | HYD. | -24 | | |
| 474 | | | 331 | | | 53 | TEMP | -27 | | -11 | | -11 | TEMP. | -15 | TEMP. | -22 | TEMP. | -22 | INLET | -24 | HYD. | -24 | | |
| 475 | | | 335 | | | 32 | TEMP | -29 | | -11 | | -11 | TEMP. | -15 | TEMP. | -22 | TEMP. | -22 | INLET | -24 | HYD. | -24 | | |
| 476 | | | 335 | | | 51 | TEMP | -30 | | -11 | | -11 | TEMP. | -15 | TEMP. | -22 | TEMP. | -22 | INLET | -24 | HYD. | -24 | | |
| 477 | | | 335 | | | 10 | TEMP | -30 | | -12 | | -12 | TEMP. | -18 | TEMP. | -23 | TEMP. | -23 | INLET | -24 | HYD. | -24 | | |
| 478 | | | 336 | | | 48 | TEMP | -31 | | -12 | | -12 | TEMP. | -18 | TEMP. | -23 | TEMP. | -23 | INLET | -25 | HYD. | -25 | | |
| 479 | | | 339 | | | 7 | TEMP | -32 | | -13 | | -13 | TEMP. | -19 | TEMP. | -24 | TEMP. | -24 | INLET | -26 | HYD. | -26 | | |
| 480 | | | 340 | | | 7 | TEMP | -32 | | -13 | | -13 | TEMP. | -19 | TEMP. | -24 | TEMP. | -24 | INLET | -26 | HYD. | -26 | | |
| 481 | | | 344 | | | 27 | TEMP | -32 | | -13 | | -13 | TEMP. | -19 | TEMP. | -24 | TEMP. | -24 | INLET | -26 | HYD. | -26 | | |
| 482 | | | 344 | | | 4 | TEMP | -33 | | -14 | | -14 | TEMP. | -19 | TEMP. | -25 | TEMP. | -25 | INLET | -26 | HYD. | -26 | | |
| 483 | | | 344 | | | 23 | TEMP | -33 | | -14 | | -14 | TEMP. | -20 | TEMP. | -25 | TEMP. | -25 | INLET | -26 | HYD. | -26 | | |
| 484 | | | 344 | | | 23 | TEMP | -33 | | -15 | | -15 | TEMP. | -20 | TEMP. | -25 | TEMP. | -25 | INLET | -26 | HYD. | -26 | | |
| 485 | | | 344 | | | 24 | TEMP | -32 | | -13 | | -13 | TEMP. | -20 | TEMP. | -25 | TEMP. | -25 | INLET | -26 | HYD. | -26 | | |
| 486 | | | 348 | | | 20 | TEMP | -32 | | -13 | | -13 | TEMP. | -18 | TEMP. | -24 | TEMP. | -24 | INLET | -24 | HYD. | -24 | | |
| 487 | | | 348 | | | 39 | TEMP | -31 | | -13 | | -13 | TEMP. | -18 | TEMP. | -24 | TEMP. | -24 | INLET | -24 | HYD. | -24 | | |
| 488 | | | 348 | | | 58 | TEMP | -26 | | -13 | | -13 | TEMP. | -18 | TEMP. | -24 | TEMP. | -24 | INLET | -24 | HYD. | -24 | | |
| 489 | | | 348 | | | 58 | TEMP | -26 | | -13 | | -13 | TEMP. | -18 | TEMP. | -24 | TEMP. | -24 | INLET | -24 | HYD. | -24 | | |
| 490 | | | 348 | | | 58 | TEMP | -26 | | -13 | | -13 | TEMP. | -18 | TEMP. | -24 | TEMP. | -24 | INLET | -24 | HYD. | -24 | | |
| 491 | | | 348 | | | 58 | TEMP | -26 | | -13 | | -13 | TEMP. | -18 | TEMP. | -24 | TEMP. | -24 | INLET | -24 | HYD. | -24 | | |

44-570 SAN 60-10354

ARCIC TEST

3 JANUARY 1971

RUN NO. 2 -48 DEG C / -40 DEG F

| -01 SHEEP COUNT | 3-02 TIME *IN. | 5-03 TIME SEC. | 5-05 | | 5-06 | | 5-07 | | 5-08 | | 5-09 | | 5-10 | | 5-11 | | 5-12 | | 5-13 | | 5-14 | |
|-----------------------|----------------------|----------------------|----------------------|-----------------|------------------------|--------------|-------|----------------------|---------------|-------|------------------------|-----------------|-------|------------------------|-----------------|-------|------------------------|-----------------|-------|------------------------|-----------------|-------|
| | | | ENG.1 OIL TANK | 1/3 LEW TEMP | ENG.1 OIL COOLER | INLET OIL | DEG.C | ENG.1 OIL PUMP | FUEL INLET | DEG.C | ENG.1 OIL COOLER | N.O.B. INLET | DEG.C | ENG.1 OIL COOLER | N.O.B. INLET | DEG.C | ENG.2 OIL COOLER | N.O.B. INLET | DEG.C | ENG.2 OIL COOLER | N.O.B. INLET | DEG.C |
| 1 | 0 | 5 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -30 | | -33 | | -34 | | -32 | |
| 2 | 0 | 25 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -34 | | -33 | | -33 | | -33 | |
| 3 | 0 | 45 | -34 | | -34 | | -33 | | -34 | | -34 | | -34 | | -30 | | -33 | | -34 | | -34 | |
| 4 | 1 | 5 | -35 | | -34 | | -33 | | -34 | | -33 | | -34 | | -30 | | -33 | | -34 | | -33 | |
| 5 | 1 | 25 | -34 | | -34 | | -33 | | -34 | | -34 | | -34 | | -31 | | -33 | | -34 | | -33 | |
| 6 | 1 | 44 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -30 | | -33 | | -34 | | -34 | |
| 7 | 1 | 4 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -31 | | -33 | | -34 | | -33 | |
| 8 | 2 | 24 | -35 | | -34 | | -33 | | -34 | | -33 | | -34 | | -30 | | -33 | | -34 | | -33 | |
| 9 | 2 | 45 | -34 | | -34 | | -33 | | -34 | | -33 | | -34 | | -30 | | -33 | | -34 | | -33 | |
| 10 | 3 | 5 | -35 | | -34 | | -33 | | -34 | | -34 | | -35 | | -30 | | -32 | | -34 | | -33 | |
| 11 | 3 | 25 | -34 | | -34 | | -33 | | -34 | | -34 | | -34 | | -31 | | -33 | | -34 | | -34 | |
| 12 | 3 | 45 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -30 | | -33 | | -34 | | -34 | |
| 13 | 3 | 5 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -30 | | -33 | | -34 | | -34 | |
| 14 | 4 | 4 | -34 | | -34 | | -33 | | -34 | | -34 | | -34 | | -31 | | -33 | | -34 | | -34 | |
| 15 | 4 | 25 | -34 | | -34 | | -33 | | -34 | | -34 | | -34 | | -31 | | -33 | | -34 | | -34 | |
| 16 | 4 | 45 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -31 | | -32 | | -34 | | -34 | |
| 17 | 5 | 5 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -31 | | -33 | | -34 | | -34 | |
| 18 | 5 | 25 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -30 | | -33 | | -34 | | -34 | |
| 19 | 5 | 45 | -34 | | -34 | | -33 | | -34 | | -34 | | -34 | | -30 | | -33 | | -34 | | -34 | |
| 20 | 6 | 5 | -34 | | -34 | | -33 | | -34 | | -34 | | -34 | | -30 | | -33 | | -34 | | -34 | |
| 21 | 6 | 25 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -31 | | -33 | | -34 | | -34 | |
| 22 | 6 | 45 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -31 | | -33 | | -34 | | -34 | |
| 23 | 7 | 5 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -31 | | -33 | | -34 | | -34 | |
| 24 | 7 | 25 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -31 | | -33 | | -34 | | -34 | |
| 25 | 7 | 46 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -31 | | -33 | | -34 | | -34 | |
| 26 | 8 | 6 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -31 | | -33 | | -34 | | -34 | |
| 27 | 8 | 26 | -16 | | -35 | | -34 | | -35 | | -35 | | -35 | | -31 | | -32 | | -34 | | -35 | |
| 28 | 8 | 46 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -32 | | -33 | | -34 | | -34 | |
| 29 | 9 | 6 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -32 | | -33 | | -34 | | -34 | |
| 30 | 9 | 26 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -32 | | -33 | | -34 | | -34 | |
| 31 | 9 | 46 | -36 | | -34 | | -33 | | -34 | | -34 | | -34 | | -32 | | -33 | | -34 | | -34 | |
| 32 | 10 | 6 | -35 | | -34 | | -33 | | -34 | | -34 | | -34 | | -32 | | -33 | | -34 | | -34 | |
| 33 | 12 | 37 | -36 | | -34 | | -33 | | -34 | | -34 | | -34 | | -32 | | -33 | | -34 | | -34 | |
| 34 | 17 | 6 | -34 | | -34 | | -33 | | -34 | | -34 | | -34 | | -32 | | -33 | | -34 | | -34 | |
| 35 | 17 | 33 | -34 | | -34 | | -33 | | -34 | | -34 | | -34 | | -32 | | -33 | | -34 | | -34 | |
| 36 | 17 | 26 | -36 | | -34 | | -33 | | -34 | | -34 | | -34 | | -32 | | -33 | | -34 | | -34 | |
| 37 | 17 | 46 | -36 | | -34 | | -33 | | -34 | | -34 | | -34 | | -32 | | -33 | | -34 | | -34 | |
| 38 | 21 | 35 | -37 | | -36 | | -35 | | -36 | | -36 | | -36 | | -33 | | -33 | | -36 | | -36 | |
| 39 | 21 | 55 | -37 | | -36 | | -35 | | -36 | | -36 | | -36 | | -33 | | -33 | | -36 | | -36 | |
| 40 | 22 | 16 | -34 | | -36 | | -35 | | -36 | | -36 | | -36 | | -33 | | -33 | | -36 | | -36 | |
| 41 | 22 | 36 | -37 | | -36 | | -35 | | -36 | | -36 | | -36 | | -33 | | -33 | | -36 | | -36 | |
| 42 | 23 | 26 | -34 | | -36 | | -35 | | -36 | | -36 | | -36 | | -33 | | -33 | | -36 | | -36 | |
| 43 | 23 | 46 | -34 | | -36 | | -35 | | -36 | | -36 | | -36 | | -33 | | -33 | | -36 | | -36 | |
| 44 | 24 | 6 | -34 | | -36 | | -35 | | -36 | | -36 | | -36 | | -33 | | -33 | | -36 | | -36 | |
| 45 | 24 | 27 | -34 | | -36 | | -35 | | -36 | | -36 | | -36 | | -33 | | -33 | | -36 | | -36 | |
| 46 | 24 | 48 | -34 | | -36 | | -35 | | -36 | | -36 | | -36 | | -33 | | -33 | | -36 | | -36 | |
| 47 | 25 | 8 | -34 | | -37 | | -36 | | -36 | | -36 | | -36 | | -34 | | -34 | | -36 | | -36 | |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 5-03 TIME SEC. | 5-05 ENG.1 OIL TANK 1/2LEV TEMP DEG.C | 5-06 ENG.1 OIL COOLER INLET OIL DEG.C | 5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C | 5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C | 5-09 ENG.1 N.G.B. COOLER OIL DEG.C | 5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C | 5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C | 5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C | 5-13 ENG.2 OIL COOLER INLET OIL DEG.C | 5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|--|---|--|---|--|
| 46 | 25 | 29 | -34 | -37 | -36 | -36 | -36 | -38 | -34 | -36 | -36 | -35 |
| 47 | 25 | 49 | -34 | -37 | -36 | -36 | -36 | -37 | -34 | -36 | -37 | -35 |
| 48 | 26 | 9 | -38 | -37 | -35 | -36 | -36 | -37 | -33 | -36 | -36 | -35 |
| 49 | 26 | 30 | -34 | -37 | -36 | -36 | -36 | -38 | -34 | -36 | -37 | -35 |
| 0 | 26 | 50 | -38 | -37 | -35 | -36 | -36 | -37 | -34 | -36 | -37 | -35 |
| 51 | 27 | 11 | -38 | -37 | -35 | -36 | -36 | -37 | -34 | -35 | -37 | -36 |
| 52 | 29 | 52 | -38 | -38 | -36 | -36 | -36 | -37 | -34 | -36 | -37 | -35 |
| 53 | 30 | 13 | -38 | -38 | -35 | -36 | -36 | -38 | -34 | -36 | -36 | -36 |
| 54 | 30 | 33 | -36 | -37 | -36 | -36 | -36 | -37 | -34 | -36 | -37 | -35 |
| 55 | 34 | 34 | -39 | -38 | -36 | -37 | -36 | -37 | -35 | -36 | -38 | -36 |
| 56 | 34 | 54 | -39 | -37 | -36 | -37 | -37 | -38 | -35 | -37 | -38 | -36 |
| 57 | 35 | 15 | -35 | -37 | -36 | -37 | -37 | -39 | -34 | -37 | -37 | -36 |
| 58 | 35 | 36 | -35 | -38 | -36 | -37 | -37 | -38 | -35 | -36 | -37 | -36 |
| 59 | 39 | 4 | -39 | -38 | -36 | -37 | -38 | -38 | -35 | -37 | -38 | -36 |
| 0 | 39 | 24 | -40 | -38 | -36 | -37 | -38 | -38 | -35 | -37 | -38 | -36 |
| 61 | 33 | 45 | -39 | -38 | -36 | -37 | -37 | -38 | -35 | -38 | -38 | -36 |
| 62 | 40 | 6 | -39 | -38 | -36 | -36 | -38 | -38 | -35 | -38 | -38 | -36 |
| 63 | 43 | 34 | -39 | -38 | -36 | -36 | -37 | -38 | -35 | -38 | -38 | -36 |
| 64 | 54 | 54 | -39 | -38 | -36 | -36 | -37 | -38 | -36 | -36 | -38 | -36 |
| 65 | 44 | 15 | -39 | -38 | -36 | -36 | -37 | -38 | -35 | -37 | -38 | -36 |
| 66 | 44 | 36 | -39 | -38 | -36 | -37 | -37 | -38 | -35 | -36 | -37 | -37 |
| 67 | 48 | 4 | -40 | -38 | -36 | -37 | -37 | -38 | -36 | -37 | -38 | -37 |
| 68 | 52 | 34 | -40 | -37 | -35 | -37 | -37 | -38 | -36 | -38 | -38 | -37 |
| 69 | 55 | 55 | -40 | -38 | -36 | -37 | -37 | -39 | -36 | -38 | -39 | -37 |
| 0 | 63 | 16 | -40 | -39 | -35 | -38 | -38 | -38 | -36 | -38 | -38 | -37 |
| 71 | * | * | -40 | -38 | -35 | -38 | -38 | -39 | -36 | -39 | -39 | -37 |
| 72 | 53 | 58 | -40 | -38 | -35 | -37 | -37 | -39 | -36 | -39 | -39 | -37 |
| 73 | 54 | 18 | -40 | -39 | -36 | -37 | -38 | -38 | -36 | -39 | -38 | -37 |
| 74 | 54 | 39 | -40 | -39 | -36 | -37 | -38 | -38 | -36 | -39 | -38 | -37 |
| 75 | 55 | 0 | -40 | -38 | -36 | -39 | -38 | -39 | -36 | -39 | -38 | -37 |
| 76 | 55 | 20 | -40 | -38 | -36 | -37 | -37 | -38 | -36 | -39 | -39 | -37 |
| 77 | 55 | 42 | -40 | -38 | -36 | -37 | -37 | -39 | -36 | -38 | -38 | -36 |
| 78 | 56 | 3 | -40 | -39 | -36 | -37 | -37 | -39 | -37 | -38 | -38 | -36 |
| 79 | 56 | 23 | -40 | -38 | -36 | -37 | -38 | -38 | -36 | -38 | -38 | -36 |
| 0 | 56 | 44 | -40 | -38 | -35 | -38 | -38 | -38 | -36 | -38 | -38 | -36 |
| 81 | 57 | 5 | -40 | -39 | -36 | -38 | -37 | -39 | -36 | -38 | -38 | -37 |
| 82 | 57 | 21 | -40 | -39 | -36 | -37 | -38 | -39 | -36 | -38 | -38 | -37 |
| 83 | 57 | 46 | -40 | -39 | -36 | -37 | -38 | -39 | -36 | -38 | -38 | -37 |
| 84 | 58 | 7 | -40 | -39 | -36 | -37 | -38 | -39 | -37 | -38 | -38 | -37 |
| 85 | 58 | 27 | -41 | -39 | -36 | -38 | -38 | -39 | -37 | -38 | -40 | -38 |
| 86 | 58 | 48 | -40 | -39 | -36 | -38 | -38 | -40 | -37 | -38 | -38 | -37 |
| 87 | 59 | 9 | -41 | -39 | -36 | -38 | -38 | -40 | -37 | -38 | -38 | -37 |
| 88 | 59 | 29 | -41 | -39 | -36 | -38 | -38 | -40 | -37 | -38 | -38 | -37 |
| 89 | 59 | 50 | -40 | -39 | -37 | -38 | -38 | -40 | -37 | -38 | -38 | -37 |
| 0 | 60 | 10 | -40 | -39 | -37 | -38 | -39 | -40 | -37 | -38 | -40 | -38 |
| 91 | 60 | 60 | -41 | -40 | -37 | -38 | -38 | -40 | -37 | -39 | -39 | -38 |
| 92 | 60 | 52 | -41 | -40 | -36 | -39 | -39 | -40 | -37 | -39 | -39 | -38 |
| 93 | 61 | 12 | -41 | -40 | -37 | -38 | -39 | -40 | -37 | -38 | -40 | -38 |
| 94 | 61 | 33 | -41 | -40 | -38 | -38 | -38 | -40 | -37 | -39 | -40 | -38 |
| 95 | 61 | 53 | -41 | -40 | -37 | -38 | -39 | -40 | -37 | -39 | -40 | -38 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-05 ENG-1 OIL TANK 173LEV TEMP DEG.C | 5-06 ENG-1 OIL COOLER INLET OIL DEG.C | 5-07 ENG-1 OIL COOLER OUTLET OIL DEG.C | 5-08 ENG-1 FUEL PUMP INLET FUEL DEG.C | 5-09 ENG-1 N.G.B. COOLER OUTLET OIL DEG.C | 5-10 ENG-1 N.G.B. COOLER INLET OIL DEG.C | 5-11 ENG-2 N.G.B. COOLER OUTLET OIL DEG.C | 5-12 ENG-2 N.G.B. COOLER INLET OIL DEG.C | 5-13 ENG-2 OIL COOLER INLET OIL DEG.C | 5-14 ENG-2 OIL COOLER OUTLET OIL DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|--|---|--|---|--|
| 96 | 62 | 14 | -41 | -40 | -37 | -39 | -39 | -40 | -38 | -39 | -40 | -38 |
| 97 | 62 | 34 | -40 | -40 | -37 | -39 | -39 | -40 | -38 | -39 | -40 | -38 |
| 98 | 62 | 55 | -41 | -40 | -37 | -39 | -38 | -40 | -38 | -39 | -40 | -38 |
| 99 | 63 | 15 | -41 | -40 | -37 | -39 | -39 | -40 | -38 | -39 | -40 | -38 |
| 100 | 63 | 36 | -42 | -40 | -37 | -39 | -39 | -40 | -38 | -39 | -40 | -38 |
| 101 | 63 | 57 | -41 | -40 | -37 | -39 | -39 | -40 | -38 | -39 | -40 | -38 |
| 102 | 64 | 17 | -42 | -40 | -37 | -39 | -40 | -40 | -38 | -39 | -40 | -38 |
| 103 | 64 | 38 | -42 | -40 | -37 | -39 | -39 | -40 | -38 | -39 | -40 | -38 |
| 104 | 64 | 58 | -41 | -40 | -38 | -39 | -39 | -40 | -38 | -39 | -40 | -38 |
| 105 | 65 | 19 | -41 | -38 | -39 | -39 | -39 | -40 | -38 | -39 | -40 | -38 |
| 106 | 65 | 40 | -42 | -38 | -39 | -39 | -39 | -40 | -38 | -39 | -40 | -38 |
| 107 | 66 | 0 | -42 | -37 | -38 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 108 | 66 | 21 | -41 | -37 | -38 | -39 | -39 | -40 | -38 | -39 | -40 | -38 |
| 109 | 66 | 41 | -41 | -32 | -32 | -39 | -39 | -40 | -38 | -39 | -40 | -38 |
| 110 | 67 | 2 | -41 | -32 | -32 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 111 | 67 | 23 | -40 | -32 | -32 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 112 | 67 | 43 | -40 | -32 | -32 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 113 | 68 | 4 | -40 | -33 | -32 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 114 | 68 | 25 | -40 | -33 | -32 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 115 | 68 | 46 | -40 | -33 | -32 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 116 | 69 | 7 | -41 | -33 | -32 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 117 | 69 | 27 | -40 | -33 | -33 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 118 | 69 | 46 | -40 | -34 | -33 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 119 | 70 | 9 | -40 | -34 | -33 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 120 | 70 | 26 | -40 | -34 | -33 | -37 | -39 | -40 | -38 | -39 | -40 | -38 |
| 121 | 70 | 50 | -40 | -33 | -33 | -38 | -38 | -40 | -38 | -39 | -40 | -38 |
| 122 | 71 | 10 | -40 | -32 | -33 | -38 | -38 | -40 | -38 | -39 | -40 | -38 |
| 123 | 71 | 31 | -40 | -33 | -33 | -37 | -38 | -40 | -38 | -39 | -40 | -38 |
| 124 | 71 | 51 | -40 | -34 | -34 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 125 | 72 | 12 | -40 | -33 | -33 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 126 | 72 | 32 | -40 | -33 | -33 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 127 | 72 | 53 | -40 | -34 | -34 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 128 | 73 | 13 | -40 | -32 | -33 | -37 | -38 | -40 | -38 | -39 | -40 | -38 |
| 129 | 73 | 34 | -39 | -31 | -34 | -37 | -38 | -40 | -38 | -39 | -40 | -38 |
| 130 | 73 | 54 | -36 | -31 | -33 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 131 | 74 | 15 | -40 | -27 | -33 | -38 | -39 | -40 | -38 | -39 | -40 | -38 |
| 132 | 74 | 35 | -39 | -15 | -33 | -33 | -36 | -40 | -38 | -39 | -40 | -38 |
| 133 | 74 | 56 | -36 | -7 | -27 | -18 | -18 | -27 | -27 | -27 | -27 | -27 |
| 134 | 75 | 16 | -36 | 0 | -2 | -24 | -9 | -9 | -9 | -9 | -9 | -9 |
| 135 | 75 | 36 | -30 | 4 | 3 | -23 | 7 | 7 | 7 | 7 | 7 | 7 |
| 136 | 75 | 57 | -17 | 9 | 9 | -24 | 14 | 14 | 14 | 14 | 14 | 14 |
| 137 | 76 | 17 | -3 | 13 | 13 | -24 | 19 | 19 | 19 | 19 | 19 | 19 |
| 138 | 76 | 38 | 4 | 16 | 16 | -24 | 25 | 25 | 25 | 25 | 25 | 25 |
| 139 | 76 | 58 | 10 | 22 | 22 | -25 | 35 | 35 | 35 | 35 | 35 | 35 |
| 140 | 77 | 19 | 16 | 31 | 31 | -24 | 44 | 44 | 44 | 44 | 44 | 44 |
| 141 | 77 | 39 | 21 | 36 | 36 | -24 | 50 | 50 | 50 | 50 | 50 | 50 |
| 142 | 77 | 59 | 27 | 39 | 39 | -24 | 58 | 58 | 58 | 58 | 58 | 58 |
| 143 | 78 | 19 | 31 | 42 | 42 | -24 | 61 | 61 | 61 | 61 | 61 | 61 |
| 144 | 78 | 40 | 35 | 47 | 47 | -24 | 65 | 65 | 65 | 65 | 65 | 65 |
| 145 | 79 | 0 | 37 | 44 | 44 | -24 | 68 | 68 | 68 | 68 | 68 | 68 |

| 01 SWEEP COUNT | 02 TIME MIN. | 03 TIME SEC. | 05 ENG.1 OIL TANK TEMP DEG.C | 06 ENG.1 OIL COOLER INLET OIL DEG.C | 07 ENG.1 OIL COOLER OUTLET OIL DEG.C | 08 ENG.1 FUEL PUMP INLET FUEL DEG.C | 09 ENG.1 N.O.B. COOLER OUTLET OIL DEG.C | 10 ENG.1 N.O.B. COOLER INLET OIL DEG.C | 11 ENG.2 N.O.B. COOLER OUTLET OIL DEG.C | 12 ENG.2 N.O.B. COOLER INLET OIL DEG.C | 13 ENG.2 OIL COOLER INLET OIL DEG.C | 14 ENG.2 OIL COOLER OUTLET OIL DEG.C |
|----------------------|--------------------|--------------------|---|---|--|---|---|--|---|--|---|--|
| 146 | 79 | 20 | 40 | 53 | 45 | -24 | 57 | 71 | 58 | 83 | 69 | 55 |
| 147 | 79 | 40 | 42 | 55 | 46 | -24 | 59 | 73 | 58 | 85 | 70 | 58 |
| 148 | 80 | 0 | 44 | 57 | 47 | -24 | 59 | 76 | 58 | 82 | 69 | 56 |
| 149 | 80 | 21 | 43 | 58 | 45 | -24 | 56 | 75 | 55 | 79 | 68 | 52 |
| 150 | 80 | 42 | 44 | 58 | 45 | -24 | 56 | 75 | 55 | 79 | 68 | 53 |
| 151 | 81 | 2 | 44 | 59 | 48 | -23 | 59 | 77 | 57 | 81 | 69 | 56 |
| 152 | 81 | 22 | 45 | 59 | 48 | -23 | 60 | 79 | 56 | 81 | 68 | 54 |
| 153 | 81 | 43 | 46 | 61 | 49 | -23 | 61 | 79 | 56 | 81 | 69 | 55 |
| 154 | 82 | 3 | 47 | 61 | 48 | -23 | 60 | 81 | 56 | 82 | 70 | 54 |
| 155 | 82 | 23 | 48 | 62 | 49 | -23 | 61 | 81 | 56 | 83 | 71 | 55 |
| 156 | 82 | 44 | 48 | 64 | 49 | -22 | 60 | 82 | 58 | 84 | 71 | 55 |
| 157 | 83 | 4 | 48 | 65 | 49 | -22 | 60 | 82 | 58 | 84 | 71 | 55 |
| 158 | 83 | 24 | 48 | 65 | 50 | -22 | 61 | 82 | 58 | 84 | 70 | 55 |
| 159 | 83 | 44 | 48 | 65 | 50 | -22 | 60 | 82 | 58 | 84 | 71 | 55 |
| 160 | 84 | 5 | 48 | 65 | 49 | -22 | 60 | 82 | 58 | 84 | 70 | 55 |
| 161 | 84 | 25 | 48 | 65 | 48 | -22 | 59 | 83 | 58 | 84 | 70 | 54 |
| 162 | 84 | 45 | 48 | 65 | 50 | -22 | 61 | 83 | 58 | 84 | 70 | 55 |
| 163 | 85 | 5 | 48 | 64 | 49 | -23 | 60 | 82 | 58 | 84 | 69 | 54 |
| 164 | 85 | 26 | 48 | 64 | 50 | -23 | 60 | 82 | 58 | 84 | 70 | 55 |
| 165 | 85 | 46 | 48 | 64 | 49 | -23 | 60 | 83 | 57 | 84 | 69 | 55 |
| 166 | 86 | 6 | 48 | 65 | 49 | -23 | 59 | 82 | 56 | 84 | 69 | 55 |
| 167 | 86 | 26 | 48 | 64 | 49 | -23 | 59 | 82 | 57 | 83 | 69 | 55 |
| 168 | 86 | 47 | 48 | 64 | 47 | -23 | 59 | 82 | 57 | 83 | 69 | 55 |
| 169 | 87 | 7 | 48 | 64 | 49 | -23 | 60 | 82 | 57 | 83 | 70 | 54 |
| 170 | 87 | 27 | 48 | 64 | 51 | -23 | 61 | 83 | 57 | 83 | 69 | 55 |
| 171 | 87 | 48 | 49 | 65 | 50 | -22 | 61 | 83 | 56 | 84 | 70 | 55 |
| 172 | 88 | 8 | 49 | 64 | 50 | -23 | 61 | 83 | 56 | 83 | 70 | 55 |
| 173 | 88 | 28 | 49 | 64 | 51 | -23 | 61 | 83 | 56 | 83 | 69 | 56 |
| 174 | 88 | 48 | 49 | 64 | 50 | -23 | 61 | 83 | 57 | 83 | 70 | 55 |
| 175 | 89 | 9 | 49 | 64 | 47 | -22 | 58 | 83 | 57 | 83 | 71 | 54 |
| 176 | 89 | 29 | 47 | 65 | 46 | -23 | 59 | 84 | 57 | 84 | 71 | 55 |
| 177 | 89 | 49 | 47 | 65 | 51 | -22 | 58 | 84 | 57 | 84 | 71 | 55 |
| 178 | 90 | 9 | 45 | 65 | 49 | -22 | 59 | 85 | 58 | 85 | 71 | 56 |
| 179 | 90 | 29 | 48 | 65 | 49 | -22 | 61 | 85 | 58 | 85 | 71 | 57 |
| 180 | 90 | 48 | 48 | 65 | 51 | -22 | 61 | 85 | 58 | 85 | 72 | 57 |
| 181 | 91 | 10 | 48 | 64 | 51 | -22 | 62 | 85 | 58 | 85 | 72 | 56 |
| 182 | 91 | 30 | 49 | 64 | 50 | -23 | 61 | 85 | 58 | 84 | 72 | 56 |
| 183 | 91 | 50 | 49 | 65 | 49 | -23 | 60 | 85 | 58 | 85 | 70 | 57 |
| 184 | 92 | 10 | 48 | 65 | 48 | -23 | 59 | 85 | 59 | 85 | 71 | 57 |
| 185 | 92 | 31 | 48 | 64 | 48 | -23 | 59 | 84 | 58 | 85 | 70 | 57 |
| 186 | 92 | 51 | 48 | 64 | 52 | -22 | 64 | 85 | 58 | 85 | 71 | 55 |
| 187 | 93 | 11 | 49 | 65 | 50 | -22 | 61 | 85 | 58 | 85 | 71 | 56 |
| 188 | 93 | 31 | 48 | 64 | 48 | -22 | 59 | 85 | 58 | 85 | 71 | 56 |
| 189 | 93 | 51 | 48 | 64 | 46 | -23 | 60 | 84 | 58 | 85 | 70 | 56 |
| 190 | 94 | 12 | 48 | 64 | 52 | -23 | 62 | 85 | 58 | 85 | 70 | 56 |
| 191 | 94 | 32 | 49 | 64 | 50 | -22 | 61 | 85 | 58 | 85 | 70 | 56 |
| 192 | 94 | 52 | 47 | 64 | 47 | -22 | 59 | 84 | 58 | 85 | 70 | 54 |
| 193 | 95 | 12 | 46 | 66 | 45 | -23 | 58 | 84 | 57 | 84 | 72 | 58 |
| 194 | 95 | 33 | 46 | 66 | 47 | -23 | 59 | 85 | 58 | 86 | 73 | 58 |
| 195 | 95 | 53 | 46 | 70 | 48 | -23 | 59 | 85 | 59 | 86 | 73 | 51 |

| -01 CHCEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-05 ENG.1 OIL TANK 1/3LEV DEG.C | 5-06 ENG.1 OIL COOLER INLET OIL DEG.C | 5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C | 5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C | 5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C | 5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C | 5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C | 5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C | 5-13 ENG.2 OIL COOLER INLET OIL DEG.C | 5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|--|---|--|---|--|
| 196 | 96 | 13 | 46 | 71 | 43 | -22 | 60 | 87 | 59 | 87 | 74 | 52 |
| 197 | 96 | 33 | 47 | 72 | 49 | -22 | 61 | 88 | 60 | 88 | 75 | 51 |
| 198 | 96 | 54 | 47 | 72 | 49 | -22 | 61 | 89 | 60 | 88 | 74 | 51 |
| 199 | 97 | 14 | 48 | 73 | 47 | -22 | 59 | 89 | 60 | 89 | 74 | 51 |
| 200 | 97 | 34 | 47 | 73 | 47 | -21 | 60 | 89 | 60 | 88 | 75 | 51 |
| 201 | 97 | 54 | 46 | 72 | 47 | -22 | 59 | 89 | 60 | 89 | 75 | 51 |
| 202 | 98 | 14 | 46 | 72 | 46 | -22 | 59 | 89 | 60 | 89 | 75 | 51 |
| 203 | 98 | 35 | 46 | 71 | 48 | -21 | 59 | 89 | 59 | 89 | 75 | 51 |
| 204 | 98 | 55 | 46 | 72 | 43 | -22 | 61 | 89 | 59 | 89 | 75 | 52 |
| 205 | 99 | 15 | 46 | 72 | 47 | -21 | 59 | 89 | 59 | 88 | 74 | 51 |
| 206 | 99 | 35 | 46 | 71 | 46 | -21 | 59 | 89 | 59 | 87 | 74 | 53 |
| 207 | 99 | 56 | 46 | 71 | 49 | -22 | 61 | 89 | 59 | 88 | 74 | 53 |
| 208 | 100 | 15 | 47 | 71 | 50 | -21 | 62 | 89 | 59 | 88 | 74 | 54 |
| 209 | 100 | 36 | 48 | 72 | 48 | -21 | 60 | 89 | 53 | 88 | 75 | 54 |
| 210 | 100 | 56 | 48 | 72 | 46 | -22 | 59 | 89 | 58 | 88 | 75 | 52 |
| 211 | 101 | 17 | 48 | 71 | 47 | -21 | 59 | 89 | 59 | 87 | 75 | 51 |
| 212 | 101 | 37 | 46 | 72 | 47 | -21 | 59 | 89 | 59 | 87 | 75 | 50 |
| 213 | 101 | 57 | 47 | 72 | 47 | -21 | 59 | 89 | 59 | 88 | 75 | 51 |
| 214 | 102 | 17 | 46 | 72 | 48 | -21 | 50 | 89 | 59 | 87 | 75 | 51 |
| 215 | 102 | 38 | 46 | 71 | 47 | -20 | 59 | 88 | 59 | 87 | 74 | 51 |
| 216 | 102 | 58 | 46 | 72 | 46 | -20 | 60 | 89 | 59 | 87 | 74 | 52 |
| 217 | 103 | 18 | 46 | 71 | 46 | -20 | 59 | 89 | 59 | 88 | 75 | 52 |
| 218 | 103 | 39 | 46 | 71 | 48 | -21 | 59 | 88 | 53 | 88 | 74 | 52 |
| 219 | 103 | 59 | 46 | 71 | 47 | -21 | 59 | 89 | 58 | 88 | 74 | 53 |
| 220 | 104 | 19 | 47 | 72 | 47 | -21 | 59 | 88 | 58 | 86 | 75 | 53 |
| 221 | 104 | 39 | 46 | 72 | 49 | -20 | 60 | 89 | 59 | 87 | 75 | 52 |
| 222 | 105 | 0 | 47 | 72 | 46 | -21 | 59 | 89 | 59 | 87 | 75 | 51 |
| 223 | 105 | 20 | 47 | 73 | 43 | -21 | 61 | 89 | 59 | 88 | 75 | 52 |
| 224 | 105 | 40 | 46 | 72 | 49 | -21 | 61 | 89 | 59 | 88 | 75 | 51 |
| 225 | 106 | 0 | 48 | 73 | 49 | -20 | 62 | 90 | 59 | 88 | 75 | 51 |
| 226 | 106 | 20 | 48 | 73 | 48 | -20 | 62 | 90 | 59 | 88 | 75 | 52 |
| 227 | 106 | 41 | 48 | 73 | 43 | -21 | 62 | 90 | 53 | 88 | 76 | 52 |
| 228 | 107 | 1 | 48 | 74 | 48 | -20 | 61 | 90 | 59 | 88 | 75 | 51 |
| 229 | 107 | 21 | 48 | 74 | 50 | -20 | 62 | 90 | 59 | 88 | 75 | 52 |
| 230 | 107 | 41 | 48 | 74 | 49 | -20 | 62 | 89 | 59 | 86 | 76 | 52 |
| 231 | 108 | 1 | 49 | 75 | 49 | -20 | 61 | 90 | 59 | 88 | 75 | 51 |
| 232 | 108 | 22 | 48 | 75 | 49 | -20 | 61 | 91 | 59 | 88 | 75 | 51 |
| 233 | 108 | 42 | 48 | 75 | 48 | -20 | 60 | 90 | 59 | 88 | 75 | 51 |
| 234 | 109 | 2 | 48 | 75 | 49 | -20 | 61 | 91 | 59 | 89 | 75 | 51 |
| 235 | 109 | 22 | 48 | 75 | 51 | -20 | 62 | 90 | 59 | 89 | 76 | 51 |
| 236 | 109 | 42 | 49 | 75 | 51 | -20 | 62 | 91 | 59 | 89 | 76 | 52 |
| 237 | 110 | 2 | 48 | 75 | 51 | -20 | 62 | 91 | 59 | 88 | 75 | 52 |
| 238 | 110 | 22 | 48 | 75 | 51 | -20 | 62 | 91 | 59 | 88 | 75 | 52 |
| 239 | 110 | 42 | 50 | 76 | 52 | -20 | 63 | 91 | 59 | 88 | 75 | 52 |
| 240 | 111 | 2 | 50 | 76 | 51 | -20 | 62 | 91 | 59 | 88 | 75 | 53 |
| 241 | 111 | 22 | 50 | 76 | 50 | -20 | 62 | 91 | 58 | 88 | 76 | 52 |
| 242 | 111 | 43 | 50 | 76 | 50 | -20 | 62 | 91 | 58 | 88 | 76 | 52 |
| 243 | 111 | 3 | 50 | 76 | 50 | -20 | 62 | 91 | 58 | 88 | 77 | 51 |
| 244 | 112 | 23 | 50 | 76 | 51 | -20 | 62 | 92 | 58 | 88 | 76 | 51 |
| 245 | 112 | 43 | 49 | 76 | 51 | -20 | 62 | 92 | 58 | 87 | 76 | 52 |

| SWP COUNT | F-02 TIME *104 | F-03 TIME SEC. | 5-05 ENG.1 OIL TANK 1/2LEV TEMP DEG.C | 5-06 ENG.1 OIL COOLER INLET OIL DEG.C | 5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C | 5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C | 5-09 ENG.1 N.S.B. COOLER OUTLET OIL DEG.C | 5-10 ENG.1 N.S.B. COOLER INLET OIL DEG.C | 5-11 ENG.2 N.S.B. COOLER OUTLET OIL DEG.C | 5-12 ENG.2 N.S.B. COOLER INLET OIL DEG.C | 5-13 ENG.2 OIL COOLER INLET OIL DEG.C | 5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C |
|--------------|----------------------|----------------------|---|---|--|---|---|--|---|--|---|--|
| 246 | 113 | 3 | 50 | 77 | 51 | -19 | 62 | 91 | 58 | 68 | 75 | 53 |
| 247 | 113 | 23 | 50 | 76 | 51 | -19 | 62 | 92 | 58 | 68 | 76 | 52 |
| 248 | 113 | 43 | 50 | 75 | 51 | -19 | 62 | 92 | 59 | 68 | 77 | 52 |
| 249 | 114 | 1 | 49 | 75 | 50 | -20 | 62 | 92 | 58 | 68 | 77 | 52 |
| 250 | 114 | 23 | 49 | 75 | 51 | -19 | 62 | 91 | 58 | 68 | 76 | 52 |
| 251 | 114 | 43 | 49 | 76 | 51 | -19 | 62 | 92 | 59 | 67 | 76 | 52 |
| 252 | 115 | 3 | 49 | 76 | 51 | -19 | 62 | 92 | 58 | 67 | 76 | 52 |
| 253 | 115 | 23 | 49 | 75 | 50 | -20 | 62 | 92 | 58 | 68 | 76 | 52 |
| 254 | 115 | 43 | 50 | 76 | 50 | -19 | 62 | 92 | 59 | 68 | 76 | 52 |
| 255 | 116 | 3 | 49 | 75 | 50 | -20 | 62 | 92 | 58 | 68 | 76 | 52 |
| 256 | 116 | 23 | 49 | 75 | 51 | -19 | 62 | 92 | 58 | 68 | 76 | 52 |
| 257 | 116 | 43 | 50 | 76 | 51 | -19 | 62 | 91 | 59 | 68 | 76 | 52 |
| 258 | 117 | 3 | 50 | 76 | 51 | -19 | 62 | 92 | 58 | 68 | 76 | 52 |
| 259 | 117 | 23 | 50 | 76 | 51 | -19 | 62 | 92 | 58 | 68 | 76 | 52 |
| 260 | 117 | 43 | 50 | 76 | 51 | -19 | 62 | 92 | 59 | 68 | 76 | 52 |
| 261 | 118 | 3 | 49 | 76 | 51 | -18 | 62 | 92 | 59 | 68 | 76 | 52 |
| 262 | 118 | 23 | 49 | 76 | 51 | -19 | 62 | 92 | 59 | 68 | 76 | 52 |
| 263 | 118 | 43 | 49 | 76 | 51 | -19 | 61 | 91 | 59 | 68 | 76 | 52 |
| 264 | 119 | 3 | 49 | 76 | 51 | -19 | 62 | 92 | 58 | 68 | 76 | 52 |
| 265 | 119 | 23 | 49 | 76 | 51 | -19 | 62 | 92 | 58 | 68 | 76 | 52 |
| 266 | 119 | 43 | 49 | 76 | 51 | -19 | 62 | 92 | 59 | 68 | 76 | 52 |
| 267 | 120 | 3 | 49 | 76 | 50 | -19 | 62 | 92 | 59 | 68 | 76 | 52 |
| 268 | 120 | 23 | 50 | 76 | 50 | -18 | 62 | 91 | 58 | 68 | 76 | 52 |
| 269 | 120 | 43 | 50 | 76 | 51 | -18 | 62 | 92 | 58 | 68 | 76 | 52 |
| 270 | 121 | 3 | 50 | 76 | 51 | -18 | 62 | 91 | 58 | 67 | 76 | 52 |
| 271 | 121 | 23 | 49 | 75 | 51 | -18 | 62 | 91 | 58 | 66 | 76 | 52 |
| 272 | 121 | 44 | 49 | 76 | 50 | -18 | 62 | 90 | 57 | 65 | 75 | 51 |
| 273 | 122 | 4 | 49 | 75 | 49 | -18 | 61 | 90 | 56 | 65 | 75 | 51 |
| 274 | 122 | 24 | 49 | 75 | 49 | -18 | 62 | 90 | 56 | 65 | 75 | 51 |
| 275 | 122 | 45 | 49 | 75 | 50 | -18 | 61 | 90 | 56 | 65 | 75 | 51 |
| 276 | 123 | 5 | 49 | 75 | 50 | -18 | 61 | 89 | 56 | 65 | 75 | 51 |
| 277 | 123 | 25 | 49 | 75 | 49 | -18 | 61 | 89 | 56 | 64 | 75 | 51 |
| 278 | 123 | 45 | 49 | 75 | 49 | -18 | 61 | 89 | 56 | 63 | 75 | 51 |
| 279 | 124 | 6 | 49 | 75 | 49 | -19 | 61 | 89 | 56 | 62 | 75 | 51 |
| 280 | 124 | 26 | 49 | 75 | 48 | -18 | 60 | 89 | 56 | 62 | 76 | 50 |
| 281 | 124 | 47 | 49 | 74 | 48 | -18 | 61 | 87 | 56 | 62 | 75 | 51 |
| 282 | 125 | 7 | 48 | 75 | 51 | -18 | 62 | 87 | 56 | 61 | 75 | 52 |
| 283 | 125 | 28 | 48 | 74 | 49 | -18 | 60 | 87 | 56 | 61 | 75 | 51 |
| 284 | 125 | 49 | 49 | 74 | 49 | -18 | 60 | 87 | 55 | 61 | 75 | 50 |
| 285 | 126 | 9 | 49 | 74 | 49 | -18 | 59 | 86 | 56 | 60 | 75 | 51 |
| 286 | 126 | 30 | 49 | 74 | 49 | -18 | 59 | 86 | 56 | 60 | 75 | 51 |
| 287 | 126 | 50 | 49 | 74 | 49 | -18 | 60 | 86 | 56 | 61 | 75 | 51 |
| 288 | 127 | 11 | 49 | 75 | 49 | -18 | 59 | 86 | 55 | 60 | 75 | 51 |
| 289 | 127 | 31 | 49 | 74 | 49 | -18 | 60 | 86 | 55 | 60 | 75 | 51 |
| 290 | 127 | 52 | 49 | 74 | 50 | -18 | 60 | 86 | 55 | 60 | 75 | 51 |
| 291 | 128 | 12 | 49 | 74 | 50 | -18 | 60 | 86 | 55 | 60 | 75 | 51 |
| 292 | 128 | 33 | 49 | 74 | 49 | -18 | 60 | 86 | 55 | 60 | 75 | 52 |
| 293 | 128 | 53 | 49 | 74 | 49 | -18 | 60 | 86 | 55 | 60 | 75 | 51 |
| 294 | 129 | 14 | 49 | 74 | 49 | -18 | 60 | 85 | 55 | 79 | 75 | 51 |
| 295 | 129 | 34 | 49 | 74 | 50 | -18 | 60 | 85 | 55 | 79 | 75 | 52 |

| -81 SWEEP COUNT | 3-02 TIME MIN. | 5-03 TIME SEC. | 5-05 ENG.1 OIL TANK 1/31FY TEMP DEG.C | 5-06 ENG.1 OIL COOLER INLET OIL DEG.C | 5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C | 5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C | 5-09 ENG.1 N.S.B. COOLER OUTLET OIL DEG.C | 5-10 ENG.1 N.S.B. COOLER INLET OIL DEG.C | 5-11 ENG.2 N.S.B. COOLER OUTLET OIL DEG.C | 5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C | 5-13 ENG.2 OIL COOLER INLET OIL DEG.C | 5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|--|---|--|---|--|
| 296 | 129 | 55 | 49 | 74 | 50 | -18 | 60 | 85 | 55 | 80 | 75 | 52 |
| 297 | 130 | 16 | 49 | 75 | 49 | -18 | 60 | 85 | 55 | 80 | 75 | 51 |
| 298 | 130 | 36 | 49 | 74 | 50 | -18 | 60 | 85 | 55 | 79 | 75 | 51 |
| 299 | 130 | 57 | 49 | 75 | 49 | -18 | 60 | 86 | 55 | 80 | 75 | 51 |
| 300 | 131 | 17 | 49 | 74 | 50 | -18 | 60 | 86 | 55 | 80 | 75 | 52 |
| 301 | 131 | 38 | 49 | 74 | 50 | -18 | 60 | 85 | 55 | 79 | 75 | 51 |
| 302 | 131 | 58 | 49 | 74 | 50 | -18 | 60 | 85 | 55 | 79 | 75 | 52 |
| 303 | 132 | 19 | 49 | 74 | 50 | -18 | 60 | 85 | 55 | 80 | 75 | 52 |
| 304 | 132 | 39 | 49 | 74 | 50 | -17 | 59 | 85 | 55 | 80 | 76 | 52 |
| 305 | 133 | 0 | 49 | 74 | 49 | -16 | 59 | 85 | 55 | 79 | 75 | 52 |
| 306 | 133 | 20 | 49 | 74 | 49 | -18 | 60 | 85 | 55 | 79 | 75 | 52 |
| 307 | 133 | 41 | 49 | 73 | 49 | -18 | 60 | 85 | 55 | 80 | 75 | 52 |
| 308 | 134 | 1 | 49 | 73 | 50 | -18 | 61 | 85 | 55 | 80 | 75 | 51 |
| 309 | 134 | 22 | 49 | 74 | 50 | -18 | 61 | 85 | 55 | 80 | 75 | 51 |
| 310 | 134 | 42 | 49 | 74 | 50 | -18 | 60 | 85 | 55 | 80 | 75 | 51 |
| 311 | 135 | 2 | 49 | 74 | 51 | -18 | 61 | 85 | 56 | 81 | 76 | 51 |
| 312 | 135 | 22 | 50 | 75 | 51 | -17 | 62 | 86 | 56 | 81 | 74 | 52 |
| 313 | 135 | 42 | 49 | 74 | 49 | -17 | 61 | 87 | 56 | 81 | 75 | 52 |
| 314 | 136 | 2 | 50 | 74 | 49 | -17 | 61 | 87 | 56 | 82 | 76 | 52 |
| 315 | 136 | 22 | 49 | 75 | 50 | -17 | 61 | 87 | 56 | 82 | 75 | 52 |
| 316 | 136 | 43 | 49 | 75 | 43 | -18 | 61 | 88 | 56 | 83 | 75 | 51 |
| 317 | 137 | 3 | 49 | 74 | 50 | -17 | 62 | 88 | 56 | 82 | 76 | 51 |
| 318 | 137 | 23 | 49 | 75 | 50 | -17 | 62 | 89 | 56 | 83 | 76 | 51 |
| 319 | 137 | 43 | 49 | 75 | 50 | -17 | 61 | 89 | 55 | 83 | 75 | 51 |
| 320 | 138 | 3 | 48 | 74 | 50 | -17 | 61 | 89 | 55 | 83 | 76 | 51 |
| 321 | 138 | 23 | 49 | 74 | 49 | -17 | 62 | 89 | 56 | 83 | 75 | 51 |
| 322 | 138 | 43 | 49 | 75 | 49 | -16 | 62 | 88 | 56 | 84 | 75 | 51 |
| 323 | 139 | 3 | 49 | 75 | 49 | -16 | 61 | 89 | 56 | 83 | 76 | 51 |
| 324 | 139 | 23 | 48 | 74 | 50 | -17 | 62 | 89 | 56 | 83 | 75 | 52 |
| 325 | 139 | 43 | 49 | 75 | 50 | -17 | 62 | 89 | 56 | 83 | 75 | 51 |
| 326 | 140 | 3 | 49 | 74 | 50 | -16 | 61 | 89 | 56 | 83 | 75 | 51 |
| 327 | 140 | 23 | 49 | 74 | 53 | -17 | 63 | 89 | 55 | 83 | 75 | 51 |
| 328 | 140 | 43 | 49 | 73 | 52 | -16 | 62 | 89 | 56 | 84 | 75 | 54 |
| 329 | 141 | 3 | 51 | 74 | 50 | -18 | 61 | 90 | 56 | 84 | 77 | 53 |
| 330 | 141 | 23 | 50 | 75 | 43 | -17 | 59 | 89 | 57 | 84 | 77 | 52 |
| 331 | 141 | 42 | 51 | 74 | 43 | -15 | 62 | 89 | 57 | 84 | 77 | 53 |
| 332 | 142 | 2 | 51 | 73 | 52 | -14 | 63 | 89 | 56 | 84 | 75 | 53 |
| 333 | 142 | 22 | 49 | 73 | 51 | -17 | 61 | 88 | 57 | 83 | 75 | 54 |
| 334 | 142 | 42 | 49 | 72 | 51 | -20 | 61 | 88 | 56 | 83 | 75 | 54 |
| 335 | 143 | 1 | 51 | 72 | 54 | -20 | 63 | 89 | 58 | 83 | 73 | 55 |
| 336 | 143 | 21 | 50 | 70 | 51 | -24 | 62 | 88 | 57 | 83 | 73 | 55 |
| 337 | 143 | 41 | 50 | 70 | 51 | -25 | 61 | 87 | 56 | 83 | 73 | 54 |
| 338 | 144 | 1 | 49 | 69 | 52 | -26 | 63 | 87 | 56 | 83 | 73 | 54 |
| 339 | 144 | 21 | 51 | 70 | 53 | -25 | 63 | 89 | 58 | 82 | 73 | 56 |
| 340 | 144 | 40 | 50 | 69 | 51 | -27 | 61 | 87 | 56 | 82 | 72 | 55 |
| 341 | 145 | 0 | 50 | 69 | 51 | -24 | 61 | 87 | 56 | 82 | 73 | 55 |
| 342 | 145 | 20 | 50 | 69 | 50 | -27 | 61 | 86 | 56 | 81 | 72 | 54 |
| 343 | 145 | 40 | 50 | 70 | 52 | -28 | 62 | 86 | 57 | 82 | 73 | 55 |
| 344 | 146 | 0 | 50 | 70 | 52 | -28 | 62 | 86 | 57 | 82 | 73 | 55 |
| 345 | 146 | 19 | 50 | 69 | 51 | -28 | 61 | 86 | 56 | 82 | 73 | 55 |

| -01 SMFEP COUNT | 5-02 TIME MIN | 5-03 TIME SEC | 5-05 ENG.1 OIL TANK LEVEL DEG.C | 5-06 ENG.1 OIL COOLER INLET OIL DEG.C | 5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C | 5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C | 5-09 ENG.1 M.S.B. COOLER OUTLET OIL DEG.C | 5-10 ENG.1 M.S.B. COOLER INLET OIL DEG.C | 5-11 ENG.2 M.S.B. COOLER OUTLET OIL DEG.C | 5-12 ENG.2 M.S.B. COOLER INLET OIL DEG.C | 5-13 ENG.2 OIL COOLER INLET OIL DEG.C | 5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C |
|-----------------------|---------------------|---------------------|--|---|--|---|---|--|---|--|---|--|
| 396 | 163 | 50 | 50 | 69 | 51 | -28 | 61 | 87 | 57 | 82 | 73 | 56 |
| 397 | 164 | 10 | 50 | 69 | 52 | -28 | 62 | 87 | 57 | 82 | 73 | 56 |
| 398 | 166 | 58 | 49 | 69 | 51 | -28 | 61 | 87 | 56 | 81 | 73 | 55 |
| 399 | 167 | 18 | 48 | 69 | 50 | -28 | 60 | 86 | 56 | 82 | 73 | 55 |
| 400 | 167 | 38 | 50 | 69 | 51 | -28 | 63 | 87 | 56 | 82 | 74 | 55 |
| 401 | 169 | 32 | 49 | 69 | 49 | -28 | 60 | 87 | 56 | 82 | 73 | 54 |
| 402 | 172 | 6 | 48 | 70 | 46 | -27 | 59 | 87 | 56 | 82 | 73 | 54 |
| 403 | 172 | 26 | 47 | 70 | 46 | -26 | 59 | 87 | 56 | 82 | 73 | 54 |
| 404 | 172 | 46 | 46 | 69 | 49 | -26 | 62 | 87 | 56 | 82 | 73 | 52 |
| 405 | 174 | 46 | 49 | 69 | 51 | -27 | 62 | 86 | 56 | 83 | 73 | 55 |
| 406 | 174 | 59 | 49 | 68 | 52 | -27 | 61 | 87 | 56 | 82 | 72 | 56 |
| 407 | 175 | 19 | 50 | 66 | 55 | -28 | 67 | 86 | 60 | 82 | 71 | 59 |
| 408 | 177 | 14 | 50 | 65 | 49 | -28 | 59 | 87 | 57 | 83 | 72 | 59 |
| 409 | 178 | 4 | 46 | 65 | 45 | -27 | 60 | 86 | 56 | 82 | 69 | 55 |
| 410 | 178 | 24 | 46 | 65 | 50 | -26 | 63 | 86 | 56 | 81 | 70 | 55 |
| 411 | 178 | 43 | 46 | 64 | 48 | -27 | 63 | 86 | 56 | 80 | 69 | 55 |
| 412 | 179 | 3 | 46 | 64 | 46 | -26 | 59 | 86 | 55 | 81 | 69 | 52 |
| 413 | 179 | 23 | 46 | 65 | 46 | -26 | 59 | 85 | 56 | 81 | 68 | 55 |
| 414 | 179 | 42 | 46 | 64 | 45 | -26 | 59 | 85 | 56 | 80 | 68 | 55 |
| 415 | 180 | 2 | 46 | 63 | 49 | -26 | 61 | 85 | 58 | 81 | 68 | 56 |
| 416 | 180 | 21 | 46 | 63 | 48 | -26 | 61 | 85 | 56 | 80 | 68 | 55 |
| 417 | 180 | 41 | 46 | 62 | 49 | -26 | 62 | 85 | 57 | 80 | 68 | 55 |
| 418 | 181 | 1 | 46 | 63 | 46 | -27 | 61 | 85 | 56 | 79 | 66 | 55 |
| 419 | 181 | 23 | 48 | 64 | 49 | -26 | 61 | 85 | 56 | 79 | 68 | 53 |
| 420 | 181 | 40 | 48 | 64 | 48 | -26 | 60 | 85 | 55 | 78 | 68 | 53 |
| 421 | 181 | 59 | 47 | 65 | 48 | -26 | 60 | 85 | 55 | 78 | 67 | 52 |
| 422 | 182 | 18 | 47 | 64 | 48 | -26 | 60 | 84 | 55 | 78 | 67 | 52 |
| 423 | 182 | 38 | 47 | 64 | 48 | -26 | 61 | 85 | 55 | 78 | 67 | 52 |
| 424 | 182 | 58 | 47 | 64 | 48 | -26 | 61 | 84 | 56 | 78 | 67 | 54 |
| 425 | 183 | 17 | 47 | 64 | 48 | -26 | 61 | 84 | 56 | 78 | 67 | 54 |
| 426 | 183 | 37 | 47 | 64 | 49 | -26 | 61 | 85 | 56 | 78 | 67 | 54 |
| 427 | 183 | 56 | 48 | 64 | 50 | -25 | 62 | 85 | 56 | 78 | 67 | 55 |
| 428 | 184 | 16 | 48 | 64 | 50 | -25 | 59 | 82 | 56 | 76 | 68 | 55 |
| 429 | 184 | 36 | 48 | 63 | 50 | -25 | 59 | 82 | 56 | 76 | 68 | 54 |
| 430 | 184 | 56 | 48 | 60 | 53 | -24 | 62 | 78 | 56 | 76 | 69 | 54 |
| 431 | 185 | 16 | 48 | 58 | 52 | -24 | 58 | 76 | 56 | 78 | 69 | 54 |
| 432 | 185 | 36 | 48 | 56 | 52 | -24 | 57 | 73 | 55 | 78 | 69 | 54 |
| 433 | 185 | 56 | 48 | 54 | 51 | -24 | 55 | 71 | 55 | 78 | 68 | 53 |
| 434 | 186 | 16 | 48 | 52 | 50 | -24 | 55 | 70 | 55 | 76 | 68 | 53 |
| 435 | 186 | 35 | 48 | 51 | 49 | -24 | 53 | 69 | 55 | 73 | 65 | 55 |
| 436 | 186 | 55 | 48 | 49 | 48 | -24 | 51 | 68 | 54 | 71 | 63 | 57 |
| 437 | 187 | 14 | 48 | 48 | 47 | -24 | 50 | 67 | 54 | 70 | 61 | 58 |
| 438 | 187 | 34 | 48 | 46 | 46 | -24 | 49 | 66 | 58 | 69 | 60 | 58 |
| 439 | 187 | 53 | 48 | 44 | 46 | -24 | 48 | 65 | 48 | 68 | 59 | 58 |
| 440 | 189 | 41 | 46 | 44 | 43 | -23 | 42 | 60 | 44 | 68 | 50 | 51 |
| 441 | 191 | 14 | 45 | 43 | 40 | -23 | 38 | 41 | 44 | 57 | 47 | 46 |
| 442 | 191 | 33 | 45 | 42 | 39 | -23 | 37 | 41 | 41 | 55 | 42 | 46 |
| 443 | 191 | 53 | 44 | 41 | 39 | -24 | 36 | 40 | 40 | 55 | 41 | 45 |
| 444 | 192 | 12 | 44 | 41 | 39 | -24 | 36 | 40 | 40 | 53 | 41 | 45 |
| 445 | 194 | 7 | 42 | 25 | 26 | -24 | 32 | 47 | 34 | 46 | 33 | 41 |

| 5-01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 SEC. | 5-05 ENG.1 OIL TANK 17/15V TEMP DEG.C | 5-06 ENG.1 OIL COOLER INLET OIL DEG.C | 5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C | 5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C | 5-09 ENG.1 N.J.S.B. COOLER OUTLET OIL DEG.C | 5-10 ENG.1 N.J.S.B. COOLER INLET OIL DEG.C | 5-11 ENG.2 N.J.S.B. COOLER OUTLET OIL DEG.C | 5-12 ENG.2 N.J.S.B. COOLER INLET OIL DEG.C | 5-13 ENG.2 OIL COOLER INLET OIL DEG.C | 5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C |
|------------------------|----------------------|--------------|---|---|--|---|---|--|---|--|---|--|
| 445 | 198 | 18 | 35 | 10 | 25 | -30 | 20 | 32 | 16 | 29 | 16 | 28 |
| 447 | 198 | 38 | 34 | 9 | 24 | -30 | 19 | 31 | 17 | 29 | 15 | 26 |
| 449 | 198 | 58 | 33 | 8 | 24 | -31 | 18 | 30 | 15 | 28 | 14 | 27 |
| 449 | 207 | 6 | 29 | -2 | 17 | -30 | 9 | 19 | 0 | 12 | 2 | 17 |
| 450 | 207 | 25 | 30 | -2 | 17 | -30 | 9 | 19 | -1 | 12 | 2 | 17 |
| 451 | 207 | 45 | 30 | -2 | 17 | -30 | 9 | 19 | -2 | 11 | 2 | 16 |
| 452 | 208 | 6 | 30 | -2 | 17 | -30 | 9 | 18 | -2 | 11 | 2 | 16 |
| 453 | 212 | 26 | 28 | -6 | 15 | -29 | 7 | 14 | -3 | 7 | -1 | 12 |
| 454 | 212 | 45 | 26 | -6 | 14 | -29 | 6 | 13 | -9 | 6 | -2 | 12 |
| 455 | 213 | 5 | 28 | -6 | 14 | -29 | 6 | 13 | -10 | 5 | -2 | 12 |
| 456 | 213 | 26 | 28 | -6 | 14 | -29 | 6 | 12 | -10 | 5 | -2 | 12 |
| 457 | 217 | 44 | 26 | -10 | 11 | -30 | 0 | 6 | -16 | 0 | -6 | 6 |
| 458 | 216 | 4 | 25 | -10 | 10 | -30 | 0 | 6 | -16 | 0 | -6 | 6 |
| 459 | 218 | 25 | 26 | -10 | 10 | -30 | 0 | 5 | -16 | 0 | -7 | 5 |
| 460 | 222 | 42 | 24 | -12 | 7 | -28 | -4 | 2 | -19 | -5 | -7 | 5 |
| 461 | 223 | 1 | 24 | -12 | 7 | -29 | -5 | 1 | -19 | -5 | -11 | 0 |
| 462 | 223 | 21 | 24 | -12 | 7 | -29 | -5 | 1 | -19 | -6 | -11 | 0 |
| 463 | 226 | 59 | 24 | -13 | 5 | -27 | -7 | 0 | -19 | -6 | -11 | -8 |
| 464 | 227 | 19 | 24 | -12 | 6 | -27 | -7 | 0 | -19 | -6 | -11 | -8 |
| 465 | 227 | 38 | 24 | -13 | 5 | -27 | -7 | 0 | -19 | -6 | -11 | -8 |
| 466 | 231 | 17 | 24 | -14 | 4 | -27 | -7 | 0 | -19 | -6 | -11 | -8 |
| 467 | 231 | 36 | 23 | -14 | 4 | -26 | -10 | -2 | -14 | -6 | -12 | -2 |
| 468 | 231 | 55 | 24 | -14 | 4 | -27 | -10 | -2 | -14 | -7 | -12 | -1 |
| 469 | 235 | 34 | 21 | -16 | 2 | -27 | -13 | -5 | -18 | -7 | -12 | -2 |
| 470 | 235 | 53 | 21 | -16 | 2 | -28 | -14 | -5 | -20 | -8 | -14 | -4 |
| 471 | 236 | 13 | 21 | -16 | 2 | -27 | -14 | -5 | -20 | -8 | -14 | -4 |
| 472 | 239 | 50 | 19 | -18 | 0 | -27 | -14 | -5 | -20 | -8 | -14 | -4 |
| 473 | 240 | 18 | 18 | -18 | 0 | -28 | -16 | -5 | -21 | -10 | -16 | -5 |
| 474 | 240 | 29 | 19 | -18 | 0 | -24 | -17 | -6 | -21 | -10 | -16 | -5 |
| 475 | 244 | 6 | 17 | -19 | -1 | -29 | -18 | -7 | -21 | -11 | -18 | -6 |
| 476 | 244 | 25 | 17 | -19 | -1 | -29 | -18 | -8 | -21 | -11 | -18 | -6 |
| 477 | 244 | 45 | 17 | -20 | -1 | -29 | -18 | -8 | -21 | -11 | -18 | -6 |
| 478 | 248 | 22 | 18 | -18 | 0 | -27 | -18 | -6 | -21 | -10 | -18 | -5 |
| 479 | 248 | 41 | 18 | -18 | 0 | -27 | -18 | -6 | -21 | -10 | -18 | -5 |
| 480 | 249 | 0 | 19 | -18 | 0 | -27 | -16 | -5 | -19 | -9 | -16 | -5 |
| 481 | 249 | 0 | 19 | -18 | 0 | -27 | -16 | -5 | -19 | -9 | -16 | -5 |

HH-53C S/N 68-10354

ARCTIC TEST

9 JANUARY 1971

RUN NO. 2

-40 DEG C / -40 DEG F

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR BOX OIL TEMP DEG.C | 5-16 MAIN COOLER INLET OIL DEG.C | 5-17 MAIN COOLER OUTLET OIL DEG.C | 5-18 INTER. GEAR BOX OIL TEMP DEG.C | 5-19 TAIL GEAR BOX OIL TEMP DEG.C | 5-20 GEN.1 MASS TEMP DEG.C | 5-21 FUEL TEMP. TO COMBST HEATER DEG.C | 5-22 L.ELEC COMPT TOPCIR AIR TEMP DEG.C | 5-23 L.ELEC COMPT 81W RT AIR TEMP DEG.C | 5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|--|--|---|---|---|
| 1 | 0 | 5 | -33 | -32 | -30 | -34 | -34 | -34 | -29 | -31 | -31 | -32 |
| 2 | 0 | 25 | -33 | -32 | -31 | -33 | -34 | -34 | -29 | -30 | -30 | -32 |
| 3 | 0 | 45 | -32 | -32 | -31 | -33 | -34 | -34 | -29 | -30 | -31 | -32 |
| 4 | 1 | 5 | -33 | -32 | -31 | -33 | -34 | -34 | -29 | -30 | -31 | -32 |
| 5 | 1 | 25 | -33 | -32 | -31 | -34 | -34 | -34 | -29 | -31 | -31 | -32 |
| 6 | 1 | 44 | -33 | -32 | -31 | -34 | -34 | -34 | -29 | -30 | -30 | -32 |
| 7 | 2 | 4 | -33 | -32 | -30 | -34 | -34 | -34 | -29 | -30 | -30 | -32 |
| 8 | 2 | 24 | -32 | -32 | -30 | -34 | -34 | -34 | -29 | -30 | -31 | -32 |
| 9 | 2 | 45 | -32 | -32 | -31 | -33 | -34 | -35 | -29 | -30 | -31 | -32 |
| 10 | 3 | 5 | -32 | -32 | -31 | -32 | -34 | -32 | -30 | -31 | -31 | -32 |
| 11 | 3 | 25 | -32 | -32 | -31 | -33 | -34 | -32 | -30 | -30 | -31 | -32 |
| 12 | 3 | 45 | -31 | -32 | -31 | -34 | -34 | -31 | -29 | -31 | -31 | -32 |
| 13 | 4 | 5 | -30 | -31 | -31 | -34 | -34 | -32 | -29 | -31 | -31 | -32 |
| 14 | 4 | 25 | -32 | -32 | -31 | -34 | -34 | -31 | -29 | -30 | -30 | -32 |
| 15 | 4 | 45 | -22 | -32 | -31 | -34 | -34 | -31 | -30 | -30 | -31 | -32 |
| 16 | 5 | 5 | -18 | -32 | -31 | -34 | -34 | -30 | -30 | -30 | -31 | -32 |
| 17 | 5 | 25 | -14 | -32 | -31 | -33 | -34 | -30 | -30 | -30 | -31 | -32 |
| 18 | 5 | 45 | -12 | -32 | -31 | -34 | -34 | -30 | -30 | -30 | -31 | -32 |
| 19 | 6 | 5 | -11 | -32 | -31 | -34 | -34 | -24 | -30 | -31 | -31 | -32 |
| 20 | 6 | 25 | -11 | -32 | -31 | -34 | -34 | -24 | -30 | -30 | -31 | -32 |
| 21 | 6 | 45 | -10 | -32 | -31 | -34 | -34 | -27 | -30 | -30 | -31 | -32 |
| 22 | 7 | 5 | -6 | -32 | -32 | -34 | -35 | -26 | -30 | -30 | -31 | -32 |
| 23 | 7 | 25 | -2 | -32 | -31 | -34 | -35 | -26 | -30 | -30 | -31 | -32 |
| 24 | 7 | 46 | 0 | -32 | -31 | -34 | -34 | -26 | -30 | -31 | -31 | -32 |
| 25 | 8 | 6 | 1 | -32 | -32 | -34 | -34 | -26 | -30 | -30 | -31 | -32 |
| 26 | 8 | 26 | 3 | -32 | -32 | -34 | -34 | -24 | -30 | -30 | -31 | -32 |
| 27 | 8 | 46 | 4 | -32 | -32 | -33 | -34 | -24 | -30 | -30 | -31 | -32 |
| 28 | 9 | 6 | 6 | -33 | -33 | -34 | -35 | -23 | -30 | -31 | -31 | -32 |
| 29 | 9 | 26 | 7 | -31 | -32 | -35 | -35 | -23 | -31 | -31 | -31 | -32 |
| 30 | 9 | 46 | 4 | -32 | -32 | -34 | -35 | -21 | -30 | -30 | -31 | -32 |
| 31 | 10 | 6 | -7 | -32 | -32 | -34 | -35 | -20 | -30 | -30 | -31 | -32 |
| 32 | 12 | 37 | -14 | -33 | -32 | -34 | -35 | -16 | -31 | -31 | -31 | -32 |
| 33 | 17 | 6 | -20 | -33 | -32 | -34 | -35 | -16 | -31 | -31 | -31 | -32 |
| 34 | 17 | 26 | -20 | -33 | -33 | -34 | -35 | -16 | -31 | -31 | -31 | -32 |
| 35 | 17 | 46 | -21 | -34 | -33 | -34 | -36 | -16 | -31 | -31 | -31 | -32 |
| 36 | 21 | 35 | -23 | -34 | -33 | -34 | -36 | -17 | -31 | -31 | -31 | -32 |
| 37 | 21 | 55 | -23 | -34 | -33 | -34 | -36 | -17 | -31 | -31 | -31 | -32 |
| 38 | 22 | 16 | -24 | -34 | -33 | -34 | -36 | -18 | -31 | -31 | -31 | -32 |
| 39 | 22 | 36 | -24 | -34 | -33 | -35 | -36 | -17 | -31 | -31 | -31 | -32 |
| 40 | 23 | 26 | -24 | -34 | -33 | -35 | -36 | -19 | -31 | -31 | -31 | -32 |
| 41 | 23 | 46 | -24 | -34 | -33 | -35 | -36 | -18 | -31 | -31 | -31 | -32 |
| 42 | 24 | 6 | -24 | -34 | -33 | -35 | -36 | -18 | -31 | -31 | -31 | -32 |
| 43 | 24 | 27 | -14 | -34 | -34 | -35 | -36 | -20 | -31 | -31 | -31 | -32 |
| 44 | 24 | 48 | -6 | -34 | -34 | -35 | -37 | -20 | -31 | -31 | -31 | -32 |
| 45 | 25 | 4 | -2 | -34 | -34 | -35 | -36 | -21 | -31 | -31 | -31 | -32 |

| -01 SHEPP COUNT | 5-22 TIME MIN. | 5-23 TIME SEC. | 5-15 ACCESS BEAR BOX OIL TEMP DEG.C | 5-16 MAIN COOLER INLET OIL TEMP DEG.C | 5-17 MAIN COOLER OUTLET OIL TEMP DEG.C | 5-18 INTER, SEAR BOX OIL TEMP DEG.C | 5-19 TAIL SEAR BOX OIL TEMP DEG.C | 5-20 GEN.1 MASS TEMP DEG.C | 5-21 FUEL TEMP. TO COMBST HEATER DEG.C | 5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C | 5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C | 5-24 L.ELEC COMPT BTMFT AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|--|--|---|---|--|
| 46 | 25 | 29 | -1 | -35 | -33 | -36 | -37 | -21 | -34 | -32 | -34 | -35 |
| 47 | 25 | 49 | 0 | -35 | -34 | -36 | -36 | -20 | -33 | -32 | -34 | -34 |
| 48 | 26 | 9 | 2 | -35 | -33 | -36 | -36 | -20 | -33 | -32 | -34 | -34 |
| 49 | 26 | 30 | 3 | -35 | -36 | -36 | -37 | -20 | -33 | -33 | -35 | -35 |
| 0 | 26 | 50 | 5 | -34 | -34 | -35 | -36 | -20 | -34 | -32 | -35 | -35 |
| 51 | 27 | 11 | 7 | -35 | -34 | -36 | -38 | -15 | -34 | -33 | -34 | -34 |
| 52 | 27 | 11 | 16 | -34 | -34 | -35 | -37 | -14 | -34 | -32 | -34 | -34 |
| 53 | 30 | 13 | 18 | -35 | -34 | -36 | -38 | -13 | -34 | -33 | -34 | -34 |
| 54 | 30 | 33 | 19 | -34 | -34 | -35 | -36 | -13 | -34 | -32 | -34 | -34 |
| 55 | 34 | 34 | 28 | -34 | -34 | -37 | -38 | -4 | -34 | -32 | -34 | -34 |
| 56 | 34 | 54 | 28 | -35 | -34 | -36 | -38 | -3 | -34 | -32 | -34 | -34 |
| 57 | 35 | 15 | 29 | -35 | -34 | -36 | -38 | -2 | -34 | -32 | -35 | -35 |
| 58 | 35 | 16 | 29 | -35 | -34 | -36 | -38 | -2 | -34 | -32 | -35 | -34 |
| 59 | 39 | 4 | 35 | -35 | -35 | -38 | -37 | 2 | -34 | -32 | -35 | -35 |
| 0 | 39 | 24 | 35 | -35 | -35 | -37 | -37 | 3 | -33 | -34 | -35 | -34 |
| 51 | 39 | 45 | 36 | -35 | -35 | -37 | -37 | 3 | -33 | -34 | -35 | -34 |
| 62 | 40 | 6 | 36 | -34 | -35 | -38 | -38 | 4 | -33 | -34 | -35 | -34 |
| 63 | 43 | 34 | 43 | -36 | -34 | -39 | -38 | 7 | -33 | -33 | -36 | -34 |
| 64 | 44 | 54 | 41 | -35 | -35 | -38 | -37 | 8 | -32 | -33 | -36 | -34 |
| 65 | 44 | 15 | 41 | -35 | -35 | -38 | -37 | 8 | -32 | -33 | -35 | -34 |
| 66 | 44 | 36 | 45 | -35 | -34 | -39 | -38 | 8 | -32 | -34 | -35 | -35 |
| 67 | 48 | 4 | 45 | -35 | -34 | -38 | -38 | 12 | -32 | -34 | -35 | -35 |
| 68 | 52 | 36 | 48 | -35 | -36 | -38 | -38 | 15 | -32 | -33 | -35 | -35 |
| 69 | 52 | 55 | 49 | -35 | -34 | -38 | -38 | 15 | -32 | -33 | -35 | -34 |
| 0 | 52 | 16 | 49 | -36 | -35 | -38 | -36 | 15 | -33 | -33 | -36 | -34 |
| 71 | 52 | 7 | 49 | -35 | -35 | -36 | -38 | 16 | -32 | -32 | -35 | -35 |
| 72 | 53 | 58 | 49 | -35 | -35 | -38 | -38 | 16 | -32 | -32 | -34 | -36 |
| 73 | 54 | 18 | 50 | -36 | -35 | -39 | -38 | 17 | -32 | -32 | -35 | -36 |
| 74 | 54 | 39 | 49 | -35 | -35 | -39 | -38 | 17 | -32 | -34 | -36 | -34 |
| 75 | 55 | 0 | 49 | -35 | -35 | -39 | -38 | 17 | -32 | -32 | -36 | -36 |
| 76 | 55 | 28 | 50 | -36 | -35 | -36 | -38 | 17 | -32 | -32 | -35 | -36 |
| 77 | 55 | 42 | 50 | -36 | -35 | -38 | -38 | 18 | -32 | -32 | -35 | -35 |
| 78 | 56 | 2 | 51 | -35 | -35 | -38 | -38 | 18 | -32 | -32 | -35 | -35 |
| 79 | 56 | 23 | 51 | -36 | -35 | -38 | -38 | 18 | -32 | -32 | -35 | -35 |
| 0 | 56 | 44 | 51 | -35 | -35 | -39 | -38 | 18 | -31 | -32 | -35 | -36 |
| 81 | 57 | 5 | 51 | -35 | -35 | -39 | -38 | 18 | -33 | -32 | -35 | -36 |
| 82 | 57 | 25 | 51 | -36 | -35 | -39 | -38 | 18 | -32 | -32 | -35 | -36 |
| 83 | 57 | 46 | 52 | -36 | -35 | -37 | -38 | 18 | -33 | -31 | -35 | -36 |
| 84 | 58 | 7 | 52 | -36 | -36 | -39 | -38 | 18 | -34 | -31 | -35 | -36 |
| 85 | 58 | 27 | 52 | -35 | -35 | -38 | -38 | 19 | -34 | -30 | -35 | -35 |
| 86 | 58 | 48 | 52 | -36 | -35 | -38 | -39 | 19 | -36 | -30 | -36 | -35 |
| 87 | 59 | 9 | 53 | -36 | -35 | -39 | -38 | 19 | -36 | -30 | -36 | -35 |
| 88 | 59 | 29 | 53 | -36 | -35 | -39 | -38 | 19 | -36 | -30 | -36 | -35 |
| 89 | 59 | 50 | 53 | -36 | -35 | -39 | -38 | 19 | -36 | -30 | -36 | -35 |
| 0 | 60 | 10 | 53 | -36 | -36 | -39 | -38 | 19 | -36 | -30 | -36 | -35 |
| 91 | 60 | 31 | 53 | -36 | -36 | -39 | -38 | 19 | -36 | -30 | -36 | -35 |
| 92 | 60 | 52 | 53 | -36 | -36 | -39 | -38 | 20 | -36 | -28 | -34 | -35 |
| 93 | 61 | 12 | 54 | -37 | -36 | -39 | -38 | 20 | -36 | -28 | -34 | -35 |
| 94 | 61 | 33 | 54 | -36 | -36 | -39 | -38 | 20 | -36 | -28 | -34 | -35 |
| 95 | 61 | 53 | 54 | -37 | -36 | -39 | -38 | 19 | -36 | -28 | -34 | -35 |

| -01 SWEEP COUNT | 3-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR BOX OIL TEMP DEG.C | 5-16 MAIN G.BOX COOLER INLET OIL DEG.C | 5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C | 5-18 INTER. GEAR BOX OIL TEMP DEG.C | 5-19 TAIL GEAR BOX OIL TEMP DEG.C | 5-20 SEN.1 MASS TEMP DEG.C | 5-21 FUEL TEMP. TO COMBST HEATER DEG.C | 5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C | 5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C | 5-24 L.ELEC COMPT BTM LFT AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|--|---|---|---|--|--|---|---|--|
| 96 | 62 | 14 | 54 | -36 | -36 | -38 | -38 | 20 | -16 | -26 | -34 | -34 |
| 97 | 62 | 34 | 56 | -36 | -36 | -39 | -39 | 20 | -19 | -27 | -34 | -35 |
| 98 | 62 | 55 | 54 | -38 | -38 | -38 | -38 | 28 | -15 | -26 | -33 | -34 |
| 99 | 63 | 15 | 54 | -38 | -36 | -39 | -40 | 20 | -17 | -27 | -34 | -34 |
| 100 | 63 | 36 | 54 | -38 | -36 | -38 | -39 | 21 | -14 | -24 | -32 | -34 |
| 101 | 63 | 57 | 55 | -37 | -37 | -39 | -39 | 21 | -18 | -26 | -32 | -34 |
| 102 | 64 | 17 | 54 | -36 | -37 | -39 | -39 | 21 | -14 | -24 | -33 | -32 |
| 103 | 64 | 38 | 55 | -38 | -37 | -39 | -39 | 22 | -12 | -23 | -32 | -34 |
| 104 | 64 | 58 | 55 | -37 | -36 | -39 | -34 | 22 | -10 | -24 | -33 | -34 |
| 105 | 65 | 19 | 55 | -37 | -36 | -39 | -36 | 22 | -12 | -23 | -33 | -32 |
| 106 | 65 | 40 | 56 | -37 | -36 | -39 | -39 | 22 | -13 | -23 | -33 | -32 |
| 107 | 66 | 0 | 54 | -36 | -36 | -39 | -39 | 22 | -10 | -22 | -32 | -32 |
| 108 | 66 | 21 | 56 | -36 | -36 | -39 | -39 | 22 | -10 | -22 | -31 | -33 |
| 109 | 66 | 41 | 56 | -36 | -36 | -39 | -38 | 23 | -5 | -22 | -31 | -33 |
| 110 | 67 | 2 | 54 | -36 | -36 | -38 | -38 | 23 | -13 | -22 | -31 | -32 |
| 111 | 67 | 23 | 56 | -36 | -36 | -39 | -38 | 24 | -9 | -22 | -30 | -31 |
| 112 | 67 | 43 | 57 | -36 | -36 | -39 | -39 | 23 | -7 | -19 | -31 | -30 |
| 113 | 68 | 4 | 56 | -36 | -36 | -38 | -38 | 24 | -7 | -19 | -30 | -30 |
| 114 | 68 | 25 | 57 | -36 | -35 | -39 | -38 | 24 | -10 | -19 | -30 | -31 |
| 115 | 68 | 46 | 57 | -36 | -35 | -39 | -39 | 24 | -12 | -18 | -30 | -30 |
| 116 | 69 | 7 | 57 | -36 | -36 | -39 | -39 | 25 | -4 | -16 | -30 | -31 |
| 117 | 69 | 27 | 57 | -34 | -36 | -39 | -39 | 25 | -6 | -18 | -28 | -30 |
| 118 | 69 | 48 | 58 | -33 | -32 | -38 | -39 | 25 | -9 | -17 | -28 | -30 |
| 119 | 70 | 9 | 58 | -32 | -32 | -37 | -37 | 25 | -3 | -16 | -28 | -29 |
| 120 | 70 | 29 | 57 | -32 | -32 | -38 | -35 | 25 | -5 | -14 | -28 | -30 |
| 121 | 70 | 50 | 58 | -31 | -31 | -38 | -32 | 24 | -4 | -15 | -28 | -28 |
| 122 | 71 | 10 | 58 | -33 | -32 | -38 | -28 | 24 | -3 | -13 | -26 | -28 |
| 123 | 71 | 31 | 54 | -31 | -30 | -38 | -26 | 24 | -6 | -11 | -26 | -28 |
| 124 | 71 | 51 | 58 | -30 | -30 | -38 | -23 | 23 | -6 | -12 | -26 | -28 |
| 125 | 72 | 12 | 58 | -28 | -28 | -38 | -19 | 22 | -6 | -12 | -26 | -28 |
| 126 | 72 | 32 | 58 | -26 | -25 | -38 | -16 | 22 | -6 | -11 | -26 | -27 |
| 127 | 72 | 53 | 56 | -21 | -22 | -38 | -12 | 20 | -2 | -10 | -24 | -26 |
| 128 | 73 | 13 | 56 | -15 | -15 | -35 | -10 | 18 | 0 | -10 | -23 | -27 |
| 129 | 73 | 34 | 55 | -10 | -10 | -35 | -6 | 17 | -4 | -8 | -24 | -26 |
| 130 | 73 | 54 | 54 | -6 | -6 | -36 | -4 | 17 | -5 | -7 | -24 | -26 |
| 131 | 74 | 15 | 54 | -2 | -2 | -35 | -3 | 16 | -6 | -6 | -23 | -25 |
| 132 | 74 | 35 | 54 | 0 | 0 | -34 | 0 | 17 | 1 | -5 | -23 | -24 |
| 133 | 74 | 56 | 53 | 3 | 3 | -33 | 0 | 17 | 0 | -6 | -21 | -24 |
| 134 | 75 | 16 | 52 | 5 | 5 | -32 | 0 | 17 | -5 | -6 | -20 | -24 |
| 135 | 75 | 36 | 52 | 8 | 6 | -31 | 1 | 17 | -4 | -4 | -18 | -24 |
| 136 | 75 | 57 | 52 | 10 | 9 | -30 | 1 | 17 | -5 | -4 | -19 | -23 |
| 137 | 76 | 17 | 51 | 11 | 11 | -28 | 1 | 17 | -3 | -3 | -19 | -23 |
| 138 | 76 | 38 | 51 | 14 | 14 | -26 | 2 | 17 | -4 | -3 | -17 | -22 |
| 139 | 76 | 58 | 51 | 16 | 15 | -25 | 2 | 17 | 0 | -2 | -18 | -22 |
| 140 | 77 | 19 | 51 | 20 | 18 | -23 | 4 | 17 | -3 | 0 | -18 | -22 |
| 141 | 77 | 39 | 51 | 21 | 20 | -23 | 5 | 17 | -3 | -2 | -15 | -19 |
| 142 | 77 | 59 | 51 | 22 | 22 | -20 | 5 | 17 | -2 | 1 | -15 | -19 |
| 143 | 78 | 19 | 49 | 25 | 23 | -23 | 5 | 17 | -2 | 1 | -14 | -19 |
| 144 | 78 | 40 | 46 | 25 | 25 | -22 | 6 | 17 | -2 | 1 | -14 | -18 |
| 145 | 79 | 0 | 46 | 27 | 27 | -24 | 7 | 17 | -3 | 1 | -14 | -19 |

| 5-01 SLEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS SEAR BOX OIL TEMP DEG.C | 5-16 MAIN COOLER INLET OIL DEG.C | 5-17 MAIN COOLER OUTLET OIL DEG.C | 5-18 INTER. SEAR BOX OIL TEMP DEG.C | 5-19 TAIL SEAR BOX OIL TEMP DEG.C | 5-20 GEN1 MASS TEMP DEG.C | 5-21 FUEL TEMP. COMBST HEATER DEG.C | 5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C | 5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C | 5-24 L.ELEC COMPT BTMFLY AIR TEMP DEG.C |
|------------------------|----------------------|----------------------|---|---|--|---|---|---------------------------------------|--|---|---|---|
| 146 | 79 | 20 | 49 | 29 | 28 | -25 | 8 | 17 | -1 | 2 | -13 | -18 |
| 147 | 79 | 40 | 46 | 30 | 29 | -23 | 9 | 17 | -2 | 2 | -13 | -17 |
| 148 | 80 | 0 | 46 | 31 | 30 | -24 | 9 | 17 | -2 | 2 | -13 | -18 |
| 149 | 80 | 21 | 46 | 32 | 31 | -25 | 8 | 16 | -3 | 1 | -14 | -19 |
| 150 | 80 | 42 | 46 | 33 | 32 | -26 | 9 | 16 | -5 | 1 | -14 | -18 |
| 151 | 81 | 2 | 48 | 35 | 34 | -22 | 11 | 17 | -2 | 2 | -14 | -18 |
| 152 | 81 | 22 | 46 | 35 | 34 | -23 | 10 | 17 | 0 | 1 | -16 | -19 |
| 153 | 81 | 43 | 46 | 36 | 36 | -22 | 10 | 17 | -0 | 2 | -14 | -19 |
| 154 | 82 | 3 | 47 | 37 | 37 | -21 | 9 | 17 | -0 | 2 | -14 | -18 |
| 155 | 82 | 23 | 46 | 39 | 38 | -20 | 12 | 18 | -2 | 4 | -12 | -16 |
| 156 | 82 | 44 | 47 | 41 | 39 | -20 | 12 | 18 | 0 | 4 | -12 | -16 |
| 157 | 83 | 4 | 47 | 41 | 41 | -20 | 12 | 18 | 0 | 4 | -12 | -16 |
| 158 | 83 | 24 | 47 | 43 | 41 | -20 | 12 | 18 | 0 | 5 | -12 | -16 |
| 159 | 83 | 44 | 46 | 43 | 42 | -19 | 12 | 17 | -1 | 5 | -12 | -15 |
| 160 | 84 | 5 | 46 | 45 | 44 | -20 | 12 | 17 | 0 | 5 | -11 | -15 |
| 161 | 84 | 25 | 46 | 46 | 44 | -20 | 12 | 17 | 0 | 6 | -11 | -15 |
| 162 | 84 | 45 | 46 | 46 | 45 | -19 | 13 | 18 | -0 | 6 | -10 | -15 |
| 163 | 85 | 5 | 45 | 49 | 46 | -18 | 14 | 17 | 0 | 5 | -11 | -15 |
| 164 | 85 | 26 | 45 | 49 | 46 | -18 | 14 | 17 | 0 | 5 | -11 | -15 |
| 165 | 85 | 46 | 45 | 49 | 48 | -18 | 14 | 17 | 0 | 5 | -11 | -15 |
| 166 | 86 | 6 | 44 | 49 | 48 | -19 | 14 | 17 | -1 | 6 | -10 | -14 |
| 167 | 86 | 26 | 44 | 50 | 49 | -18 | 14 | 16 | 0 | 7 | -10 | -14 |
| 168 | 86 | 47 | 44 | 52 | 49 | -17 | 14 | 17 | 0 | 9 | -10 | -9 |
| 169 | 87 | 7 | 44 | 52 | 49 | -17 | 14 | 16 | -1 | 11 | -7 | -7 |
| 170 | 87 | 27 | 44 | 52 | 49 | -14 | 14 | 16 | 0 | 11 | -7 | -7 |
| 171 | 87 | 48 | 44 | 54 | 51 | -15 | 14 | 16 | 0 | 11 | -6 | -5 |
| 172 | 88 | 8 | 44 | 54 | 51 | -16 | 15 | 16 | 0 | 12 | -5 | -5 |
| 173 | 88 | 28 | 43 | 55 | 51 | -14 | 14 | 15 | 0 | 12 | -6 | -6 |
| 174 | 88 | 48 | 43 | 56 | 52 | -15 | 15 | 15 | -1 | 12 | -4 | -4 |
| 175 | 89 | 9 | 43 | 56 | 51 | -14 | 15 | 15 | 1 | 12 | -4 | -4 |
| 176 | 89 | 29 | 43 | 56 | 51 | -11 | 15 | 16 | 0 | 12 | -3 | -3 |
| 177 | 89 | 49 | 43 | 58 | 51 | -13 | 15 | 16 | 0 | 13 | -2 | -2 |
| 178 | 90 | 9 | 44 | 58 | 53 | -12 | 16 | 16 | 0 | 13 | -2 | -2 |
| 179 | 90 | 29 | 43 | 58 | 53 | -10 | 15 | 16 | 0 | 14 | -1 | -1 |
| 180 | 90 | 50 | 43 | 59 | 53 | -12 | 15 | 16 | -0 | 14 | -1 | -1 |
| 181 | 91 | 10 | 43 | 58 | 52 | -11 | 16 | 15 | -0 | 14 | -0 | -0 |
| 182 | 91 | 30 | 42 | 59 | 53 | -10 | 16 | 15 | -2 | 13 | -0 | -0 |
| 183 | 91 | 50 | 42 | 59 | 53 | -11 | 16 | 15 | -3 | 14 | -0 | -0 |
| 184 | 92 | 10 | 42 | 60 | 54 | -10 | 16 | 14 | -2 | 14 | -0 | -0 |
| 185 | 92 | 31 | 42 | 60 | 55 | -9 | 16 | 14 | -2 | 15 | 0 | 0 |
| 186 | 92 | 51 | 42 | 61 | 54 | -10 | 17 | 14 | -2 | 14 | 0 | 0 |
| 187 | 93 | 11 | 41 | 61 | 54 | -13 | 16 | 14 | -2 | 14 | 0 | 0 |
| 188 | 93 | 31 | 42 | 61 | 54 | -11 | 17 | 13 | 0 | 16 | 1 | 1 |
| 189 | 93 | 51 | 41 | 61 | 55 | -10 | 16 | 13 | -3 | 15 | 0 | 0 |
| 190 | 94 | 12 | 41 | 62 | 54 | -12 | 15 | 13 | -2 | 15 | 0 | 0 |
| 191 | 94 | 32 | 41 | 62 | 54 | -14 | 17 | 12 | -3 | 15 | 1 | 1 |
| 192 | 94 | 52 | 40 | 63 | 53 | -12 | 17 | 12 | -2 | 15 | 0 | 0 |
| 193 | 95 | 12 | 40 | 62 | 52 | -11 | 17 | 12 | -2 | 16 | 1 | 1 |
| 194 | 95 | 33 | 40 | 63 | 52 | -10 | 17 | 12 | -4 | 16 | 2 | 2 |
| 195 | 95 | 53 | 40 | 65 | 53 | -11 | 17 | 13 | -1 | 16 | 2 | 2 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR BOX OIL TEMP DEG.C | 5-16 MAIN COOLER INLET OIL TEMP DEG.C | 5-17 MAIN COOLER OUTLET OIL TEMP DEG.C | 5-18 INTER. GEAR BOX OIL TEMP DEG.C | 5-19 TAIL GEAR BOX OIL TEMP DEG.C | 5-20 SENS. MASS TEMP DEG.C | 5-21 FUEL TEMP. TO COMBST HEATER DEG.C | 5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C | 5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C | 5-24 L.ELEC COMPT BTMFT AIR TEMP DEG.C |
|-----------------|----------------|----------------|-------------------------------------|---------------------------------------|--|-------------------------------------|-----------------------------------|----------------------------|--|---|---|--|
| 196 | 96 | 13 | 40 | 65 | 54 | -12 | 17 | 13 | -0 | 15 | 2 | 3 |
| 197 | 96 | 33 | 40 | 66 | 54 | -11 | 19 | 13 | -3 | 16 | 3 | 4 |
| 198 | 96 | 54 | 41 | 66 | 54 | -11 | 18 | 14 | -3 | 16 | 2 | 4 |
| 199 | 97 | 14 | 40 | 67 | 54 | -9 | 18 | 15 | 0 | 15 | 0 | 3 |
| 200 | 97 | 34 | 40 | 68 | 54 | -10 | 18 | 14 | -2 | 15 | -3 | 4 |
| 201 | 97 | 54 | 40 | 68 | 54 | -12 | 19 | 15 | 1 | 15 | -4 | 5 |
| 202 | 98 | 14 | 40 | 68 | 54 | -8 | 18 | 15 | 0 | 15 | -4 | 5 |
| 203 | 98 | 35 | 40 | 68 | 54 | -12 | 18 | 15 | -2 | 16 | -4 | 5 |
| 204 | 98 | 55 | 40 | 68 | 55 | -12 | 18 | 14 | -4 | 15 | -4 | 6 |
| 205 | 99 | 15 | 40 | 69 | 55 | -12 | 18 | 15 | 1 | 15 | -3 | 6 |
| 206 | 99 | 35 | 39 | 68 | 55 | -10 | 19 | 15 | 0 | 15 | -2 | 6 |
| 207 | 99 | 56 | 39 | 69 | 56 | -12 | 19 | 15 | -2 | 15 | -2 | 6 |
| 208 | 100 | 16 | 40 | 69 | 55 | -12 | 19 | 15 | 0 | 16 | -2 | 7 |
| 209 | 100 | 36 | 39 | 69 | 55 | -13 | 19 | 15 | 1 | 15 | -2 | 7 |
| 210 | 100 | 56 | 39 | 70 | 56 | -12 | 19 | 15 | 0 | 15 | -1 | 7 |
| 211 | 101 | 17 | 36 | 71 | 55 | -11 | 20 | 14 | -1 | 16 | -2 | 8 |
| 212 | 101 | 37 | 40 | 70 | 53 | -11 | 20 | 15 | -1 | 15 | -1 | 8 |
| 213 | 101 | 57 | 36 | 70 | 55 | -12 | 20 | 15 | 1 | 15 | -1 | 8 |
| 214 | 102 | 17 | 40 | 71 | 54 | -11 | 20 | 15 | 0 | 15 | -0 | 8 |
| 215 | 102 | 38 | 39 | 71 | 54 | -11 | 20 | 15 | -2 | 15 | -0 | 8 |
| 216 | 102 | 58 | 40 | 70 | 55 | -11 | 19 | 15 | 1 | 15 | -0 | 7 |
| 217 | 103 | 18 | 40 | 71 | 56 | -11 | 20 | 15 | 1 | 16 | 0 | 8 |
| 218 | 103 | 39 | 40 | 71 | 56 | -11 | 20 | 15 | -2 | 15 | 0 | 9 |
| 219 | 103 | 59 | 40 | 70 | 55 | -13 | 20 | 14 | 1 | 15 | 0 | 8 |
| 220 | 104 | 19 | 40 | 71 | 55 | -13 | 20 | 15 | 0 | 16 | 0 | 8 |
| 221 | 104 | 39 | 40 | 72 | 55 | -12 | 20 | 15 | 0 | 17 | 0 | 9 |
| 222 | 105 | 0 | 39 | 72 | 54 | -13 | 21 | 15 | 1 | 16 | 0 | 9 |
| 223 | 105 | 20 | 40 | 72 | 55 | -16 | 22 | 15 | 0 | 16 | 0 | 9 |
| 224 | 105 | 40 | 40 | 71 | 55 | -16 | 21 | 15 | -2 | 15 | 0 | 9 |
| 225 | 106 | 0 | 40 | 72 | 56 | -16 | 22 | 15 | 1 | 16 | 0 | 9 |
| 226 | 106 | 20 | 40 | 72 | 56 | -16 | 21 | 15 | 0 | 16 | 1 | 9 |
| 227 | 106 | 41 | 40 | 72 | 56 | -16 | 22 | 15 | -0 | 16 | 1 | 10 |
| 228 | 107 | 1 | 40 | 72 | 56 | -16 | 23 | 15 | 1 | 16 | 1 | 10 |
| 229 | 107 | 21 | 40 | 73 | 56 | -15 | 22 | 15 | 0 | 16 | 1 | 10 |
| 230 | 107 | 41 | 40 | 73 | 57 | -16 | 22 | 14 | 0 | 17 | 1 | 11 |
| 231 | 108 | 1 | 40 | 73 | 56 | -17 | 21 | 14 | 0 | 16 | 1 | 11 |
| 232 | 108 | 22 | 40 | 73 | 55 | -18 | 22 | 14 | 0 | 17 | 1 | 11 |
| 233 | 108 | 42 | 40 | 73 | 55 | -18 | 20 | 14 | 0 | 16 | 2 | 11 |
| 234 | 109 | 2 | 40 | 73 | 57 | -19 | 21 | 14 | 1 | 16 | 2 | 11 |
| 235 | 109 | 22 | 40 | 73 | 56 | -20 | 22 | 14 | -1 | 17 | 2 | 11 |
| 236 | 109 | 42 | 40 | 73 | 56 | -16 | 22 | 14 | 1 | 17 | 2 | 12 |
| 237 | 110 | 2 | 40 | 73 | 57 | -19 | 22 | 13 | 1 | 17 | 3 | 12 |
| 238 | 110 | 22 | 40 | 73 | 57 | -19 | 22 | 12 | -2 | 17 | 3 | 12 |
| 239 | 110 | 42 | 40 | 73 | 57 | -19 | 22 | 12 | 0 | 17 | 4 | 12 |
| 240 | 111 | 2 | 39 | 74 | 57 | -21 | 22 | 12 | 1 | 17 | 4 | 12 |
| 241 | 111 | 22 | 40 | 74 | 57 | -19 | 21 | 11 | -1 | 17 | 3 | 11 |
| 242 | 111 | 41 | 39 | 75 | 56 | -19 | 21 | 11 | 0 | 17 | 3 | 11 |
| 243 | 112 | 3 | 36 | 75 | 56 | -19 | 21 | 11 | 0 | 18 | 3 | 12 |
| 244 | 112 | 23 | 39 | 75 | 56 | -19 | 22 | 11 | -1 | 18 | 4 | 13 |
| 245 | 112 | 43 | 36 | 75 | 57 | -20 | 22 | 10 | -2 | 17 | 4 | 12 |

| -01 SPEED COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS SEAR BOX OIL TEMP DEG.C | 5-16 MAIN COOLER INLET OIL DEG.C | 5-17 MAIN COOLER OUTLET OIL DEG.C | 5-18 INTER. SEAR BOX OIL TEMP DEG.C | 5-19 TAIL SEAR BOX OIL TEMP DEG.C | 5-20 GEN.1 MASS TEMP DEG.C | 5-21 FUEL TEMP. COMBST HEATER DEG.C | 5-22 L.ELEC COMPT TOPSTR AIR TEMP DEG.C | 5-23 L.ELEC COMPT BTM RI AIR TEMP DEG.C | 5-24 L.ELEC COMPT BTM LFI AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|--|--|---|---|--|
| 246 | 113 | 3 | 39 | 75 | 57 | -20 | 22 | 10 | 0 | 17 | 4 | 12 |
| 247 | 113 | 23 | 39 | 74 | 57 | -20 | 23 | 10 | 0 | 18 | 4 | 12 |
| 248 | 113 | 43 | 39 | 75 | 54 | -20 | 22 | 10 | 0 | 18 | 4 | 13 |
| 249 | 114 | 3 | 39 | 75 | 57 | -21 | 22 | 9 | -1 | 17 | 4 | 13 |
| 250 | 114 | 23 | 39 | 75 | 56 | -22 | 21 | 9 | -1 | 17 | 4 | 12 |
| 251 | 114 | 43 | 39 | 75 | 57 | -22 | 21 | 9 | 0 | 17 | 5 | 13 |
| 252 | 115 | 3 | 39 | 75 | 57 | -21 | 21 | 9 | 0 | 18 | 5 | 13 |
| 253 | 115 | 23 | 39 | 75 | 57 | -22 | 21 | 8 | -3 | 18 | 5 | 12 |
| 254 | 115 | 43 | 39 | 76 | 57 | -21 | 21 | 9 | 0 | 18 | 5 | 12 |
| 255 | 116 | 3 | 39 | 75 | 56 | -22 | 21 | 8 | -0 | 18 | 5 | 13 |
| 256 | 116 | 23 | 39 | 75 | 57 | -22 | 21 | 8 | -2 | 18 | 5 | 13 |
| 257 | 116 | 43 | 39 | 75 | 57 | -22 | 21 | 8 | 7 | 17 | 5 | 13 |
| 258 | 117 | 3 | 39 | 75 | 56 | -22 | 21 | 7 | 0 | 18 | 5 | 13 |
| 259 | 117 | 23 | 38 | 75 | 56 | -22 | 21 | 8 | -3 | 18 | 5 | 13 |
| 260 | 117 | 43 | 38 | 75 | 56 | -23 | 21 | 8 | 0 | 18 | 5 | 13 |
| 261 | 118 | 3 | 38 | 76 | 57 | -22 | 22 | 7 | -0 | 18 | 5 | 13 |
| 262 | 118 | 23 | 38 | 76 | 57 | -22 | 22 | 7 | 0 | 18 | 5 | 13 |
| 263 | 118 | 43 | 37 | 75 | 57 | -21 | 21 | 7 | 0 | 18 | 5 | 13 |
| 264 | 119 | 3 | 38 | 75 | 57 | -21 | 22 | 6 | -0 | 18 | 6 | 13 |
| 265 | 119 | 23 | 37 | 76 | 57 | -21 | 22 | 7 | 1 | 18 | 6 | 12 |
| 266 | 119 | 43 | 39 | 75 | 56 | -22 | 21 | 7 | -1 | 18 | 5 | 14 |
| 267 | 120 | 3 | 37 | 75 | 57 | -21 | 22 | 7 | 0 | 19 | 5 | 13 |
| 268 | 120 | 23 | 37 | 75 | 57 | -22 | 22 | 7 | -1 | 18 | 5 | 13 |
| 269 | 120 | 43 | 37 | 75 | 57 | -22 | 21 | 7 | 0 | 18 | 5 | 13 |
| 270 | 121 | 3 | 37 | 75 | 57 | -22 | 22 | 6 | 0 | 18 | 5 | 13 |
| 271 | 121 | 23 | 36 | 75 | 57 | -22 | 21 | 6 | -0 | 18 | 5 | 13 |
| 272 | 121 | 44 | 36 | 75 | 56 | -22 | 21 | 6 | 1 | 18 | 5 | 13 |
| 273 | 122 | 4 | 36 | 75 | 56 | -23 | 21 | 6 | 1 | 18 | 5 | 13 |
| 274 | 122 | 24 | 36 | 75 | 56 | -23 | 21 | 6 | -1 | 19 | 5 | 13 |
| 275 | 122 | 45 | 36 | 75 | 56 | -23 | 21 | 7 | 0 | 18 | 6 | 13 |
| 276 | 123 | 5 | 36 | 75 | 57 | -23 | 21 | 7 | 0 | 18 | 5 | 13 |
| 277 | 123 | 25 | 36 | 74 | 56 | -23 | 21 | 6 | 0 | 19 | 6 | 12 |
| 278 | 123 | 45 | 35 | 74 | 55 | -22 | 20 | 6 | -2 | 19 | 5 | 11 |
| 279 | 124 | 6 | 35 | 73 | 56 | -22 | 21 | 5 | 1 | 19 | 5 | 11 |
| 280 | 124 | 26 | 35 | 74 | 56 | -23 | 20 | 5 | -1 | 18 | 5 | 12 |
| 281 | 124 | 47 | 34 | 74 | 56 | -23 | 20 | 5 | 0 | 18 | 5 | 12 |
| 282 | 125 | 7 | 35 | 73 | 57 | -23 | 20 | 5 | 1 | 18 | 5 | 12 |
| 283 | 125 | 28 | 39 | 74 | 56 | -23 | 20 | 5 | 0 | 19 | 6 | 13 |
| 284 | 125 | 49 | 35 | 73 | 56 | -24 | 20 | 5 | -0 | 18 | 5 | 12 |
| 285 | 126 | 9 | 35 | 73 | 56 | -24 | 20 | 6 | 1 | 19 | 6 | 12 |
| 286 | 126 | 30 | 35 | 73 | 57 | -23 | 20 | 5 | 0 | 19 | 6 | 12 |
| 287 | 126 | 50 | 35 | 73 | 56 | -22 | 20 | 5 | -2 | 19 | 6 | 13 |
| 288 | 127 | 11 | 34 | 73 | 56 | -24 | 19 | 5 | 1 | 14 | 6 | 13 |
| 289 | 127 | 31 | 34 | 73 | 57 | -24 | 19 | 5 | -0 | 18 | 5 | 13 |
| 290 | 127 | 52 | 34 | 73 | 56 | -24 | 19 | 5 | 1 | 19 | 6 | 13 |
| 291 | 128 | 12 | 34 | 73 | 56 | -24 | 19 | 5 | 0 | 18 | 6 | 13 |
| 292 | 128 | 33 | 33 | 73 | 56 | -24 | 19 | 5 | 0 | 19 | 6 | 13 |
| 293 | 128 | 53 | 33 | 73 | 56 | -24 | 19 | 5 | 0 | 19 | 6 | 13 |
| 294 | 129 | 14 | 33 | 73 | 56 | -24 | 19 | 4 | 1 | 18 | 7 | 14 |
| 295 | 129 | 34 | 32 | 73 | 57 | -24 | 13 | 4 | -0 | 19 | 6 | 13 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS SEAR BOX OIL TEMP DEG.C | 5-16 MAIN COOLER INLET OIL DEG.C | 5-17 MAIN COOLER OUTLET OIL DEG.C | 5-18 INTER. SEAR BOX OIL TEMP DEG.C | 5-19 TAIL SEAR BOX OIL TEMP DEG.C | 5-20 GEN.1 MASS TEMP DEG.C | 5-21 FUEL TEMP. TO COMBST HEATER DEG.C | 5-22 L.ELEC COMPT TOPCYR AIR TEMP DEG.C | 5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C | 5-24 L.ELEC COMPT BTM LFT AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|--|--|---|---|--|
| 296 | 129 | 55 | 33 | 73 | 56 | -24 | 19 | 4 | 1 | 19 | 7 | 14 |
| 297 | 130 | 16 | 32 | 73 | 56 | -24 | 19 | 4 | 1 | 19 | 7 | 14 |
| 298 | 130 | 36 | 33 | 73 | 57 | -24 | 19 | 4 | 0 | 20 | 7 | 14 |
| 299 | 130 | 57 | 33 | 73 | 57 | -25 | 19 | 4 | 0 | 19 | 6 | 14 |
| 300 | 131 | 17 | 33 | 73 | 56 | -24 | 18 | 4 | 0 | 20 | 7 | 14 |
| 301 | 131 | 38 | 32 | 73 | 56 | -24 | 19 | 4 | 0 | 19 | 7 | 14 |
| 302 | 131 | 58 | 32 | 73 | 56 | -24 | 18 | 4 | 1 | 19 | 7 | 14 |
| 303 | 132 | 19 | 32 | 73 | 56 | -25 | 18 | 4 | 1 | 19 | 7 | 14 |
| 304 | 132 | 39 | 32 | 73 | 56 | -24 | 18 | 4 | -0 | 19 | 6 | 14 |
| 305 | 133 | 0 | 32 | 72 | 56 | -26 | 18 | 4 | -1 | 19 | 7 | 14 |
| 306 | 133 | 20 | 32 | 72 | 56 | -25 | 18 | 4 | 0 | 19 | 8 | 14 |
| 307 | 133 | 41 | 32 | 72 | 56 | -25 | 18 | 4 | 0 | 19 | 8 | 13 |
| 308 | 134 | 1 | 32 | 72 | 56 | -24 | 18 | 3 | 0 | 19 | 8 | 14 |
| 309 | 134 | 22 | 31 | 72 | 56 | -24 | 19 | 4 | 1 | 20 | 8 | 14 |
| 310 | 134 | 42 | 31 | 72 | 56 | -24 | 18 | 4 | 0 | 20 | 8 | 15 |
| 311 | 135 | 2 | 32 | 73 | 56 | -25 | 18 | 4 | 2 | 20 | 9 | 15 |
| 312 | 135 | 22 | 32 | 73 | 57 | -24 | 18 | 4 | 0 | 20 | 8 | 15 |
| 313 | 135 | 42 | 33 | 73 | 56 | -25 | 18 | 4 | 0 | 20 | 8 | 15 |
| 314 | 136 | 2 | 32 | 73 | 56 | -25 | 19 | 4 | 0 | 20 | 8 | 15 |
| 315 | 136 | 22 | 32 | 73 | 56 | -24 | 19 | 4 | 2 | 20 | 8 | 16 |
| 316 | 136 | 43 | 32 | 73 | 56 | -24 | 19 | 4 | 1 | 21 | 9 | 16 |
| 317 | 137 | 3 | 32 | 73 | 56 | -24 | 19 | 5 | -0 | 20 | 9 | 16 |
| 318 | 137 | 23 | 32 | 73 | 56 | -24 | 19 | 5 | 1 | 20 | 9 | 16 |
| 319 | 137 | 43 | 32 | 73 | 56 | -24 | 18 | 4 | 1 | 20 | 9 | 16 |
| 320 | 138 | 3 | 32 | 73 | 56 | -24 | 18 | 5 | 1 | 20 | 9 | 16 |
| 321 | 138 | 23 | 32 | 73 | 56 | -24 | 19 | 5 | 2 | 21 | 9 | 17 |
| 322 | 138 | 43 | 32 | 73 | 56 | -24 | 19 | 5 | 1 | 21 | 9 | 16 |
| 323 | 139 | 2 | 32 | 73 | 56 | -24 | 19 | 5 | -0 | 20 | 9 | 16 |
| 324 | 139 | 23 | 32 | 73 | 57 | -23 | 19 | 5 | 2 | 20 | 9 | 16 |
| 325 | 139 | 43 | 32 | 73 | 57 | -24 | 19 | 5 | 0 | 20 | 9 | 16 |
| 326 | 140 | 2 | 32 | 72 | 57 | -24 | 19 | 5 | 0 | 18 | 8 | 12 |
| 327 | 140 | 23 | 32 | 72 | 57 | -24 | 19 | 5 | 2 | 18 | 7 | 4 |
| 328 | 140 | 43 | 32 | 73 | 56 | -22 | 17 | 4 | 2 | 12 | 4 | 2 |
| 329 | 141 | 3 | 33 | 74 | 56 | -20 | 15 | 5 | 0 | 9 | 2 | -2 |
| 330 | 141 | 23 | 33 | 74 | 56 | -20 | 15 | 5 | 3 | 9 | 2 | -2 |
| 331 | 141 | 47 | 33 | 74 | 57 | -19 | 15 | 5 | 1 | 9 | 2 | -2 |
| 332 | 142 | 2 | 33 | 73 | 56 | -17 | 16 | 5 | -1 | 9 | 0 | -7 |
| 333 | 142 | 22 | 31 | 73 | 56 | -16 | 15 | 5 | 2 | 7 | 0 | -7 |
| 334 | 142 | 42 | 31 | 72 | 56 | -16 | 15 | 5 | 2 | 6 | 0 | -6 |
| 335 | 143 | 1 | 33 | 72 | 58 | -16 | 15 | 5 | 1 | 6 | -1 | -10 |
| 336 | 143 | 21 | 32 | 71 | 56 | -17 | 15 | 5 | 2 | 7 | -4 | -11 |
| 337 | 143 | 41 | 32 | 71 | 56 | -17 | 14 | 5 | 2 | 7 | -5 | -11 |
| 338 | 144 | 1 | 30 | 70 | 56 | -17 | 14 | 4 | 0 | 5 | -6 | -10 |
| 339 | 144 | 21 | 31 | 70 | 56 | -18 | 13 | 5 | 0 | 5 | -6 | -9 |
| 340 | 144 | 40 | 30 | 69 | 56 | -19 | 13 | 3 | 0 | 5 | -6 | -9 |
| 341 | 145 | 0 | 29 | 69 | 56 | -19 | 12 | 4 | -2 | 3 | -4 | -9 |
| 342 | 145 | 20 | 29 | 69 | 56 | -20 | 12 | 3 | 0 | 3 | -6 | -9 |
| 343 | 145 | 40 | 30 | 69 | 56 | -19 | 12 | 2 | -2 | 1 | -6 | -12 |
| 344 | 146 | 0 | 29 | 69 | 56 | -20 | 11 | 2 | -0 | 0 | -9 | -14 |
| 345 | 146 | 19 | 29 | 69 | 55 | -20 | 11 | 2 | -0 | 0 | -9 | -16 |

| 5-1 SHEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR BOX OIL TEMP DEG.C | 5-16 MAIN COOLER INLET OIL TEMP DEG.C | 5-17 MAIN G. BOX COOLER OUTLET OIL TEMP DEG.C | 5-18 INTER. GEAR BOX OIL TEMP DEG.C | 5-19 TAIL GEAR BOX OIL TEMP DEG.C | 5-20 GEN. 1 MASS TEMP DEG.C | 5-21 FUEL TEMP. TO COMBST HEATER DEG.C | 5-22 L. ELEC COMPT TOPCTR AIR TEMP DEG.C | 5-23 L. ELEC COMPT RTM RT AIR TEMP DEG.C | 5-24 L. ELEC COMPT RTMFLT AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|---|--|--|--|--|
| 346 | 146 | 39 | 28 | 70 | 56 | -19 | 12 | 2 | -4 | 0 | -10 | -15 |
| 347 | 146 | 59 | 28 | 69 | 56 | -20 | 11 | 1 | -3 | -1 | -10 | -15 |
| 348 | 147 | 19 | 27 | 70 | 57 | -20 | 11 | 1 | -4 | -2 | -12 | -18 |
| 349 | 147 | 39 | 27 | 70 | 56 | -22 | 10 | 1 | -6 | -3 | -11 | -18 |
| 350 | 147 | 59 | 27 | 71 | 56 | -22 | 9 | 0 | -7 | -4 | -11 | -19 |
| 351 | 148 | 19 | 27 | 71 | 57 | -23 | 8 | 0 | -7 | -6 | -12 | -19 |
| 352 | 148 | 38 | 27 | 72 | 57 | -24 | 9 | 0 | -6 | -4 | -12 | -20 |
| 353 | 148 | 58 | 26 | 71 | 55 | -24 | 9 | 0 | -7 | -4 | -12 | -20 |
| 354 | 149 | 18 | 25 | 72 | 56 | -22 | 9 | 0 | -8 | -3 | -12 | -20 |
| 355 | 149 | 37 | 26 | 72 | 57 | -22 | 9 | 0 | -7 | -3 | -12 | -19 |
| 356 | 149 | 57 | 25 | 71 | 56 | -22 | 9 | 1 | -4 | -4 | -13 | -20 |
| 357 | 150 | 17 | 25 | 71 | 56 | -22 | 9 | 0 | -6 | -4 | -14 | -20 |
| 358 | 150 | 37 | 25 | 71 | 56 | -22 | 9 | 0 | -8 | -4 | -14 | -20 |
| 359 | 150 | 57 | 25 | 71 | 56 | -22 | 8 | 0 | -5 | -5 | -14 | -20 |
| 360 | 151 | 16 | 25 | 70 | 56 | -21 | 9 | 0 | -6 | -6 | -15 | -20 |
| 361 | 151 | 36 | 25 | 71 | 55 | -22 | 9 | 0 | -8 | -5 | -15 | -21 |
| 362 | 151 | 56 | 24 | 71 | 55 | -21 | 8 | 0 | -6 | -6 | -15 | -20 |
| 363 | 152 | 16 | 24 | 70 | 55 | -21 | 8 | 0 | -7 | -6 | -15 | -20 |
| 364 | 152 | 35 | 25 | 71 | 57 | -20 | 8 | 0 | -7 | -6 | -15 | -21 |
| 365 | 152 | 55 | 24 | 70 | 56 | -22 | 8 | -0 | -6 | -6 | -15 | -22 |
| 366 | 153 | 15 | 25 | 71 | 56 | -22 | 8 | -0 | -6 | -8 | -17 | -22 |
| 367 | 153 | 35 | 24 | 70 | 56 | -22 | 8 | -0 | -7 | -7 | -16 | -22 |
| 368 | 153 | 54 | 25 | 71 | 56 | -22 | 8 | -0 | -6 | -6 | -17 | -23 |
| 369 | 154 | 14 | 25 | 70 | 56 | -22 | 8 | -0 | -8 | -5 | -18 | -23 |
| 370 | 154 | 34 | 24 | 70 | 56 | -22 | 8 | -1 | -6 | -7 | -18 | -22 |
| 371 | 154 | 54 | 23 | 69 | 56 | -22 | 8 | 0 | -6 | -6 | -18 | -22 |
| 372 | 155 | 13 | 24 | 69 | 55 | -22 | 8 | -1 | -7 | -6 | -18 | -21 |
| 373 | 155 | 33 | 23 | 69 | 55 | -22 | 8 | -1 | -7 | -7 | -18 | -21 |
| 374 | 155 | 53 | 23 | 69 | 56 | -22 | 8 | -0 | -8 | -7 | -17 | -20 |
| 375 | 156 | 13 | 23 | 69 | 55 | -21 | 7 | -0 | -7 | -6 | -17 | -20 |
| 376 | 156 | 32 | 23 | 69 | 55 | -21 | 8 | -0 | -6 | -7 | -18 | -20 |
| 377 | 156 | 52 | 23 | 69 | 55 | -21 | 8 | -0 | -7 | -6 | -18 | -20 |
| 378 | 157 | 12 | 23 | 68 | 55 | -20 | 8 | 0 | -5 | -6 | -18 | -19 |
| 379 | 157 | 32 | 23 | 69 | 54 | -20 | 8 | 0 | -5 | -6 | -17 | -19 |
| 380 | 157 | 51 | 23 | 69 | 54 | -20 | 8 | 0 | -5 | -6 | -17 | -19 |
| 381 | 158 | 11 | 24 | 69 | 55 | -19 | 8 | 0 | -5 | -6 | -16 | -19 |
| 382 | 158 | 31 | 23 | 69 | 54 | -19 | 9 | 0 | -6 | -6 | -16 | -19 |
| 383 | 158 | 50 | 24 | 68 | 55 | -18 | 9 | 0 | -6 | -6 | -16 | -18 |
| 384 | 158 | 10 | 24 | 68 | 55 | -18 | 9 | 0 | -8 | -4 | -16 | -18 |
| 385 | 159 | 30 | 23 | 68 | 55 | -18 | 9 | 0 | -5 | -5 | -16 | -18 |
| 386 | 159 | 49 | 24 | 69 | 56 | -19 | 9 | 0 | -5 | -5 | -17 | -20 |
| 387 | 160 | 9 | 23 | 68 | 55 | -20 | 8 | 0 | -4 | -5 | -17 | -22 |
| 388 | 160 | 29 | 24 | 68 | 55 | -20 | 8 | 0 | -6 | -5 | -17 | -22 |
| 389 | 160 | 48 | 23 | 68 | 56 | -20 | 8 | 0 | -5 | -5 | -18 | -23 |
| 390 | 161 | 8 | 23 | 68 | 56 | -21 | 8 | 0 | -4 | -6 | -18 | -23 |
| 391 | 161 | 28 | 23 | 68 | 56 | -22 | 7 | -0 | -6 | -6 | -18 | -23 |
| 392 | 161 | 47 | 23 | 68 | 56 | -22 | 8 | -1 | -6 | -7 | -19 | -24 |
| 393 | 162 | 7 | 23 | 68 | 56 | -22 | 8 | -1 | -5 | -6 | -19 | -23 |
| 394 | 162 | 26 | 23 | 68 | 56 | -22 | 7 | -1 | -6 | -6 | -19 | -23 |
| 395 | 163 | 10 | 23 | 68 | 56 | -22 | 7 | -1 | -6 | -6 | -20 | -24 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ADDRESS SEAR OIL TEMP DEG.C | 5-16 MAIN COOLER INLET OIL DEG.C | 5-17 MAIN COOLER OUTLET OIL DEG.C | 5-18 INTER. SEAR BOX OIL TEMP DEG.C | 5-19 TAIL SEAR BOX OIL TEMP DEG.C | 5-20 GEN.1 MASS TEMP DEG.C | 5-21 FUEL TEMP. COMBST HEATER DEG.C | 5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C | 5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C | 5-24 L.ELEC COMPT BTMFLY AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|--|--|---|---|---|
| 396 | 163 | 50 | 23 | 69 | 56 | -22 | 7 | -2 | -7 | -6 | -19 | -24 |
| 397 | 164 | 10 | 22 | 66 | 56 | -22 | 7 | -1 | -6 | -7 | -20 | -24 |
| 398 | 166 | 58 | 22 | 66 | 56 | -20 | 7 | -2 | -7 | -7 | -20 | -23 |
| 399 | 167 | 18 | 22 | 68 | 55 | -20 | 7 | -2 | -4 | -7 | -20 | -23 |
| 400 | 167 | 38 | 23 | 68 | 55 | -20 | 8 | -1 | -6 | -7 | -20 | -23 |
| 401 | 169 | 32 | 22 | 69 | 55 | -20 | 8 | -1 | 0 | -5 | -19 | -22 |
| 402 | 172 | 6 | 24 | 69 | 54 | -19 | 11 | 1 | -3 | 2 | -17 | -8 |
| 403 | 172 | 26 | 24 | 68 | 55 | -18 | 11 | 2 | -3 | 3 | -6 | -7 |
| 404 | 172 | 46 | 24 | 67 | 55 | -17 | 11 | 1 | -6 | 4 | -6 | -8 |
| 405 | 174 | 40 | 24 | 69 | 56 | -17 | 10 | 0 | -4 | -4 | -17 | -20 |
| 406 | 174 | 59 | 24 | 68 | 56 | -18 | 9 | 0 | -2 | -4 | -17 | -20 |
| 407 | 175 | 19 | 24 | 68 | 59 | -21 | 9 | -5 | -5 | -1 | -16 | -16 |
| 408 | 177 | 14 | 24 | 67 | 55 | -26 | 10 | 0 | -5 | 4 | -7 | -7 |
| 409 | 176 | 4 | 24 | 68 | 56 | -22 | 11 | 0 | -6 | 6 | -4 | -7 |
| 410 | 178 | 24 | 25 | 68 | 54 | -20 | 12 | 0 | -6 | 7 | -3 | -6 |
| 411 | 178 | 43 | 25 | 68 | 55 | -20 | 11 | 0 | -8 | 8 | -2 | -6 |
| 412 | 179 | 3 | 25 | 67 | 55 | -20 | 12 | 0 | -5 | 8 | -1 | -4 |
| 413 | 179 | 23 | 25 | 68 | 55 | -20 | 14 | 2 | -4 | 9 | -1 | -4 |
| 414 | 179 | 42 | 25 | 66 | 56 | -20 | 11 | 1 | -7 | 9 | 0 | -4 |
| 415 | 180 | 2 | 25 | 66 | 55 | -20 | 11 | 1 | -7 | 9 | 0 | -4 |
| 416 | 180 | 21 | 25 | 66 | 56 | -19 | 12 | 1 | -5 | 9 | 0 | -3 |
| 417 | 180 | 41 | 25 | 66 | 57 | -18 | 14 | 1 | -5 | 10 | 0 | -2 |
| 418 | 181 | 1 | 25 | 66 | 56 | -20 | 14 | 1 | -4 | 9 | 0 | -3 |
| 419 | 181 | 20 | 25 | 66 | 56 | -20 | 14 | 1 | -6 | 7 | 0 | -4 |
| 420 | 181 | 40 | 25 | 66 | 56 | -20 | 14 | 1 | -7 | 7 | 0 | -5 |
| 421 | 181 | 59 | 25 | 66 | 56 | -20 | 14 | 2 | -7 | 7 | -1 | -4 |
| 422 | 182 | 19 | 24 | 66 | 54 | -20 | 13 | 2 | -8 | 7 | -1 | -5 |
| 423 | 182 | 38 | 24 | 66 | 56 | -20 | 13 | 2 | -10 | 7 | -2 | -6 |
| 424 | 182 | 58 | 24 | 66 | 56 | -20 | 14 | 3 | -10 | 5 | -2 | -6 |
| 425 | 183 | 17 | 25 | 66 | 55 | -20 | 14 | 4 | -11 | 4 | -2 | -7 |
| 426 | 183 | 37 | 25 | 66 | 56 | -19 | 14 | 4 | -12 | 4 | -3 | -7 |
| 427 | 183 | 56 | 20 | 65 | 57 | -19 | 14 | 4 | -13 | 2 | -4 | -8 |
| 428 | 184 | 16 | 31 | 65 | 57 | -18 | 15 | 5 | -14 | 2 | -4 | -8 |
| 429 | 184 | 36 | 31 | 65 | 56 | -18 | 15 | 5 | -14 | 2 | -4 | -8 |
| 430 | 184 | 56 | 31 | 65 | 56 | -18 | 15 | 5 | -15 | 1 | -4 | -8 |
| 431 | 185 | 16 | 32 | 65 | 56 | -19 | 15 | 5 | -16 | 1 | -5 | -8 |
| 432 | 185 | 36 | 32 | 65 | 56 | -19 | 15 | 5 | -17 | 1 | -5 | -8 |
| 433 | 185 | 56 | 32 | 65 | 56 | -19 | 15 | 5 | -17 | 1 | -5 | -8 |
| 434 | 186 | 16 | 31 | 64 | 56 | -19 | 15 | 6 | -17 | 1 | -5 | -9 |
| 435 | 186 | 35 | 34 | 64 | 53 | -19 | 14 | 7 | -17 | 1 | -6 | -9 |
| 436 | 186 | 55 | 35 | 64 | 55 | -19 | 14 | 7 | -18 | 2 | -6 | -9 |
| 437 | 187 | 14 | 36 | 63 | 53 | -18 | 15 | 8 | -18 | 2 | -5 | -9 |
| 438 | 187 | 34 | 36 | 64 | 54 | -17 | 15 | 9 | -18 | 1 | -6 | -9 |
| 439 | 187 | 53 | 37 | 64 | 53 | -16 | 15 | 9 | -18 | 0 | -6 | -10 |
| 440 | 189 | 41 | 41 | 63 | 53 | -16 | 13 | 11 | -18 | 0 | -7 | -10 |
| 441 | 191 | 14 | 29 | 63 | 53 | -15 | 12 | 12 | -20 | 0 | -7 | -10 |
| 442 | 191 | 27 | 29 | 63 | 53 | -15 | 11 | 13 | -20 | 0 | -7 | -10 |
| 443 | 191 | 33 | 28 | 63 | 53 | -15 | 11 | 13 | -20 | 0 | -7 | -10 |
| 444 | 191 | 53 | 24 | 63 | 53 | -15 | 11 | 14 | -20 | 0 | -7 | -10 |
| 445 | 192 | 12 | 22 | 66 | 53 | -16 | 11 | 14 | -20 | 0 | -8 | -11 |
| 445 | 194 | 3 | 12 | 63 | 53 | -16 | 8 | 14 | -23 | 0 | -8 | -12 |

| 5-01 SLEEP COUNT | 5-02 TIME SEC. | 5-03 ACCESS BOX OIL TEMP DEG.C | 5-16 MAIN COOLER INLET OIL TEMP DEG.C | 5-17 MAIN COOLER OUTLET OIL TEMP DEG.C | 5-18 INTER. GEAR BOX OIL TEMP DEG.C | 5-19 TAIL GEAR BOX OIL TEMP DEG.C | 5-20 SEN+1 MASS TEMP DEG.C | 5-21 FUEL TO COMBST HEATER DEG.C | 5-22 L.ELEC COMPT TORCTR AIR TEMP DEG.C | 5-23 L.ELEC COMPT 9TH RT AIR TEMP DEG.C | 5-24 L.ELEC COMPT BTM LFT AIR TEMP DEG.C |
|------------------------|----------------------|---|---|--|---|---|--|---|---|---|--|
| 446 | 198 | -6 | 9 | 5 | -24 | 0 | 5 | -32 | -10 | -16 | -19 |
| 447 | 198 | -7 | 7 | 4 | -25 | -1 | 5 | -32 | -11 | -16 | -20 |
| 444 | 198 | -8 | 6 | 3 | -26 | -1 | 4 | -33 | -12 | -16 | -20 |
| 449 | 207 | -20 | -6 | -9 | -38 | -7 | 0 | -35 | -15 | -18 | -21 |
| 450 | 207 | -20 | -6 | -9 | -29 | -7 | 0 | -35 | -14 | -17 | -21 |
| 451 | 207 | -21 | -7 | -10 | -29 | -7 | -0 | -35 | -14 | -18 | -21 |
| 452 | 208 | -21 | -7 | -10 | -30 | -6 | -1 | -35 | -15 | -18 | -20 |
| 453 | 212 | -23 | -11 | -14 | -30 | -6 | -2 | -34 | -17 | -17 | -20 |
| 454 | 212 | -23 | -11 | -14 | -30 | -6 | -2 | -35 | -12 | -17 | -20 |
| 455 | 213 | -23 | -12 | -14 | -29 | -8 | -2 | -35 | -12 | -17 | -20 |
| 456 | 213 | -23 | -12 | -14 | -30 | -8 | -2 | -35 | -12 | -16 | -20 |
| 457 | 217 | -25 | -16 | -14 | -29 | -10 | -5 | -36 | -13 | -18 | -21 |
| 458 | 218 | -25 | -16 | -14 | -30 | -11 | -5 | -36 | -13 | -17 | -21 |
| 459 | 218 | -25 | -17 | -14 | -29 | -10 | -5 | -36 | -13 | -18 | -21 |
| 460 | 222 | -25 | -19 | -21 | -29 | -11 | -6 | -36 | -13 | -18 | -21 |
| 461 | 223 | -25 | -19 | -21 | -29 | -12 | -6 | -37 | -13 | -18 | -21 |
| 462 | 223 | -25 | -19 | -21 | -29 | -12 | -6 | -37 | -14 | -18 | -20 |
| 463 | 226 | -25 | -19 | -21 | -26 | -11 | -7 | -34 | -15 | -17 | -20 |
| 464 | 227 | -25 | -19 | -21 | -28 | -11 | -7 | -35 | -15 | -17 | -20 |
| 465 | 227 | -25 | -19 | -21 | -28 | -11 | -7 | -35 | -15 | -16 | -20 |
| 466 | 231 | -26 | -20 | -22 | -29 | -12 | -8 | -34 | -15 | -17 | -20 |
| 467 | 231 | -26 | -20 | -22 | -28 | -12 | -8 | -34 | -16 | -17 | -20 |
| 468 | 231 | -26 | -20 | -22 | -28 | -12 | -8 | -34 | -16 | -17 | -20 |
| 469 | 234 | -27 | -22 | -23 | -30 | -13 | -10 | -35 | -17 | -18 | -20 |
| 470 | 235 | -27 | -22 | -23 | -30 | -14 | -10 | -35 | -16 | -18 | -21 |
| 471 | 236 | -27 | -24 | -24 | -30 | -14 | -10 | -35 | -17 | -18 | -20 |
| 472 | 239 | -28 | -24 | -25 | -30 | -15 | -11 | -36 | -16 | -18 | -21 |
| 473 | 240 | -28 | -24 | -25 | -30 | -15 | -11 | -36 | -15 | -18 | -21 |
| 474 | 240 | -28 | -24 | -25 | -30 | -15 | -11 | -36 | -15 | -18 | -21 |
| 475 | 244 | -28 | -25 | -25 | -30 | -15 | -11 | -36 | -16 | -18 | -21 |
| 476 | 244 | -28 | -25 | -26 | -31 | -16 | -13 | -37 | -17 | -19 | -22 |
| 477 | 244 | -28 | -25 | -26 | -31 | -16 | -13 | -37 | -18 | -19 | -22 |
| 478 | 248 | -29 | -27 | -27 | -31 | -17 | -12 | -37 | -18 | -19 | -22 |
| 479 | 248 | -29 | -27 | -27 | -29 | -16 | -12 | -35 | -16 | -17 | -20 |
| 480 | 249 | -29 | -27 | -27 | -29 | -15 | -12 | -35 | -14 | -17 | -20 |
| 481 | 249 | -29 | -27 | -27 | -29 | -15 | -12 | -34 | -14 | -17 | -20 |

MM-53C S/M 68-10354
 ARCTIC TEST
 9 JANUARY 1971
 RUN NO. 2

-40 DEG C / -40 DEG F

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-25 | | | 5-26 | | | 5-27 | | | 5-28 | | | 5-29 | | |
|-----------------------|----------------------|----------------------|-----------------|---------------------------------|----------------------------------|-----------------|--------------------------------|-----------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------|--|--|------|--|--|
| | | | R.ELEC COMPT | LEFT AFTAIR TEMP DEG.C | RIGHT FWDAIR TEMP DEG.C | R.ELEC COMPT | CENTER AIR TEMP DEG.C | R.ELEC COMPT | RIGHT FWDAIR TEMP DEG.C | L.HAIN FUEL L/1LVL DEG.C | L.HAIN FUEL L/1LVL DEG.C | SEM.2 MASS TEMP | | | | | |
| 1 | 0 | 5 | -32 | -32 | -32 | -32 | -32 | -32 | -16 | -34 | -34 | | | | | | |
| 2 | 0 | 25 | -32 | -31 | -32 | -32 | -32 | -32 | -16 | -34 | -34 | | | | | | |
| 3 | 0 | 45 | -32 | -32 | -32 | -32 | -32 | -32 | -16 | -33 | -33 | | | | | | |
| 4 | 1 | 5 | -32 | -31 | -32 | -32 | -32 | -32 | -16 | -33 | -33 | | | | | | |
| 5 | 1 | 25 | -32 | -31 | -32 | -32 | -32 | -32 | -16 | -33 | -33 | | | | | | |
| 6 | 1 | 44 | -32 | -31 | -32 | -32 | -32 | -32 | -16 | -34 | -34 | | | | | | |
| 7 | 1 | 2 | -32 | -32 | -32 | -32 | -32 | -32 | -16 | -34 | -34 | | | | | | |
| 8 | 2 | 24 | -32 | -32 | -32 | -32 | -32 | -32 | -16 | -33 | -33 | | | | | | |
| 9 | 2 | 45 | -32 | -31 | -32 | -32 | -32 | -32 | -16 | -32 | -32 | | | | | | |
| 10 | 3 | 5 | -32 | -31 | -32 | -32 | -32 | -32 | -16 | -32 | -32 | | | | | | |
| 11 | 3 | 25 | -32 | -32 | -32 | -32 | -32 | -32 | -16 | -31 | -31 | | | | | | |
| 12 | 3 | 45 | -32 | -31 | -32 | -32 | -32 | -32 | -16 | -31 | -31 | | | | | | |
| 13 | 4 | 5 | -32 | -31 | -32 | -32 | -32 | -32 | -16 | -30 | -30 | | | | | | |
| 14 | 4 | 25 | -32 | -32 | -32 | -32 | -32 | -32 | -16 | -29 | -29 | | | | | | |
| 15 | 4 | 45 | -32 | -32 | -32 | -32 | -32 | -32 | -16 | -28 | -28 | | | | | | |
| 16 | 5 | 5 | -32 | -32 | -32 | -32 | -32 | -32 | -16 | -28 | -28 | | | | | | |
| 17 | 5 | 25 | -32 | -32 | -32 | -32 | -32 | -32 | -16 | -26 | -26 | | | | | | |
| 18 | 5 | 45 | -32 | -32 | -32 | -32 | -32 | -32 | -16 | -26 | -26 | | | | | | |
| 19 | 6 | 5 | -32 | -31 | -32 | -32 | -32 | -32 | -16 | -25 | -25 | | | | | | |
| 20 | 6 | 25 | -32 | -32 | -32 | -32 | -32 | -32 | -16 | -24 | -24 | | | | | | |
| 21 | 6 | 45 | -32 | -33 | -32 | -32 | -32 | -32 | -16 | -23 | -23 | | | | | | |
| 22 | 7 | 5 | -32 | -32 | -32 | -32 | -32 | -32 | -16 | -22 | -22 | | | | | | |
| 23 | 7 | 25 | -32 | -32 | -32 | -32 | -32 | -32 | -16 | -22 | -22 | | | | | | |
| 24 | 7 | 46 | -32 | -32 | -32 | -32 | -32 | -32 | -17 | -21 | -21 | | | | | | |
| 25 | 8 | 6 | -32 | -32 | -32 | -32 | -32 | -32 | -16 | -21 | -21 | | | | | | |
| 26 | 8 | 26 | -32 | -33 | -32 | -32 | -32 | -32 | -17 | -20 | -20 | | | | | | |
| 27 | 9 | 46 | -32 | -32 | -32 | -32 | -32 | -32 | -16 | -20 | -20 | | | | | | |
| 28 | 9 | 6 | -32 | -32 | -32 | -32 | -32 | -32 | -17 | -19 | -19 | | | | | | |
| 29 | 9 | 26 | -32 | -32 | -32 | -32 | -32 | -32 | -17 | -18 | -18 | | | | | | |
| 30 | 9 | 46 | -32 | -33 | -32 | -32 | -32 | -32 | -17 | -17 | -17 | | | | | | |
| 31 | 10 | 6 | -32 | -31 | -32 | -32 | -32 | -32 | -17 | -17 | -17 | | | | | | |
| 32 | 12 | 37 | -32 | -33 | -32 | -32 | -32 | -32 | -17 | -16 | -16 | | | | | | |
| 33 | 17 | 6 | -32 | -33 | -32 | -32 | -32 | -32 | -18 | -16 | -16 | | | | | | |
| 34 | 17 | 26 | -32 | -32 | -32 | -32 | -32 | -32 | -19 | -15 | -15 | | | | | | |
| 35 | 17 | 46 | -32 | -33 | -32 | -32 | -32 | -32 | -18 | -14 | -14 | | | | | | |
| 36 | 21 | 35 | -32 | -33 | -32 | -32 | -32 | -32 | -19 | -14 | -14 | | | | | | |
| 37 | 21 | 55 | -32 | -33 | -32 | -32 | -32 | -32 | -19 | -12 | -12 | | | | | | |
| 38 | 22 | 16 | -32 | -33 | -32 | -32 | -32 | -32 | -19 | -12 | -12 | | | | | | |
| 39 | 22 | 36 | -32 | -34 | -32 | -32 | -32 | -32 | -19 | -13 | -13 | | | | | | |
| 40 | 23 | 26 | -32 | -33 | -32 | -32 | -32 | -32 | -19 | -13 | -13 | | | | | | |
| 41 | 23 | 46 | -32 | -34 | -32 | -32 | -32 | -32 | -19 | -13 | -13 | | | | | | |
| 42 | 24 | 5 | -32 | -34 | -32 | -32 | -32 | -32 | -20 | -14 | -14 | | | | | | |
| 43 | 24 | 27 | -32 | -34 | -32 | -32 | -32 | -32 | -19 | -14 | -14 | | | | | | |
| 44 | 24 | 46 | -32 | -34 | -32 | -32 | -32 | -32 | -20 | -15 | -15 | | | | | | |
| 45 | 25 | 6 | -32 | -34 | -32 | -32 | -32 | -32 | -20 | -17 | -17 | | | | | | |

| SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-05 R.ELEC COMPT LEFT AFTR TEMP DEG.C | 5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C | 5-27 R.ELEC COMPT RIGHT FM AIR TEMP DEG.C | 5-28 L. MAIN FUEL CELL TEMP DEG.C | 5-29 GEN. 2 MASS TEMP DEG.C |
|----------------|----------------------|----------------------|--|---|---|--|---|
| 46 | 25 | 29 | -34 | -34 | -34 | -20 | -18 |
| 47 | 25 | 49 | -34 | -33 | -34 | -20 | -18 |
| 48 | 26 | 9 | -33 | -33 | -34 | -20 | -17 |
| 49 | 26 | 30 | -34 | -34 | -34 | -20 | -17 |
| 50 | 26 | 50 | -33 | -34 | -35 | -20 | -18 |
| 51 | 27 | 11 | -34 | -35 | -34 | -20 | -17 |
| 52 | 27 | 35 | -34 | -34 | -35 | -20 | -15 |
| 53 | 29 | 52 | -33 | -34 | -35 | -20 | -14 |
| 54 | 30 | 15 | -34 | -34 | -35 | -20 | -14 |
| 55 | 30 | 33 | -33 | -34 | -35 | -19 | -4 |
| 56 | 34 | 34 | -34 | -35 | -34 | -20 | -4 |
| 57 | 34 | 54 | -34 | -35 | -35 | -20 | -3 |
| 58 | 35 | 15 | -34 | -35 | -35 | -20 | -2 |
| 59 | 35 | 36 | -33 | -34 | -34 | -21 | 2 |
| 60 | 35 | 4 | -34 | -34 | -34 | -21 | 2 |
| 61 | 39 | 24 | -34 | -35 | -35 | -22 | 2 |
| 62 | 39 | 45 | -35 | -34 | -35 | -22 | 3 |
| 63 | 40 | 6 | -35 | -34 | -35 | -22 | 6 |
| 64 | 43 | 34 | -34 | -35 | -35 | -22 | 7 |
| 65 | 43 | 54 | -34 | -34 | -34 | -21 | 7 |
| 66 | 44 | 15 | -35 | -35 | -34 | -21 | 6 |
| 67 | 44 | 35 | -34 | -35 | -35 | -21 | 7 |
| 68 | 44 | 56 | -35 | -34 | -35 | -22 | 9 |
| 69 | 48 | 4 | -35 | -34 | -36 | -22 | 13 |
| 70 | 52 | 34 | -35 | -35 | -36 | -22 | 14 |
| 71 | 52 | 55 | -35 | -34 | -36 | -22 | 14 |
| 72 | 53 | 16 | -36 | -35 | -36 | -22 | 14 |
| 73 | 53 | 8 | -33 | -36 | -35 | -22 | 14 |
| 74 | 53 | 58 | -35 | -36 | -35 | -22 | 14 |
| 75 | 54 | 18 | -34 | -36 | -35 | -22 | 14 |
| 76 | 54 | 39 | -35 | -35 | -36 | -22 | 14 |
| 77 | 55 | 54 | -35 | -35 | -35 | -21 | 15 |
| 78 | 55 | 20 | -34 | -35 | -35 | -23 | 15 |
| 79 | 55 | 42 | -35 | -36 | -35 | -20 | 15 |
| 80 | 56 | 3 | -35 | -36 | -36 | -22 | 15 |
| 81 | 56 | 23 | -34 | -35 | -35 | -21 | 15 |
| 82 | 56 | 44 | -34 | -35 | -35 | -22 | 16 |
| 83 | 57 | 5 | -35 | -35 | -34 | -22 | 16 |
| 84 | 57 | 25 | -34 | -35 | -35 | -22 | 16 |
| 85 | 57 | 46 | -34 | -35 | -35 | -22 | 16 |
| 86 | 58 | 7 | -34 | -35 | -34 | -23 | 17 |
| 87 | 58 | 27 | -34 | -34 | -32 | -22 | 17 |
| 88 | 58 | 48 | -35 | -34 | -35 | -23 | 16 |
| 89 | 59 | 9 | -35 | -35 | -34 | -23 | 17 |
| 90 | 59 | 29 | -34 | -35 | -34 | -22 | 17 |
| 91 | 59 | 50 | -35 | -34 | -35 | -23 | 17 |
| 92 | 60 | 10 | -34 | -34 | -34 | -22 | 18 |
| 93 | 60 | 31 | -35 | -34 | -34 | -23 | 17 |
| 94 | 60 | 52 | -35 | -34 | -32 | -22 | 18 |
| 95 | 61 | 12 | -34 | -32 | -34 | -23 | 18 |
| 96 | 61 | 33 | -35 | -33 | -35 | -24 | 18 |
| 97 | 61 | 53 | -33 | -32 | -33 | -24 | 18 |

| -01 SWEEP COUNT | 5-02 TIME "IN. | 5-03 TIME SEC. | 5-25 R.ELEC COMPT LEFT FTWAIR TEMP DEG.C | 5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C | 5-27 R.ELEC COMPT RIGHT FTWAIR TEMP DEG.C | 5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C | 5-29 GEN.2 MASS TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|---|---|---|--|
| 96 | 62 | 14 | -34 | -31 | -34 | -23 | 18 |
| 97 | 62 | 34 | -34 | -31 | -34 | -23 | 18 |
| 98 | 62 | 55 | -34 | -31 | -31 | -24 | 18 |
| 99 | 63 | 15 | -34 | -31 | -37 | -24 | 18 |
| 100 | 63 | 36 | -32 | -30 | -31 | -24 | 19 |
| 101 | 63 | 57 | -32 | -30 | -32 | -23 | 19 |
| 102 | 64 | 17 | -34 | -31 | -32 | -22 | 19 |
| 103 | 64 | 38 | -31 | -31 | -32 | -23 | 19 |
| 104 | 64 | 58 | -31 | -31 | -33 | -23 | 19 |
| 105 | 65 | 19 | -32 | -31 | -31 | -23 | 20 |
| 106 | 65 | 40 | -33 | -31 | -33 | -24 | 19 |
| 107 | 66 | 0 | -31 | -30 | -31 | -24 | 20 |
| 108 | 66 | 21 | -32 | -30 | -31 | -23 | 20 |
| 109 | 66 | 41 | -31 | -30 | -24 | -23 | 20 |
| 110 | 67 | 2 | -31 | -30 | -31 | -23 | 21 |
| 111 | 67 | 23 | -30 | -28 | -30 | -24 | 22 |
| 112 | 67 | 43 | -28 | -28 | -24 | -24 | 22 |
| 113 | 68 | 4 | -26 | -27 | -24 | -24 | 21 |
| 114 | 68 | 25 | -28 | -28 | -30 | -23 | 22 |
| 115 | 68 | 46 | -28 | -27 | -28 | -23 | 22 |
| 116 | 69 | 7 | -29 | -28 | -27 | -22 | 22 |
| 117 | 69 | 27 | -28 | -27 | -24 | -23 | 22 |
| 118 | 69 | 48 | -24 | -28 | -24 | -23 | 23 |
| 119 | 70 | 9 | -27 | -24 | -25 | -22 | 24 |
| 120 | 70 | 29 | -24 | -25 | -27 | -22 | 24 |
| 121 | 70 | 50 | -27 | -24 | -26 | -22 | 24 |
| 122 | 71 | 10 | -27 | -24 | -22 | -22 | 23 |
| 123 | 71 | 31 | -27 | -24 | -26 | -22 | 23 |
| 124 | 71 | 51 | -24 | -24 | -24 | -22 | 23 |
| 125 | 72 | 12 | -24 | -24 | -26 | -23 | 23 |
| 126 | 72 | 32 | -26 | -22 | -24 | -22 | 22 |
| 127 | 72 | 53 | -25 | -19 | -23 | -23 | 22 |
| 128 | 73 | 13 | -24 | -16 | -24 | -21 | 21 |
| 129 | 73 | 34 | -23 | -17 | -20 | -23 | 20 |
| 130 | 73 | 54 | -22 | -14 | -20 | -22 | 20 |
| 131 | 74 | 15 | -22 | -12 | -21 | -23 | 20 |
| 132 | 74 | 35 | -21 | -12 | -19 | -21 | 20 |
| 133 | 74 | 56 | -20 | -11 | -19 | -22 | 20 |
| 134 | 75 | 16 | -20 | -10 | -16 | -23 | 20 |
| 135 | 75 | 36 | -19 | -7 | -15 | -23 | 20 |
| 136 | 75 | 57 | -19 | -7 | -15 | -22 | 20 |
| 137 | 76 | 17 | -17 | -8 | -17 | -22 | 19 |
| 138 | 76 | 38 | -19 | -8 | -17 | -22 | 19 |
| 139 | 76 | 58 | -16 | -6 | -15 | -20 | 19 |
| 140 | 77 | 19 | -14 | -4 | -12 | -20 | 20 |
| 141 | 77 | 39 | -14 | -4 | -11 | -20 | 19 |
| 142 | 77 | 59 | -14 | -3 | -11 | -20 | 19 |
| 143 | 78 | 19 | -14 | -3 | -11 | -20 | 20 |
| 144 | 78 | 40 | -13 | -3 | -10 | -20 | 20 |
| 145 | 79 | 0 | -14 | -4 | -11 | -20 | 19 |

| 101 SKEP COUNT | 5-02 TIME " N. | 5-03 TIME SEC. | 5-25 R-ELEC COMPT LEFT AFTAIR TEMP DEG.C | 5-26 S-ELEC COMPT CENTER AIR TEMP DEG.C | 5-27 R-ELEC COMPT RIGHT FWDAIR TEMP DEG.C | 5-28 L-MAIN FUEL CELL 1/3LVL TEMP DEG.C | 5-29 SEN.2 WASS TEMP DEG.C |
|----------------------|----------------------|----------------------|--|---|---|---|--|
| 146 | 79 | 20 | -11 | -1 | -10 | -20 | 28 |
| 147 | 79 | 40 | -13 | -2 | -10 | -20 | 19 |
| 148 | 80 | 0 | -12 | -2 | -10 | -20 | 19 |
| 149 | 80 | 21 | -14 | -3 | -12 | -21 | 18 |
| 150 | 80 | 42 | -13 | -4 | -11 | -21 | 18 |
| 151 | 81 | 2 | -11 | -2 | -9 | -20 | 19 |
| 152 | 81 | 22 | -12 | -4 | -12 | -21 | 19 |
| 153 | 81 | 43 | -13 | -4 | -11 | -21 | 18 |
| 154 | 82 | 3 | -12 | -2 | -10 | -22 | 19 |
| 155 | 82 | 23 | -10 | 0 | -8 | -20 | 18 |
| 156 | 82 | 44 | -9 | 0 | -8 | -20 | 19 |
| 157 | 83 | 4 | -9 | 0 | -8 | -20 | 19 |
| 158 | 83 | 24 | -8 | 0 | -7 | -20 | 19 |
| 159 | 83 | 44 | -8 | 0 | -7 | -20 | 19 |
| 160 | 84 | 5 | -8 | 0 | -6 | -20 | 19 |
| 161 | 84 | 25 | -8 | 0 | -6 | -20 | 19 |
| 162 | 84 | 45 | -7 | 2 | -5 | -20 | 19 |
| 163 | 85 | 5 | -5 | 1 | -5 | -20 | 18 |
| 164 | 85 | 26 | -7 | 1 | -5 | -20 | 19 |
| 165 | 85 | 46 | -7 | 1 | -6 | -20 | 18 |
| 166 | 86 | 4 | -7 | 1 | -5 | -23 | 18 |
| 167 | 86 | 26 | -5 | 2 | -4 | -20 | 18 |
| 168 | 86 | 47 | 3 | 5 | 0 | -20 | 17 |
| 169 | 87 | 7 | 7 | 11 | 1 | -20 | 17 |
| 170 | 87 | 27 | 9 | 12 | 3 | -20 | 18 |
| 171 | 87 | 48 | 11 | 14 | 5 | -20 | 18 |
| 172 | 88 | 8 | 11 | 14 | 5 | -19 | 17 |
| 173 | 88 | 28 | 12 | 15 | 5 | -20 | 17 |
| 174 | 88 | 48 | 14 | 16 | 6 | -20 | 17 |
| 175 | 89 | 0 | 13 | 15 | 7 | -20 | 17 |
| 176 | 89 | 29 | 14 | 15 | 7 | -19 | 16 |
| 177 | 89 | 49 | 13 | 16 | 8 | -19 | 17 |
| 178 | 90 | 9 | 13 | 16 | 8 | -18 | 18 |
| 179 | 90 | 29 | 14 | 17 | 9 | -18 | 17 |
| 180 | 90 | 50 | 16 | 17 | 11 | -19 | 17 |
| 181 | 91 | 10 | 14 | 17 | 11 | -19 | 16 |
| 182 | 91 | 30 | 17 | 18 | 11 | -19 | 16 |
| 183 | 91 | 50 | 17 | 18 | 11 | -18 | 15 |
| 184 | 92 | 10 | 16 | 19 | 11 | -19 | 15 |
| 185 | 92 | 31 | 17 | 18 | 11 | -19 | 15 |
| 186 | 92 | 51 | 17 | 18 | 11 | -20 | 15 |
| 187 | 93 | 11 | 17 | 19 | 11 | -20 | 14 |
| 188 | 93 | 31 | 18 | 19 | 12 | -18 | 15 |
| 189 | 93 | 51 | 18 | 18 | 13 | -19 | 14 |
| 190 | 94 | 12 | 20 | 20 | 12 | -19 | 14 |
| 191 | 94 | 32 | 19 | 19 | 12 | -20 | 13 |
| 192 | 94 | 52 | 19 | 19 | 13 | -19 | 14 |
| 193 | 95 | 12 | 19 | 19 | 13 | -19 | 14 |
| 194 | 95 | 33 | 20 | 19 | 14 | -20 | 14 |
| 195 | 95 | 53 | 19 | 19 | 13 | -19 | 14 |

| -01 SHEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-05 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C | 5-26 A.ELEC COMPT CENTER AIR TEMP DEG.C | 5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C | 5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C | 5-29 GEN-2 MASS TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|---|---|---|--|
| 196 | 96 | 13 | 19 | 19 | 12. | -19 | 15 |
| 197 | 96 | 33 | 21 | 19 | 13 | -19 | 15 |
| 198 | 95 | 54 | 19 | 19 | 13 | -19 | 15 |
| 199 | 97 | 14 | 16 | 18 | 13 | -20 | 15 |
| 200 | 97 | 34 | 15 | 19 | 13 | -19 | 15 |
| 201 | 97 | 54 | 16 | 19 | 13 | -19 | 15 |
| 202 | 98 | 14 | 20 | 20 | 13 | -19 | 15 |
| 203 | 98 | 35 | 20 | 20 | 14 | -19 | 15 |
| 204 | 98 | 55 | 18 | 18 | 14 | -20 | 15 |
| 205 | 99 | 15 | 18 | 18 | 13 | -19 | 15 |
| 206 | 99 | 35 | 18 | 18 | 13 | -20 | 15 |
| 207 | 99 | 56 | 19 | 19 | 13 | -20 | 15 |
| 208 | 100 | 16 | 18 | 18 | 13 | -20 | 15 |
| 209 | 100 | 36 | 18 | 18 | 13 | -20 | 15 |
| 210 | 100 | 56 | 19 | 18 | 14 | -19 | 15 |
| 211 | 101 | 17 | 20 | 19 | 14 | -20 | 15 |
| 212 | 101 | 37 | 19 | 19 | 14 | -19 | 15 |
| 213 | 101 | 57 | 19 | 19 | 14 | -20 | 15 |
| 214 | 102 | 17 | 20 | 19 | 15 | -20 | 16 |
| 215 | 102 | 38 | 19 | 19 | 14 | -20 | 15 |
| 216 | 102 | 58 | 16 | 19 | 14 | -19 | 15 |
| 217 | 103 | 18 | 18 | 18 | 15 | -20 | 15 |
| 218 | 103 | 39 | 20 | 19 | 14 | -20 | 15 |
| 219 | 103 | 59 | 20 | 19 | 15 | -20 | 15 |
| 220 | 104 | 19 | 19 | 19 | 14 | -20 | 15 |
| 221 | 104 | 39 | 19 | 19 | 14 | -19 | 15 |
| 222 | 105 | 0 | 19 | 19 | 14 | -20 | 16 |
| 223 | 105 | 20 | 20 | 19 | 14 | -20 | 15 |
| 224 | 105 | 40 | 20 | 19 | 14 | -15 | 15 |
| 225 | 106 | 0 | 19 | 19 | 14 | -20 | 15 |
| 226 | 106 | 20 | 16 | 19 | 15 | -19 | 15 |
| 227 | 106 | 41 | 16 | 19 | 14 | -19 | 16 |
| 228 | 107 | 1 | 16 | 19 | 14 | -20 | 15 |
| 229 | 107 | 21 | 21 | 19 | 15 | -20 | 15 |
| 230 | 107 | 41 | 19 | 20 | 14 | -19 | 15 |
| 231 | 108 | 1 | 16 | 20 | 14 | -19 | 15 |
| 232 | 108 | 22 | 20 | 20 | 15 | -19 | 14 |
| 233 | 108 | 42 | 19 | 19 | 14 | -20 | 14 |
| 234 | 109 | 2 | 21 | 21 | 14 | -20 | 14 |
| 235 | 109 | 22 | 21 | 21 | 16 | -19 | 14 |
| 236 | 109 | 42 | 20 | 20 | 16 | -19 | 14 |
| 237 | 110 | 2 | 20 | 21 | 16 | -20 | 13 |
| 238 | 110 | 22 | 20 | 21 | 17 | -19 | 13 |
| 239 | 110 | 42 | 19 | 20 | 17 | -19 | 13 |
| 240 | 111 | 2 | 16 | 21 | 17 | -20 | 11 |
| 241 | 111 | 22 | 16 | 21 | 17 | -19 | 11 |
| 242 | 111 | 43 | 20 | 21 | 17 | -20 | 10 |
| 243 | 112 | 3 | 21 | 21 | 17 | -19 | 10 |
| 244 | 112 | 23 | 21 | 21 | 17 | -20 | 10 |
| 245 | 112 | 43 | 21 | 21 | 15 | -19 | 9 |

| -01 SWEEP COUNT | 5-02 TIME VIN. | 5-03 TIME SEC. | 5-25 R.ELEC COMPT LEFT AFAIR TEMP DEG.C | 5-26 P.ELEC COMPT CENTER AIR TEMP DEG.C | 5-27 R.ELEC COMPT RIGHT FWOAIR TEMP DEG.C | 5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C | 5-29 SEN.2 MASS TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|---|--|
| 246 | 113 | 3 | 21 | 21 | 17 | -20 | 9 |
| 247 | 113 | 23 | 20 | 21 | 15 | -19 | 9 |
| 248 | 113 | 43 | 20 | 21 | 17 | -18 | 9 |
| 249 | 114 | 3 | 19 | 20 | 15 | -20 | 8 |
| 250 | 114 | 23 | 20 | 20 | 17 | -20 | 8 |
| 251 | 114 | 43 | 19 | 20 | 15 | -19 | 8 |
| 252 | 115 | 3 | 19 | 21 | 17 | -20 | 7 |
| 253 | 115 | 23 | 19 | 21 | 16 | -20 | 7 |
| 254 | 115 | 43 | 19 | 21 | 16 | -19 | 7 |
| 255 | 116 | 3 | 21 | 21 | 17 | -19 | 7 |
| 256 | 116 | 23 | 20 | 21 | 17 | -20 | 6 |
| 257 | 116 | 43 | 20 | 21 | 17 | -19 | 5 |
| 258 | 117 | 3 | 20 | 21 | 15 | -20 | 5 |
| 259 | 117 | 23 | 20 | 20 | 13 | -18 | 6 |
| 260 | 117 | 43 | 20 | 21 | 15 | -20 | 6 |
| 261 | 118 | 3 | 20 | 22 | 17 | -19 | 5 |
| 262 | 118 | 23 | 21 | 21 | 17 | -19 | 5 |
| 263 | 118 | 43 | 22 | 21 | 17 | -19 | 5 |
| 264 | 119 | 3 | 21 | 21 | 17 | -19 | 5 |
| 265 | 119 | 23 | 21 | 21 | 17 | -20 | 5 |
| 266 | 119 | 43 | 22 | 22 | 17 | -19 | 5 |
| 267 | 120 | 3 | 22 | 22 | 17 | -19 | 5 |
| 268 | 120 | 23 | 22 | 22 | 17 | -19 | 5 |
| 269 | 120 | 43 | 21 | 21 | 17 | -19 | 5 |
| 270 | 121 | 3 | 22 | 21 | 17 | -19 | 5 |
| 271 | 121 | 23 | 22 | 22 | 16 | -19 | 5 |
| 272 | 121 | 44 | 22 | 22 | 17 | -19 | 5 |
| 273 | 122 | 4 | 22 | 22 | 17 | -19 | 5 |
| 274 | 122 | 24 | 22 | 22 | 17 | -19 | 5 |
| 275 | 122 | 45 | 22 | 22 | 17 | -19 | 5 |
| 276 | 123 | 5 | 22 | 22 | 17 | -19 | 4 |
| 277 | 123 | 25 | 22 | 22 | 18 | -19 | 5 |
| 278 | 123 | 45 | 22 | 22 | 18 | -19 | 4 |
| 279 | 124 | 6 | 21 | 22 | 15 | -19 | 4 |
| 280 | 124 | 26 | 22 | 22 | 17 | -20 | 4 |
| 281 | 124 | 47 | 22 | 21 | 18 | -19 | 5 |
| 282 | 125 | 7 | 21 | 22 | 18 | -20 | 5 |
| 283 | 125 | 28 | 22 | 22 | 17 | -19 | 5 |
| 284 | 125 | 49 | 22 | 22 | 19 | -20 | 4 |
| 285 | 126 | 9 | 22 | 22 | 18 | -19 | 4 |
| 286 | 126 | 30 | 22 | 22 | 17 | -19 | 4 |
| 287 | 126 | 50 | 22 | 22 | 16 | -19 | 4 |
| 288 | 127 | 11 | 22 | 22 | 18 | -20 | 4 |
| 289 | 127 | 31 | 22 | 22 | 18 | -20 | 4 |
| 290 | 127 | 52 | 22 | 22 | 18 | -19 | 4 |
| 291 | 128 | 12 | 22 | 22 | 16 | -19 | 4 |
| 292 | 128 | 33 | 22 | 22 | 18 | -19 | 4 |
| 293 | 128 | 53 | 22 | 22 | 17 | -19 | 4 |
| 294 | 129 | 14 | 22 | 22 | 18 | -19 | 3 |
| 295 | 129 | 34 | 22 | 23 | 18 | -19 | 3 |

| -01 SHEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C | 5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C | 5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C | 5-28 L.HAIN FUEL CELL TEMP DEG.C | 5-29 GEN.2 MASS TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|---|---|---|--|
| 296 | 129 | 55 | 23 | 23 | 18 | -19 | 3 |
| 297 | 130 | 16 | 23 | 23 | 19 | -19 | 4 |
| 298 | 130 | 36 | 24 | 24 | 19 | -19 | 3 |
| 299 | 130 | 57 | 23 | 24 | 19 | -19 | 3 |
| 300 | 131 | 17 | 24 | 24 | 19 | -19 | 4 |
| 301 | 131 | 38 | 23 | 24 | 19 | -19 | 3 |
| 302 | 131 | 58 | 23 | 23 | 19 | -19 | 3 |
| 303 | 132 | 19 | 23 | 23 | 19 | -19 | 3 |
| 304 | 132 | 39 | 24 | 24 | 19 | -19 | 4 |
| 305 | 133 | 0 | 23 | 23 | 19 | -19 | 4 |
| 306 | 133 | 20 | 23 | 23 | 19 | -19 | 3 |
| 307 | 133 | 41 | 21 | 24 | 19 | -19 | 3 |
| 308 | 134 | 1 | 22 | 23 | 19 | -19 | 3 |
| 309 | 134 | 22 | 23 | 23 | 19 | -19 | 4 |
| 310 | 134 | 42 | 24 | 24 | 19 | -19 | 3 |
| 311 | 135 | 2 | 24 | 24 | 19 | -19 | 4 |
| 312 | 135 | 22 | 24 | 24 | 19 | -19 | 4 |
| 313 | 135 | 42 | 24 | 24 | 19 | -19 | 4 |
| 314 | 136 | 2 | 23 | 24 | 19 | -19 | 4 |
| 315 | 136 | 22 | 23 | 24 | 19 | -19 | 4 |
| 316 | 136 | 43 | 24 | 24 | 19 | -19 | 4 |
| 317 | 137 | 3 | 24 | 25 | 20 | -18 | 5 |
| 318 | 137 | 23 | 24 | 24 | 20 | -18 | 4 |
| 319 | 137 | 43 | 24 | 24 | 20 | -18 | 4 |
| 320 | 138 | 3 | 24 | 24 | 20 | -19 | 5 |
| 321 | 138 | 23 | 25 | 25 | 20 | -18 | 5 |
| 322 | 138 | 43 | 24 | 24 | 20 | -18 | 5 |
| 323 | 139 | 3 | 25 | 25 | 21 | -18 | 5 |
| 324 | 139 | 23 | 24 | 24 | 20 | -18 | 5 |
| 325 | 139 | 43 | 25 | 24 | 20 | -19 | 5 |
| 326 | 140 | 3 | 24 | 23 | 20 | -18 | 5 |
| 327 | 140 | 23 | 21 | 11 | 4 | -10 | 5 |
| 328 | 140 | 43 | 14 | 1 | -7 | -18 | 5 |
| 329 | 141 | 3 | 6 | -2 | -9 | -18 | 4 |
| 330 | 141 | 23 | 6 | 0 | -9 | -18 | 5 |
| 331 | 141 | 42 | 5 | -1 | -9 | -16 | 5 |
| 332 | 142 | 2 | 7 | -2 | -10 | -16 | 5 |
| 333 | 142 | 22 | 1 | -3 | -12 | -18 | 4 |
| 334 | 142 | 42 | 0 | -4 | -13 | -17 | 4 |
| 335 | 143 | 1 | -1 | -6 | -14 | -16 | 5 |
| 336 | 143 | 21 | -2 | -5 | -15 | -18 | 3 |
| 337 | 143 | 41 | -7 | -7 | -14 | -18 | 3 |
| 338 | 144 | 1 | -3 | -8 | -17 | -18 | 3 |
| 339 | 144 | 21 | -5 | -8 | -18 | -19 | 4 |
| 340 | 144 | 40 | -6 | -9 | -18 | -19 | 2 |
| 341 | 145 | 0 | -6 | -10 | -18 | -26 | 2 |
| 342 | 145 | 20 | -6 | -11 | -19 | -28 | 2 |
| 343 | 145 | 40 | -6 | -12 | -20 | -28 | 2 |
| 344 | 146 | 0 | -7 | -12 | -20 | -30 | 2 |
| 345 | 146 | 19 | -7 | -12 | -23 | -30 | 1 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-25 R.ELEC COMPT LEFT AFFAIR TEMP DEG.C | 5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C | 5-27 R.ELEC COMPT RIGHT FWD AIR TEMP DEG.C | 5-28 L. MAIN FUEL CELL 1/3LVL TEMP DEG.C | 5-29 SEN.2 MASS TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|---|--|--|--|
| 346 | 146 | 39 | -6 | -12 | -10 | -30 | 1 |
| 347 | 146 | 59 | -6 | -16 | -20 | -31 | 0 |
| 348 | 147 | 19 | -8 | -18 | -22 | -31 | -0 |
| 349 | 147 | 39 | -8 | -18 | -22 | -31 | -0 |
| 350 | 147 | 59 | -8 | -19 | -22 | -31 | -2 |
| 351 | 148 | 18 | -10 | -20 | -23 | -31 | -2 |
| 352 | 148 | 38 | -10 | -19 | -22 | -30 | -2 |
| 353 | 148 | 58 | -10 | -16 | -20 | -32 | -2 |
| 354 | 149 | 18 | -10 | -16 | -21 | -32 | -1 |
| 355 | 149 | 37 | -11 | -16 | -23 | -32 | -2 |
| 356 | 149 | 57 | -12 | -18 | -22 | -31 | -2 |
| 357 | 150 | 17 | -12 | -19 | -23 | -31 | -2 |
| 358 | 150 | 37 | -12 | -19 | -24 | -32 | -2 |
| 359 | 150 | 57 | -14 | -20 | -23 | -31 | -2 |
| 360 | 151 | 16 | -15 | -19 | -23 | -31 | -2 |
| 361 | 151 | 36 | -14 | -20 | -23 | -31 | -3 |
| 362 | 151 | 56 | -14 | -20 | -23 | -31 | -2 |
| 363 | 152 | 16 | -15 | -20 | -23 | -31 | -2 |
| 364 | 152 | 35 | -15 | -20 | -24 | -31 | -3 |
| 365 | 152 | 55 | -16 | -20 | -24 | -32 | -3 |
| 366 | 153 | 15 | -16 | -21 | -24 | -31 | -4 |
| 367 | 153 | 35 | -16 | -21 | -23 | -31 | -4 |
| 368 | 153 | 54 | -16 | -21 | -24 | -32 | -4 |
| 369 | 154 | 14 | -18 | -22 | -24 | -31 | -4 |
| 370 | 154 | 34 | -17 | -22 | -25 | -31 | -4 |
| 371 | 154 | 54 | -17 | -22 | -25 | -31 | -4 |
| 372 | 155 | 13 | -17 | -22 | -24 | -31 | -4 |
| 373 | 155 | 33 | -17 | -21 | -25 | -31 | -4 |
| 374 | 155 | 53 | -17 | -21 | -24 | -31 | -4 |
| 375 | 156 | 13 | -16 | -20 | -24 | -31 | -3 |
| 376 | 156 | 32 | -16 | -20 | -23 | -31 | -3 |
| 377 | 156 | 52 | -16 | -21 | -22 | -31 | -3 |
| 378 | 157 | 12 | -15 | -19 | -22 | -31 | -3 |
| 379 | 157 | 32 | -15 | -19 | -20 | -32 | -2 |
| 380 | 157 | 51 | -14 | -18 | -19 | -31 | -2 |
| 381 | 158 | 11 | -14 | -18 | -19 | -31 | -2 |
| 382 | 158 | 31 | -14 | -18 | -20 | -31 | -2 |
| 383 | 158 | 50 | -14 | -17 | -19 | -32 | -2 |
| 384 | 159 | 10 | -14 | -17 | -20 | -31 | -2 |
| 385 | 159 | 30 | -14 | -18 | -20 | -31 | -2 |
| 386 | 159 | 49 | -15 | -19 | -22 | -31 | -2 |
| 387 | 160 | 9 | -15 | -20 | -22 | -31 | -2 |
| 388 | 160 | 29 | -16 | -20 | -23 | -31 | -2 |
| 389 | 160 | 48 | -17 | -21 | -24 | -31 | -3 |
| 390 | 161 | 8 | -17 | -21 | -24 | -30 | -3 |
| 391 | 161 | 28 | -17 | -22 | -25 | -31 | -3 |
| 392 | 161 | 47 | -18 | -22 | -25 | -31 | -4 |
| 393 | 162 | 7 | -18 | -22 | -24 | -30 | -3 |
| 394 | 162 | 26 | -18 | -22 | -24 | -31 | -3 |
| 395 | 163 | 30 | -18 | -23 | -25 | -30 | -4 |

| -01 SNEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-25 R.ELEC COMPT LEFT AFTAIR TEMP DEG.C | 5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C | 5-27 R.ELEC COMPT RIGHT FNOAIR TEMP DEG.C | 5-28 L.MAIN FUEL CELL 1/3LVL TEMP DEG.C | 5-29 SEN.2 MASS TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|---|---|---|--|
| 396 | 163 | 50 | -18 | -22 | -24 | -30 | -4 |
| 397 | 164 | 10 | -16 | -23 | -24 | -30 | -4 |
| 398 | 166 | 58 | -17 | -22 | -23 | -30 | -4 |
| 399 | 167 | 18 | -17 | -22 | -24 | -30 | -4 |
| 400 | 167 | 38 | -17 | -22 | -24 | -30 | -4 |
| 401 | 169 | 32 | -17 | -20 | -22 | -30 | -4 |
| 402 | 172 | 6 | 7 | 5 | -3 | -30 | 0 |
| 403 | 172 | 26 | 8 | 6 | -1 | -31 | 0 |
| 404 | 172 | 46 | 7 | 1 | -6 | -31 | 1 |
| 405 | 174 | 48 | -16 | -18 | -21 | -29 | -1 |
| 406 | 174 | 59 | -13 | -19 | -21 | -30 | -2 |
| 407 | 175 | 19 | -5 | -8 | -17 | -29 | -1 |
| 408 | 177 | 14 | 8 | 6 | -2 | -30 | -2 |
| 409 | 178 | 4 | 12 | 9 | 2 | -30 | -0 |
| 410 | 178 | 24 | 13 | 11 | 1 | -30 | 0 |
| 411 | 178 | 43 | 14 | 11 | 3 | -30 | 0 |
| 412 | 179 | 3 | 14 | 12 | 3 | -30 | 0 |
| 413 | 179 | 23 | 14 | 12 | 5 | -30 | 0 |
| 414 | 179 | 42 | 15 | 13 | 5 | -30 | 1 |
| 415 | 180 | 2 | 15 | 12 | 6 | -29 | 2 |
| 416 | 180 | 21 | 15 | 12 | 6 | -30 | 1 |
| 417 | 180 | 41 | 15 | 14 | 6 | -30 | 2 |
| 418 | 181 | 1 | 15 | 13 | 6 | -30 | 1 |
| 419 | 181 | 20 | 12 | 10 | 3 | -30 | 1 |
| 420 | 181 | 40 | 11 | 9 | 2 | -29 | 2 |
| 421 | 181 | 59 | 9 | 8 | 2 | -38 | 2 |
| 422 | 182 | 19 | 9 | 8 | 3 | -29 | 3 |
| 423 | 182 | 38 | 8 | 8 | 2 | -29 | 3 |
| 424 | 182 | 58 | 6 | 8 | 2 | -29 | 4 |
| 425 | 183 | 17 | 7 | 7 | 1 | -29 | 4 |
| 426 | 183 | 37 | 7 | 7 | 0 | -30 | 4 |
| 427 | 183 | 56 | 7 | 5 | 0 | -29 | 4 |
| 428 | 184 | 16 | 7 | 5 | 0 | -28 | 4 |
| 429 | 184 | 36 | 7 | 5 | 0 | -28 | 5 |
| 430 | 184 | 56 | 7 | 5 | 0 | -28 | 6 |
| 431 | 185 | 16 | 7 | 5 | -1 | -28 | 6 |
| 432 | 185 | 36 | 7 | 5 | -1 | -28 | 6 |
| 433 | 185 | 56 | 6 | 5 | -1 | -28 | 6 |
| 434 | 186 | 16 | 7 | 5 | -2 | -28 | 7 |
| 435 | 186 | 35 | 6 | 6 | -2 | -28 | 7 |
| 436 | 186 | 55 | 6 | 6 | -2 | -28 | 7 |
| 437 | 187 | 14 | 6 | 4 | -1 | -28 | 8 |
| 438 | 187 | 34 | 7 | 2 | -1 | -28 | 8 |
| 439 | 187 | 53 | 6 | 2 | -2 | -27 | 9 |
| 440 | 189 | 41 | -0 | 1 | -2 | -28 | 9 |
| 441 | 191 | 14 | -1 | -1 | -4 | -26 | 9 |
| 442 | 191 | 33 | 2 | -2 | -4 | -26 | 10 |
| 443 | 191 | 53 | 2 | -2 | -4 | -27 | 11 |
| 444 | 192 | 12 | 2 | -2 | -4 | -27 | 11 |
| 445 | 194 | 3 | 1 | -3 | -6 | -27 | 11 |

01
SWEEP
COUNT

1-02
TIME
MIN.

5-03
TIME
SEC.

5-25
P. CLFC
COMPT
LEFT
AFFAIR
TEMP
DEG.C

5-26
R. ELEC
COMPT
CENTER
AIR
TEMP
DEG.C

5-27
P. ELEC
COMPT
RIGHT
FWD AIR
TEMP
DEG.C

5-28
L. MAIN
FUEL
CELL
1/31 WL
TEMP
DEG.C

5-29
GEN. 2
MASS
TEMP
DEG.C

| | | | | | | | |
|-----|-----|----|-----|-----|-----|-----|-----|
| 446 | 196 | 18 | -5 | -11 | -13 | -33 | 2 |
| 447 | 198 | 38 | -7 | -12 | -14 | -33 | 2 |
| 448 | 198 | 58 | -8 | -13 | -15 | -33 | 2 |
| 449 | 207 | 6 | -9 | -14 | -17 | -33 | -2 |
| 450 | 207 | 25 | -8 | -14 | -16 | -32 | -1 |
| 451 | 207 | 45 | -8 | -14 | -16 | -33 | -2 |
| 452 | 208 | 6 | -9 | -14 | -16 | -32 | -2 |
| 453 | 212 | 26 | -8 | -12 | -14 | -31 | -3 |
| 454 | 212 | 45 | -7 | -12 | -13 | -31 | -3 |
| 455 | 213 | 5 | -7 | -12 | -13 | -31 | -3 |
| 456 | 213 | 26 | -7 | -13 | -14 | -31 | -3 |
| 457 | 217 | 44 | -9 | -13 | -15 | -31 | -5 |
| 458 | 218 | 4 | -8 | -14 | -15 | -31 | -6 |
| 459 | 218 | 25 | -9 | -14 | -15 | -31 | -6 |
| 460 | 222 | 42 | -8 | -13 | -14 | -30 | -7 |
| 461 | 223 | 1 | -9 | -13 | -14 | -30 | -7 |
| 462 | 223 | 21 | -9 | -13 | -15 | -30 | -7 |
| 463 | 226 | 59 | -8 | -13 | -15 | -28 | -8 |
| 464 | 227 | 19 | -9 | -14 | -15 | -28 | -8 |
| 465 | 227 | 38 | -9 | -13 | -15 | -28 | -8 |
| 466 | 231 | 17 | -8 | -14 | -15 | -27 | -9 |
| 467 | 231 | 36 | -9 | -14 | -15 | -28 | -10 |
| 468 | 231 | 55 | -9 | -14 | -16 | -27 | -10 |
| 469 | 235 | 34 | -10 | -15 | -16 | -27 | -10 |
| 470 | 235 | 53 | -10 | -15 | -16 | -28 | -11 |
| 471 | 236 | 13 | -10 | -15 | -16 | -27 | -11 |
| 472 | 239 | 50 | -10 | -15 | -16 | -12 | -12 |
| 473 | 240 | 10 | -10 | -14 | -16 | -26 | -12 |
| 474 | 248 | 29 | -10 | -15 | -17 | -28 | -12 |
| 475 | 244 | 6 | -11 | -16 | -17 | -28 | -14 |
| 476 | 244 | 25 | -12 | -16 | -18 | -28 | -14 |
| 477 | 244 | 45 | -12 | -16 | -18 | -28 | -14 |
| 478 | 248 | 22 | -10 | -14 | -16 | -26 | -13 |
| 479 | 248 | 41 | -10 | -14 | -16 | -26 | -13 |
| 480 | 249 | 0 | -10 | -13 | -14 | -25 | -13 |
| 481 | | | * | * | * | * | * |

HH-53C S/N 68-10354
ARCTIC TEST
9 JANUARY 1971
RUN NO. 2

-40 DEG C / -40 DEG F

| -01 SWEEP COUNT | 5-02 TIME *IN. | 6-03 TIME SEC. | 6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C | 6-08 ENG.1 BLEED AIR TEMP DEG.C | 6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C | 6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C | 6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C | 6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C | 6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C | 6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C | 6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C | 6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C |
|-----------------------|----------------------|----------------------|---|--|--|--|--|--|--|---|---|---|
| 1 | 0 | 7 | -34 | -32 | -32 | -31 | -32 | -33 | -32 | -32 | -32 | -32 |
| 2 | 0 | 27 | -34 | -32 | -32 | -30 | -32 | -33 | -32 | -32 | -32 | -32 |
| 3 | 0 | 47 | -33 | -32 | -32 | -31 | -32 | -33 | -32 | -32 | -32 | -32 |
| 4 | 1 | 7 | -34 | -32 | -32 | -31 | -32 | -33 | -32 | -32 | -32 | -32 |
| 5 | 1 | 27 | -34 | -32 | -32 | -30 | -32 | -33 | -32 | -32 | -32 | -32 |
| 6 | 1 | 47 | -34 | -32 | -33 | -31 | -32 | -33 | -32 | -32 | -32 | -32 |
| 7 | 2 | 7 | -34 | -32 | -32 | -30 | -32 | -33 | -32 | -32 | -32 | -32 |
| 8 | 2 | 27 | -34 | -32 | -33 | -31 | -32 | -33 | -32 | -32 | -32 | -32 |
| 9 | 2 | 47 | -34 | -32 | -32 | -30 | -32 | -33 | -32 | -32 | -32 | -32 |
| 10 | 3 | 7 | -34 | -32 | -32 | -31 | -31 | -33 | -32 | -32 | -32 | -32 |
| 11 | 3 | 27 | -34 | -32 | -32 | -31 | -31 | -33 | -32 | -32 | -32 | -32 |
| 12 | 3 | 47 | -34 | -32 | -32 | -31 | -31 | -33 | -32 | -32 | -32 | -32 |
| 13 | 4 | 7 | -34 | -32 | -32 | -31 | -31 | -33 | -32 | -32 | -32 | -32 |
| 14 | 4 | 27 | -34 | -32 | -32 | -28 | -31 | -34 | -32 | -32 | -32 | -32 |
| 15 | 4 | 47 | -34 | -32 | -33 | -28 | -32 | -33 | -32 | -32 | -32 | -32 |
| 16 | 5 | 7 | -34 | -32 | -32 | -30 | -32 | -33 | -32 | -32 | -32 | -32 |
| 17 | 5 | 27 | -34 | -32 | -32 | -30 | -32 | -33 | -32 | -32 | -32 | -32 |
| 18 | 5 | 47 | -34 | -32 | -32 | -31 | -32 | -33 | -32 | -32 | -32 | -32 |
| 19 | 6 | 7 | -34 | -32 | -32 | -31 | -32 | -33 | -32 | -32 | -32 | -32 |
| 20 | 6 | 28 | -34 | -32 | -32 | -30 | -32 | -33 | -32 | -32 | -32 | -32 |
| 21 | 6 | 48 | -34 | -32 | -33 | -31 | -32 | -33 | -32 | -32 | -32 | -32 |
| 22 | 7 | 8 | -34 | -32 | -32 | -30 | -32 | -33 | -32 | -32 | -32 | -32 |
| 23 | 7 | 28 | -34 | -32 | -32 | -31 | -32 | -33 | -32 | -32 | -32 | -32 |
| 24 | 7 | 48 | -34 | -32 | -32 | -30 | -32 | -33 | -32 | -32 | -32 | -32 |
| 25 | 8 | 8 | -34 | -32 | -32 | -32 | -32 | -33 | -32 | -32 | -32 | -32 |
| 26 | 8 | 28 | -35 | -32 | -34 | -31 | -32 | -33 | -32 | -32 | -32 | -32 |
| 27 | 8 | 48 | -35 | -32 | -32 | -31 | -32 | -33 | -32 | -32 | -32 | -32 |
| 28 | 9 | 8 | -34 | -33 | -33 | -30 | -32 | -34 | -32 | -32 | -32 | -32 |
| 29 | 9 | 29 | -34 | -33 | -33 | -31 | -32 | -34 | -32 | -32 | -32 | -32 |
| 30 | 9 | 49 | -35 | -33 | -34 | -31 | -32 | -34 | -32 | -32 | -32 | -32 |
| 31 | 10 | 9 | -35 | -34 | -34 | -33 | -32 | -34 | -32 | -32 | -32 | -32 |
| 32 | 12 | 39 | -35 | -34 | -33 | -33 | -32 | -34 | -32 | -32 | -32 | -32 |
| 33 | 17 | 8 | -35 | -34 | -34 | -32 | -32 | -34 | -32 | -32 | -32 | -32 |
| 34 | 17 | 29 | -36 | -34 | -34 | -31 | -32 | -34 | -32 | -32 | -32 | -32 |
| 35 | 17 | 49 | -36 | -34 | -34 | 4 | 4 | -34 | -32 | -32 | -32 | -32 |
| 36 | 21 | 38 | -36 | -34 | -34 | -33 | -34 | -35 | -32 | -32 | -32 | -32 |
| 37 | 21 | 58 | -36 | -34 | -34 | -34 | -34 | -35 | -32 | -32 | -32 | -32 |
| 38 | 22 | 18 | -36 | -34 | -34 | -31 | -34 | -35 | -32 | -32 | -32 | -32 |
| 39 | 22 | 39 | -36 | -34 | -35 | -33 | -34 | -35 | -32 | -32 | -32 | -32 |
| 40 | 23 | 28 | -36 | -34 | -34 | -31 | -33 | -35 | -32 | -32 | -32 | -32 |
| 41 | 23 | 49 | -36 | -34 | -34 | -33 | -34 | -35 | -32 | -32 | -32 | -32 |
| 42 | 24 | 9 | -36 | -34 | -34 | -33 | -34 | -35 | -32 | -32 | -32 | -32 |
| 43 | 24 | 30 | -36 | -34 | -34 | -32 | -33 | -35 | -32 | -32 | -32 | -32 |
| 44 | 24 | 50 | -37 | -35 | -35 | -34 | -34 | -36 | -32 | -32 | -32 | -32 |
| 45 | 25 | 11 | -37 | -35 | -35 | -34 | -34 | -36 | -32 | -32 | -32 | -32 |

| 01 | 02 | 03 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-------|------|------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| SHEP | TIME | TIME | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.2 | ENG.2 | ENG.1 | ENG.1 | ENG.1 | ENG.1 |
| COUNT | MIN. | SEC. | BAOSY | BLEED | LORD | LORD | LORD | ISOL. | ISOL. | ISOL. | ISOL. | ISOL. |
| | | | PUMP | AIR | ISOL. | ISOL. | ISOL. | ISOL. | ISOL. | ISOL. | ISOL. | ISOL. |
| | | | OUTLET | TEMP | AFT IN | AFT IN | AFT IN | AFT IN | AFT IN | AFT IN | AFT IN | AFT IN |
| | | | TEMP | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 46 | 25 | 31 | -36 | -34 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 47 | 25 | 12 | -36 | -34 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 48 | 26 | 12 | -37 | -34 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 49 | 26 | 32 | -37 | -34 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 50 | 26 | 53 | -37 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 51 | 27 | 13 | -37 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 52 | 29 | 55 | -37 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 53 | 30 | 15 | -37 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 54 | 34 | 36 | -37 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 55 | 34 | 57 | -37 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 56 | 34 | 57 | -37 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 57 | 35 | 18 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 58 | 35 | 38 | -37 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 59 | 39 | 6 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 60 | 39 | 27 | -37 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 61 | 39 | 48 | -37 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 62 | 40 | 6 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 63 | 43 | 36 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 64 | 43 | 57 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 65 | 44 | 18 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 66 | 44 | 38 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 67 | 48 | 7 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 68 | 52 | 37 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 69 | 52 | 58 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 70 | 53 | 19 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 71 | 53 | 39 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 72 | 54 | 0 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 73 | 54 | 21 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 74 | 54 | 42 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 75 | 55 | 2 | -39 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 76 | 55 | 23 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 77 | 55 | 44 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 78 | 56 | 5 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 79 | 56 | 26 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 80 | 56 | 47 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 81 | 57 | 7 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 82 | 57 | 28 | -39 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 83 | 57 | 49 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 84 | 58 | 0 | -39 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 85 | 58 | 30 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 86 | 58 | 58 | -39 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 87 | 59 | 11 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 88 | 59 | 32 | -38 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 89 | 59 | 52 | -39 | -35 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 90 | 60 | 13 | -40 | -37 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 91 | 60 | 34 | -40 | -37 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 92 | 60 | 54 | -39 | -37 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 93 | 61 | 15 | -40 | -37 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 94 | 61 | 35 | -39 | -37 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |
| 95 | 61 | 56 | -40 | -38 | -35 | -34 | -34 | -36 | -34 | -35 | -35 | -34 |

| -01 SWEEP COUNT | 4-02 TIME *IN. | 6-03 TIME SEC. | 6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C | 6-08 ENG.1 BLEED AIR TEMP DEG.C | 6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C | 6-10 ENG.1 LORD ISOL. MNT AFT IN DEG.C | 6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C | 6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C | 6-13 ENG.1 INLET LTP SURF. 12.00 DEG.C | 6-14 ENG.1 INLET LTP SURF. 1.00 DEG.C | 6-15 ENG.1 INLET LTP SURF. 2.45 DEG.C | 6-16 ENG.1 INLET SURF. 2.45 DEG.C |
|-----------------------|----------------------|----------------------|---|--|--|--|--|--|--|---|---|--|
| 96 | 62 | 16 | -40 | -38 | -36 | -34 | -37 | -40 | -39 | -38 | -38 | -38 |
| 97 | 62 | 37 | -40 | -36 | -36 | -34 | -36 | -39 | -39 | -39 | -39 | -37 |
| 98 | 62 | 58 | -40 | -38 | -36 | -36 | -36 | -39 | -39 | -39 | -39 | -39 |
| 99 | 63 | 14 | -40 | -37 | -38 | -35 | -38 | -39 | -38 | -38 | -38 | -38 |
| 100 | 63 | 39 | -40 | -37 | -36 | -32 | -38 | -40 | -38 | -38 | -38 | -39 |
| 101 | 63 | 59 | -40 | -38 | -38 | -36 | -38 | -39 | -39 | -38 | -38 | -39 |
| 102 | 64 | 20 | -40 | -38 | -38 | -34 | -38 | -40 | -38 | -38 | -38 | -36 |
| 103 | 64 | 40 | -40 | -38 | -38 | -34 | -38 | -40 | -39 | -38 | -38 | -37 |
| 104 | 65 | 1 | -40 | -37 | -38 | -35 | -38 | -40 | -38 | -38 | -38 | -39 |
| 105 | 65 | 21 | -40 | -38 | -38 | -36 | -38 | -39 | -38 | -38 | -38 | -39 |
| 106 | 65 | 42 | -40 | -37 | -38 | -34 | -38 | -39 | -39 | -39 | -39 | -38 |
| 107 | 66 | 3 | -40 | -38 | -39 | -35 | -38 | -39 | -38 | -38 | -38 | -39 |
| 108 | 66 | 23 | -40 | -38 | -39 | -34 | -38 | -39 | -38 | -38 | -38 | -39 |
| 109 | 66 | 44 | -40 | -38 | -38 | -35 | -38 | -39 | -38 | -38 | -38 | -40 |
| 110 | 67 | 4 | -40 | -36 | -36 | -34 | -38 | -39 | -36 | -38 | -38 | -38 |
| 111 | 67 | 25 | -40 | -37 | -36 | -36 | -38 | -39 | -38 | -38 | -38 | -39 |
| 112 | 67 | 46 | -40 | -37 | -38 | -34 | -38 | -39 | -38 | -38 | -38 | -39 |
| 113 | 68 | 6 | -40 | -37 | -38 | -34 | -38 | -38 | -38 | -38 | -38 | -40 |
| 114 | 68 | 27 | -40 | -37 | -38 | -35 | -38 | -39 | -38 | -38 | -38 | -40 |
| 115 | 68 | 48 | -39 | -37 | -38 | -35 | -36 | -39 | -36 | -36 | -36 | -38 |
| 116 | 69 | 9 | -39 | -37 | -38 | -36 | -36 | -39 | -38 | -38 | -38 | -38 |
| 117 | 69 | 30 | -39 | -37 | -37 | -34 | -37 | -38 | -38 | -38 | -38 | -39 |
| 118 | 69 | 50 | -39 | -37 | -38 | -36 | -36 | -38 | -38 | -36 | -36 | -37 |
| 119 | 70 | 11 | -39 | -36 | -36 | -34 | -36 | -37 | -36 | -36 | -36 | -38 |
| 120 | 70 | 32 | -39 | -36 | -36 | -34 | -36 | -37 | -36 | -36 | -36 | -38 |
| 121 | 70 | 52 | -38 | -36 | -36 | -35 | -35 | -37 | -36 | -36 | -36 | -37 |
| 122 | 71 | 13 | -39 | -37 | -38 | -36 | -35 | -36 | -35 | -35 | -35 | -35 |
| 123 | 71 | 33 | -39 | -37 | -38 | -36 | -34 | -36 | -35 | -35 | -35 | -35 |
| 124 | 71 | 54 | -38 | -36 | -36 | -34 | -34 | -36 | -35 | -35 | -35 | -36 |
| 125 | 72 | 14 | -38 | -36 | -36 | -32 | -34 | -35 | -36 | -36 | -36 | -35 |
| 126 | 72 | 35 | -38 | -36 | -37 | -32 | -34 | -35 | -36 | -36 | -36 | -35 |
| 127 | 72 | 55 | -38 | -36 | -38 | -36 | -32 | -32 | -36 | -36 | -36 | -36 |
| 128 | 73 | 15 | -38 | -36 | -36 | -34 | -32 | -32 | -36 | -36 | -36 | -36 |
| 129 | 73 | 36 | -37 | -36 | -36 | -34 | -31 | -31 | -35 | -35 | -35 | -35 |
| 130 | 73 | 57 | -37 | -36 | -36 | -34 | -30 | -30 | -35 | -35 | -35 | -34 |
| 131 | 74 | 17 | -38 | -36 | -36 | -32 | -30 | -30 | -34 | -34 | -34 | -33 |
| 132 | 74 | 38 | -36 | -35 | -36 | -34 | -29 | -28 | -34 | -34 | -34 | -33 |
| 133 | 74 | 58 | -36 | -35 | -36 | -34 | -29 | -28 | -34 | -34 | -34 | -34 |
| 134 | 75 | 19 | -36 | -34 | -36 | -32 | -29 | -27 | -34 | -34 | -34 | -33 |
| 135 | 75 | 39 | -35 | -35 | -36 | -34 | -28 | -26 | -35 | -34 | -34 | -34 |
| 136 | 75 | 59 | -35 | -34 | -36 | -34 | -28 | -26 | -35 | -35 | -35 | -35 |
| 137 | 76 | 20 | -36 | -34 | -36 | -31 | -28 | -26 | -35 | -35 | -35 | -36 |
| 138 | 76 | 40 | -36 | -34 | -36 | -33 | -27 | -25 | -35 | -35 | -35 | -36 |
| 139 | 77 | 1 | -36 | -34 | -36 | -30 | -27 | -24 | -35 | -34 | -34 | -35 |
| 140 | 77 | 21 | -32 | -32 | -34 | -25 | -26 | -23 | -32 | -32 | -32 | -35 |
| 141 | 77 | 41 | -31 | -31 | -33 | -23 | -25 | -22 | -32 | -32 | -32 | -33 |
| 142 | 78 | 2 | -30 | -30 | -33 | -23 | -25 | -22 | -32 | -32 | -32 | -32 |
| 143 | 78 | 22 | -29 | -29 | -33 | -24 | -25 | -22 | -32 | -32 | -32 | -32 |
| 144 | 78 | 42 | -29 | -29 | -32 | -22 | -24 | -21 | -31 | -31 | -31 | -32 |
| 145 | 79 | 2 | -29 | -28 | -34 | -23 | -24 | -21 | -31 | -31 | -31 | -32 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 6-03 TIME SEC. | 6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C | 6-08 ENG.1 BLEED AIR TEMP DEG.C | 6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C | 6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C | 6-11 ENG.1 LORD ISOL. MNT AFT IN DEG.C | 6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C | 6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C | 6-14 ENG.1 INLET LIP SURF. 11.00 DEG.C | 6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C | 6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C |
|-----------------------|----------------------|----------------------|---|--|--|--|--|--|--|--|---|---|
| 196 | 96 | 16 | -22 | -10 | -24 | -20 | -15 | -21 | -22 | -22 | -21 | -24 |
| 197 | 96 | 36 | -22 | -10 | -24 | -20 | -14 | -21 | -22 | -22 | -22 | -24 |
| 198 | 96 | 56 | -22 | -10 | -24 | -20 | -14 | -21 | -22 | -22 | -22 | -26 |
| 199 | 97 | 16 | -22 | -8 | -24 | -19 | -13 | -18 | -20 | -20 | -20 | -22 |
| 200 | 97 | 37 | -22 | -8 | -24 | -20 | -13 | -19 | -21 | -21 | -21 | -23 |
| 201 | 97 | 57 | -22 | -8 | -24 | -19 | -12 | -20 | -21 | -22 | -22 | -23 |
| 202 | 97 | 17 | -22 | -7 | -23 | -18 | -12 | -19 | -20 | -21 | -21 | -23 |
| 203 | 98 | 37 | -22 | -6 | -24 | -19 | -11 | -21 | -22 | -22 | -22 | -24 |
| 204 | 98 | 57 | -22 | -6 | -24 | -19 | -11 | -22 | -22 | -22 | -22 | -26 |
| 205 | 99 | 18 | -22 | -6 | -24 | -19 | -11 | -22 | -22 | -22 | -22 | -27 |
| 206 | 99 | 38 | -22 | -6 | -24 | -19 | -10 | -26 | -24 | -24 | -24 | -29 |
| 207 | 99 | 58 | -22 | -6 | -23 | -18 | -10 | -28 | -27 | -27 | -28 | -30 |
| 208 | 100 | 18 | -22 | -5 | -22 | -19 | -10 | -28 | -27 | -29 | -29 | -30 |
| 209 | 100 | 39 | -22 | -6 | -22 | -20 | -11 | -28 | -28 | -28 | -28 | -30 |
| 210 | 100 | 59 | -22 | -6 | -22 | -20 | -11 | -27 | -27 | -28 | -28 | -30 |
| 211 | 101 | 19 | -22 | -5 | -23 | -19 | -10 | -24 | -24 | -24 | -26 | -28 |
| 212 | 101 | 39 | -22 | -4 | -23 | -18 | -10 | -20 | -22 | -22 | -22 | -24 |
| 213 | 102 | 0 | -21 | -4 | -22 | -19 | -10 | -22 | -24 | -24 | -25 | -27 |
| 214 | 102 | 20 | -21 | -3 | -22 | -18 | -10 | -22 | -23 | -23 | -23 | -26 |
| 215 | 102 | 40 | -21 | -3 | -22 | -18 | -9 | -22 | -23 | -23 | -24 | -28 |
| 216 | 103 | 1 | -21 | -3 | -22 | -18 | -9 | -22 | -25 | -25 | -26 | -28 |
| 217 | 103 | 21 | -21 | -2 | -21 | -17 | -9 | -24 | -26 | -26 | -26 | -29 |
| 218 | 103 | 41 | -22 | -2 | -22 | -20 | -8 | -26 | -28 | -28 | -28 | -30 |
| 219 | 104 | 1 | -22 | -2 | -22 | -18 | -8 | -27 | -29 | -29 | -29 | -30 |
| 220 | 104 | 22 | -20 | -2 | -21 | -17 | -8 | -27 | -27 | -27 | -27 | -27 |
| 221 | 104 | 42 | -21 | -2 | -21 | -20 | -8 | -24 | -24 | -24 | -24 | -27 |
| 222 | 105 | 2 | -21 | -1 | -20 | -17 | -8 | -25 | -25 | -25 | -25 | -27 |
| 223 | 105 | 22 | -21 | -2 | -20 | -18 | -8 | -22 | -27 | -27 | -27 | -26 |
| 224 | 105 | 43 | -21 | -1 | -20 | -19 | -8 | -23 | -26 | -26 | -26 | -26 |
| 225 | 106 | 3 | -20 | -1 | -21 | -16 | -8 | -24 | -27 | -27 | -27 | -26 |
| 226 | 106 | 23 | -21 | -1 | -21 | -17 | -7 | -25 | -26 | -26 | -26 | -26 |
| 227 | 106 | 43 | -21 | -1 | -20 | -18 | -7 | -26 | -27 | -27 | -27 | -27 |
| 228 | 107 | 3 | -20 | -1 | -20 | -18 | -7 | -25 | -24 | -24 | -24 | -27 |
| 229 | 107 | 24 | -21 | -0 | -20 | -16 | -7 | -23 | -24 | -24 | -24 | -29 |
| 230 | 107 | 44 | -21 | -0 | -20 | -17 | -7 | -23 | -26 | -26 | -26 | -29 |
| 231 | 108 | 4 | -20 | 0 | -19 | -16 | -6 | -24 | -20 | -20 | -20 | -25 |
| 232 | 108 | 24 | -20 | 0 | -20 | -16 | -6 | -24 | -20 | -20 | -20 | -25 |
| 233 | 108 | 44 | -20 | 0 | -19 | -16 | -6 | -22 | -18 | -18 | -18 | -22 |
| 234 | 109 | 4 | -20 | 0 | -19 | -16 | -6 | -22 | -18 | -18 | -18 | -24 |
| 235 | 109 | 24 | -20 | 0 | -19 | -15 | -6 | -22 | -19 | -19 | -19 | -24 |
| 236 | 109 | 45 | -19 | 0 | -19 | -15 | -5 | -20 | -20 | -20 | -20 | -25 |
| 237 | 110 | 5 | -20 | 0 | -19 | -15 | -5 | -20 | -20 | -20 | -20 | -26 |
| 238 | 110 | 25 | -20 | 1 | -19 | -15 | -5 | -20 | -20 | -20 | -20 | -26 |
| 239 | 110 | 45 | -20 | 0 | -19 | -15 | -6 | -20 | -20 | -20 | -20 | -29 |
| 240 | 111 | 5 | -20 | 0 | -19 | -16 | -6 | -20 | -20 | -20 | -20 | -30 |
| 241 | 111 | 25 | -20 | 1 | -18 | -16 | -6 | -20 | -20 | -20 | -20 | -30 |
| 242 | 111 | 45 | -20 | 1 | -18 | -16 | -6 | -20 | -20 | -20 | -20 | -30 |
| 243 | 112 | 5 | -19 | 2 | -18 | -16 | -6 | -20 | -20 | -20 | -20 | -26 |
| 244 | 112 | 25 | -19 | 2 | -18 | -16 | -6 | -20 | -20 | -20 | -20 | -26 |
| 245 | 112 | 45 | -19 | 2 | -18 | -16 | -5 | -20 | -20 | -20 | -20 | -25 |

| -01 SHEEP COUNT | 5-02 TIME MIN. | 6-03 TIME SEC. | 6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C | 6-08 ENG.1 RELEASED AIR TEMP DEG.C | 6-09 ENG.1 LOAD ISOL. MNT AFT IN DEG.C | 6-10 ENG.1 LOAD ISOL. MNT AFTOUT DEG.C | 6-11 ENG.2 LOAD ISOL. MNT AFT IN DEG.C | 6-12 ENG.2 LOAD ISOL. MNT AFTOUT DEG.C | 6-13 ENG.1 LIP SURF. 12.00 DEG.C | 6-14 ENG.1 LIP SURF. 1.00 DEG.C | 6-15 ENG.1 LIP SURF. 2.00 DEG.C | 6-16 ENG.1 LIP SURF. 2.45 DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|--|--|--|---|--|--|--|
| 296 | 129 | 50 | -14 | 2 | -16 | -17 | -16 | -4 | -29 | -20 | -27 | -28 |
| 297 | 130 | 10 | -10 | 2 | -16 | -16 | -16 | -3 | -29 | -21 | -28 | -28 |
| 298 | 130 | 39 | -14 | 2 | -16 | -15 | -15 | -4 | -29 | -21 | -27 | -29 |
| 299 | 130 | 59 | -14 | 2 | -16 | -16 | -17 | -4 | -29 | -24 | -28 | -29 |
| 300 | 131 | 20 | -16 | 2 | -16 | -16 | -16 | -4 | -29 | -24 | -28 | -29 |
| 301 | 131 | 40 | -16 | 2 | -16 | -17 | -17 | -4 | -29 | -22 | -28 | -29 |
| 302 | 132 | 1 | -17 | 2 | -16 | -16 | -17 | -4 | -30 | -22 | -28 | -29 |
| 303 | 132 | 21 | -17 | 1 | -16 | -16 | -16 | -4 | -30 | -22 | -28 | -30 |
| 304 | 132 | 42 | -18 | 1 | -16 | -16 | -17 | -4 | -30 | -21 | -29 | -28 |
| 305 | 133 | 2 | -16 | 1 | -16 | -15 | -16 | -4 | -29 | -20 | -28 | -28 |
| 306 | 133 | 23 | -16 | 1 | -16 | -16 | -16 | -4 | -29 | -21 | -27 | -26 |
| 307 | 133 | 43 | -16 | 1 | -16 | -16 | -17 | -4 | -29 | -20 | -27 | -24 |
| 308 | 134 | 4 | -18 | 0 | -16 | -16 | -17 | -4 | -29 | -22 | -28 | -29 |
| 309 | 134 | 24 | -18 | 1 | -16 | -17 | -16 | -4 | -29 | -22 | -28 | -29 |
| 310 | 134 | 44 | -18 | 1 | -16 | -16 | -17 | -4 | -29 | -22 | -28 | -27 |
| 311 | 135 | 5 | -18 | 1 | -16 | -15 | -17 | -4 | -28 | -20 | -26 | -28 |
| 312 | 135 | 25 | -17 | 1 | -16 | -15 | -16 | -4 | -28 | -21 | -27 | -28 |
| 313 | 135 | 45 | -18 | 1 | -16 | -15 | -16 | -4 | -28 | -20 | -26 | -28 |
| 314 | 136 | 5 | -17 | 1 | -15 | -16 | -16 | -4 | -28 | -20 | -26 | -28 |
| 315 | 136 | 25 | -15 | 1 | -15 | -15 | -16 | -4 | -28 | -20 | -26 | -28 |
| 316 | 136 | 45 | -17 | 0 | -15 | -16 | -16 | -4 | -28 | -20 | -26 | -26 |
| 317 | 137 | 5 | -17 | 0 | -15 | -16 | -16 | -4 | -28 | -19 | -25 | -26 |
| 318 | 137 | 25 | -17 | 0 | -15 | -15 | -16 | -4 | -27 | -19 | -25 | -26 |
| 319 | 137 | 45 | -16 | 0 | -15 | -14 | -16 | -4 | -27 | -19 | -25 | -26 |
| 320 | 138 | 5 | -16 | 0 | -14 | -14 | -16 | -4 | -27 | -19 | -25 | -27 |
| 321 | 138 | 25 | -17 | 0 | -15 | -14 | -16 | -4 | -28 | -19 | -26 | -27 |
| 322 | 138 | 45 | -17 | 0 | -15 | -14 | -16 | -4 | -28 | -19 | -26 | -27 |
| 323 | 139 | 5 | -16 | 0 | -15 | -14 | -16 | -4 | -28 | -18 | -26 | -26 |
| 324 | 139 | 25 | -16 | 0 | -15 | -14 | -16 | -4 | -28 | -18 | -26 | -26 |
| 325 | 139 | 45 | -16 | 0 | -15 | -15 | -15 | -4 | -26 | -19 | -26 | -26 |
| 326 | 140 | 5 | -16 | 0 | -15 | -15 | -15 | -4 | -26 | -18 | -26 | -26 |
| 327 | 140 | 25 | -16 | 0 | -14 | -14 | -15 | -4 | -25 | -18 | -26 | -29 |
| 328 | 140 | 45 | -16 | -0 | -14 | -13 | -14 | -2 | -25 | -25 | -26 | -29 |
| 329 | 141 | 5 | -16 | -0 | -14 | -11 | -12 | -0 | -25 | -22 | -26 | -26 |
| 330 | 141 | 25 | -16 | 0 | -14 | -10 | -12 | -0 | -20 | -22 | -26 | -28 |
| 331 | 141 | 45 | -15 | 1 | -13 | -10 | -10 | 0 | -19 | -19 | -26 | -28 |
| 332 | 142 | 5 | -14 | 0 | -14 | -9 | -8 | 2 | -18 | -18 | -26 | -27 |
| 333 | 142 | 24 | -21 | 0 | -14 | -10 | -8 | 3 | -19 | -20 | -26 | -27 |
| 334 | 142 | 44 | -24 | 0 | -13 | -9 | -8 | 3 | -18 | -20 | -26 | -27 |
| 335 | 143 | 4 | -24 | 1 | -14 | -10 | -8 | 3 | -20 | -20 | -26 | -27 |
| 336 | 143 | 24 | -26 | 2 | -14 | -11 | -8 | 2 | -22 | -21 | -26 | -27 |
| 337 | 143 | 43 | -27 | 0 | -14 | -11 | -9 | 2 | -24 | -24 | -26 | -27 |
| 338 | 144 | 1 | -24 | 1 | -14 | -12 | -9 | 1 | -24 | -24 | -26 | -27 |
| 339 | 144 | 23 | -24 | 2 | -14 | -12 | -9 | 0 | -25 | -25 | -26 | -27 |
| 340 | 144 | 43 | -28 | 0 | -14 | -11 | -9 | 0 | -27 | -27 | -26 | -27 |
| 341 | 145 | 2 | -29 | 1 | -14 | -12 | -10 | -1 | -26 | -27 | -26 | -27 |
| 342 | 145 | 22 | -26 | 0 | -14 | -12 | -10 | -1 | -27 | -27 | -26 | -27 |
| 343 | 145 | 42 | -29 | 0 | -14 | -11 | -10 | -1 | -28 | -28 | -26 | -27 |
| 344 | 146 | 2 | -26 | 0 | -14 | -12 | -10 | -0 | -27 | -27 | -26 | -27 |
| 345 | 146 | 22 | -26 | 0 | -14 | -12 | -10 | -0 | -27 | -27 | -26 | -27 |

| CO | SWEEP COUNT | TIME MIN. | SEC. | 6-07 ENG.1 ROOST PUMP OUTLET TEMP DEG.C | 6-08 ENG.1 BLEED AIR TEMP DEG.C | 6-09 ENG.1 LORD ISOL. AFT IN MNT DEG.C | 6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C | 6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C | 6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C | 6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C | 6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C | 6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C | 6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C |
|-----|----------------|--------------|------|---|--|--|--|--|--|--|---|---|---|
| 346 | 42 | 146 | | -27 | 1 | -14 | -12 | -9 | 0 | -26 | -20 | -28 | -28 |
| 347 | 2 | 147 | | -26 | 1 | -14 | -11 | -9 | 0 | -27 | -20 | -29 | -30 |
| 348 | 21 | 147 | | -24 | 1 | -14 | -12 | -9 | 0 | -28 | -30 | -29 | -31 |
| 349 | 41 | 147 | | -28 | 1 | -14 | -12 | -9 | 0 | -28 | -28 | -29 | -29 |
| 350 | 1 | 148 | | -24 | 1 | -14 | -14 | -8 | 0 | -24 | -29 | -29 | -38 |
| 351 | 21 | 148 | | -24 | 1 | -14 | -12 | -9 | 0 | -24 | -30 | -30 | -30 |
| 352 | 41 | 148 | | -27 | 2 | -14 | -13 | -9 | 0 | -27 | -28 | -28 | -29 |
| 353 | 0 | 149 | | -27 | 1 | -14 | -13 | -8 | 1 | -25 | -26 | -26 | -27 |
| 354 | 20 | 149 | | -27 | 2 | -14 | -13 | -8 | 1 | -26 | -26 | -26 | -26 |
| 355 | 40 | 149 | | -27 | 2 | -14 | -12 | -8 | 1 | -24 | -28 | -28 | -28 |
| 356 | 0 | 150 | | -28 | 2 | -14 | -13 | -8 | 1 | -27 | -28 | -28 | -28 |
| 357 | 19 | 150 | | -28 | 2 | -14 | -12 | -8 | 2 | -26 | -27 | -27 | -27 |
| 358 | 39 | 150 | | -28 | 3 | -14 | -14 | -8 | 2 | -26 | -27 | -27 | -28 |
| 359 | 59 | 150 | | -28 | 2 | -14 | -13 | -8 | 2 | -26 | -27 | -27 | -28 |
| 360 | 19 | 151 | | -28 | 1 | -14 | -12 | -8 | 2 | -26 | -27 | -27 | -28 |
| 361 | 39 | 151 | | -28 | 3 | -14 | -12 | -8 | 2 | -26 | -27 | -27 | -27 |
| 362 | 151 | 151 | | -29 | 2 | -14 | -12 | -8 | 2 | -25 | -27 | -27 | -27 |
| 363 | 58 | 151 | | -29 | 2 | -14 | -12 | -7 | 2 | -25 | -27 | -27 | -28 |
| 364 | 18 | 152 | | -24 | 2 | -14 | -13 | -7 | 2 | -25 | -27 | -27 | -28 |
| 365 | 38 | 152 | | -24 | 2 | -13 | -12 | -8 | 4 | -26 | -28 | -27 | -28 |
| 366 | 58 | 152 | | -29 | 1 | -14 | -12 | -8 | 3 | -26 | -28 | -28 | -29 |
| 367 | 17 | 153 | | -21 | 1 | -14 | -12 | -8 | 3 | -26 | -28 | -28 | -29 |
| 368 | 37 | 153 | | -25 | 0 | -14 | -13 | -8 | 3 | -27 | -28 | -28 | -28 |
| 369 | 57 | 153 | | -29 | 0 | -14 | -12 | -8 | 3 | -27 | -28 | -28 | -28 |
| 370 | 17 | 154 | | -24 | 0 | -14 | -12 | -9 | 3 | -28 | -28 | -29 | -29 |
| 371 | 36 | 154 | | -25 | 0 | -14 | -14 | -10 | 2 | -28 | -28 | -29 | -29 |
| 372 | 56 | 154 | | -29 | -1 | -14 | -13 | -9 | 2 | -26 | -28 | -28 | -29 |
| 373 | 16 | 155 | | -25 | -2 | -14 | -12 | -9 | 2 | -26 | -28 | -28 | -28 |
| 374 | 35 | 155 | | -25 | -2 | -14 | -13 | -9 | 2 | -26 | -28 | -27 | -28 |
| 375 | 55 | 155 | | -28 | -2 | -14 | -12 | -9 | 3 | -25 | -27 | -27 | -27 |
| 376 | 15 | 156 | | -24 | -3 | -14 | -12 | -9 | 3 | -25 | -27 | -27 | -27 |
| 377 | 35 | 156 | | -24 | -4 | -14 | -14 | -8 | 2 | -24 | -26 | -26 | -27 |
| 378 | 54 | 156 | | -24 | -4 | -14 | -13 | -8 | 2 | -24 | -26 | -26 | -26 |
| 379 | 14 | 157 | | -24 | -5 | -14 | -12 | -8 | 2 | -24 | -24 | -24 | -24 |
| 380 | 34 | 157 | | -24 | -4 | -14 | -12 | -6 | 3 | -21 | -23 | -23 | -23 |
| 381 | 54 | 157 | | -24 | -4 | -14 | -12 | -6 | 4 | -21 | -23 | -23 | -23 |
| 382 | 13 | 158 | | -24 | -4 | -13 | -12 | -7 | 4 | -20 | -22 | -22 | -22 |
| 383 | 33 | 158 | | -28 | -5 | -14 | -12 | -6 | 5 | -21 | -22 | -22 | -22 |
| 384 | 53 | 158 | | -29 | -5 | -14 | -12 | -6 | 5 | -21 | -22 | -22 | -22 |
| 385 | 12 | 159 | | -24 | -4 | -14 | -11 | -7 | 5 | -23 | -24 | -24 | -24 |
| 386 | 32 | 159 | | -24 | -4 | -14 | -12 | -7 | 5 | -24 | -24 | -24 | -24 |
| 387 | 52 | 159 | | -24 | -5 | -14 | -13 | -8 | 4 | -24 | -24 | -24 | -24 |
| 388 | 11 | 160 | | -24 | -5 | -14 | -13 | -8 | 4 | -25 | -26 | -26 | -26 |
| 389 | 31 | 160 | | -29 | -6 | -14 | -13 | -8 | 5 | -26 | -26 | -26 | -26 |
| 390 | 51 | 160 | | -24 | -5 | -14 | -13 | -8 | 5 | -26 | -26 | -26 | -26 |
| 391 | 10 | 161 | | -24 | -6 | -14 | -13 | -8 | 3 | -28 | -28 | -28 | -28 |
| 392 | 30 | 161 | | -24 | -6 | -14 | -12 | -8 | 3 | -28 | -28 | -28 | -28 |
| 393 | 50 | 161 | | -24 | -6 | -14 | -13 | -8 | 3 | -28 | -28 | -28 | -28 |
| 394 | 9 | 162 | | -29 | -7 | -14 | -13 | -9 | 2 | -28 | -29 | -29 | -29 |
| 395 | 29 | 162 | | -24 | -8 | -14 | -14 | -10 | 2 | -28 | -29 | -29 | -29 |
| 396 | 33 | 163 | | -24 | -8 | -14 | -13 | -10 | 2 | -28 | -29 | -29 | -29 |

| -01 SNEEP COUNT | 5-02 TIME MIN. | 6-03 TIME SEC. | 6-07 ENG.1 ROOST PUMP OUTLET TEMP DEG.C | 6-08 ENG.1 9LED AIR TEMP DEG.C | 6-09 ENG.1 LORD ISOL. MNT AFTOUT DEG.C | 6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C | 6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C | 6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C | 6-13 ENG.1 INLET LIF SURF. 12.00 DEG.C | 6-14 ENG.1 INLET LIF SURF. 1.00 DEG.C | 6-15 ENG.1 INLET LIF SURF. 2.00 DEG.C | 6-16 ENG.1 INLET LIF SURF. 2.45 DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|--|--|--|--|---|---|---|
| 396 | 163 | 52 | -29 | -9 | -14 | -12 | -10 | 2 | -28 | -29 | -29 | -30 |
| 397 | 164 | 12 | -26 | -9 | -14 | -12 | -10 | 1 | -28 | -29 | -30 | -30 |
| 398 | 167 | 1 | -29 | -10 | -14 | -13 | -9 | 2 | -26 | -28 | -29 | -29 |
| 399 | 167 | 20 | -25 | -10 | -14 | -12 | -10 | 2 | -26 | -27 | -27 | -28 |
| 400 | 167 | 40 | -21 | -9 | -14 | -13 | -9 | 2 | -26 | -27 | -27 | -28 |
| 401 | 169 | 35 | -24 | -10 | -14 | -12 | -9 | 1 | -24 | -26 | -26 | -27 |
| 402 | 172 | 9 | -27 | -10 | -15 | -12 | -13 | -1 | -24 | -26 | -26 | -26 |
| 403 | 172 | 20 | -26 | -9 | -15 | -12 | -13 | -0 | -25 | -26 | -26 | -26 |
| 404 | 172 | 40 | -27 | -9 | -16 | -12 | -13 | -1 | -31 | -28 | -28 | -30 |
| 405 | 174 | 42 | -28 | -10 | -14 | -12 | -10 | -0 | -26 | -27 | -27 | -27 |
| 406 | 175 | 2 | -28 | -11 | -14 | -12 | -12 | -0 | -28 | -29 | -31 | -31 |
| 407 | 175 | 21 | -28 | -12 | -14 | -13 | -14 | -1 | -34 | -33 | -37 | -38 |
| 408 | 177 | 16 | -24 | -14 | -16 | -12 | -17 | -4 | -34 | -34 | -34 | -36 |
| 409 | 178 | 7 | -28 | -14 | -16 | -15 | -18 | -5 | -33 | -35 | -35 | -35 |
| 410 | 178 | 26 | -27 | -14 | -16 | -14 | -19 | -2 | -35 | -35 | -36 | -36 |
| 411 | 178 | 46 | -27 | -14 | -16 | -14 | -19 | -6 | -34 | -35 | -35 | -36 |
| 412 | 179 | 5 | -27 | -13 | -16 | -15 | -20 | -2 | -32 | -32 | -32 | -34 |
| 413 | 179 | 25 | -27 | -13 | -16 | -15 | -20 | -6 | -35 | -34 | -30 | -34 |
| 414 | 179 | 45 | -27 | -13 | -16 | -15 | -21 | -6 | -36 | -36 | -35 | -34 |
| 415 | 180 | 4 | -28 | -13 | -15 | -16 | -22 | -9 | -33 | -33 | -31 | -33 |
| 416 | 180 | 24 | -28 | -13 | -17 | -16 | -22 | -9 | -36 | -36 | -34 | -34 |
| 417 | 180 | 43 | -28 | -12 | -16 | -17 | -23 | -10 | -38 | -37 | -36 | -36 |
| 418 | 181 | 3 | -27 | -13 | -17 | -16 | -24 | -10 | -38 | -37 | -38 | -36 |
| 419 | 181 | 22 | -27 | -13 | -18 | -16 | -24 | -11 | -36 | -36 | -35 | -35 |
| 420 | 181 | 42 | -27 | -12 | -18 | -16 | -24 | -11 | -35 | -34 | -35 | -35 |
| 421 | 182 | 2 | -27 | -12 | -18 | -16 | -23 | -11 | -34 | -34 | -34 | -34 |
| 422 | 182 | 21 | -25 | -12 | -19 | -16 | -23 | -11 | -32 | -34 | -34 | -34 |
| 423 | 182 | 41 | -26 | -11 | -17 | -16 | -23 | -11 | -34 | -34 | -34 | -34 |
| 424 | 183 | 0 | -27 | -12 | -18 | -16 | -23 | -12 | -34 | -34 | -34 | -34 |
| 425 | 183 | 20 | -26 | -11 | -18 | -16 | -23 | -12 | -34 | -32 | -33 | -33 |
| 426 | 183 | 39 | -27 | -11 | -18 | -16 | -23 | -12 | -34 | -34 | -34 | -34 |
| 427 | 183 | 59 | -27 | -11 | -18 | -16 | -24 | -12 | -34 | -35 | -35 | -35 |
| 428 | 184 | 18 | -25 | -10 | -18 | -16 | -23 | -11 | -34 | -35 | -35 | -34 |
| 429 | 184 | 38 | -25 | -10 | -18 | -17 | -24 | -12 | -34 | -35 | -36 | -36 |
| 430 | 184 | 58 | -24 | -10 | -19 | -17 | -24 | -12 | -34 | -35 | -35 | -35 |
| 431 | 185 | 18 | -24 | -10 | -19 | -17 | -24 | -12 | -33 | -34 | -34 | -34 |
| 432 | 185 | 30 | -26 | -9 | -19 | -17 | -24 | -12 | -32 | -33 | -34 | -34 |
| 433 | 185 | 59 | -25 | -8 | -18 | -18 | -24 | -12 | -31 | -32 | -32 | -34 |
| 434 | 186 | 18 | -25 | -7 | -19 | -19 | -24 | -12 | -31 | -33 | -33 | -34 |
| 435 | 186 | 37 | -25 | -6 | -19 | -19 | -24 | -12 | -30 | -32 | -32 | -34 |
| 436 | 186 | 57 | -25 | -6 | -19 | -19 | -24 | -12 | -30 | -31 | -31 | -32 |
| 437 | 187 | 16 | -24 | -5 | -19 | -19 | -24 | -12 | -28 | -29 | -29 | -33 |
| 438 | 187 | 36 | -24 | -5 | -19 | -19 | -24 | -13 | -28 | -29 | -30 | -33 |
| 439 | 187 | 55 | -24 | -4 | -19 | -19 | -24 | -13 | -26 | -29 | -30 | -32 |
| 440 | 189 | 43 | -21 | -1 | -19 | -19 | -24 | -12 | -29 | -29 | -30 | -32 |
| 441 | 191 | 16 | -20 | 0 | -19 | -19 | -23 | -14 | -25 | -24 | -24 | -30 |
| 442 | 191 | 36 | -20 | 0 | -20 | -19 | -23 | -14 | -18 | -24 | -26 | -30 |
| 443 | 191 | 55 | -20 | 0 | -20 | -19 | -23 | -14 | -17 | -23 | -26 | -30 |
| 444 | 192 | 15 | -19 | 0 | -20 | -19 | -23 | -14 | -17 | -23 | -25 | -30 |
| 445 | 194 | 5 | -19 | 2 | -20 | -19 | -23 | -15 | -16 | -22 | -25 | -29 |
| | | | -21 | | | -19 | -23 | -15 | -15 | -22 | -25 | -30 |

| WEEP COUNT | TIME VIN. | 6-07 TIME SEC. | 6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C | 6-08 ENG.1 BLEED AIR TEMP DEG.C | 6-09 ENG.1 LORD ISOL. AFT IN DEG.C | 6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C | 6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C | 6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C | 6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C | 6-14 ENG.1 INLET LIP SURF. 1.08 DEG.C | 6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C | 6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C |
|---------------|--------------|----------------------|---|--|---|--|--|--|--|---|---|---|
| 446 | 198 | 21 | -23 | -1 | -26 | -22 | -29 | -22 | -20 | -26 | -31 | -35 |
| 447 | 198 | 40 | -24 | -1 | -27 | -23 | -30 | -23 | -20 | -27 | -32 | -36 |
| 448 | 199 | 0 | -24 | -2 | -26 | -24 | -30 | -24 | -22 | -28 | -33 | -38 |
| 449 | 207 | 0 | -22 | -8 | -28 | -25 | -29 | -25 | -18 | -25 | -33 | -36 |
| 450 | 207 | 28 | -22 | -0 | -27 | -25 | -29 | -25 | -18 | -24 | -31 | -36 |
| 451 | 207 | 47 | -22 | -0 | -26 | -25 | -29 | -25 | -18 | -24 | -30 | -35 |
| 452 | 208 | 8 | -22 | -0 | -28 | -25 | -29 | -25 | -17 | -24 | -30 | -35 |
| 453 | 212 | 28 | -22 | -0 | -27 | -25 | -28 | -25 | -18 | -24 | -30 | -34 |
| 454 | 212 | 48 | -21 | -0 | -26 | -25 | -28 | -25 | -18 | -23 | -29 | -34 |
| 455 | 213 | 7 | -21 | 0 | -26 | -25 | -29 | -25 | -18 | -23 | -30 | -34 |
| 456 | 213 | 20 | -21 | 0 | -27 | -25 | -28 | -25 | -18 | -24 | -29 | -34 |
| 457 | 217 | 47 | -23 | -2 | -27 | -27 | -30 | -27 | -25 | -27 | -33 | -37 |
| 458 | 218 | 6 | -23 | -2 | -27 | -27 | -30 | -27 | -24 | -27 | -33 | -37 |
| 459 | 218 | 28 | -23 | -2 | -28 | -27 | -30 | -27 | -24 | -26 | -33 | -36 |
| 460 | 222 | 44 | -23 | -4 | -28 | -27 | -30 | -27 | -27 | -29 | -34 | -38 |
| 461 | 223 | 4 | -23 | -4 | -27 | -27 | -29 | -27 | -28 | -28 | -33 | -36 |
| 462 | 223 | 23 | -23 | -4 | -27 | -27 | -29 | -27 | -27 | -29 | -33 | -37 |
| 463 | 227 | 2 | -22 | -4 | -25 | -26 | -28 | -26 | -25 | -29 | -32 | -36 |
| 464 | 227 | 21 | -22 | -4 | -26 | -26 | -28 | -26 | -25 | -29 | -32 | -36 |
| 465 | 227 | 41 | -22 | -4 | -26 | -26 | -28 | -26 | -25 | -29 | -32 | -36 |
| 466 | 231 | 19 | -22 | -4 | -24 | -26 | -28 | -26 | -24 | -28 | -32 | -35 |
| 467 | 229 | 59 | -22 | -4 | -25 | -26 | -27 | -26 | -24 | -28 | -32 | -35 |
| 468 | 231 | 58 | -22 | -4 | -25 | -26 | -28 | -26 | -24 | -29 | -32 | -34 |
| 469 | 235 | 36 | -23 | -5 | -26 | -27 | -28 | -27 | -25 | -30 | -32 | -35 |
| 470 | 235 | 56 | -23 | -6 | -25 | -26 | -28 | -26 | -25 | -30 | -33 | -35 |
| 471 | 236 | 15 | -24 | -6 | -26 | -27 | -28 | -27 | -25 | -30 | -32 | -36 |
| 472 | 239 | 53 | -25 | -8 | -26 | -28 | -29 | -28 | -26 | -30 | -32 | -36 |
| 473 | 248 | 12 | -25 | -8 | -27 | -28 | -29 | -28 | -26 | -29 | -32 | -35 |
| 474 | 248 | 31 | -25 | -8 | -27 | -28 | -29 | -28 | -26 | -29 | -32 | -35 |
| 475 | 248 | 9 | -24 | -9 | -26 | -28 | -29 | -28 | -26 | -29 | -32 | -36 |
| 476 | 244 | 20 | -26 | -9 | -27 | -29 | -30 | -29 | -26 | -28 | -32 | -36 |
| 477 | 244 | 47 | -24 | -9 | -27 | -29 | -30 | -29 | -26 | -29 | -32 | -36 |
| 478 | 248 | 24 | -24 | -8 | -26 | -28 | -29 | -28 | -26 | -28 | -32 | -36 |
| 479 | 248 | 47 | -24 | -8 | -26 | -28 | -29 | -28 | -26 | -28 | -32 | -36 |
| 480 | 249 | 3 | -24 | -7 | -24 | -26 | -27 | -26 | -24 | -26 | -29 | -32 |
| 481 | 249 | 3 | -24 | -7 | -24 | -26 | -27 | -26 | -24 | -26 | -29 | -32 |

MW-57C S/MN 68-10354
 ARCTIC TEST
 9 JANUARY 1971
 RUN NO. 2 -40 DEG C / -40 DEG F

| -01 SWEEP COUNT | 5-02 TIME "IN" | 6-03 TIME SEC. | 6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C | 6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C | 6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C | 6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C | 6-21 ENG.1 COMPT UPPER FWD AIRTMP DEG.C | 6-22 ENG.1 COMPT LOWER FWD AIRTMP DEG.C | 6-23 ENG.1 COMPT UPPER AFT AIRTMP DEG.C | 6-24 ENG.1 COMPT LOWER AFT AIRTMP DEG.C | 6-25 ENG.1 ACCESS 5-BOX (STRY) TEMP DEG.C | 6-26 ENG.1 ACCESS 5-BOX (F F) TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|---|---|---|---|---|---|--|
| 1 | 0 | 7 | -32 | -32 | -32 | -32 | -32 | -32 | -31 | -33 | -34 | -34 |
| 2 | 0 | 27 | -32 | -32 | -31 | -32 | -32 | -32 | -31 | -32 | -34 | -34 |
| 3 | 0 | 47 | -32 | -32 | -32 | -32 | -32 | -32 | -31 | -32 | -34 | -34 |
| 4 | 1 | 7 | -32 | -32 | -32 | -32 | -32 | -32 | -30 | -33 | -34 | -34 |
| 5 | 1 | 27 | -32 | -32 | -32 | -32 | -32 | -32 | -31 | -32 | -35 | -34 |
| 6 | 1 | 47 | -32 | -32 | -32 | -32 | -32 | -32 | -31 | -33 | -34 | -34 |
| 7 | 2 | 7 | -32 | -32 | -32 | -32 | -32 | -32 | -31 | -32 | -34 | -34 |
| 8 | 2 | 27 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -34 | -34 |
| 9 | 2 | 47 | -32 | -32 | -32 | -32 | -32 | -32 | -31 | -32 | -34 | -34 |
| 10 | 3 | 7 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -34 | -34 |
| 11 | 3 | 27 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -34 | -34 |
| 12 | 3 | 47 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -34 | -35 |
| 13 | 4 | 7 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -34 | -35 |
| 14 | 4 | 27 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 15 | 4 | 47 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -34 | -35 |
| 16 | 5 | 7 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 17 | 5 | 27 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 18 | 5 | 47 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -34 |
| 19 | 6 | 7 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -34 | -34 |
| 20 | 6 | 27 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -34 | -34 |
| 21 | 6 | 47 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -34 |
| 22 | 7 | 7 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -34 | -35 |
| 23 | 7 | 27 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -34 | -35 |
| 24 | 7 | 47 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -34 | -35 |
| 25 | 8 | 7 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 26 | 8 | 27 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 27 | 8 | 47 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 28 | 9 | 7 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 29 | 9 | 27 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 30 | 9 | 47 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 31 | 10 | 7 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 32 | 12 | 27 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 33 | 17 | 7 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 34 | 17 | 27 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 35 | 17 | 47 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 36 | 21 | 7 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 37 | 21 | 27 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 38 | 21 | 47 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 39 | 22 | 7 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 40 | 22 | 27 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 41 | 23 | 47 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 42 | 24 | 7 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 43 | 24 | 27 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 44 | 24 | 47 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |
| 45 | 25 | 11 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -35 | -35 |

| -01 SWEEP COUNT | 1-02 TIME *IN. | 6-03 TIME SEC. | 6-18 ENG.1 INLET LIP SURF. 3.15 DEG.C | 5-19 ENG.1 INLET LIP SURF. 5.00 DEG.C | 6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C | 6-21 ENG.1 COMPT UPPER FWD AIRTMP DEG.C | 6-22 ENG.1 COMPT LOWER FWD AIRTMP DEG.C | 6-23 ENG.1 COMPT UPPER AFT AIRTMP DEG.C | 6-24 ENG.1 COMPT LOWER AFT AIRTMP DEG.C | 6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C | 6-26 ENG.1 ACCESS G.BOX (IF FR) TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|---|---|---|---|---|--|
| 46 | 25 | 31 | -34 | -34 | -34 | -34 | -35 | -35 | -34 | -37 | -38 |
| 47 | 25 | 52 | -34 | -34 | -34 | -34 | -35 | -34 | -35 | -37 | -37 |
| 48 | 26 | 12 | -34 | -34 | -34 | -34 | -34 | -35 | -34 | -37 | -37 |
| 49 | 26 | 32 | -34 | -34 | -34 | -34 | -35 | -34 | -35 | -37 | -37 |
| 50 | 26 | 53 | -34 | -34 | -34 | -34 | -35 | -35 | -35 | -37 | -38 |
| 51 | 27 | 13 | -34 | -34 | -34 | -34 | -35 | -35 | -35 | -37 | -38 |
| 52 | 27 | 55 | -34 | -34 | -34 | -34 | -35 | -34 | -35 | -38 | -37 |
| 53 | 28 | 34 | -34 | -34 | -34 | -34 | -35 | -35 | -34 | -38 | -38 |
| 54 | 30 | 34 | -34 | -34 | -34 | -34 | -35 | -35 | -36 | -38 | -38 |
| 55 | 30 | 36 | -34 | -34 | -34 | -34 | -35 | -35 | -36 | -38 | -38 |
| 56 | 34 | 57 | -35 | -35 | -35 | -35 | -35 | -35 | -34 | -38 | -38 |
| 57 | 34 | 35 | -35 | -35 | -35 | -35 | -36 | -35 | -35 | -38 | -38 |
| 58 | 35 | 38 | -34 | -34 | -34 | -34 | -35 | -34 | -35 | -38 | -38 |
| 59 | 39 | 39 | -35 | -35 | -35 | -35 | -35 | -35 | -36 | -38 | -38 |
| 60 | 39 | 6 | -35 | -35 | -35 | -35 | -37 | -35 | -36 | -38 | -38 |
| 61 | 39 | 27 | -35 | -35 | -35 | -35 | -36 | -36 | -36 | -38 | -38 |
| 62 | 40 | 48 | -34 | -34 | -34 | -34 | -35 | -35 | -36 | -38 | -38 |
| 63 | 40 | 8 | -35 | -35 | -35 | -35 | -36 | -35 | -36 | -38 | -38 |
| 64 | 43 | 36 | -36 | -36 | -36 | -36 | -37 | -36 | -36 | -38 | -38 |
| 65 | 43 | 64 | -36 | -36 | -36 | -36 | -37 | -36 | -36 | -38 | -38 |
| 66 | 44 | 17 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -38 | -38 |
| 67 | 44 | 38 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -38 | -38 |
| 68 | 46 | 7 | -37 | -37 | -37 | -37 | -36 | -36 | -36 | -38 | -38 |
| 69 | 52 | 37 | -37 | -37 | -37 | -37 | -36 | -36 | -36 | -38 | -38 |
| 70 | 52 | 58 | -37 | -37 | -37 | -37 | -37 | -37 | -37 | -38 | -38 |
| 71 | 53 | 0 | -37 | -37 | -37 | -37 | -36 | -36 | -36 | -38 | -38 |
| 72 | 54 | 39 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -38 | -38 |
| 73 | 54 | 0 | -36 | -36 | -36 | -36 | -37 | -36 | -36 | -38 | -38 |
| 74 | 54 | 21 | -36 | -36 | -36 | -36 | -37 | -36 | -36 | -38 | -38 |
| 75 | 54 | 42 | -36 | -36 | -36 | -36 | -37 | -36 | -36 | -38 | -38 |
| 76 | 55 | 2 | -35 | -35 | -35 | -35 | -36 | -36 | -36 | -38 | -38 |
| 77 | 55 | 23 | -37 | -37 | -37 | -37 | -37 | -37 | -37 | -38 | -38 |
| 78 | 55 | 44 | -38 | -38 | -38 | -38 | -38 | -38 | -38 | -38 | -38 |
| 79 | 56 | 5 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -38 | -38 |
| 80 | 56 | 26 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -38 | -38 |
| 81 | 56 | 47 | -35 | -35 | -35 | -35 | -36 | -36 | -36 | -38 | -38 |
| 82 | 57 | 7 | -38 | -38 | -38 | -38 | -38 | -38 | -38 | -38 | -38 |
| 83 | 57 | 28 | -35 | -35 | -35 | -35 | -36 | -36 | -36 | -38 | -38 |
| 84 | 57 | 49 | -38 | -38 | -38 | -38 | -38 | -38 | -38 | -38 | -38 |
| 85 | 50 | 9 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -40 | -40 |
| 86 | 58 | 38 | -38 | -38 | -38 | -38 | -38 | -38 | -38 | -40 | -40 |
| 87 | 58 | 50 | -39 | -39 | -39 | -39 | -39 | -39 | -39 | -40 | -40 |
| 88 | 59 | 11 | -39 | -39 | -39 | -39 | -39 | -39 | -39 | -40 | -40 |
| 89 | 59 | 32 | -37 | -37 | -37 | -37 | -38 | -37 | -37 | -40 | -40 |
| 90 | 59 | 52 | -38 | -38 | -38 | -38 | -38 | -38 | -38 | -40 | -40 |
| 91 | 60 | 13 | -38 | -38 | -38 | -38 | -38 | -38 | -38 | -40 | -40 |
| 92 | 60 | 34 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -40 | -40 |
| 93 | 60 | 54 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -40 | -40 |
| 94 | 61 | 15 | -38 | -38 | -38 | -38 | -38 | -38 | -38 | -40 | -40 |
| 95 | 61 | 35 | -39 | -39 | -39 | -39 | -39 | -39 | -39 | -40 | -40 |
| 96 | 61 | 56 | -38 | -38 | -38 | -38 | -39 | -39 | -39 | -40 | -40 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 6-03 TIME SEC. | 6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C | 6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C | 6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C | 6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C | 6-21 ENG.1 COMPT UPPER FWD AIRTMP DEG.C | 6-22 ENG.1 COMPT LOWER FWD AIRTMP DEG.C | 6-23 ENG.1 COMPT UPPER AFT AIRTMP DEG.C | 6-24 ENG.1 COMPT LOWER AFT AIRTMP DEG.C | 6-25 ENG.1 ACCESS 2.BOX (STR) TEMP DEG.C | 6-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|---|---|---|---|---|--|---|
| 96 | 62 | 16 | -36 | -36 | -36 | -36 | -36 | -39 | -39 | -36 | -40 | -48 |
| 97 | 62 | 37 | -36 | -36 | -36 | -36 | -36 | -39 | -39 | -36 | -40 | -48 |
| 98 | 62 | 58 | -36 | -36 | -36 | -36 | -36 | -39 | -39 | -36 | -40 | -48 |
| 99 | 63 | 18 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 100 | 63 | 39 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 101 | 63 | 59 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 102 | 64 | 20 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 103 | 64 | 40 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 104 | 65 | 1 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 105 | 65 | 21 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 106 | 65 | 42 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 107 | 66 | 3 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 108 | 66 | 23 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 109 | 66 | 44 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 110 | 67 | 4 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 111 | 67 | 25 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 112 | 67 | 46 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 113 | 68 | 6 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 114 | 68 | 27 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 115 | 68 | 48 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 116 | 69 | 9 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 117 | 69 | 38 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 118 | 69 | 58 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 119 | 70 | 11 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 120 | 70 | 22 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 121 | 70 | 52 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 122 | 71 | 31 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 123 | 71 | 33 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 124 | 71 | 54 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 125 | 72 | 14 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 126 | 72 | 35 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 127 | 72 | 55 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 128 | 73 | 15 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 129 | 73 | 36 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 130 | 73 | 57 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 131 | 74 | 17 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 132 | 74 | 38 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 133 | 74 | 58 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 134 | 75 | 19 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 135 | 75 | 39 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 136 | 75 | 59 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 137 | 76 | 20 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 138 | 76 | 40 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 139 | 77 | 1 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 140 | 77 | 21 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 141 | 77 | 41 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 142 | 78 | 2 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 143 | 78 | 22 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 144 | 78 | 42 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |
| 145 | 79 | 2 | -36 | -36 | -36 | -36 | -39 | -39 | -39 | -36 | -40 | -48 |

| -01 SLEEP COUNT | 5-02 TIME MIN. | 6-03 TIME SEC. | 6-17 ENG.1 INLET LIP CORRF. DEC.C | 6-18 ENG.1 INLET LIP SURF. 4.00 DEC.C | 6-19 ENG.1 INLET LIP SURF. 5.00 DEC.C | 6-20 ENG.1 INLET LIP SURF. 6.00 DEC.C | 6-21 ENG.1 COMPT UPPER FNO AIRTMP DEC.C | 6-22 ENG.1 COMPT LOWER FNO AIRTMP DEC.C | 6-23 ENG.1 COMPT UPPER AFT AIRTMP DEC.C | 6-24 ENG.1 COMPT LOWER AFT AIRTMP DEC.C | 6-25 ENG.1 ACCESS 3.BOX (STR) TEMP DEC.C | 6-26 ENG.1 ACCESS 3.BOX (F TR) TEMP DEC.C |
|-----------------------|----------------------|----------------------|--|---|---|---|---|---|---|---|--|---|
| 146 | 73 | 22 | -32 | -31 | -29 | -28 | -22 | -28 | -24 | -25 | 12 | 19 |
| 147 | 79 | 42 | -33 | -30 | -28 | -26 | -22 | -26 | -23 | -24 | 13 | 20 |
| 148 | 80 | 3 | -32 | -30 | -28 | -27 | -21 | -26 | -22 | -24 | 12 | 22 |
| 149 | 80 | 23 | -33 | -32 | -29 | -28 | -21 | -28 | -24 | -25 | 10 | 23 |
| 150 | 80 | 44 | -34 | -31 | -29 | -29 | -21 | -28 | -24 | -25 | 10 | 25 |
| 151 | 81 | 5 | -34 | -29 | -28 | -30 | -19 | -29 | -24 | -26 | 10 | 26 |
| 152 | 81 | 25 | -34 | -29 | -28 | -16 | -20 | -29 | -24 | -26 | 9 | 26 |
| 153 | 81 | 45 | -35 | -35 | 41 | 20 | -19 | -30 | -22 | -24 | 9 | 28 |
| 154 | 82 | 6 | 38 | 35 | 41 | 20 | -15 | -30 | -18 | -24 | 9 | 29 |
| 155 | 82 | 26 | 39 | 37 | 41 | 7 | -15 | -17 | -19 | -23 | 9 | 32 |
| 156 | 82 | 46 | 11 | 11 | 14 | -7 | -15 | -26 | -19 | -22 | 9 | 34 |
| 157 | 83 | 67 | -3 | -2 | 0 | -17 | -15 | -26 | -20 | -22 | 8 | 34 |
| 158 | 83 | 27 | -17 | -15 | -14 | -21 | -15 | -26 | -20 | -22 | 8 | 35 |
| 159 | 83 | 47 | -23 | -22 | -21 | -23 | -17 | -25 | -20 | -22 | 8 | 35 |
| 160 | 84 | 7 | -27 | -24 | -21 | -24 | -16 | -24 | -20 | -22 | 8 | 36 |
| 161 | 84 | 27 | -30 | -27 | -23 | -24 | -17 | -24 | -20 | -22 | 8 | 37 |
| 162 | 84 | 46 | -31 | -29 | -25 | -26 | -17 | -27 | -21 | -24 | 7 | 37 |
| 163 | 85 | 8 | -31 | -29 | -25 | -26 | -17 | -27 | -21 | -24 | 7 | 37 |
| 164 | 85 | 28 | -33 | -30 | -27 | -27 | -18 | -26 | -21 | -23 | 7 | 38 |
| 165 | 85 | 48 | -34 | -30 | -26 | -27 | -18 | -27 | -21 | -23 | 7 | 38 |
| 166 | 86 | 9 | -33 | -30 | -27 | -28 | -17 | -28 | -22 | -24 | 6 | 38 |
| 167 | 86 | 29 | -33 | -30 | -27 | -28 | -16 | -28 | -22 | -24 | 6 | 38 |
| 168 | 86 | 49 | -34 | -30 | -27 | -28 | -17 | -27 | -22 | -23 | 7 | 38 |
| 169 | 87 | 9 | -33 | -31 | -28 | -28 | -17 | -27 | -22 | -24 | 7 | 38 |
| 170 | 87 | 30 | -34 | -30 | -28 | -28 | -18 | -27 | -23 | -24 | 6 | 38 |
| 171 | 87 | 50 | -35 | -32 | -29 | -28 | -18 | -28 | -24 | -24 | 6 | 38 |
| 172 | 88 | 10 | -35 | -33 | -29 | -29 | -19 | -29 | -24 | -26 | 5 | 38 |
| 173 | 88 | 31 | -34 | -33 | -30 | -30 | -19 | -29 | -24 | -26 | 5 | 38 |
| 174 | 88 | 51 | -36 | -34 | -31 | -32 | -20 | -30 | -24 | -27 | 5 | 38 |
| 175 | 89 | 11 | -34 | -31 | -27 | -28 | -20 | -28 | -23 | -26 | 5 | 38 |
| 176 | 89 | 31 | -34 | -29 | -26 | -28 | -19 | -28 | -22 | -25 | 5 | 38 |
| 177 | 89 | 52 | -35 | -32 | -28 | -29 | -19 | -29 | -22 | -25 | 5 | 38 |
| 178 | 90 | 12 | -35 | -32 | -28 | -30 | -19 | -29 | -22 | -26 | 5 | 38 |
| 179 | 90 | 32 | -35 | -32 | -28 | -30 | -19 | -29 | -22 | -26 | 5 | 38 |
| 180 | 90 | 52 | -36 | -33 | -29 | -29 | -20 | -29 | -23 | -24 | 5 | 38 |
| 181 | 91 | 12 | -36 | -33 | -29 | -29 | -20 | -29 | -23 | -24 | 5 | 38 |
| 182 | 91 | 32 | -37 | -34 | -30 | -29 | -19 | -29 | -23 | -24 | 4 | 38 |
| 183 | 91 | 53 | -36 | -34 | -30 | -29 | -20 | -29 | -23 | -24 | 4 | 38 |
| 184 | 92 | 13 | -39 | -32 | -24 | -29 | -21 | -30 | -25 | -27 | 3 | 38 |
| 185 | 92 | 33 | -39 | -32 | -26 | -30 | -22 | -30 | -26 | -28 | 3 | 38 |
| 186 | 92 | 53 | -39 | -31 | -26 | -30 | -22 | -30 | -26 | -28 | 3 | 38 |
| 187 | 93 | 14 | -39 | -34 | -26 | -26 | -21 | -29 | -25 | -25 | 4 | 38 |
| 188 | 93 | 34 | -37 | -32 | -26 | -26 | -21 | -27 | -24 | -24 | 4 | 38 |
| 189 | 93 | 54 | -38 | -34 | -29 | -30 | -22 | -27 | -25 | -24 | 3 | 38 |
| 190 | 94 | 14 | -36 | -31 | -27 | -27 | -23 | -27 | -24 | -24 | 3 | 38 |
| 191 | 94 | 34 | -34 | -31 | -27 | -27 | -23 | -27 | -24 | -24 | 3 | 38 |
| 192 | 94 | 55 | -37 | -34 | -28 | -29 | -21 | -27 | -25 | -26 | 2 | 38 |
| 193 | 95 | 15 | -37 | -34 | -28 | -31 | -26 | -27 | -25 | -26 | 2 | 38 |
| 194 | 95 | 35 | -31 | -30 | -26 | -26 | -24 | -26 | -24 | -24 | 3 | 38 |
| 195 | 95 | 55 | -28 | -25 | -25 | -24 | -20 | -23 | -21 | -21 | 4 | 38 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C | 6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C | 6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C | 6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C | 6-21 ENG.1 COMPT UPPER FMD AIRTMP DEG.C | 6-22 ENG.1 COMPT LOWER FMD AIRTMP DEG.C | 6-23 ENG.1 COMPT UPPER AFT AIRTMP DEG.C | 6-24 ENG.1 COMPT LOWER AFT AIRTMP DEG.C | 6-25 ENG.1 ACCESS CABOX (STRY) TEMP DEG.C | 6-26 ENG.1 ACCESS G.BOX (IF FMD) TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|---|---|---|---|---|---|---|
| 196 | 96 | 16 | -25 | -25 | -22 | -20 | -16 | -21 | 2 | -17 | 5 | 36 |
| 197 | 96 | 36 | -24 | -25 | -23 | -21 | -16 | -20 | -0 | -16 | 4 | 36 |
| 198 | 96 | 56 | -26 | -26 | -24 | -24 | -17 | -22 | -1 | -19 | 4 | 36 |
| 199 | 97 | 16 | -22 | -22 | -21 | -22 | -16 | -20 | -2 | -17 | 5 | 37 |
| 200 | 97 | 37 | -24 | -22 | -20 | -20 | -15 | -19 | -3 | -14 | 5 | 38 |
| 201 | 97 | 57 | -23 | -21 | -20 | -22 | -15 | -20 | -4 | -15 | 5 | 37 |
| 202 | 97 | 17 | -23 | -22 | -20 | -22 | -15 | -21 | -6 | -16 | 5 | 38 |
| 203 | 98 | 37 | -25 | -24 | -22 | -22 | -15 | -22 | -6 | -16 | 5 | 38 |
| 204 | 98 | 57 | -26 | -24 | -23 | -24 | -17 | -23 | -6 | -17 | 5 | 37 |
| 205 | 99 | 18 | -25 | -25 | -24 | -23 | -17 | -23 | -7 | -18 | 5 | 37 |
| 206 | 99 | 38 | -25 | -26 | -26 | -26 | -17 | -23 | -10 | -20 | 4 | 36 |
| 207 | 99 | 58 | -29 | -28 | -25 | -27 | -21 | -25 | -10 | -21 | 4 | 36 |
| 208 | 100 | 18 | -27 | -29 | -26 | -28 | -23 | -25 | -10 | -22 | 4 | 36 |
| 209 | 100 | 39 | -30 | -30 | -26 | -27 | -24 | -24 | -10 | -22 | 4 | 36 |
| 210 | 100 | 59 | -28 | -26 | -27 | -27 | -23 | -24 | -10 | -21 | 5 | 36 |
| 211 | 101 | 19 | -28 | -26 | -25 | -24 | -22 | -24 | -6 | -20 | 5 | 36 |
| 212 | 101 | 39 | -25 | -24 | -22 | -22 | -18 | -21 | -4 | -18 | 5 | 37 |
| 213 | 102 | 0 | -27 | -27 | -22 | -19 | -18 | -20 | 0 | -17 | 5 | 37 |
| 214 | 102 | 20 | -26 | -26 | -22 | -21 | -17 | -21 | -0 | -16 | 5 | 37 |
| 215 | 102 | 40 | -25 | -25 | -22 | -22 | -17 | -21 | -3 | -18 | 5 | 38 |
| 216 | 103 | 1 | -26 | -26 | -24 | -23 | -18 | -22 | -7 | -19 | 5 | 37 |
| 217 | 103 | 21 | -21 | -26 | -25 | -23 | -19 | -23 | -8 | -19 | 5 | 37 |
| 218 | 103 | 41 | -29 | -26 | -25 | -26 | -20 | -24 | -9 | -28 | 5 | 38 |
| 219 | 104 | 1 | -31 | -29 | -25 | -22 | -21 | -25 | -11 | -20 | 5 | 36 |
| 220 | 104 | 22 | -29 | -27 | -24 | -24 | -20 | -23 | -8 | -19 | 5 | 37 |
| 221 | 104 | 42 | -28 | -28 | -25 | -24 | -20 | -23 | -5 | -20 | 5 | 37 |
| 222 | 105 | 2 | -26 | -26 | -23 | -20 | -18 | -20 | 2 | -17 | 6 | 38 |
| 223 | 105 | 22 | -26 | -26 | -23 | -20 | -18 | -22 | 0 | -19 | 6 | 37 |
| 224 | 105 | 43 | -27 | -26 | -24 | -24 | -18 | -22 | -2 | -19 | 6 | 38 |
| 225 | 106 | 3 | -28 | -28 | -25 | -24 | -18 | -22 | -1 | -20 | 6 | 38 |
| 226 | 106 | 23 | -28 | -28 | -24 | -21 | -18 | -21 | -2 | -16 | 6 | 38 |
| 227 | 106 | 43 | -29 | -28 | -24 | -22 | -17 | -21 | -3 | -17 | 6 | 38 |
| 228 | 107 | 3 | -27 | -28 | -23 | -22 | -17 | -22 | 0 | -19 | 6 | 38 |
| 229 | 107 | 24 | -27 | -28 | -24 | -22 | -17 | -22 | -3 | -17 | 6 | 38 |
| 230 | 107 | 44 | -28 | -28 | -25 | -25 | -16 | -21 | -3 | -16 | 6 | 37 |
| 231 | 108 | 4 | -28 | -26 | -23 | -22 | -14 | -22 | -5 | -14 | 6 | 39 |
| 232 | 108 | 24 | -24 | -24 | -23 | -23 | -13 | -18 | -5 | -14 | 6 | 38 |
| 233 | 108 | 44 | -23 | -25 | -24 | -23 | -12 | -17 | -3 | -13 | 7 | 38 |
| 234 | 109 | 4 | -24 | -25 | -24 | -24 | -12 | -16 | -5 | -14 | 7 | 38 |
| 235 | 109 | 24 | -24 | -26 | -25 | -24 | -11 | -17 | -6 | -13 | 7 | 38 |
| 236 | 109 | 45 | -25 | -26 | -26 | -25 | -11 | -16 | -5 | -12 | 7 | 39 |
| 237 | 110 | 5 | -27 | -27 | -26 | -25 | -11 | -16 | -6 | -14 | 7 | 38 |
| 238 | 110 | 25 | -26 | -29 | -27 | -26 | -12 | -23 | -4 | -15 | 6 | 36 |
| 239 | 110 | 45 | -29 | -30 | -28 | -26 | -13 | -23 | -5 | -17 | 6 | 37 |
| 240 | 111 | 5 | -30 | -30 | -28 | -27 | -14 | -21 | -6 | -17 | 6 | 37 |
| 241 | 111 | 25 | -30 | -30 | -28 | -26 | -14 | -22 | -6 | -18 | 6 | 38 |
| 242 | 111 | 45 | -28 | -28 | -27 | -26 | -13 | -20 | -4 | -16 | 7 | 39 |
| 243 | 112 | 5 | -26 | -27 | -27 | -26 | -14 | -19 | -7 | -14 | 7 | 38 |
| 244 | 112 | 25 | -25 | -26 | -24 | -23 | -13 | -17 | -2 | -12 | 7 | 39 |
| 245 | 112 | 45 | -25 | -27 | -24 | -24 | -12 | -16 | -6 | -14 | 8 | 39 |

| -01 SWEEP COUNT | 11-02 TIME MIN. | 6-27 TIME SEC. | 6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C | 6-16 ENG.1 INLET LIP SURF. 4.00 DEG.C | 5-19 ENG.1 INLET LIP SURF. 5.00 DEG.C | 6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C | 6-21 ENG.1 COMPT UPPER FWD AIRTMP DEG.C | 6-22 ENG.1 COMPT LOWER FWD AIRTMP DEG.C | 6-23 ENG.1 COMPT UPPER AFT AIRTMP DEG.C | 6-24 ENG.1 COMPT LOWER AFT AIRTMP DEG.C | 6-25 ENG.1 ACCESS CABOX (STRY) TEMP DEG.C | 6-26 ENG.1 ACCESS C-BOX (FWD) TEMP DEG.C |
|-----------------------|-----------------------|----------------------|---|---|---|---|---|---|---|---|---|--|
| 246 | 113 | 5 | -24 | -25 | -26 | -26 | -13 | -18 | -6 | -14 | 7 | 36 |
| 247 | 113 | 25 | -27 | -28 | -28 | -27 | -13 | -22 | -7 | -16 | 7 | 36 |
| 248 | 113 | 45 | -29 | -28 | -27 | -27 | -14 | -21 | -6 | -16 | 7 | 36 |
| 249 | 114 | 5 | -28 | -29 | -28 | -26 | -14 | -21 | -7 | -16 | 7 | 37 |
| 250 | 114 | 25 | -27 | -29 | -28 | -26 | -13 | -20 | -8 | -16 | 7 | 37 |
| 251 | 114 | 45 | -29 | -29 | -27 | -26 | -14 | -22 | -6 | -17 | 7 | 36 |
| 252 | 115 | 5 | -29 | -30 | -28 | -27 | -14 | -23 | -6 | -18 | 7 | 36 |
| 253 | 115 | 25 | -30 | -30 | -28 | -27 | -14 | -22 | -6 | -18 | 7 | 36 |
| 254 | 115 | 45 | -30 | -29 | -28 | -26 | -14 | -21 | -8 | -17 | 8 | 37 |
| 255 | 116 | 5 | -30 | -29 | -28 | -26 | -14 | -21 | -7 | -16 | 7 | 37 |
| 256 | 116 | 25 | -30 | -30 | -27 | -27 | -14 | -22 | -7 | -18 | 7 | 37 |
| 257 | 116 | 45 | -30 | -30 | -27 | -27 | -14 | -22 | -8 | -17 | 8 | 38 |
| 258 | 117 | 5 | -28 | -29 | -29 | -28 | -15 | -21 | -10 | -16 | 8 | 37 |
| 259 | 117 | 25 | -30 | -29 | -29 | -27 | -14 | -22 | -8 | -18 | 7 | 37 |
| 260 | 117 | 45 | -30 | -29 | -27 | -25 | -15 | -24 | -7 | -18 | 7 | 36 |
| 261 | 118 | 5 | -30 | -30 | -28 | -26 | -15 | -23 | -6 | -18 | 7 | 36 |
| 262 | 118 | 25 | -30 | -29 | -28 | -27 | -15 | -24 | -7 | -18 | 7 | 35 |
| 263 | 118 | 45 | -30 | -29 | -28 | -26 | -15 | -24 | -6 | -18 | 7 | 35 |
| 264 | 119 | 6 | -30 | -30 | -28 | -26 | -15 | -24 | -5 | -18 | 7 | 36 |
| 265 | 119 | 26 | -30 | -30 | -28 | -24 | -16 | -22 | -7 | -17 | 7 | 37 |
| 266 | 119 | 46 | -29 | -28 | -27 | -26 | -15 | -21 | -10 | -17 | 8 | 37 |
| 267 | 120 | 6 | -27 | -28 | -28 | -26 | -15 | -21 | -9 | -16 | 8 | 37 |
| 268 | 120 | 26 | -28 | -29 | -27 | -26 | -15 | -21 | -8 | -16 | 8 | 37 |
| 269 | 120 | 45 | -29 | -29 | -28 | -26 | -15 | -24 | -8 | -18 | 7 | 35 |
| 270 | 121 | 6 | -30 | -29 | -28 | -26 | -16 | -22 | -6 | -18 | 7 | 37 |
| 271 | 121 | 26 | -29 | -29 | -28 | -27 | -16 | -24 | -6 | -18 | 7 | 36 |
| 272 | 121 | 46 | -29 | -28 | -28 | -26 | -16 | -24 | -5 | -17 | 8 | 37 |
| 273 | 121 | 59 | -28 | -28 | -27 | -25 | -16 | -22 | -7 | -17 | 8 | 37 |
| 274 | 122 | 27 | -28 | -28 | -28 | -26 | -16 | -22 | -6 | -16 | 8 | 39 |
| 275 | 122 | 47 | -28 | -28 | -26 | -26 | -15 | -21 | -6 | -16 | 8 | * |
| 276 | 122 | 6 | -28 | -29 | -27 | -26 | -15 | -22 | -5 | -17 | 9 | * |
| 277 | 123 | 28 | -29 | -29 | -27 | -26 | -15 | -24 | -5 | -18 | 8 | * |
| 278 | 123 | 48 | -30 | -29 | -28 | -26 | -16 | -24 | -4 | -17 | 8 | * |
| 279 | 124 | 8 | -29 | -29 | -29 | -26 | -17 | -24 | -4 | -18 | 8 | 39 |
| 280 | 124 | 29 | -27 | -27 | -26 | -24 | -16 | -22 | -2 | -16 | 8 | 43 |
| 281 | 124 | 49 | -28 | -28 | -27 | -24 | -16 | -22 | -4 | -17 | 8 | * |
| 282 | 125 | 10 | -29 | -29 | -28 | -26 | -16 | -24 | -3 | -19 | 8 | 43 |
| 283 | 125 | 31 | -29 | -29 | -28 | -26 | -16 | -23 | -8 | -18 | 8 | 38 |
| 284 | 125 | 51 | -29 | -29 | -28 | -27 | -15 | -23 | -4 | -18 | 8 | 39 |
| 285 | 126 | 12 | -26 | -28 | -28 | -27 | -15 | -22 | -4 | -18 | 8 | * |
| 286 | 126 | 32 | -26 | -28 | -28 | -27 | -16 | -24 | -1 | -18 | 8 | 36 |
| 287 | 126 | 53 | -28 | -28 | -28 | -27 | -16 | -23 | -6 | -18 | 8 | * |
| 288 | 127 | 13 | -27 | -27 | -28 | -27 | -16 | -23 | -6 | -18 | 8 | * |
| 289 | 127 | 34 | -28 | -28 | -28 | -27 | -16 | -23 | -8 | -18 | 8 | * |
| 290 | 127 | 54 | -29 | -28 | -28 | -28 | -15 | -23 | -3 | -18 | 8 | * |
| 291 | 128 | 15 | -29 | -29 | -29 | -27 | -15 | -22 | -4 | -18 | 8 | * |
| 292 | 128 | 35 | -29 | -29 | -28 | -28 | -15 | -22 | -6 | -18 | 8 | * |
| 293 | 128 | 56 | -29 | -28 | -28 | -28 | -16 | -23 | -7 | -19 | 8 | * |
| 294 | 129 | 16 | -28 | -28 | -26 | -26 | -16 | -23 | -8 | -19 | 8 | 39 |
| 295 | 129 | 37 | -28 | -29 | -29 | -28 | -17 | -24 | -9 | -20 | 8 | 42 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 6-03 TIME SEC. | 6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C | 6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C | 6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C | 6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C | 6-21 ENG.1 COMPT UPPER FWD AIRTMP DEG.C | 6-22 ENG.1 COMPT LOWER FWD AIRTMP DEG.C | 6-23 ENG.1 COMPT UPPER AFT AIRTMP DEG.C | 6-24 ENG.1 COMPT LOWER AFT AIRTMP DEG.C | 6-25 ENG.1 ACCESS G. BOX (STR1) TEMP DEG.C | 6-26 ENG.1 ACCESS G. BOX (F. F2) TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|---|---|---|---|---|--|---|
| 296 | 129 | 50 | -29 | -29 | -29 | -20 | -16 | -23 | -8 | -18 | 9 | 0 |
| 297 | 130 | 10 | -29 | -29 | -28 | -28 | -16 | -22 | -10 | -18 | 8 | 44 |
| 298 | 130 | 39 | -29 | -29 | -28 | -28 | -17 | -24 | -7 | -20 | 8 | 0 |
| 299 | 130 | 59 | -30 | -29 | -29 | -25 | -16 | -24 | -5 | -18 | 8 | 0 |
| 300 | 131 | 20 | -30 | -29 | -29 | -28 | -16 | -23 | -6 | -18 | 9 | 0 |
| 301 | 131 | 40 | -24 | -30 | -29 | -28 | -18 | -23 | -10 | -18 | 9 | 0 |
| 302 | 132 | 1 | -30 | -29 | -29 | -28 | -16 | -23 | -8 | -18 | 8 | 0 |
| 303 | 132 | 21 | -30 | -29 | -29 | -28 | -17 | -24 | -10 | -19 | 9 | 0 |
| 304 | 132 | 42 | -29 | -29 | -29 | -28 | -17 | -24 | -9 | -19 | 9 | 0 |
| 305 | 133 | 2 | -28 | -28 | -29 | -20 | -17 | -24 | -9 | -19 | 8 | 0 |
| 306 | 133 | 23 | -29 | -29 | -29 | -28 | -16 | -23 | -9 | -19 | 8 | 0 |
| 307 | 133 | 43 | -28 | -28 | -28 | -28 | -16 | -23 | -10 | -19 | 9 | 0 |
| 308 | 134 | 4 | -30 | -29 | -29 | -28 | -16 | -24 | -5 | -19 | 8 | 0 |
| 309 | 134 | 24 | -30 | -29 | -29 | -28 | -17 | -23 | -8 | -19 | 8 | 0 |
| 310 | 134 | 44 | -28 | -28 | -28 | -28 | -16 | -23 | -10 | -18 | 9 | 0 |
| 311 | 135 | 5 | -29 | -29 | -28 | -28 | -16 | -22 | -7 | -18 | 8 | 0 |
| 312 | 135 | 25 | -23 | -28 | -28 | -27 | -15 | -22 | -5 | -18 | 9 | 0 |
| 313 | 135 | 45 | -28 | -28 | -28 | -27 | -15 | -23 | -5 | -18 | 8 | 0 |
| 314 | 136 | 5 | -29 | -28 | -28 | -27 | -15 | -22 | -5 | -16 | 9 | 0 |
| 315 | 136 | 25 | -24 | -28 | -28 | -27 | -15 | -22 | -8 | -18 | 9 | 0 |
| 316 | 136 | 45 | -24 | -27 | -27 | -26 | -15 | -22 | -8 | -18 | 9 | 0 |
| 317 | 137 | 5 | -26 | -27 | -27 | -27 | -16 | -23 | -9 | -19 | 9 | 0 |
| 318 | 137 | 25 | -26 | -26 | -27 | -27 | -16 | -22 | -9 | -18 | 9 | 0 |
| 319 | 137 | 45 | -26 | -27 | -27 | -27 | -16 | -22 | -9 | -18 | 9 | 0 |
| 320 | 138 | 5 | -27 | -27 | -27 | -26 | -16 | -22 | -10 | -18 | 9 | 0 |
| 321 | 138 | 25 | -27 | -28 | -27 | -26 | -16 | -22 | -8 | -18 | 10 | 0 |
| 322 | 138 | 45 | -26 | -27 | -27 | -26 | -16 | -22 | -9 | -18 | 10 | 0 |
| 323 | 139 | 5 | -26 | -26 | -26 | -26 | -16 | -21 | -8 | -18 | 10 | 0 |
| 324 | 139 | 25 | -26 | -27 | -27 | -27 | -16 | -22 | -8 | -18 | 9 | 0 |
| 325 | 139 | 45 | -26 | -26 | -26 | -27 | -16 | -22 | -8 | -18 | 9 | 0 |
| 326 | 140 | 5 | -26 | -27 | -27 | -26 | -16 | -22 | -8 | -18 | 9 | 0 |
| 327 | 140 | 25 | -28 | -29 | -28 | -28 | -17 | -17 | -8 | -16 | 11 | 0 |
| 328 | 140 | 45 | -28 | -28 | -25 | -26 | -18 | -17 | -12 | -16 | 11 | 0 |
| 329 | 141 | 5 | -24 | -22 | -20 | -21 | -14 | -13 | -22 | -12 | 10 | 0 |
| 330 | 141 | 25 | -20 | -19 | -18 | -18 | -11 | -12 | -19 | -10 | 11 | 0 |
| 331 | 141 | 45 | -19 | -18 | -19 | -18 | -9 | -12 | -17 | -7 | 11 | 0 |
| 332 | 142 | 5 | -20 | -19 | -18 | -18 | -10 | -12 | -16 | -7 | 12 | 0 |
| 333 | 142 | 24 | -20 | -20 | -20 | -20 | -12 | -13 | -16 | -9 | 10 | 0 |
| 334 | 142 | 44 | -21 | -21 | -21 | -21 | -14 | -15 | -20 | -9 | 10 | 0 |
| 335 | 143 | 4 | -23 | -23 | -22 | -21 | -16 | -16 | -13 | -13 | 11 | 0 |
| 336 | 143 | 24 | -24 | -24 | -22 | -23 | -18 | -18 | -13 | -14 | 10 | 0 |
| 337 | 143 | 43 | -24 | -25 | -24 | -24 | -18 | -18 | -17 | -15 | 9 | 0 |
| 338 | 144 | 3 | -27 | -26 | -25 | -26 | -20 | -18 | -15 | -17 | 9 | 0 |
| 339 | 144 | 23 | -28 | -28 | -28 | -28 | -21 | -18 | -15 | -18 | 10 | 0 |
| 340 | 144 | 43 | -28 | -28 | -28 | -28 | -22 | -18 | -14 | -18 | 9 | 0 |
| 341 | 145 | 3 | -29 | -29 | -28 | -28 | -22 | -19 | -13 | -18 | 9 | 0 |
| 342 | 145 | 22 | -29 | -29 | -28 | -28 | -22 | -17 | -14 | -18 | 9 | 0 |
| 343 | 145 | 42 | -29 | -28 | -28 | -28 | -22 | -18 | -14 | -17 | 8 | 0 |
| 344 | 146 | 2 | -28 | -28 | -27 | -28 | -20 | -18 | -17 | -17 | 8 | 0 |
| 345 | 146 | 27 | -29 | -28 | -28 | -27 | -21 | -19 | -7 | -17 | 8 | 0 |

| SNIPP COUNT | TIME MIN. | 6-03 TIME SEC. | 6-17 ENG.1 INLET LIP SURF. DEG.C | 6-18 ENG.1 INLET LIP SURF. DEG.C | 6-19 ENG.1 INLET LIP SURF. DEG.C | 6-20 ENG.1 INLET LIP SURF. DEG.C | 6-21 ENG.1 COMPRY UPPER FWD AIRTMP DEG.C | 6-22 ENG.1 COMPRY LOWER FWD AIRTMP DEG.C | 6-23 ENG.1 COMPRY UPPER AFT AIRTMP DEG.C | 6-24 ENG.1 COMPRY LOWER AFT AIRTMP DEG.C | 6-25 ENG.1 ACCESS G.BOX (IF FA) TEMP DEG.C | 6-26 ENG.1 ACCESS G.BOX (IF FA) TEMP DEG.C |
|----------------|--------------|----------------------|---|---|---|---|--|--|--|--|--|--|
| 346 | 146 | 42 | -28 | -27 | -27 | -27 | -20 | -18 | 12 | -16 | 6 | 39 |
| 347 | 147 | 21 | -29 | -28 | -28 | -28 | -18 | -19 | 9 | -17 | 6 | 40 |
| 348 | 147 | 21 | -30 | -29 | -29 | -30 | -19 | -21 | 7 | -19 | 7 | 4 |
| 349 | 147 | 41 | -30 | -29 | -28 | -29 | -19 | -20 | 10 | -19 | 7 | 4 |
| 350 | 148 | 1 | -30 | -29 | -29 | -29 | -19 | -21 | 9 | -19 | 7 | 40 |
| 351 | 148 | 21 | -29 | -29 | -29 | -29 | -19 | -21 | 8 | -19 | 7 | 41 |
| 352 | 148 | 41 | -29 | -28 | -29 | -29 | -17 | -21 | 5 | -16 | 6 | 38 |
| 353 | 149 | 0 | -26 | -26 | -26 | -26 | -20 | -18 | 15 | -17 | 7 | 39 |
| 354 | 149 | 20 | -27 | -27 | -27 | -27 | -20 | -19 | 11 | -16 | 7 | 39 |
| 355 | 149 | 40 | -27 | -26 | -27 | -27 | -20 | -19 | 8 | -16 | 6 | 39 |
| 356 | 150 | 0 | -27 | -27 | -28 | -27 | -20 | -20 | 8 | -16 | 6 | 39 |
| 357 | 150 | 19 | -28 | -27 | -27 | -28 | -20 | -20 | 7 | -17 | 6 | 38 |
| 358 | 150 | 39 | -28 | -26 | -26 | -28 | -20 | -20 | 6 | -17 | 6 | 39 |
| 359 | 150 | 59 | -28 | -26 | -26 | -27 | -20 | -20 | 7 | -17 | 6 | 38 |
| 360 | 151 | 19 | -27 | -27 | -27 | -27 | -20 | -20 | 6 | -17 | 6 | 39 |
| 361 | 151 | 39 | -27 | -26 | -27 | -27 | -20 | -20 | 7 | -16 | 7 | 39 |
| 362 | 151 | 50 | -27 | -27 | -27 | -27 | -20 | -20 | 9 | -16 | 6 | 39 |
| 363 | 152 | 18 | -28 | -26 | -26 | -26 | -20 | -20 | 8 | -16 | 6 | 39 |
| 364 | 152 | 38 | -27 | -28 | -28 | -27 | -20 | -20 | 6 | -18 | 5 | 39 |
| 365 | 152 | 58 | -29 | -28 | -28 | -27 | -20 | -21 | 5 | -18 | 5 | 39 |
| 366 | 153 | 17 | -28 | -28 | -28 | -28 | -20 | -20 | 7 | -18 | 5 | 41 |
| 367 | 153 | 37 | -28 | -28 | -28 | -28 | -20 | -20 | 5 | -18 | 5 | 38 |
| 368 | 153 | 57 | -30 | -29 | -29 | -29 | -21 | -22 | 4 | -18 | 5 | 39 |
| 369 | 154 | 17 | -30 | -29 | -29 | -28 | -22 | -22 | 6 | -18 | 5 | 38 |
| 370 | 154 | 36 | -30 | -29 | -29 | -28 | -22 | -22 | 8 | -19 | 5 | 38 |
| 371 | 154 | 56 | -29 | -29 | -29 | -29 | -21 | -20 | 8 | -19 | 6 | 38 |
| 372 | 155 | 16 | -28 | -28 | -28 | -27 | -21 | -20 | 7 | -18 | 5 | 39 |
| 373 | 155 | 36 | -28 | -28 | -28 | -27 | -21 | -19 | 6 | -18 | 5 | 39 |
| 374 | 155 | 55 | -28 | -28 | -28 | -27 | -20 | -19 | 7 | -17 | 5 | 39 |
| 375 | 156 | 15 | -27 | -27 | -27 | -26 | -20 | -19 | 8 | -16 | 5 | 39 |
| 376 | 156 | 35 | -26 | -26 | -26 | -26 | -20 | -18 | 8 | -16 | 6 | 38 |
| 377 | 156 | 54 | -26 | -26 | -25 | -24 | -20 | -18 | 14 | -16 | 6 | 38 |
| 378 | 157 | 14 | -24 | -24 | -23 | -23 | -18 | -16 | 13 | -14 | 6 | 38 |
| 379 | 157 | 34 | -23 | -23 | -22 | -22 | -17 | -16 | 12 | -14 | 6 | 39 |
| 380 | 157 | 54 | -23 | -22 | -22 | -22 | -17 | -16 | 14 | -14 | 6 | 39 |
| 381 | 158 | 13 | -23 | -23 | -22 | -22 | -16 | -15 | 15 | -14 | 6 | 39 |
| 382 | 158 | 33 | -23 | -22 | -22 | -22 | -16 | -15 | 11 | -13 | 7 | 39 |
| 383 | 158 | 53 | -23 | -22 | -22 | -22 | -16 | -16 | 11 | -12 | 6 | 40 |
| 384 | 159 | 12 | -24 | -24 | -24 | -24 | -16 | -16 | 9 | -12 | 5 | 39 |
| 385 | 159 | 32 | -26 | -26 | -26 | -26 | -18 | -18 | 8 | -12 | 5 | 38 |
| 386 | 159 | 52 | -24 | -24 | -24 | -24 | -20 | -20 | 8 | -12 | 5 | 38 |
| 387 | 160 | 11 | -24 | -24 | -24 | -24 | -21 | -21 | 7 | -16 | 4 | 40 |
| 388 | 160 | 31 | -29 | -28 | -28 | -28 | -21 | -20 | 7 | -16 | 4 | 38 |
| 389 | 160 | 51 | -30 | -29 | -29 | -29 | -22 | -21 | 6 | -16 | 4 | 39 |
| 390 | 161 | 10 | -31 | -30 | -30 | -30 | -22 | -21 | 5 | -19 | 4 | 44 |
| 391 | 161 | 30 | -29 | -29 | -29 | -29 | -22 | -22 | 5 | -19 | 4 | 39 |
| 392 | 161 | 50 | -31 | -30 | -29 | -29 | -22 | -21 | 6 | -19 | 4 | 39 |
| 393 | 162 | 9 | -30 | -30 | -29 | -30 | -22 | -21 | 7 | -20 | 5 | 40 |
| 394 | 162 | 29 | -30 | -30 | -30 | -30 | -23 | -22 | 5 | -20 | 5 | 38 |
| 395 | 163 | 33 | -30 | -30 | -30 | -29 | -23 | -22 | 4 | -19 | 4 | 39 |

| 5-02 TIME MIN. | 6-03 TIME SEC. | 6-17 ENG.1 INLET LIP SURF. 3.15 DEG.C | 6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C | 6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C | 6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C | 6-21 ENG.1 COMPT UPPER FWD AIRTMP DEG.C | 6-22 ENG.1 COMPT LOWER FWD AIRTMP DEG.C | 6-23 ENG.1 COMPT UPPER AFT AIRTMP DEG.C | 6-24 ENG.1 COMPT LOWER AFT AIRTMP DEG.C | 6-25 ENG.1 ACCESS G.BOX (SRKT) TEMP DEG.C | 6-26 ENG.1 ACCESS G.BOX (IF PR) TEMP DEG.C |
|----------------------|----------------------|---|---|---|---|---|---|---|---|---|--|
| 396 | 52 | -30 | -30 | -29 | -29 | -22 | -21 | 6 | -18 | 4 | 38 |
| 397 | 12 | -30 | -30 | -29 | -29 | -23 | -21 | 6 | -19 | 4 | 38 |
| 398 | 1 | -29 | -29 | -28 | -28 | -23 | -21 | 6 | -18 | 4 | 38 |
| 399 | 20 | -28 | -28 | -27 | -27 | -21 | -20 | 10 | -19 | 5 | 39 |
| 400 | 40 | -27 | -27 | -26 | -26 | -21 | -20 | 8 | -18 | 5 | 42 |
| 401 | 35 | -26 | -26 | -25 | -25 | -21 | -20 | 17 | -17 | 4 | 39 |
| 402 | 9 | -25 | -25 | -24 | -24 | -21 | -20 | -10 | -20 | 5 | 38 |
| 403 | 28 | -24 | -24 | -23 | -23 | -21 | -20 | -10 | -20 | 5 | 41 |
| 404 | 48 | -23 | -23 | -22 | -22 | -21 | -20 | -7 | -19 | 5 | 40 |
| 405 | 42 | -22 | -22 | -21 | -21 | -20 | -19 | 10 | -17 | 5 | 41 |
| 406 | 2 | -21 | -21 | -20 | -20 | -20 | -19 | 2 | -20 | 5 | 44 |
| 407 | 21 | -20 | -20 | -19 | -19 | -20 | -22 | -23 | -24 | 4 | 38 |
| 408 | 16 | -19 | -19 | -18 | -18 | -20 | -22 | -19 | -25 | 3 | 35 |
| 409 | 7 | -18 | -18 | -17 | -17 | -20 | -26 | -23 | -22 | 3 | 35 |
| 410 | 26 | -17 | -17 | -16 | -16 | -22 | -26 | -23 | -24 | 3 | 34 |
| 411 | 46 | -16 | -16 | -15 | -15 | -22 | -27 | -24 | -25 | 4 | 34 |
| 412 | 5 | -15 | -15 | -14 | -14 | -22 | -27 | -23 | -24 | 4 | 34 |
| 413 | 25 | -14 | -14 | -13 | -13 | -21 | -27 | -22 | -22 | 4 | 34 |
| 414 | 45 | -13 | -13 | -12 | -12 | -21 | -27 | -24 | -22 | 4 | 33 |
| 415 | 4 | -12 | -12 | -11 | -11 | -22 | -30 | -26 | -31 | 3 | 33 |
| 416 | 24 | -11 | -11 | -10 | -10 | -22 | -30 | -25 | -31 | 2 | 33 |
| 417 | 43 | -10 | -10 | -9 | -9 | -22 | -32 | -26 | -30 | 2 | 33 |
| 418 | 3 | -9 | -9 | -8 | -8 | -22 | -30 | -26 | -28 | 3 | 36 |
| 419 | 181 | -8 | -8 | -7 | -7 | -22 | -32 | -26 | -28 | 3 | 32 |
| 420 | 22 | -7 | -7 | -6 | -6 | -22 | -32 | -26 | -28 | 3 | 32 |
| 421 | 42 | -6 | -6 | -5 | -5 | -21 | -31 | -24 | -26 | 3 | 34 |
| 422 | 2 | -5 | -5 | -4 | -4 | -20 | -30 | -23 | -26 | 3 | 38 |
| 423 | 41 | -4 | -4 | -3 | -3 | -20 | -30 | -23 | -26 | 3 | 33 |
| 424 | 0 | -3 | -3 | -2 | -2 | -20 | -28 | -24 | -26 | 3 | 34 |
| 425 | 183 | -2 | -2 | -1 | -1 | -20 | -30 | -24 | -26 | 3 | 33 |
| 426 | 39 | -1 | -1 | 0 | 0 | -19 | -30 | -24 | -26 | 3 | 36 |
| 427 | 59 | 0 | 0 | 0 | 0 | -20 | -30 | -25 | -26 | 3 | 35 |
| 428 | 18 | 0 | 0 | 0 | 0 | -21 | -30 | -25 | -24 | 2 | 38 |
| 429 | 34 | 0 | 0 | 0 | 0 | -21 | -30 | -25 | -24 | 4 | 34 |
| 430 | 58 | 0 | 0 | 0 | 0 | -21 | -30 | -26 | -28 | 4 | 34 |
| 431 | 18 | 0 | 0 | 0 | 0 | -13 | -30 | 0 | -26 | 5 | 36 |
| 432 | 39 | 0 | 0 | 0 | 0 | -3 | -30 | 17 | -26 | 6 | 36 |
| 433 | 185 | 0 | 0 | 0 | 0 | -2 | -30 | 16 | -25 | 6 | 35 |
| 434 | 185 | 0 | 0 | 0 | 0 | -2 | -29 | 13 | -25 | 6 | 35 |
| 435 | 186 | 0 | 0 | 0 | 0 | -2 | -29 | 13 | -25 | 7 | 34 |
| 436 | 186 | 0 | 0 | 0 | 0 | -2 | -30 | 12 | -25 | 7 | 33 |
| 437 | 37 | 0 | 0 | 0 | 0 | -2 | -30 | 12 | -24 | 7 | 32 |
| 438 | 97 | 0 | 0 | 0 | 0 | -1 | -31 | 12 | -24 | 7 | 31 |
| 439 | 16 | 0 | 0 | 0 | 0 | 0 | -31 | 11 | -24 | 7 | 31 |
| 440 | 167 | 0 | 0 | 0 | 0 | -1 | -32 | 11 | -25 | 8 | 29 |
| 441 | 167 | 0 | 0 | 0 | 0 | -2 | -32 | 11 | -26 | 8 | 28 |
| 442 | 167 | 0 | 0 | 0 | 0 | -2 | -33 | 4 | -26 | 8 | 28 |
| 443 | 189 | 0 | 0 | 0 | 0 | -3 | -33 | 7 | -27 | 9 | 25 |
| 444 | 191 | 0 | 0 | 0 | 0 | -3 | -33 | 7 | -27 | 9 | 22 |
| 445 | 191 | 0 | 0 | 0 | 0 | -4 | -33 | 7 | -28 | 9 | 21 |
| 446 | 191 | 0 | 0 | 0 | 0 | -4 | -33 | 6 | -28 | 9 | 20 |
| 447 | 192 | 0 | 0 | 0 | 0 | -4 | -33 | 6 | -28 | 9 | 20 |
| 448 | 194 | 0 | 0 | 0 | 0 | -5 | -34 | 5 | -28 | 9 | 17 |

| | | | | | | | | | | | | |
|-----|------|------|-------|-------|-------|-------|--------|--------|--------|--------|--------|---------|
| 456 | 3-02 | 6-07 | 6-17 | 6-18 | 6-19 | 6-20 | 6-21 | 6-22 | 6-23 | 6-24 | 6-25 | 6-26 |
| 457 | TIME | TIME | INLET | INLET | INLET | INLET | COMPT | COMPT | COMPT | COMPT | ACCESS | ACCESS |
| 458 | MIN. | SEC. | LIP | LIP | LIP | LIP | UPPER | LOWER | UPPER | LOWER | G.BOX | G.BOX |
| 459 | | | SURF. | SURF. | SURF. | SURF. | FWD | FWD | AFT | AFT | (STRT) | (F FRI) |
| 460 | | | 7.15 | 4.00 | 5.00 | 6.00 | AIRTMP | AIRTMP | AIRTMP | AIRTMP | TEMP | TEMP |
| 461 | | | NEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 462 | 138 | 21 | -37 | -39 | -40 | -39 | -12 | -39 | -3 | -36 | 2 | 7 |
| 463 | 198 | 40 | -36 | -40 | -40 | -40 | -13 | -38 | -3 | -35 | 2 | 6 |
| 464 | 199 | 0 | -34 | -40 | -41 | -40 | -12 | -38 | -4 | -34 | 2 | 5 |
| 465 | 197 | 4 | -34 | -39 | -40 | -40 | -15 | -39 | -6 | -34 | 1 | -0 |
| 466 | 207 | 2 | -37 | -39 | -40 | -39 | -14 | -39 | -6 | -37 | -0 | -0 |
| 467 | 207 | 47 | -37 | -39 | -40 | -40 | -14 | -38 | -6 | -38 | -0 | -0 |
| 468 | 208 | 8 | -37 | -39 | -39 | -39 | -14 | -38 | -6 | -38 | -0 | -1 |
| 469 | 212 | 28 | -37 | -38 | -38 | -38 | -16 | -38 | -8 | -36 | -2 | -2 |
| 470 | 212 | 48 | -36 | -38 | -38 | -38 | -16 | -37 | -7 | -37 | -2 | -2 |
| 471 | 213 | 7 | -36 | -37 | -38 | -38 | -16 | -37 | -7 | -37 | -2 | -2 |
| 472 | 213 | 28 | -36 | -37 | -38 | -38 | -16 | -37 | -7 | -37 | -2 | -2 |
| 473 | 217 | 67 | -38 | -40 | -40 | -40 | -20 | -38 | -12 | -36 | -4 | -5 |
| 474 | 218 | 6 | -39 | -40 | -40 | -40 | -20 | -38 | -11 | -36 | -4 | -5 |
| 475 | 218 | 28 | -39 | -40 | -40 | -40 | -20 | -38 | -10 | -36 | -5 | -6 |
| 476 | 222 | 44 | -39 | -40 | -40 | -40 | -22 | -38 | -11 | -36 | -6 | -6 |
| 477 | 223 | 4 | -39 | -40 | -40 | -40 | -22 | -38 | -10 | -36 | -6 | -6 |
| 478 | 223 | 4 | -39 | -40 | -40 | -40 | -22 | -38 | -10 | -36 | -6 | -6 |
| 479 | 227 | 2 | -37 | -39 | -39 | -39 | -20 | -36 | -14 | -32 | -8 | -8 |
| 480 | 227 | 21 | -37 | -38 | -39 | -39 | -20 | -35 | -14 | -32 | -6 | -6 |
| 481 | 227 | 41 | -38 | -38 | -38 | -38 | -19 | -35 | -13 | -32 | -6 | -6 |
| 482 | 227 | 10 | -37 | -37 | -38 | -38 | -19 | -35 | -14 | -32 | -6 | -6 |
| 483 | 229 | 59 | -37 | -38 | -38 | -38 | -19 | -35 | -14 | -31 | -6 | -6 |
| 484 | 231 | 58 | -37 | -38 | -38 | -38 | -19 | -35 | -14 | -31 | -6 | -6 |
| 485 | 235 | 36 | -38 | -38 | -38 | -38 | -20 | -36 | -15 | -32 | -8 | -8 |
| 486 | 235 | 56 | -37 | -38 | -38 | -38 | -20 | -36 | -15 | -32 | -8 | -8 |
| 487 | 236 | 15 | -37 | -38 | -38 | -38 | -20 | -36 | -15 | -32 | -8 | -8 |
| 488 | 239 | 53 | -37 | -38 | -38 | -38 | -20 | -36 | -15 | -32 | -8 | -8 |
| 489 | 240 | 12 | -37 | -38 | -38 | -38 | -20 | -35 | -15 | -33 | -10 | -10 |
| 490 | 240 | 12 | -37 | -38 | -38 | -38 | -20 | -35 | -15 | -33 | -10 | -10 |
| 491 | 240 | 31 | -37 | -38 | -38 | -38 | -20 | -35 | -15 | -33 | -10 | -10 |
| 492 | 244 | 9 | -37 | -38 | -38 | -38 | -20 | -35 | -16 | -33 | -12 | -12 |
| 493 | 244 | 29 | -37 | -38 | -38 | -38 | -20 | -35 | -16 | -33 | -12 | -12 |
| 494 | 244 | 67 | -37 | -38 | -38 | -38 | -20 | -35 | -15 | -33 | -12 | -12 |
| 495 | 246 | 24 | -35 | -36 | -36 | -36 | -19 | -34 | -15 | -32 | -12 | -12 |
| 496 | 248 | 43 | -34 | -36 | -35 | -35 | -18 | -33 | -14 | -32 | -11 | -11 |
| 497 | 248 | 3 | -34 | -35 | -35 | -35 | -18 | -33 | -14 | -32 | -11 | -11 |
| 498 | 248 | 3 | -34 | -35 | -35 | -35 | -18 | -33 | -14 | -32 | -11 | -11 |
| 499 | 248 | 3 | -34 | -35 | -35 | -35 | -18 | -33 | -14 | -32 | -11 | -11 |
| 500 | 248 | 3 | -34 | -35 | -35 | -35 | -18 | -33 | -14 | -32 | -11 | -11 |
| 501 | 248 | 3 | -34 | -35 | -35 | -35 | -18 | -33 | -14 | -32 | -11 | -11 |

44-530 S/N 68-10354
 ARCTIC TEST
 9 JANUARY 1971
 RUN NO. 2 -40 DEG C / -60 DEG F

| -01 SWEEP COUNT | 1-02 TIME MIN. | 6-03 TIME SEC. | 6-07 ENG. 2 ACCESS G.R.(X (START) TEMP DEG.C | 6-28 ENG. 2 ACCESS S.BOX (F. FR) TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|---|
| 1 | 0 | 7 | -34 | -34 |
| 2 | 0 | 27 | -34 | -34 |
| 3 | 0 | 47 | -34 | -34 |
| 4 | 1 | 7 | -34 | -34 |
| 5 | 1 | 27 | -34 | -34 |
| 6 | 1 | 47 | -34 | -34 |
| 7 | 2 | 7 | -34 | -34 |
| 8 | 2 | 27 | -34 | -34 |
| 9 | 2 | 47 | -34 | -34 |
| 10 | 3 | 7 | -34 | -34 |
| 11 | 3 | 27 | -34 | -34 |
| 12 | 3 | 47 | -34 | -34 |
| 13 | 4 | 7 | -34 | -34 |
| 14 | 4 | 27 | -34 | -34 |
| 15 | 4 | 47 | -34 | -34 |
| 16 | 5 | 7 | -34 | -35 |
| 17 | 5 | 27 | -34 | -34 |
| 18 | 5 | 47 | -34 | -34 |
| 19 | 6 | 7 | -34 | -34 |
| 20 | 6 | 26 | -34 | -34 |
| 21 | 6 | 44 | -34 | -34 |
| 22 | 7 | 8 | -34 | -35 |
| 23 | 7 | 28 | -34 | -34 |
| 24 | 7 | 48 | -35 | -34 |
| 25 | 8 | 6 | -34 | -34 |
| 26 | 8 | 26 | -34 | -35 |
| 27 | 8 | 46 | -34 | -34 |
| 28 | 9 | 6 | -34 | -34 |
| 29 | 9 | 29 | -35 | -35 |
| 30 | 9 | 49 | -34 | -35 |
| 31 | 10 | 8 | -35 | -35 |
| 32 | 12 | 39 | -35 | -35 |
| 33 | 17 | 8 | -35 | -35 |
| 34 | 17 | 29 | -36 | -36 |
| 35 | 17 | 49 | -35 | -35 |
| 36 | 21 | 7 | -36 | -36 |
| 37 | 21 | 56 | -34 | -36 |
| 38 | 22 | 16 | -34 | -36 |
| 39 | 22 | 36 | -34 | -36 |
| 40 | 22 | 56 | -34 | -36 |
| 41 | 23 | 26 | -37 | -37 |
| 42 | 23 | 46 | -36 | -36 |
| 43 | 24 | 6 | -37 | -37 |
| 44 | 24 | 30 | -37 | -37 |
| 45 | 24 | 50 | -37 | -37 |
| 46 | 25 | 11 | -37 | -37 |

| -01 SHEEP COUNT | 1-02 TIME MIN. | 5-01 TIME SEC. | 6-27 ENR.2 ADDRESS S.ROX (S,FR) | 6-28 ENR.2 ADDRESS S.ROX (F,FR) |
|-----------------------|----------------------|----------------------|---|---|
| 45 | 25 | 31 | -37 | -36 |
| 47 | 25 | 52 | -36 | -37 |
| 48 | 26 | 12 | -37 | -36 |
| 49 | 26 | 32 | -36 | -37 |
| 0 | 26 | 53 | -37 | -36 |
| 51 | 27 | 13 | -37 | 37 |
| 52 | 29 | 55 | -38 | -37 |
| 53 | 30 | 15 | -37 | -37 |
| 54 | 30 | 36 | -37 | -37 |
| 55 | 34 | 36 | -37 | -37 |
| 56 | 34 | 57 | -38 | -38 |
| 57 | 35 | 18 | -38 | -37 |
| 58 | 35 | 38 | -38 | -38 |
| 59 | 39 | 6 | -38 | -38 |
| 0 | 39 | 27 | -38 | -38 |
| 61 | 39 | 48 | -38 | -38 |
| 62 | 40 | 8 | -38 | -38 |
| 63 | 43 | 36 | -38 | -38 |
| 64 | 43 | 57 | -38 | -38 |
| 65 | 44 | 11 | -39 | -38 |
| 66 | 44 | 31 | -38 | -38 |
| 67 | 48 | 7 | -38 | -38 |
| 68 | 52 | 37 | -39 | -39 |
| 69 | 52 | 58 | -39 | -39 |
| 0 | 53 | 9 | -38 | -38 |
| 71 | 53 | 39 | -38 | -38 |
| 72 | 54 | 0 | -38 | -38 |
| 73 | 54 | 21 | -39 | -39 |
| 74 | 54 | 42 | -38 | -38 |
| 75 | 55 | 2 | -38 | -38 |
| 76 | 55 | 23 | -38 | -38 |
| 77 | 55 | 44 | -39 | -38 |
| 78 | 56 | 5 | -38 | -38 |
| 79 | 56 | 26 | -38 | -38 |
| 0 | 56 | 47 | -38 | -39 |
| 81 | 57 | 7 | -40 | -39 |
| 82 | 57 | 28 | -39 | -38 |
| 83 | 57 | 49 | -39 | -39 |
| 84 | 58 | 9 | -40 | -39 |
| 85 | 58 | 30 | -39 | -40 |
| 86 | 58 | 50 | -38 | -40 |
| 87 | 59 | 11 | -40 | -40 |
| 88 | 59 | 32 | -40 | -40 |
| 89 | 59 | 52 | -40 | -40 |
| 0 | 60 | 13 | -40 | -39 |
| 91 | 60 | 34 | -40 | -40 |
| 92 | 60 | 54 | -40 | -40 |
| 93 | 61 | 15 | -40 | -40 |
| 94 | 61 | 35 | -39 | -40 |
| 95 | 61 | 56 | -40 | -40 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 5-03 TIME SEC. | 5-27 ENVELOPE ADDRESS S. BOX (STRIP) TEMP DEG.C | 6-26 ENVELOPE ADDRESS S. BOX (STRIP) TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|
| 96 | 62 | 15 | -40 | -40 |
| 97 | 62 | 37 | -40 | -40 |
| 98 | 62 | 50 | -40 | -40 |
| 99 | 63 | 18 | -40 | -40 |
| 100 | 63 | 39 | -41 | -40 |
| 101 | 63 | 59 | -40 | -40 |
| 102 | 64 | 20 | -40 | -40 |
| 103 | 64 | 40 | -40 | -40 |
| 104 | 65 | 1 | -39 | -40 |
| 105 | 65 | 21 | -27 | -39 |
| 106 | 65 | 42 | -16 | -37.0 |
| 107 | 66 | 3 | -12 | -36 |
| 108 | 66 | 23 | -11 | -34 |
| 109 | 66 | 44 | -12 | -33 |
| 110 | 67 | 6 | -11 | -33 |
| 111 | 67 | 25 | -10 | -32 |
| 112 | 67 | 46 | -11 | -32 |
| 113 | 68 | 6 | -11 | -32 |
| 114 | 68 | 27 | -11 | -31 |
| 115 | 69 | 48 | 10 | 10 |
| 116 | 69 | 9 | 15 | -27 |
| 117 | 69 | 30 | 15 | -23 |
| 118 | 69 | 50 | 15 | -19 |
| 119 | 70 | 11 | 14 | -16 |
| 120 | 70 | 32 | 13 | -12 |
| 121 | 70 | 52 | 12 | -9 |
| 122 | 71 | 13 | 11 | -6 |
| 123 | 71 | 33 | 11 | -4 |
| 124 | 71 | 54 | 11 | -1 |
| 125 | 72 | 14 | 11 | 1 |
| 126 | 72 | 35 | 11 | 3 |
| 127 | 72 | 55 | 11 | 6 |
| 128 | 73 | 15 | 11 | 9 |
| 129 | 73 | 36 | 12 | 12 |
| 130 | 73 | 57 | 12 | 14 |
| 131 | 74 | 17 | 12 | 16 |
| 132 | 74 | 38 | 12 | 19 |
| 133 | 74 | 58 | 12 | 23 |
| 134 | 75 | 19 | 12 | 25 |
| 135 | 75 | 39 | 12 | 27 |
| 136 | 75 | 59 | 12 | 28 |
| 137 | 76 | 20 | 12 | 29 |
| 138 | 76 | 40 | 12 | 32 |
| 139 | 77 | 1 | 12 | 33 |
| 140 | 77 | 21 | 12 | 34 |
| 141 | 77 | 41 | 12 | 34 |
| 142 | 78 | 2 | 12 | 34 |
| 143 | 78 | 22 | 12 | 34 |
| 144 | 78 | 42 | 12 | 34 |
| 145 | 79 | 2 | 12 | 34 |

| 6-01 SNEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-17 ENG.#2 ACCESS S.RDX (SRT) TEMP DEG.C | 6-26 ENG.#2 ACCESS S.RDX (F FR) TEMP DEG.C |
|------------------------|----------------------|----------------------|---|--|
| 146 | 79 | 22 | 2 | 35 |
| 147 | 80 | 42 | 2 | 35 |
| 148 | 80 | 3 | 1 | 35 |
| 149 | 80 | 27 | 1 | 34 |
| 150 | 80 | 44 | 1 | 35 |
| 151 | 81 | 5 | 1 | 36 |
| 152 | 81 | 25 | 1 | 36 |
| 153 | 81 | 45 | 1 | 36 |
| 154 | 82 | 6 | 1 | 36 |
| 155 | 82 | 26 | 1 | 38 |
| 156 | 82 | 46 | 2 | 39 |
| 157 | 83 | 6 | 2 | 39 |
| 158 | 83 | 27 | 2 | 39 |
| 159 | 83 | 47 | 2 | 39 |
| 160 | 84 | 7 | 2 | 38 |
| 161 | 84 | 27 | 2 | 39 |
| 162 | 84 | 48 | 1 | 38 |
| 163 | 85 | 8 | 2 | 36 |
| 164 | 85 | 28 | 1 | 38 |
| 165 | 85 | 48 | 1 | 38 |
| 166 | 86 | 9 | 1 | 37 |
| 167 | 86 | 29 | 1 | 37 |
| 168 | 86 | 49 | 1 | 36 |
| 169 | 87 | 9 | 1 | 37 |
| 170 | 87 | 30 | 1 | 37 |
| 171 | 87 | 50 | 1 | 37 |
| 172 | 88 | 10 | 1 | 38 |
| 173 | 88 | 31 | 1 | 38 |
| 174 | 88 | 51 | 1 | 38 |
| 175 | 89 | 11 | 1 | 36 |
| 176 | 89 | 31 | 1 | 36 |
| 177 | 89 | 52 | 1 | 38 |
| 178 | 90 | 12 | 1 | 37 |
| 179 | 90 | 32 | 1 | 37 |
| 180 | 90 | 52 | 1 | 36 |
| 181 | 91 | 12 | 1 | 38 |
| 182 | 91 | 32 | 1 | 37 |
| 183 | 91 | 53 | 1 | 35 |
| 184 | 92 | 13 | -C | 34 |
| 185 | 92 | 33 | -1 | 33 |
| 186 | 92 | 53 | 0 | 35 |
| 187 | 93 | 14 | 0 | 35 |
| 188 | 93 | 34 | -1 | 33 |
| 189 | 93 | 54 | -2 | 34 |
| 190 | 94 | 14 | -C | 36 |
| 191 | 94 | 34 | -0 | 35 |
| 192 | 94 | 55 | -0 | 34 |
| 193 | 95 | 15 | -0 | 35 |
| 194 | 95 | 35 | -0 | 36 |
| 195 | 95 | 55 | 1 | 37 |

| SWEEP COUNT | 5-02 TIME MIN. | 6-03 TIME SEC. | 6-27 ENCL 2 ACCESS S.BOX (STR1) TEMP DEG.C | 6-28 ENCL 2 ACCESS S.BOX (F FR) TEMP DEG.C |
|----------------|----------------------|----------------------|--|--|
| 195 | 95 | 16 | 1 | 37 |
| 197 | 96 | 26 | 1 | 37 |
| 198 | 96 | 56 | 1 | 37 |
| 199 | 97 | 16 | 2 | 40 |
| 200 | 97 | 37 | 2 | 40 |
| 201 | 97 | 57 | 2 | 41 |
| 202 | 98 | 17 | 2 | 41 |
| 203 | 98 | 37 | 2 | 40 |
| 204 | 98 | 57 | 4 | 41 |
| 205 | 99 | 18 | 4 | 39 |
| 206 | 99 | 38 | 2 | 39 |
| 207 | 99 | 58 | 2 | 38 |
| 208 | 100 | 18 | 2 | 37 |
| 209 | 100 | 39 | 2 | 39 |
| 210 | 100 | 59 | 2 | 39 |
| 211 | 101 | 19 | 2 | 39 |
| 212 | 101 | 39 | 4 | 41 |
| 213 | 102 | 0 | 4 | 39 |
| 214 | 102 | 20 | 4 | 40 |
| 215 | 102 | 40 | 4 | 40 |
| 216 | 103 | 1 | 4 | 41 |
| 217 | 103 | 21 | 4 | 39 |
| 218 | 103 | 41 | 4 | 39 |
| 219 | 104 | 1 | 4 | 39 |
| 220 | 104 | 22 | 4 | 39 |
| 221 | 104 | 42 | 4 | 39 |
| 222 | 105 | 22 | 4 | 38 |
| 223 | 105 | 43 | 4 | 39 |
| 224 | 105 | 43 | 5 | 39 |
| 225 | 106 | 3 | 4 | 38 |
| 226 | 106 | 23 | 4 | 38 |
| 227 | 106 | 43 | 4 | 38 |
| 228 | 107 | 3 | 4 | 37 |
| 229 | 107 | 24 | 5 | 38 |
| 230 | 107 | 44 | 5 | 39 |
| 231 | 108 | 4 | 5 | 39 |
| 232 | 108 | 24 | 5 | 38 |
| 233 | 108 | 44 | 5 | 38 |
| 234 | 109 | 4 | 5 | 39 |
| 235 | 109 | 24 | 5 | 39 |
| 236 | 109 | 45 | 5 | 39 |
| 237 | 110 | 5 | 5 | 39 |
| 238 | 110 | 25 | 5 | 39 |
| 239 | 110 | 45 | 5 | 39 |
| 240 | 111 | 5 | 5 | 38 |
| 241 | 111 | 25 | 5 | 37 |
| 242 | 111 | 45 | 5 | 38 |
| 243 | 112 | 5 | 5 | 40 |
| 244 | 112 | 25 | 5 | 36 |
| 245 | 112 | 45 | 5 | 36 |

| SWEEP COUNT | 6-02 TIME (MIN) | 6-03 TIME SEC. | 6-27 ENG.#2 ACCESS 3-BOX (START) TEMP DEG.C | 6-28 ENG.#2 ACCESS 3-BOX (F.FR) TEMP DEG.C |
|----------------|-----------------------|----------------------|---|--|
| 246 | 113 | 5 | 5 | 38 |
| 247 | 113 | 25 | 6 | 38 |
| 248 | 113 | 45 | 5 | 37 |
| 249 | 114 | 5 | 5 | 36 |
| 250 | 114 | 25 | 5 | 36 |
| 251 | 114 | 45 | 5 | 37 |
| 252 | 115 | 5 | 5 | 36 |
| 253 | 115 | 25 | 5 | 36 |
| 254 | 115 | 45 | 5 | 36 |
| 255 | 116 | 5 | 5 | 37 |
| 256 | 116 | 25 | 6 | 36 |
| 257 | 116 | 45 | 5 | 36 |
| 258 | 117 | 5 | 5 | 38 |
| 259 | 117 | 25 | 5 | 36 |
| 260 | 117 | 45 | 5 | 36 |
| 261 | 118 | 5 | 5 | 36 |
| 262 | 118 | 25 | 5 | 37 |
| 263 | 118 | 45 | 5 | 37 |
| 264 | 119 | 6 | 5 | 38 |
| 265 | 119 | 26 | 5 | 39 |
| 266 | 119 | 46 | 5 | 39 |
| 267 | 120 | 6 | 5 | 39 |
| 268 | 120 | 26 | 5 | 39 |
| 269 | 120 | 45 | 6 | 37 |
| 270 | 121 | 6 | 6 | 39 |
| 271 | 121 | 26 | 6 | 39 |
| 272 | 121 | 46 | 7 | 48 |
| 273 | 121 | 59 | 6 | 39 |
| 274 | 122 | 27 | 7 | 39 |
| 275 | 122 | 47 | 6 | 38 |
| 276 | 123 | 7 | 5 | 36 |
| 277 | 123 | 28 | 7 | 37 |
| 278 | 123 | 48 | 5 | 37 |
| 279 | 124 | 8 | 5 | 39 |
| 280 | 124 | 29 | 5 | 40 |
| 281 | 124 | 49 | 5 | 40 |
| 282 | 125 | 10 | 5 | 38 |
| 283 | 125 | 31 | 7 | 40 |
| 284 | 125 | 51 | 7 | 39 |
| 285 | 125 | 12 | 7 | 38 |
| 286 | 126 | 32 | 7 | 37 |
| 287 | 126 | 53 | 7 | 39 |
| 288 | 127 | 13 | 7 | 41 |
| 289 | 127 | 34 | 7 | 39 |
| 290 | 127 | 54 | 7 | 38 |
| 291 | 128 | 15 | 8 | 38 |
| 292 | 128 | 35 | 7 | 39 |
| 293 | 128 | 56 | 7 | 40 |
| 294 | 129 | 16 | 7 | 40 |
| 295 | 129 | 37 | 7 | 40 |

| -01 SWREP COUNT | START TIME | END TIME | SEC. | 6-27 END-2 ACCESS S.W.A (S.W.A) | 6-28 END-2 ACCESS S.W.A (S.W.A) | 6-29 END-2 ACCESS S.W.A (S.W.A) |
|-----------------------|---------------|-------------|------|---|---|---|
| 296 | 129 | 5A | 5A | 7 | 7 | 40 |
| 297 | 130 | 1A | 1A | 7 | 7 | 41 |
| 298 | 130 | 1A | 1A | 7 | 7 | 40 |
| 299 | 130 | 58 | 58 | 8 | 8 | 38 |
| 300 | 131 | 20 | 20 | 7 | 7 | 40 |
| 301 | 131 | 00 | 00 | 7 | 7 | 40 |
| 302 | 132 | 1 | 1 | 7 | 7 | 40 |
| 303 | 132 | 21 | 21 | 7 | 7 | 40 |
| 304 | 137 | 42 | 42 | 7 | 7 | 40 |
| 305 | 133 | 2 | 2 | 7 | 7 | 40 |
| 306 | 132 | 23 | 23 | 7 | 7 | 41 |
| 307 | 133 | 43 | 43 | 8 | 8 | 41 |
| 308 | 134 | 4 | 4 | 7 | 7 | 40 |
| 309 | 134 | 21 | 21 | 7 | 7 | 41 |
| 310 | 135 | 44 | 44 | 8 | 8 | 41 |
| 311 | 135 | 5 | 5 | 8 | 8 | 41 |
| 312 | 135 | 25 | 25 | 8 | 8 | 41 |
| 313 | 136 | 45 | 45 | 8 | 8 | 41 |
| 314 | 136 | 5 | 5 | 8 | 8 | 41 |
| 315 | 136 | 25 | 25 | 8 | 8 | 41 |
| 316 | 136 | 45 | 45 | 8 | 8 | 42 |
| 317 | 137 | 5 | 5 | 8 | 8 | 42 |
| 318 | 137 | 25 | 25 | 8 | 8 | 42 |
| 319 | 137 | 45 | 45 | 9 | 9 | 42 |
| 320 | 138 | 5 | 5 | 9 | 9 | 42 |
| 321 | 138 | 25 | 25 | 9 | 9 | 42 |
| 322 | 138 | 45 | 45 | 9 | 9 | 42 |
| 323 | 139 | 5 | 5 | 10 | 10 | 42 |
| 324 | 139 | 25 | 25 | 10 | 10 | 42 |
| 325 | 139 | 45 | 45 | 10 | 10 | 41 |
| 326 | 140 | 5 | 5 | 9 | 9 | 41 |
| 327 | 140 | 25 | 25 | 9 | 9 | 36 |
| 328 | 140 | 45 | 45 | 9 | 9 | 34 |
| 329 | 141 | 5 | 5 | 8 | 8 | 36 |
| 330 | 141 | 25 | 25 | 8 | 8 | 37 |
| 331 | 141 | 45 | 45 | 7 | 7 | 39 |
| 332 | 142 | 5 | 5 | 7 | 7 | 39 |
| 333 | 142 | 24 | 24 | 7 | 7 | 37 |
| 334 | 142 | 44 | 44 | 7 | 7 | 35 |
| 335 | 143 | 4 | 4 | 6 | 6 | 34 |
| 336 | 143 | 24 | 24 | 6 | 6 | 34 |
| 337 | 143 | 43 | 43 | 6 | 6 | 32 |
| 338 | 144 | 3 | 3 | 4 | 4 | 31 |
| 339 | 144 | 23 | 23 | 3 | 3 | 31 |
| 340 | 144 | 43 | 43 | 2 | 2 | 29 |
| 341 | 145 | 3 | 3 | 2 | 2 | 31 |
| 342 | 145 | 22 | 22 | 1 | 1 | 32 |
| 343 | 145 | 42 | 42 | 2 | 2 | 33 |
| 344 | 146 | 2 | 2 | 2 | 2 | 34 |
| 345 | 146 | 22 | 22 | 1 | 1 | 33 |

100

| 01 SHEET COUNT | 6-27 TIME MIN. | 6-28 TIME SEC. | 6-27 ENG.#2 ADDRESS G. BOX (F. FR) TEMP DEGC | 6-28 ENG.#2 ADDRESS G. BOX (F. FR) TEMP DEGC |
|----------------------|----------------------|----------------------|--|--|
| 346 | 146 | 42 | 1 | 33 |
| 347 | 147 | 2 | 0 | 32 |
| 348 | 147 | 21 | 0 | 30 |
| 349 | 147 | 41 | 0 | 29 |
| 350 | 148 | 1 | 0 | 29 |
| 351 | 148 | 21 | 6 | 31 |
| 352 | 148 | 6 | 0 | 31 |
| 353 | 149 | 0 | 1 | 33 |
| 354 | 149 | 20 | 0 | 35 |
| 355 | 149 | 40 | 0 | 34 |
| 356 | 150 | 0 | 0 | 35 |
| 357 | 150 | 19 | 0 | 36 |
| 358 | 150 | 39 | 0 | 36 |
| 359 | 150 | 59 | 0 | 35 |
| 360 | 151 | 19 | 0 | 36 |
| 361 | 151 | 39 | 0 | 36 |
| 362 | 151 | 59 | 0 | 36 |
| 363 | 152 | 10 | 0 | 36 |
| 364 | 152 | 38 | 0 | 37 |
| 365 | 152 | 58 | 0 | 35 |
| 366 | 153 | 17 | 0 | 36 |
| 367 | 153 | 37 | 0 | 35 |
| 368 | 153 | 57 | 0 | 36 |
| 369 | 154 | 17 | 0 | 35 |
| 370 | 154 | 36 | 0 | 35 |
| 371 | 154 | 56 | 0 | 35 |
| 372 | 155 | 16 | 0 | 35 |
| 373 | 155 | 36 | 0 | 36 |
| 374 | 155 | 55 | 0 | 36 |
| 375 | 156 | 15 | 0 | 36 |
| 376 | 156 | 35 | 0 | 35 |
| 377 | 156 | 54 | 0 | 35 |
| 378 | 157 | 14 | 0 | 36 |
| 379 | 157 | 34 | 0 | 37 |
| 380 | 157 | 54 | 0 | 36 |
| 381 | 158 | 13 | 0 | 36 |
| 382 | 158 | 33 | 1 | 36 |
| 383 | 158 | 53 | 1 | 37 |
| 384 | 159 | 12 | 1 | 36 |
| 385 | 159 | 32 | 0 | 35 |
| 386 | 159 | 52 | 0 | 35 |
| 387 | 160 | 11 | 0 | 35 |
| 388 | 160 | 31 | 0 | 35 |
| 389 | 160 | 51 | 0 | 35 |
| 390 | 161 | 10 | -0 | 35 |
| 391 | 161 | 30 | -0 | 35 |
| 392 | 161 | 50 | -1 | 35 |
| 393 | 162 | 9 | 1 | 34 |
| 394 | 162 | 29 | -0 | 35 |
| 395 | 163 | 33 | -1 | 35 |

| -01 SHEEP COUNT | 5-02 TIME MIN. | 6-03 TIME SEC. | 6-07 ENG.#2 ADDRESS 2#BOX (F PR) | 6-07 ENG.#2 ADDRESS 2#BOX (F PR) TEMP DEG.C | 6-03 ENG.#2 ADDRESS 2#BOX (F PR) TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|---|---|
| 396 | 163 | 52 | -1 | -1 | 35 |
| 397 | 164 | 12 | -1 | -1 | 35 |
| 398 | 167 | 1 | -1 | -1 | 35 |
| 399 | 167 | 20 | -1 | -1 | 35 |
| 400 | 167 | 40 | -1 | -1 | 35 |
| 401 | 169 | 35 | -1 | -1 | 33 |
| 402 | 172 | 9 | 0 | 0 | 39 |
| 403 | 172 | 28 | 0 | 0 | 39 |
| 404 | 172 | 46 | 0 | 0 | 35 |
| 405 | 174 | 42 | -1 | -1 | 32 |
| 406 | 175 | 2 | -1 | -1 | 29 |
| 407 | 175 | 21 | -1 | -1 | 28 |
| 408 | 177 | 16 | -1 | -1 | 32 |
| 409 | 178 | 7 | -3 | -3 | 34 |
| 410 | 178 | 26 | -4 | -4 | 31 |
| 411 | 178 | 66 | -3 | -3 | 35 |
| 412 | 179 | 5 | -2 | -2 | 37 |
| 413 | 179 | 25 | -3 | -3 | 35 |
| 414 | 179 | 45 | -3 | -3 | 35 |
| 415 | 180 | 4 | -4 | -4 | 34 |
| 416 | 180 | 24 | -3 | -3 | 35 |
| 417 | 180 | 43 | -2 | -2 | 35 |
| 418 | 181 | 3 | -3 | -3 | 36 |
| 419 | 181 | 22 | -2 | -2 | 36 |
| 420 | 181 | 42 | -2 | -2 | 36 |
| 421 | 182 | 2 | -2 | -2 | 36 |
| 422 | 182 | 21 | -2 | -2 | 36 |
| 423 | 182 | 41 | -2 | -2 | 36 |
| 424 | 183 | 0 | -1 | -1 | 35 |
| 425 | 183 | 20 | -1 | -1 | 36 |
| 426 | 183 | 39 | -1 | -1 | 36 |
| 427 | 183 | 59 | -2 | -2 | 36 |
| 428 | 184 | 16 | -1 | -1 | 36 |
| 429 | 184 | 38 | -0 | -0 | 36 |
| 430 | 184 | 58 | -0 | -0 | 36 |
| 431 | 185 | 16 | -1 | -1 | 37 |
| 432 | 185 | 39 | -1 | -1 | 36 |
| 433 | 185 | 59 | -1 | -1 | 36 |
| 434 | 186 | 18 | 0 | 0 | 38 |
| 435 | 186 | 37 | 0 | 0 | 39 |
| 436 | 186 | 57 | 1 | 1 | 39 |
| 437 | 187 | 16 | 1 | 1 | 39 |
| 438 | 187 | 36 | 2 | 2 | 37 |
| 439 | 187 | 55 | 2 | 2 | 36 |
| 440 | 189 | 43 | 4 | 4 | 30 |
| 441 | 189 | 16 | 7 | 7 | 27 |
| 442 | 191 | 16 | 1 | 1 | 25 |
| 443 | 191 | 36 | 1 | 1 | 25 |
| 444 | 191 | 55 | 1 | 1 | 25 |
| 445 | 192 | 15 | 1 | 1 | 24 |
| 446 | 194 | 15 | 1 | 1 | 24 |
| 447 | 194 | 5 | 1 | 1 | 20 |

| -11 SHEEP COUNT | 1-02 TIME MIN. | 5-03 TIME SEC. | 6-27 ENG.2 ACCESS G.RCK (STRY) TEMP DEG.C | 6-28 ENG.2 ACCESS G.BOX (IF FR) TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|--|
| 446 | 198 | 21 | -0 | 9 |
| 447 | 198 | 40 | -0 | 6 |
| 448 | 199 | 0 | -0 | 7 |
| 449 | 207 | 8 | -2 | 0 |
| 450 | 207 | 28 | -3 | 0 |
| 451 | 207 | 47 | -3 | 0 |
| 452 | 208 | 8 | -2 | 0 |
| 453 | 212 | 28 | -4 | -2 |
| 454 | 212 | 48 | -4 | -2 |
| 455 | 213 | 7 | -4 | -2 |
| 456 | 213 | 20 | -4 | -2 |
| 457 | 217 | 47 | -5 | -5 |
| 458 | 218 | 6 | -7 | -6 |
| 459 | 218 | 28 | -7 | -6 |
| 460 | 222 | 44 | -8 | -8 |
| 461 | 223 | 4 | -8 | -8 |
| 462 | 223 | 23 | -8 | -8 |
| 463 | 227 | 2 | -7 | -8 |
| 464 | 227 | 21 | -8 | -8 |
| 465 | 227 | 41 | -8 | -8 |
| 466 | 231 | 19 | -9 | -9 |
| 467 | 229 | 59 | -9 | -9 |
| 468 | 231 | 58 | -9 | -9 |
| 469 | 235 | 36 | -10 | -11 |
| 470 | 235 | 56 | -10 | -11 |
| 471 | 236 | 15 | -11 | -11 |
| 472 | 239 | 53 | -12 | -13 |
| 473 | 240 | 12 | -13 | -13 |
| 474 | 240 | 31 | -13 | -14 |
| 475 | 244 | 9 | -14 | -14 |
| 476 | 244 | 28 | -14 | -15 |
| 477 | 244 | 47 | -15 | -15 |
| 478 | 248 | 24 | -16 | -14 |
| 479 | 248 | 43 | -13 | -14 |
| 480 | 249 | 3 | -13 | -13 |
| 481 | | | | |

MH-53C S/N 60-10354
 ARCTIC TEST
 9 JANUARY 1971
 RUN NO. 2 -40 DEG C / -40 DEG F

| -01 SWEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-05 ENG.1 IGNIT EXCITER MOUNT YCP DEG.C | 7-06 ENG.1 IGNIT FACITR INBD OF 5.0 | 7-07 ENG.1 IGNIT FACITR SKIN OUTBD DEG.C | 7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C | 7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C | 7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C | 7-11 ENG.1 COMPRS CSE ST.2 4.50 DEG.C | 7-13 ENG.1 COMPRS CSE ST.3 4.30 DEG.C | 7-14 ENG.1 COMPRS CSE ST.3 6.80 DEG.C | 7-15 ENG.1 COMPRS CSE ST.4 8.80 DEG.C |
|-----------------------|----------------------|----------------------|--|--|--|--|--|--|---|---|---|---|
| 1 | 0 | 10 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 2 | 0 | 30 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 3 | 0 | 50 | -32 | -32 | -32 | -31 | -33 | -33 | -32 | -32 | -32 | -32 |
| 4 | 1 | 10 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 5 | 1 | 30 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 6 | 1 | 49 | -32 | -32 | -32 | -31 | -33 | -33 | -32 | -32 | -32 | -32 |
| 7 | 2 | 9 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 8 | 2 | 29 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 9 | 2 | 50 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 10 | 3 | 10 | -32 | -32 | -32 | -31 | -33 | -33 | -32 | -32 | -32 | -32 |
| 11 | 3 | 30 | -32 | -32 | -32 | -31 | -33 | -33 | -32 | -32 | -32 | -32 |
| 12 | 3 | 50 | -32 | -32 | -31 | -31 | -33 | -33 | -32 | -32 | -32 | -32 |
| 13 | 4 | 10 | -32 | -32 | -31 | -32 | -33 | -33 | -31 | -32 | -32 | -32 |
| 14 | 4 | 30 | -32 | -32 | -32 | -32 | -33 | -33 | -31 | -32 | -32 | -32 |
| 15 | 4 | 50 | -32 | -32 | -31 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 16 | 5 | 5 | -32 | -32 | -32 | -31 | -33 | -33 | -32 | -32 | -32 | -32 |
| 17 | 5 | 30 | -32 | -32 | -32 | -31 | -33 | -33 | -32 | -32 | -32 | -32 |
| 18 | 5 | 50 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 19 | 6 | 10 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 20 | 6 | 30 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 21 | 6 | 50 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 22 | 7 | 10 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 23 | 7 | 30 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 24 | 7 | 51 | -31 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 25 | 8 | 11 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 26 | 8 | 31 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 27 | 8 | 51 | -32 | -32 | -32 | -31 | -33 | -33 | -32 | -32 | -32 | -32 |
| 28 | 9 | 11 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 29 | 9 | 31 | -32 | -32 | -32 | -31 | -33 | -33 | -32 | -32 | -32 | -32 |
| 30 | 9 | 51 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 31 | 10 | 11 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 32 | 12 | 42 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 33 | 17 | 11 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 34 | 17 | 31 | -32 | -32 | -32 | -31 | -33 | -33 | -32 | -32 | -32 | -32 |
| 35 | 17 | 52 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 36 | 21 | 40 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 37 | 22 | 0 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 38 | 22 | 21 | -32 | -32 | -32 | -31 | -33 | -33 | -32 | -32 | -32 | -32 |
| 39 | 22 | 41 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 40 | 23 | 31 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 41 | 23 | 51 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 42 | 24 | 12 | -32 | -32 | -32 | -31 | -33 | -33 | -32 | -32 | -32 | -32 |
| 43 | 24 | 29 | -32 | -32 | -32 | -31 | -33 | -33 | -32 | -32 | -32 | -32 |
| 44 | 24 | 53 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |
| 45 | 25 | 18 | -32 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 | -32 |

| -01 SWEEP COUNT | 1-02 TIME | 7-03 TIME SEC. | 7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C | 7-06 ENG.1 IGNIT EXCITR SKIN IMBD DEG.C | 7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C | 7-08 ENG.1 FUEL CONTR CASE TEMP DEG.C | 7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C | 7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C | 7-11 ENG.1 COMPR GSE STG.2 4.30 DEG.C | 7-13 ENG.1 COMPR GSE STG.3 4.30 DEG.C | 7-14 ENG.1 COMPR GSE STG.3 6.00 DEG.C | 7-15 ENG.1 COMPR GSE STG.4 3.00 DEG.C |
|-----------------------|--------------|----------------------|--|---|--|---|--|--|---|---|---|---|
| 46 | 25 | 34 | -32 | -32 | -32 | -31 | -33 | -32 | -32 | -32 | -32 | -32 |
| 47 | 25 | 54 | -31 | -33 | -32 | -32 | -32 | -33 | -32 | -32 | -32 | -32 |
| 48 | 26 | 15 | -32 | -32 | -32 | -31 | -33 | -32 | -32 | -32 | -32 | -32 |
| 49 | 26 | 35 | -32 | -32 | -32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 0 | 26 | 55 | -32 | -32 | -32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 51 | 27 | 16 | -32 | 32 | -32 | -32 | -33 | -31 | -31 | -33 | -33 | -32 |
| 52 | 29 | 57 | -32 | -33 | -32 | -31 | -33 | -32 | -32 | -31 | -33 | -32 |
| 53 | 30 | 10 | -33 | -33 | -32 | -32 | -32 | -33 | -33 | -32 | -32 | -32 |
| 54 | 30 | 30 | -32 | -33 | -32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 55 | 34 | 39 | -32 | -32 | -32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 56 | 35 | 0 | -32 | -33 | -32 | -31 | -33 | -33 | -33 | -32 | -32 | -32 |
| 57 | 35 | 20 | -32 | -32 | -32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 58 | 41 | 41 | -32 | -33 | -33 | -32 | -33 | -32 | -31 | -33 | -33 | -33 |
| 59 | 39 | 9 | -32 | -32 | -32 | -30 | -33 | -32 | -32 | -32 | -32 | -32 |
| 0 | 39 | 30 | -33 | -33 | -33 | -32 | -32 | -31 | -32 | -32 | -32 | -32 |
| 61 | 39 | 50 | -32 | -32 | -32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 62 | 40 | 11 | -33 | -33 | -32 | -30 | -33 | -32 | -32 | -32 | -32 | -32 |
| 63 | 43 | 39 | -32 | -33 | -32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 64 | 44 | 0 | -32 | -33 | -32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 65 | 44 | 20 | -32 | -33 | -32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 66 | 44 | 41 | -32 | -32 | -32 | -31 | -33 | -32 | -32 | -32 | -32 | -32 |
| 67 | 48 | 9 | -32 | -33 | -32 | -31 | -33 | -32 | -32 | -32 | -32 | -32 |
| 68 | 52 | 39 | -32 | -32 | -32 | -31 | -33 | -32 | -32 | -32 | -32 | -32 |
| 69 | 53 | 0 | -32 | -32 | -32 | -31 | -33 | -32 | -32 | -32 | -32 | -32 |
| 0 | 53 | 21 | -32 | -32 | -32 | -29 | -33 | -32 | -32 | -32 | -32 | -32 |
| 71 | 53 | 42 | -32 | -32 | -32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 72 | 54 | 3 | -32 | -32 | -32 | -29 | -33 | -32 | -32 | -32 | -32 | -32 |
| 73 | 54 | 23 | -32 | -33 | -32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 74 | 54 | 44 | -32 | -32 | -32 | -31 | -33 | -32 | -32 | -32 | -32 | -32 |
| 75 | 55 | 5 | -32 | -33 | -32 | -29 | -33 | -32 | -32 | -32 | -32 | -32 |
| 77 | 55 | 47 | -32 | -33 | -32 | -31 | -33 | -32 | -32 | -32 | -32 | -32 |
| 78 | 56 | 0 | -32 | -32 | -32 | -29 | -33 | -32 | -32 | -32 | -32 | -32 |
| 79 | 56 | 20 | -31 | -32 | -32 | -30 | -33 | -32 | -32 | -32 | -32 | -32 |
| 0 | 56 | 49 | -32 | -32 | -32 | -31 | -33 | -32 | -32 | -32 | -32 | -32 |
| 81 | 57 | 10 | -32 | -32 | -32 | -30 | -33 | -32 | -32 | -32 | -32 | -32 |
| 82 | 57 | 31 | -32 | -32 | -32 | -31 | -33 | -32 | -32 | -32 | -32 | -32 |
| 83 | 57 | 51 | -31 | -32 | -32 | -29 | -33 | -32 | -32 | -32 | -32 | -32 |
| 84 | 58 | 12 | -32 | -32 | -32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 85 | 58 | 32 | -31 | -32 | -32 | -30 | -33 | -32 | -32 | -32 | -32 | -32 |
| 86 | 58 | 53 | -32 | -32 | -32 | 4 | -33 | -32 | -32 | -32 | -32 | -32 |
| 87 | 59 | 14 | -32 | -32 | -32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 88 | 59 | 34 | -32 | -33 | -32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 89 | 59 | 55 | -31 | -32 | -32 | -30 | -33 | -32 | -32 | -32 | -32 | -32 |
| 0 | 60 | 16 | -32 | -32 | -32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 91 | 60 | 36 | -32 | -32 | -32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 92 | 60 | 57 | -32 | -32 | -32 | -31 | -33 | -32 | -32 | -32 | -32 | -32 |
| 93 | 61 | 17 | -32 | -32 | -32 | -30 | -33 | -32 | -32 | -32 | -32 | -32 |
| 94 | 61 | 38 | -32 | -32 | -32 | -31 | -33 | -32 | -32 | -32 | -32 | -32 |
| 95 | 61 | 58 | -32 | -32 | -32 | -31 | -33 | -32 | -32 | -32 | -32 | -32 |

| 7-01 | 7-02 | 7-03 | 7-05 | 7-05 | 7-07 | 7-08 | 7-09 | 7-10 | 7-11 | 7-13 | 7-14 | 7-15 |
|------|------|------|--------|--------|--------|-------|-------|-------|--------|--------|--------|--------|
| REFD | TIME | TIME | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 |
| OUNT | MIN. | SEC. | ISMT | ISMT | ISMT | FUEL | CUBC | FUFL | COMPRS | COMPRS | COMPRS | COMPRS |
| | | | EXCITR | EXCITR | EXCITR | CONTR | PUMP | PUMP | CSE | CSE | CSE | CSE |
| | | | SKIN | SKIN | SKIN | CASE | TEMP | TEMP | DEG.C | DEG.C | DEG.C | DEG.C |
| | | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 96 | 52 | 19 | -32 | -32 | -32 | -32 | -32 | -32 | -31 | -31 | -32 | -31 |
| 97 | 62 | 00 | -32 | -32 | -32 | -31 | -31 | -32 | -31 | -32 | -32 | -31 |
| 98 | 63 | 00 | -31 | -32 | -32 | -30 | -33 | -32 | -29 | -31 | -32 | -29 |
| 99 | 63 | 21 | -31 | -32 | -32 | -30 | -31 | -32 | -31 | -31 | -32 | -31 |
| 100 | 67 | 41 | -31 | -32 | -32 | -30 | -33 | -33 | -29 | -31 | -32 | -29 |
| 101 | 64 | 2 | -31 | -32 | -32 | -30 | -33 | -32 | -31 | -31 | -31 | -31 |
| 102 | 64 | 22 | -32 | -32 | -32 | -30 | -33 | -32 | -29 | -31 | -31 | -31 |
| 103 | 64 | 43 | -31 | -32 | -32 | -30 | -33 | -32 | -29 | -31 | -32 | -29 |
| 104 | 65 | 5 | -31 | -32 | -31 | -30 | -31 | -32 | -29 | -31 | -32 | -29 |
| 105 | 65 | 24 | -31 | -32 | -32 | -30 | -31 | -32 | -29 | -31 | -32 | -31 |
| 106 | 65 | 45 | -32 | -32 | -32 | -29 | -30 | -31 | -32 | -30 | -30 | -30 |
| 107 | 66 | 5 | -32 | -32 | -32 | -32 | -29 | -30 | -29 | -30 | -30 | -31 |
| 108 | 66 | 26 | -31 | -32 | -31 | -32 | -29 | -30 | -29 | -30 | -30 | -31 |
| 109 | 66 | 46 | -31 | -31 | -32 | -31 | -28 | -31 | -28 | -30 | -30 | -28 |
| 110 | 67 | 7 | -30 | -31 | -32 | -29 | -29 | -29 | -28 | -29 | -29 | -29 |
| 111 | 67 | 28 | -30 | -31 | -31 | -31 | -28 | -30 | -28 | -29 | -29 | -29 |
| 112 | 67 | 48 | -30 | -31 | -31 | -31 | -28 | -30 | -28 | -29 | -29 | -29 |
| 113 | 67 | 33 | -30 | -31 | -31 | -31 | -28 | -30 | -28 | -29 | -29 | -29 |
| 114 | 68 | 30 | -30 | -31 | -31 | -31 | -29 | -30 | -26 | -29 | -29 | -29 |
| 115 | 68 | 51 | -30 | -31 | -31 | -31 | -29 | -30 | -28 | -29 | -29 | -29 |
| 116 | 69 | 12 | -30 | -31 | -30 | -29 | -25 | -31 | -28 | -29 | -29 | -29 |
| 117 | 69 | 32 | -30 | -31 | -30 | -29 | -25 | -30 | -28 | -29 | -29 | -29 |
| 118 | 69 | 55 | -30 | -31 | -30 | -29 | -24 | -30 | -28 | -29 | -29 | -29 |
| 119 | 70 | 14 | -29 | -30 | -30 | -29 | -23 | -29 | -27 | -28 | -26 | -29 |
| 120 | 70 | 34 | -30 | -31 | -30 | -28 | -24 | -30 | -27 | -28 | -26 | -29 |
| 121 | 70 | 55 | -30 | -31 | -30 | -29 | -23 | -29 | -26 | -28 | -25 | -27 |
| 122 | 71 | 51 | -29 | -30 | -30 | -29 | -25 | -29 | -26 | -27 | -25 | -28 |
| 123 | 71 | 36 | -29 | -30 | -30 | -29 | -24 | -29 | -26 | -27 | -25 | -28 |
| 124 | 71 | 56 | -29 | -30 | -29 | -28 | -24 | -29 | -26 | -27 | -25 | -28 |
| 125 | 72 | 17 | -30 | -31 | -30 | -28 | -24 | -29 | -26 | -27 | -25 | -28 |
| 126 | 72 | 37 | -30 | -31 | -30 | -29 | -25 | -30 | -26 | -27 | -25 | -28 |
| 127 | 72 | 58 | -30 | -31 | -30 | -29 | -25 | -29 | -26 | -27 | -25 | -28 |
| 128 | 73 | 01 | -29 | -30 | -30 | -28 | -24 | -29 | -26 | -27 | -25 | -28 |
| 129 | 73 | 39 | -29 | -30 | -30 | -28 | -24 | -29 | -26 | -27 | -25 | -28 |
| 130 | 73 | 59 | -29 | -30 | -30 | -28 | -24 | -29 | -26 | -27 | -25 | -28 |
| 131 | 74 | 20 | -29 | -30 | -30 | -28 | -24 | -29 | -26 | -27 | -25 | -28 |
| 132 | 74 | 40 | -29 | -30 | -30 | -28 | -24 | -29 | -26 | -27 | -25 | -28 |
| 133 | 75 | 1 | -29 | -30 | -30 | -28 | -24 | -29 | -26 | -27 | -25 | -28 |
| 134 | 75 | 21 | -29 | -30 | -30 | -28 | -24 | -29 | -26 | -27 | -25 | -28 |
| 135 | 75 | 42 | -27 | -28 | -27 | -27 | -18 | -17 | -16 | -15 | -14 | -13 |
| 136 | 76 | 2 | -26 | -27 | -26 | -26 | -14 | -14 | -14 | -14 | -14 | -14 |
| 137 | 76 | 22 | -26 | -26 | -26 | -26 | -14 | -14 | -14 | -14 | -14 | -14 |
| 138 | 76 | 43 | -26 | -26 | -26 | -26 | -14 | -14 | -14 | -14 | -14 | -14 |
| 139 | 77 | 7 | -21 | -23 | -23 | -23 | -8 | -8 | -8 | -8 | -8 | -8 |
| 140 | 77 | 24 | -21 | -23 | -23 | -23 | -8 | -8 | -8 | -8 | -8 | -8 |
| 141 | 77 | 44 | -20 | -22 | -22 | -22 | -9 | -9 | -9 | -9 | -9 | -9 |
| 142 | 78 | 4 | -18 | -20 | -20 | -20 | -4 | -4 | -4 | -4 | -4 | -4 |
| 143 | 78 | 24 | -19 | -21 | -21 | -21 | -6 | -6 | -6 | -6 | -6 | -6 |
| 144 | 78 | 45 | -19 | -21 | -21 | -21 | -6 | -6 | -6 | -6 | -6 | -6 |
| 145 | 79 | 5 | -20 | -22 | -22 | -22 | -7 | -7 | -7 | -7 | -7 | -7 |

| 01 SHEP COUNT | 7-02 TIME "IN" | 7-03 TIME SEC. | 7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C | 7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C | 7-07 ENG.1 IGNIT EXCITR SKIN OUTRD DEG.C | 7-08 ENG.1 FUEL CONTR CASE TEMP DEG.C | 7-09 ENG.1 LURE PUMP CASE TEMP DEG.C | 7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C | 7-11 ENG.1 COMPR CSE STG.2 4.30 DEG.C | 7-13 ENG.1 COMPR CSE STG.3 4.30 DEG.C | 7-14 ENG.1 COMPR CSE STG.3 6.80 DEG.C | 7-15 ENG.1 COMPR CSE STG.4 6.80 DEG.C |
|---------------------|----------------------|----------------------|--|---|--|---|--|--|---|---|---|---|
| 146 | 79 | 25 | -16 | -20 | -19 | -19 | 30 | -7 | -1 | 10 | 14 | 19 |
| 147 | 79 | 45 | -16 | -19 | -17 | -20 | 42 | -6 | 0 | 12 | 16 | 19 |
| 148 | 80 | 5 | -14 | -18 | -17 | -20 | 48 | -6 | 0 | 13 | 16 | 22 |
| 149 | 90 | 26 | -17 | -20 | -20 | -23 | 39 | -9 | -4 | 6 | 12 | 15 |
| 150 | 90 | 47 | -15 | -18 | -17 | -21 | 44 | -4 | -1 | 8 | 13 | 18 |
| 151 | 81 | 7 | -14 | -17 | -17 | -21 | 44 | -5 | 0 | 11 | 12 | 19 |
| 152 | 81 | 27 | -16 | -18 | -18 | -20 | 42 | -8 | -2 | 7 | 6 | 16 |
| 153 | 81 | 48 | -16 | -18 | -19 | -17 | 43 | -7 | -3 | 8 | 18 | 16 |
| 154 | 82 | 8 | -16 | -18 | -17 | -15 | 44 | -7 | -4 | 10 | 18 | 18 |
| 155 | 82 | 28 | -14 | -16 | -16 | -15 | 46 | -6 | 0 | 13 | 15 | 21 |
| 156 | 82 | 49 | -13 | -16 | -16 | -17 | 46 | -5 | 0 | 13 | 16 | 20 |
| 157 | 83 | 9 | -11 | -16 | -15 | -18 | 47 | -4 | 1 | 14 | 15 | 23 |
| 158 | 83 | 29 | -12 | -15 | -15 | -16 | 45 | -4 | 0 | 12 | 15 | 21 |
| 159 | 83 | 49 | -11 | -15 | -14 | -19 | 45 | -7 | 0 | 11 | 14 | 20 |
| 160 | 84 | 10 | -15 | -15 | -14 | -19 | 47 | -4 | 0 | 13 | 14 | 20 |
| 161 | 84 | 30 | -14 | -14 | -14 | -20 | 45 | -4 | 0 | 11 | 13 | 21 |
| 162 | 84 | 50 | -9 | -14 | -14 | -20 | 47 | -4 | 0 | 11 | 13 | 21 |
| 163 | 85 | 10 | -11 | -14 | -14 | -20 | 46 | -4 | 0 | 10 | 12 | 19 |
| 164 | 85 | 31 | -9 | -14 | -14 | -21 | 46 | -4 | 0 | 9 | 12 | 19 |
| 165 | 85 | 51 | -5 | -14 | -14 | -21 | 46 | -4 | 0 | 10 | 12 | 19 |
| 166 | 86 | 11 | -4 | -14 | -14 | -21 | 46 | -5 | -1 | 10 | 11 | 19 |
| 167 | 86 | 31 | -8 | -14 | -14 | -22 | 47 | -4 | -1 | 10 | 12 | 19 |
| 168 | 86 | 52 | -7 | -14 | -14 | -20 | 47 | -4 | -1 | 10 | 12 | 19 |
| 169 | 87 | 12 | -8 | -14 | -14 | -22 | 46 | -4 | -1 | 10 | 11 | 19 |
| 170 | 87 | 32 | -8 | -13 | -14 | -23 | 47 | -4 | -1 | 8 | 10 | 17 |
| 171 | 87 | 53 | -7 | -13 | -13 | -23 | 47 | -5 | -1 | 9 | 10 | 17 |
| 172 | 88 | 13 | -7 | -13 | -14 | -24 | 47 | -4 | -1 | 7 | 8 | 16 |
| 173 | 88 | 33 | -7 | -13 | -15 | -25 | 47 | -4 | -4 | 8 | 8 | 16 |
| 174 | 88 | 53 | -7 | -13 | -14 | -22 | 46 | -4 | -4 | 8 | 8 | 16 |
| 175 | 89 | 14 | -7 | -12 | -14 | -20 | 46 | -4 | -2 | 14 | 14 | 14 |
| 176 | 89 | 34 | -7 | -12 | -14 | -22 | 45 | -5 | 0 | 14 | 14 | 14 |
| 177 | 89 | 54 | -6 | -13 | -13 | -21 | 45 | -5 | 0 | 14 | 14 | 14 |
| 178 | 90 | 14 | -6 | -13 | -13 | -24 | 46 | -4 | 0 | 11 | 12 | 14 |
| 179 | 90 | 34 | -5 | -12 | -13 | -24 | 46 | -4 | 0 | 11 | 12 | 14 |
| 180 | 90 | 55 | -1 | -12 | -13 | -23 | 45 | -5 | 0 | 16 | 16 | 16 |
| 181 | 91 | 15 | -5 | -13 | -13 | -25 | 46 | -4 | -1 | 14 | 14 | 16 |
| 182 | 91 | 35 | -1 | -12 | -13 | -24 | 46 | -4 | -2 | 14 | 14 | 16 |
| 183 | 91 | 55 | -1 | -12 | -14 | -26 | 46 | -5 | -3 | 14 | 14 | 16 |
| 184 | 92 | 15 | -5 | -13 | -14 | -26 | 46 | -5 | -2 | 9 | 5 | 16 |
| 185 | 92 | 36 | -1 | -13 | -14 | -26 | 46 | -5 | -2 | 9 | 5 | 16 |
| 186 | 92 | 56 | -6 | -13 | -16 | -26 | 45 | -5 | -2 | 9 | 5 | 16 |
| 187 | 93 | 16 | -1 | -11 | -14 | -25 | 47 | -5 | -2 | 8 | 4 | 14 |
| 188 | 93 | 36 | -1 | -11 | -14 | -27 | 47 | -5 | -1 | 7 | 4 | 14 |
| 189 | 93 | 56 | -5 | -13 | -14 | -24 | 46 | -5 | -2 | 6 | 5 | 15 |
| 190 | 94 | 17 | -1 | -12 | -14 | -25 | 46 | -4 | -2 | 6 | 6 | 15 |
| 191 | 94 | 37 | -1 | -12 | -14 | -25 | 46 | -4 | -2 | 6 | 6 | 15 |
| 192 | 94 | 57 | -5 | -13 | -14 | -24 | 45 | -5 | -3 | 7 | 6 | 15 |
| 193 | 95 | 17 | -6 | -12 | -14 | -24 | 45 | -5 | -3 | 7 | 6 | 15 |
| 194 | 95 | 38 | -1 | -12 | -13 | -25 | 46 | -7 | -1 | 24 | 27 | 27 |
| 195 | 95 | 58 | -1 | -12 | -12 | -21 | 45 | -9 | 6 | 25 | 28 | 28 |

| -0- SLEEP (COM) | 7-00 TIME MIN. | 7-03 TIME SEC. | 7-05 INSTRUMENT COUNT TEMP DEG.C | 7-06 ENG.1 IGNIT EXCITE SKIN INBD DEG.C | 7-07 ENG.1 IGNIT FACIR SKIN OUTRD DEG.C | 7-08 ENG.1 FUEL CONTROL CASE TEMP DEG.C | 7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C | 7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C | 7-11 ENG.1 COMPR CSE STG.2 4.30 DEG.C | 7-13 ENG.1 COMPR CSE STG.3 4.70 DEG.C | 7-14 ENG.1 COMPR CSE STG.3 6.00 DEG.C | 7-15 ENG.1 COMPR CSE STG.4 3.00 DEG.C |
|-----------------------|----------------------|----------------------|--|---|---|---|--|--|---|---|---|---|
| 196 | 96 | 18 | -4 | -10 | -11 | -11 | 45 | -9 | 10 | 37 | 40 | 48 |
| 197 | 96 | 38 | -3 | -9 | -10 | -14 | 47 | -8 | 13 | 38 | 41 | 49 |
| 198 | 96 | 59 | -3 | -9 | -10 | -13 | 46 | -8 | 13 | 38 | 39 | 49 |
| 199 | 97 | 18 | -2 | -9 | -10 | -9 | 46 | -8 | 15 | 40 | 43 | 53 |
| 200 | 97 | 34 | -1 | -9 | -10 | -11 | 46 | -8 | 15 | 41 | 42 | 53 |
| 201 | 97 | 50 | -1 | -8 | -9 | -11 | 46 | -7 | 16 | 40 | 42 | 53 |
| 202 | 98 | 19 | -1 | -8 | -9 | -13 | 45 | -7 | 16 | 40 | 43 | 53 |
| 203 | 98 | 40 | -2 | -8 | -9 | -13 | 45 | -7 | 15 | 38 | 41 | 52 |
| 204 | 99 | 0 | -2 | -7 | -9 | -14 | 46 | -8 | 15 | 37 | 39 | 50 |
| 205 | 99 | 20 | -2 | -6 | -9 | -15 | 45 | -7 | 14 | 36 | 38 | 49 |
| 206 | 99 | 40 | 0 | -6 | -8 | -17 | 44 | -8 | 13 | 32 | 34 | 47 |
| 207 | 100 | 1 | 0 | -6 | -8 | -17 | 45 | -8 | 12 | 31 | 33 | 46 |
| 208 | 100 | 21 | 0 | -5 | -7 | -16 | 45 | -8 | 11 | 31 | 33 | 44 |
| 209 | 100 | 41 | 0 | -5 | -7 | -17 | 47 | -8 | 11 | 32 | 32 | 45 |
| 210 | 101 | 1 | 0 | -5 | -8 | -16 | 46 | -7 | 11 | 31 | 32 | 45 |
| 211 | 101 | 22 | 0 | -5 | -7 | -15 | 45 | -7 | 11 | 34 | 36 | 46 |
| 212 | 101 | 42 | 0 | -4 | -7 | -12 | 44 | -8 | 12 | 34 | 40 | 48 |
| 213 | 102 | 2 | 0 | -4 | -7 | -16 | 44 | -8 | 13 | 39 | 38 | 51 |
| 214 | 102 | 22 | 1 | -5 | -7 | -13 | 45 | -7 | 14 | 39 | 38 | 52 |
| 215 | 102 | 43 | 1 | -4 | -6 | -14 | 45 | -8 | 14 | 38 | 40 | 51 |
| 216 | 103 | 3 | 1 | -4 | -7 | -16 | 45 | -8 | 15 | 37 | 38 | 51 |
| 217 | 103 | 23 | 2 | -5 | -6 | -16 | 45 | -8 | 15 | 34 | 36 | 49 |
| 218 | 103 | 43 | 2 | -4 | -7 | -17 | 44 | -8 | 13 | 32 | 34 | 47 |
| 219 | 104 | 4 | 2 | -3 | -6 | -18 | 44 | -7 | 12 | 32 | 32 | 46 |
| 220 | 104 | 24 | 2 | -3 | -7 | -13 | 45 | -7 | 12 | 34 | 36 | 48 |
| 221 | 104 | 44 | 3 | -2 | -5 | -14 | 46 | -7 | 12 | 35 | 37 | 48 |
| 222 | 105 | 5 | 3 | -2 | -5 | -16 | 46 | -8 | 14 | 40 | 40 | 52 |
| 223 | 105 | 25 | 3 | -2 | -5 | -16 | 46 | -8 | 14 | 40 | 40 | 52 |
| 224 | 105 | 45 | 4 | -3 | -5 | -14 | 46 | -8 | 14 | 37 | 38 | 52 |
| 225 | 106 | 5 | 3 | -3 | -5 | -16 | 45 | -7 | 14 | 36 | 36 | 51 |
| 226 | 106 | 25 | 4 | -2 | -5 | -15 | 46 | -7 | 14 | 36 | 37 | 50 |
| 227 | 106 | 46 | 4 | -1 | -5 | -16 | 46 | -7 | 14 | 37 | 39 | 49 |
| 228 | 107 | 6 | 5 | -1 | -4 | -16 | 46 | -8 | 14 | 38 | 37 | 51 |
| 229 | 107 | 26 | 5 | -2 | -5 | -15 | 46 | -8 | 15 | 37 | 38 | 50 |
| 230 | 107 | 46 | 5 | -2 | -5 | -17 | 47 | -8 | 14 | 34 | 38 | 48 |
| 231 | 108 | 6 | 6 | -2 | -4 | -14 | 47 | -8 | 13 | 37 | 40 | 48 |
| 232 | 108 | 27 | 6 | -2 | -4 | -11 | 47 | -8 | 14 | 39 | 42 | 50 |
| 233 | 108 | 47 | 6 | -1 | -4 | -15 | 48 | -8 | 14 | 39 | 42 | 50 |
| 234 | 109 | 7 | 6 | -1 | -4 | -15 | 47 | -8 | 14 | 38 | 41 | 49 |
| 235 | 109 | 27 | 6 | -1 | -4 | -17 | 47 | -7 | 14 | 35 | 40 | 48 |
| 236 | 109 | 47 | 6 | -1 | -4 | -15 | 48 | -7 | 13 | 34 | 38 | 47 |
| 237 | 110 | 7 | 7 | -1 | -4 | -16 | 48 | -7 | 13 | 35 | 38 | 46 |
| 238 | 110 | 27 | 7 | -1 | -4 | -17 | 48 | -7 | 12 | 34 | 37 | 46 |
| 239 | 110 | 47 | 7 | -1 | -5 | -17 | 48 | -6 | 11 | 33 | 36 | 45 |
| 240 | 111 | 7 | 7 | -1 | -4 | -14 | 48 | -7 | 11 | 33 | 36 | 45 |
| 241 | 111 | 27 | 8 | -1 | -4 | -17 | 48 | -7 | 11 | 34 | 36 | 45 |
| 242 | 111 | 47 | 7 | -1 | -4 | -16 | 48 | -7 | 10 | 33 | 37 | 44 |
| 243 | 112 | 6 | 8 | -1 | -4 | -16 | 48 | -6 | 12 | 35 | 39 | 45 |
| 244 | 112 | 28 | 8 | -1 | -4 | -14 | 48 | -5 | 12 | 35 | 39 | 45 |
| 245 | 112 | 48 | 8 | 0 | -4 | -16 | 48 | -7 | 12 | 34 | 38 | 46 |

| -01 SKEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-05 | | 7-06 | | 7-07 | | 7-08 | | 7-09 | | 7-10 | | 7-11 | | 7-13 | | 7-14 | | 7-15 | |
|-----------------------|----------------------|----------------------|----------------|-----------------|---------------|----------------|----------------|----------------|-----------------|---------------|----------------|------------------|----------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|---------------|----------------|
| | | | ENG.1 IGNIT | EXCITR MOUNT | TEMP DEG.C | ENG.1 IGNIT | EXCITR SKIN | ENG.1 IGNIT | EXCITR OUTBD | TEMP DEG.C | ENG.1 IGNIT | EXCITR CONTRL | ENG.1 IGNIT | EXCITR PUMP | TEMP DEG.C | ENG.1 IGNIT | EXCITR CASE | TEMP DEG.C | ENG.1 IGNIT | EXCITR CSE | TEMP DEG.C | ENG.1 IGNIT |
| 246 | 113 | 8 | 7 | 0 | 0 | -3 | -3 | -16 | 46 | -7 | -7 | 12 | 35 | 36 | 46 | 46 | | | | | | |
| 247 | 112 | 26 | 8 | 0 | 0 | -4 | -4 | -16 | 46 | -7 | -7 | 11 | 33 | 37 | 46 | 45 | | | | | | |
| 248 | 113 | 48 | 8 | 0 | 0 | -4 | -4 | -17 | 48 | -7 | -7 | 11 | 35 | 38 | 45 | 45 | | | | | | |
| 249 | 114 | 8 | 8 | 0 | 0 | -3 | -3 | -17 | 47 | -6 | -6 | 12 | 34 | 38 | 46 | 46 | | | | | | |
| 250 | 114 | 26 | 7 | 0 | 0 | -4 | -4 | -18 | 48 | -6 | -6 | 11 | 34 | 37 | 45 | 45 | | | | | | |
| 251 | 114 | 40 | 8 | 0 | 0 | -3 | -3 | -17 | 48 | -7 | -7 | 12 | 34 | 38 | 45 | 45 | | | | | | |
| 252 | 115 | 8 | 8 | 0 | 0 | -3 | -3 | -18 | 47 | -7 | -7 | 12 | 33 | 37 | 45 | 45 | | | | | | |
| 253 | 115 | 28 | 8 | 0 | 0 | -3 | -3 | -17 | 47 | -7 | -7 | 11 | 33 | 36 | 44 | 44 | | | | | | |
| 254 | 115 | 48 | 8 | 0 | 0 | -3 | -3 | -17 | 47 | -6 | -6 | 11 | 34 | 36 | 44 | 44 | | | | | | |
| 255 | 116 | 8 | 9 | 0 | 0 | -3 | -3 | -17 | 48 | -7 | -7 | 11 | 33 | 37 | 44 | 44 | | | | | | |
| 256 | 116 | 28 | 8 | 0 | 0 | -2 | -2 | -18 | 47 | -7 | -7 | 11 | 33 | 37 | 44 | 44 | | | | | | |
| 257 | 116 | 48 | 8 | 0 | 0 | -3 | -3 | -17 | 46 | -7 | -7 | 11 | 32 | 36 | 44 | 44 | | | | | | |
| 258 | 117 | 8 | 8 | 0 | 0 | -3 | -3 | -18 | 48 | -7 | -7 | 10 | 33 | 36 | 44 | 44 | | | | | | |
| 259 | 117 | 26 | 8 | 0 | 0 | -3 | -3 | -17 | 48 | -7 | -7 | 11 | 33 | 36 | 44 | 44 | | | | | | |
| 260 | 117 | 48 | 8 | 0 | 0 | -3 | -3 | -17 | 46 | -6 | -6 | 11 | 34 | 37 | 44 | 44 | | | | | | |
| 261 | 118 | 8 | 10 | 0 | 0 | -2 | -2 | -17 | 47 | -7 | -7 | 10 | 33 | 37 | 44 | 44 | | | | | | |
| 262 | 118 | 28 | 9 | 0 | 0 | -4 | -4 | -17 | 47 | -7 | -7 | 11 | 33 | 37 | 44 | 44 | | | | | | |
| 263 | 118 | 48 | 8 | 0 | 0 | -3 | -3 | -18 | 47 | -7 | -7 | 11 | 32 | 37 | 44 | 44 | | | | | | |
| 264 | 119 | 8 | 10 | 0 | 0 | -3 | -3 | -17 | 47 | -6 | -6 | 10 | 33 | 36 | 45 | 45 | | | | | | |
| 265 | 119 | 28 | 10 | 0 | 0 | -3 | -3 | -17 | 47 | -6 | -6 | 11 | 33 | 36 | 44 | 44 | | | | | | |
| 266 | 119 | 48 | 10 | 0 | 0 | -3 | -3 | -17 | 48 | -7 | -7 | 11 | 33 | 37 | 44 | 44 | | | | | | |
| 267 | 120 | 8 | 10 | 0 | 0 | -3 | -3 | -16 | 48 | -6 | -6 | 11 | 33 | 36 | 44 | 44 | | | | | | |
| 268 | 120 | 26 | 9 | 0 | 0 | -3 | -3 | -17 | 48 | -7 | -7 | 11 | 33 | 37 | 44 | 44 | | | | | | |
| 269 | 120 | 48 | 9 | 0 | 0 | -3 | -3 | -18 | 47 | -6 | -6 | 11 | 32 | 36 | 44 | 44 | | | | | | |
| 270 | 121 | 8 | 8 | 0 | 0 | -3 | -3 | -18 | 47 | -7 | -7 | 10 | 32 | 35 | 43 | 43 | | | | | | |
| 271 | 121 | 28 | 8 | 0 | 0 | -4 | -4 | -18 | 46 | -7 | -7 | 11 | 32 | 35 | 43 | 43 | | | | | | |
| 272 | 121 | 49 | 8 | 0 | 0 | -3 | -3 | -18 | 47 | -7 | -7 | 10 | 32 | 37 | 44 | 44 | | | | | | |
| 273 | 122 | 9 | 8 | 0 | 0 | -3 | -3 | -17 | 47 | -6 | -6 | 10 | 33 | 36 | 44 | 44 | | | | | | |
| 274 | 122 | 29 | 8 | 0 | 0 | -2 | -2 | -18 | 46 | -7 | -7 | 10 | 33 | 36 | 44 | 44 | | | | | | |
| 275 | 122 | 50 | 8 | 0 | 0 | -2 | -2 | -18 | 46 | -7 | -7 | 11 | 33 | 36 | 44 | 44 | | | | | | |
| 276 | 123 | 10 | 9 | 0 | 0 | -3 | -3 | -18 | 46 | -7 | -7 | 11 | 33 | 36 | 44 | 44 | | | | | | |
| 277 | 123 | 30 | 8 | 0 | 0 | -3 | -3 | -18 | 46 | -6 | -6 | 11 | 33 | 36 | 44 | 44 | | | | | | |
| 278 | 123 | 50 | 10 | 0 | 0 | -3 | -3 | -18 | 46 | -6 | -6 | 10 | 33 | 36 | 44 | 44 | | | | | | |
| 279 | 124 | 11 | 10 | 0 | 0 | -3 | -3 | -18 | 46 | -7 | -7 | 9 | 32 | 34 | 42 | 42 | | | | | | |
| 280 | 124 | 31 | 8 | 0 | 0 | -3 | -3 | -16 | 45 | -7 | -7 | 10 | 32 | 35 | 43 | 43 | | | | | | |
| 281 | 124 | 52 | 8 | 0 | 0 | -3 | -3 | -18 | 45 | -7 | -7 | 9 | 32 | 35 | 43 | 43 | | | | | | |
| 282 | 125 | 13 | 8 | 0 | 0 | -3 | -3 | -19 | 45 | -7 | -7 | 9 | 32 | 34 | 42 | 42 | | | | | | |
| 283 | 125 | 33 | 8 | 0 | 0 | -3 | -3 | -19 | 45 | -7 | -7 | 10 | 31 | 35 | 43 | 43 | | | | | | |
| 284 | 125 | 54 | 8 | 0 | 0 | -4 | -4 | -18 | 45 | -8 | -8 | 9 | 31 | 34 | 42 | 42 | | | | | | |
| 285 | 126 | 14 | 8 | 0 | 0 | -3 | -3 | -18 | 45 | -8 | -8 | 9 | 32 | 35 | 42 | 42 | | | | | | |
| 286 | 126 | 35 | 8 | 0 | 0 | -3 | -3 | -18 | 45 | -7 | -7 | 9 | 31 | 35 | 42 | 42 | | | | | | |
| 287 | 126 | 55 | 8 | 0 | 0 | -2 | -2 | -18 | 45 | -7 | -7 | 9 | 31 | 35 | 42 | 42 | | | | | | |
| 288 | 127 | 16 | 8 | 0 | 0 | -3 | -3 | -17 | 46 | -7 | -7 | 10 | 32 | 36 | 43 | 43 | | | | | | |
| 289 | 127 | 36 | 8 | 0 | 0 | -3 | -3 | -19 | 45 | -8 | -8 | 10 | 32 | 36 | 43 | 43 | | | | | | |
| 290 | 127 | 57 | 8 | 0 | 0 | -4 | -4 | -18 | 45 | -8 | -8 | 10 | 32 | 35 | 43 | 43 | | | | | | |
| 291 | 128 | 17 | 8 | 0 | 0 | -3 | -3 | -18 | 45 | -8 | -8 | 9 | 32 | 35 | 42 | 42 | | | | | | |
| 292 | 128 | 36 | 8 | 0 | 0 | -3 | -3 | -18 | 46 | -8 | -8 | 9 | 31 | 34 | 42 | 42 | | | | | | |
| 293 | 128 | 58 | 8 | 0 | 0 | -3 | -3 | -19 | 45 | -7 | -7 | 10 | 32 | 35 | 43 | 43 | | | | | | |
| 294 | 129 | 19 | 8 | 0 | 0 | -4 | -4 | -19 | 45 | -7 | -7 | 10 | 31 | 34 | 42 | 42 | | | | | | |
| 295 | 129 | 40 | 8 | 0 | 0 | -4 | -4 | -19 | 45 | -7 | -7 | 9 | 31 | 34 | 42 | 42 | | | | | | |

| -01 REP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-05 ENG-1 TEMP EXCITE #DURT TEMP DEG.C | 7-06 ENG-1 HIT EXCITE SKIN INBD DEG.C | 7-07 ENG-1 IGNIT EXCITE SKIN OUTBD DEG.C | 7-08 ENG-1 FUEL CONTROL CASE TEMP DEG.C | 7-09 ENG-1 LUBE PUMP CASE TEMP DEG.C | 7-10 ENG-1 FUEL PUMP CASE TEMP DEG.C | 7-11 ENG-1 COMPRS CSE STG.2 4.30 DEG.C | 7-13 ENG-1 COMPRS CSE STG.3 4.30 DEG.C | 7-14 ENG-1 COMPRS CSE STG.3 6.00 DEG.C | 7-15 ENG-1 COMPRS CSE STG.4 3.00 DEG.C |
|---------------------|----------------------|----------------------|---|---|--|---|--|--|--|--|--|--|
| | | | | | | | | | | | | |
| 297 | 130 | 21 | 8 | 0 | -4 | -19 | 45 | -7 | 9 | 31 | 34 | 42 |
| 298 | 130 | 41 | 8 | 0 | -4 | -10 | 44 | -7 | 9 | 31 | 33 | 42 |
| 299 | 131 | 2 | 8 | 0 | -3 | -19 | 45 | -7 | 9 | 29 | 33 | 41 |
| 300 | 131 | 22 | 8 | 0 | -4 | -19 | 45 | -7 | 9 | 30 | 33 | 40 |
| 301 | 131 | 43 | 8 | 0 | -4 | -18 | 45 | -7 | 9 | 29 | 32 | 41 |
| 302 | 132 | 3 | 8 | 0 | -3 | -20 | 45 | -7 | 8 | 29 | 33 | 40 |
| 303 | 132 | 24 | 8 | 0 | -4 | -20 | 45 | -7 | 8 | 29 | 33 | 40 |
| 304 | 132 | 44 | 8 | 0 | -4 | -19 | 45 | -7 | 8 | 30 | 33 | 40 |
| 305 | 133 | 5 | 8 | 0 | -4 | -19 | 46 | -7 | 8 | 30 | 33 | 41 |
| 306 | 133 | 25 | 8 | 0 | -4 | -19 | 45 | -7 | 9 | 30 | 34 | 41 |
| 307 | 133 | 46 | 8 | 0 | -4 | -19 | 45 | -7 | 8 | 30 | 33 | 41 |
| 308 | 134 | 6 | 8 | 0 | -4 | -19 | 45 | -7 | 8 | 29 | 34 | 41 |
| 309 | 134 | 27 | 8 | 0 | -4 | -18 | 45 | -7 | 8 | 30 | 33 | 41 |
| 310 | 134 | 47 | 8 | 0 | -4 | -19 | 45 | -6 | 8 | 30 | 33 | 41 |
| 311 | 135 | 7 | 8 | 0 | -4 | -18 | 45 | -6 | 9 | 31 | 34 | 41 |
| 312 | 135 | 27 | 10 | 1 | -2 | -18 | 46 | -5 | 10 | 32 | 36 | 43 |
| 313 | 135 | 47 | 10 | 0 | -3 | -17 | 46 | -6 | 10 | 31 | 36 | 43 |
| 314 | 136 | 7 | 9 | 0 | -3 | -18 | 46 | -6 | 9 | 31 | 35 | 42 |
| 315 | 136 | 27 | 9 | 1 | -3 | -16 | 46 | -7 | 10 | 32 | 35 | 42 |
| 316 | 136 | 47 | 8 | 0 | -4 | -17 | 46 | -6 | 10 | 32 | 36 | 43 |
| 317 | 137 | 8 | 8 | 0 | -4 | -15 | 46 | -6 | 10 | 32 | 36 | 43 |
| 318 | 137 | 28 | 8 | 0 | -4 | -16 | 46 | -6 | 11 | 32 | 37 | 43 |
| 319 | 137 | 48 | 8 | 0 | -3 | -17 | 46 | -6 | 10 | 32 | 36 | 43 |
| 320 | 138 | 8 | 8 | 0 | -3 | -15 | 46 | -6 | 11 | 32 | 36 | 43 |
| 321 | 138 | 28 | 8 | 0 | -3 | -17 | 46 | -6 | 10 | 32 | 36 | 43 |
| 322 | 138 | 48 | 8 | 0 | -3 | -16 | 46 | -6 | 10 | 32 | 36 | 43 |
| 323 | 139 | 8 | 8 | 0 | -3 | -16 | 46 | -6 | 11 | 33 | 37 | 44 |
| 324 | 139 | 28 | 8 | 0 | -3 | -17 | 46 | -6 | 11 | 32 | 36 | 43 |
| 325 | 139 | 48 | 8 | 0 | -3 | -16 | 46 | -6 | 10 | 32 | 36 | 44 |
| 326 | 140 | 8 | 8 | 0 | -3 | -17 | 46 | -6 | 10 | 32 | 36 | 44 |
| 327 | 140 | 28 | 10 | 2 | -2 | -17 | 47 | -5 | 11 | 34 | 34 | 44 |
| 328 | 140 | 48 | 10 | 4 | -2 | -15 | 47 | -6 | 12 | 36 | 36 | 44 |
| 329 | 141 | 8 | 10 | 4 | 0 | -11 | 48 | -6 | 15 | 42 | 41 | 49 |
| 330 | 141 | 27 | 10 | 5 | 0 | -9 | 46 | -6 | 17 | 46 | 45 | 53 |
| 331 | 141 | 47 | 10 | 5 | 1 | -9 | 46 | -4 | 17 | 44 | 44 | 53 |
| 332 | 142 | 7 | 11 | 3 | 3 | -9 | 46 | -4 | 17 | 40 | 41 | 53 |
| 333 | 142 | 27 | 10 | 6 | 1 | -11 | 45 | -4 | 16 | 40 | 40 | 49 |
| 334 | 142 | 47 | 10 | 6 | 2 | -12 | 45 | -5 | 16 | 37 | 34 | 46 |
| 335 | 143 | 6 | 11 | 8 | 2 | -13 | 46 | -6 | 16 | 37 | 30 | 42 |
| 336 | 143 | 26 | 9 | 7 | 3 | -14 | 46 | -8 | 15 | 32 | 30 | 41 |
| 337 | 143 | 46 | 8 | 5 | 1 | -14 | 46 | -8 | 15 | 32 | 30 | 39 |
| 338 | 144 | 6 | 8 | 5 | 1 | -16 | 46 | -8 | 14 | 29 | 29 | 36 |
| 339 | 144 | 26 | 8 | 5 | 1 | -17 | 45 | -9 | 14 | 27 | 27 | 37 |
| 340 | 144 | 45 | 8 | 5 | 1 | -17 | 46 | -10 | 13 | 29 | 26 | 36 |
| 341 | 145 | 5 | 8 | 4 | 0 | -17 | 46 | -11 | 11 | 28 | 24 | 35 |
| 342 | 145 | 25 | 8 | 4 | 0 | -18 | 46 | -13 | 10 | 28 | 24 | 35 |
| 343 | 145 | 45 | 8 | 5 | 0 | -18 | 46 | -13 | 11 | 30 | 28 | 38 |
| 344 | 146 | 5 | 8 | 4 | 0 | -18 | 45 | -14 | 10 | 29 | 28 | 36 |
| 345 | 146 | 24 | 8 | 4 | 0 | -14 | 45 | -14 | 8 | 29 | 29 | 35 |

| SWEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C | 7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C | 7-07 ENG.1 IGNIT FYCIR FYCIR SKIN OUTRD DEG.C | 7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C | 7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C | 7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C | 7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C | 7-13 ENG.1 COMPRS CSE STG.3 4.30 DEG.C | 7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C | 7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C |
|----------------|----------------------|----------------------|--|---|--|--|--|--|--|--|--|--|
| 146 | 146 | 44 | 5 | 5 | 0 | -16 | 46 | -13 | 9 | 32 | 32 | 37 |
| 147 | 147 | 4 | 7 | 5 | 0 | -18 | 45 | -14 | 11 | 33 | 32 | 41 |
| 148 | 147 | 24 | 7 | 4 | 0 | -18 | 46 | -15 | 10 | 34 | 31 | 43 |
| 149 | 147 | 44 | 6 | 5 | 0 | -18 | 45 | -16 | 11 | 38 | 33 | 46 |
| 150 | 148 | 3 | 7 | 4 | 0 | -18 | 45 | -16 | 12 | 39 | 33 | 46 |
| 151 | 148 | 23 | 5 | 4 | -1 | -17 | 45 | -16 | 13 | 38 | 33 | 47 |
| 152 | 148 | 43 | 5 | 5 | -1 | -17 | 46 | -16 | 13 | 36 | 32 | 47 |
| 153 | 149 | 3 | 5 | 5 | 0 | -16 | 46 | -14 | 13 | 35 | 33 | 46 |
| 154 | 149 | 23 | 6 | 4 | 0 | -17 | 45 | -14 | 10 | 32 | 32 | 42 |
| 155 | 149 | 42 | 5 | 5 | 0 | -17 | 45 | -14 | 10 | 31 | 31 | 41 |
| 156 | 150 | 2 | 7 | 4 | 0 | -17 | 45 | -14 | 9 | 31 | 31 | 39 |
| 157 | 150 | 22 | 6 | 5 | 0 | -18 | 46 | -14 | 7 | 30 | 30 | 39 |
| 158 | 150 | 42 | 6 | 5 | 0 | -16 | 46 | -14 | 6 | 30 | 31 | 39 |
| 159 | 151 | 2 | 7 | 5 | 0 | -16 | 46 | -14 | 6 | 31 | 31 | 39 |
| 160 | 151 | 21 | 5 | 5 | 0 | -16 | 45 | -15 | 7 | 29 | 31 | 38 |
| 161 | 151 | 41 | 7 | 4 | 0 | -16 | 45 | -14 | 7 | 30 | 32 | 39 |
| 162 | 152 | 1 | 6 | 5 | 0 | -16 | 46 | -15 | 7 | 30 | 33 | 39 |
| 163 | 152 | 21 | 6 | 5 | 0 | -17 | 45 | -14 | 7 | 31 | 32 | 39 |
| 164 | 152 | 40 | 5 | 5 | 0 | -17 | 46 | -15 | 7 | 29 | 31 | 39 |
| 165 | 152 | 40 | 6 | 6 | 0 | -17 | 45 | -15 | 6 | 29 | 30 | 38 |
| 166 | 153 | 0 | 5 | 6 | 0 | -17 | 45 | -15 | 6 | 29 | 31 | 39 |
| 167 | 153 | 20 | 7 | 5 | 0 | -17 | 46 | -15 | 6 | 29 | 31 | 39 |
| 168 | 153 | 40 | 5 | 5 | 0 | -17 | 45 | -14 | 5 | 28 | 29 | 38 |
| 169 | 154 | 59 | 4 | 4 | 0 | -19 | 44 | -15 | 5 | 26 | 25 | 36 |
| 170 | 154 | 19 | 5 | 5 | 0 | -19 | 46 | -14 | 5 | 25 | 25 | 34 |
| 171 | 154 | 39 | 5 | 5 | 0 | -18 | 45 | -15 | 5 | 28 | 26 | 34 |
| 172 | 154 | 59 | 5 | 5 | 0 | -19 | 46 | -14 | 5 | 28 | 29 | 35 |
| 173 | 155 | 1 | 5 | 4 | 0 | -18 | 45 | -15 | 5 | 29 | 29 | 37 |
| 174 | 155 | 30 | 5 | 5 | 0 | -18 | 45 | -15 | 6 | 30 | 29 | 37 |
| 175 | 155 | 50 | 4 | 4 | 0 | -17 | 44 | -14 | 6 | 30 | 31 | 37 |
| 176 | 155 | 50 | 5 | 5 | 0 | -17 | 45 | -15 | 7 | 30 | 31 | 38 |
| 177 | 156 | 18 | 5 | 5 | 0 | -17 | 45 | -15 | 6 | 31 | 32 | 39 |
| 178 | 156 | 37 | 5 | 5 | 0 | -14 | 45 | -15 | 9 | 32 | 33 | 39 |
| 179 | 156 | 47 | 5 | 5 | 0 | -14 | 45 | -15 | 9 | 32 | 33 | 41 |
| 180 | 157 | 17 | 6 | 6 | 0 | -14 | 45 | -14 | 18 | 34 | 35 | 43 |
| 181 | 157 | 36 | 7 | 6 | 0 | -14 | 45 | -14 | 11 | 35 | 36 | 43 |
| 182 | 157 | 56 | 7 | 6 | 0 | -13 | 44 | -13 | 11 | 35 | 36 | 44 |
| 183 | 158 | 16 | 7 | 5 | 1 | -13 | 44 | -13 | 11 | 36 | 36 | 44 |
| 184 | 158 | 35 | 7 | 5 | 1 | -13 | 45 | -13 | 12 | 37 | 37 | 44 |
| 185 | 158 | 55 | 5 | 5 | 1 | -13 | 45 | -13 | 12 | 36 | 37 | 44 |
| 186 | 158 | 55 | 5 | 5 | 1 | -13 | 45 | -13 | 12 | 36 | 37 | 44 |
| 187 | 159 | 15 | 6 | 6 | 1 | -14 | 44 | -13 | 12 | 35 | 32 | 44 |
| 188 | 159 | 34 | 6 | 6 | 0 | -16 | 44 | -13 | 11 | 33 | 29 | 41 |
| 189 | 159 | 54 | 6 | 5 | 0 | -17 | 43 | -13 | 11 | 30 | 29 | 39 |
| 190 | 160 | 14 | 5 | 5 | 1 | -17 | 45 | -14 | 8 | 28 | 28 | 36 |
| 191 | 160 | 33 | 5 | 5 | 0 | -19 | 45 | -14 | 8 | 27 | 27 | 35 |
| 192 | 160 | 53 | 6 | 5 | 0 | -19 | 45 | -14 | 8 | 27 | 28 | 34 |
| 193 | 160 | 53 | 6 | 6 | 0 | -19 | 45 | -14 | 5 | 26 | 25 | 34 |
| 194 | 161 | 13 | 6 | 6 | 0 | -19 | 45 | -15 | 5 | 26 | 26 | 33 |
| 195 | 161 | 32 | 6 | 6 | 0 | -19 | 44 | -15 | 4 | 27 | 26 | 33 |
| 196 | 161 | 52 | 6 | 6 | 0 | -19 | 44 | -16 | 5 | 26 | 26 | 33 |
| 197 | 162 | 52 | 6 | 5 | 0 | -19 | 45 | -15 | 4 | 26 | 26 | 33 |
| 198 | 162 | 12 | 7 | 5 | 0 | -19 | 45 | -14 | 4 | 28 | 25 | 32 |
| 199 | 162 | 31 | 7 | 5 | 0 | -19 | 45 | -14 | 5 | 25 | 25 | 32 |
| 200 | 163 | 35 | 5 | 5 | 0 | -19 | 46 | -15 | 4 | 25 | 26 | 32 |

| -01 SWEEP COUNT | 7-03 TIME SEC. | 7-05 ENG.1 IGNIT EXCITE MOUNT TEMP DEG.C | 7-06 ENG.1 IGNIT EXCITE SKIN IMRD DEG.C | 7-07 ENG.1 IGNIT EXCITE SKIN OUTRO DEG.C | 7-08 ENG.1 FUEL CONTROL CASE TEMP DEG.C | 7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C | 7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C | 7-11 ENG.1 COMPRS CSF SIG.2 4.30 DEG.C | 7-13 ENG.1 COMPRS SSE SIG.3 4.30 DEG.C | 7-14 ENG.1 COMPRS CSE SIG.3 6.00 DEG.C | 7-15 ENG.1 COMPRS CSE SIG.4 3.00 DEG.C |
|-----------------------|----------------------|--|---|--|---|--|--|--|--|--|--|
| | | | | | | | | | | | |
| 397 | 164 | 4 | 4 | 0 | -19 | 45 | -15 | 5 | 25 | 25 | 33 |
| 398 | 167 | 4 | 4 | 0 | -18 | 44 | -15 | 5 | 26 | 25 | 35 |
| 399 | 167 | 5 | 5 | 0 | -17 | 45 | -14 | 6 | 28 | 28 | 35 |
| 400 | 167 | 6 | 6 | 0 | -16 | 43 | -14 | 6 | 29 | 30 | 36 |
| 401 | 169 | 7 | 7 | 0 | -16 | 45 | -14 | 9 | 30 | 30 | 36 |
| 402 | 172 | 2 | 2 | -2 | -16 | 43 | -14 | 7 | 30 | 32 | 40 |
| 403 | 172 | 3 | 3 | -2 | -16 | 43 | -14 | 8 | 31 | 32 | 41 |
| 404 | 174 | 4 | 4 | -2 | -17 | 43 | -13 | 9 | 32 | 32 | 42 |
| 405 | 175 | 4 | 4 | -2 | -17 | 45 | -13 | 10 | 29 | 29 | 37 |
| 406 | 175 | 4 | 4 | -2 | -20 | 44 | -13 | 9 | 21 | 18 | 23 |
| 407 | 175 | 2 | 2 | -3 | -20 | 44 | -14 | 4 | 12 | 14 | 23 |
| 408 | 177 | 0 | 0 | -3 | -25 | 44 | -14 | 3 | 15 | 18 | 23 |
| 409 | 178 | -0 | -0 | -3 | -25 | 42 | -12 | -0 | 10 | 10 | 20 |
| 410 | 178 | 5 | 5 | -4 | -27 | 43 | -11 | 3 | 7 | 10 | 18 |
| 411 | 178 | 4 | 4 | -5 | -25 | 42 | -11 | 7 | 10 | 10 | 16 |
| 412 | 179 | -1 | -1 | -5 | -23 | 43 | -10 | 0 | 6 | 10 | 14 |
| 413 | 179 | 3 | 3 | -4 | -18 | 43 | -10 | 0 | 10 | 10 | 16 |
| 414 | 179 | 3 | 3 | -5 | -25 | 41 | -11 | -2 | 6 | 12 | 18 |
| 415 | 180 | 3 | 3 | -6 | -19 | 41 | -11 | -3 | 3 | 10 | 14 |
| 416 | 180 | 2 | 2 | -7 | -24 | 42 | -11 | -5 | 3 | 10 | 14 |
| 417 | 180 | 2 | 2 | -7 | -25 | 42 | -10 | -5 | 3 | 9 | 13 |
| 418 | 181 | 1 | 1 | -8 | -25 | 47 | -11 | -5 | 4 | 9 | 13 |
| 419 | 181 | 1 | 1 | -8 | -24 | 44 | -11 | -5 | 5 | 9 | 13 |
| 420 | 181 | -3 | -3 | -8 | -24 | 44 | -11 | -5 | 5 | 10 | 15 |
| 421 | 182 | 4 | 4 | -8 | -24 | 43 | -11 | -4 | 7 | 10 | 15 |
| 422 | 182 | 1 | 1 | -9 | -24 | 43 | -11 | -4 | 7 | 10 | 15 |
| 423 | 182 | 1 | 1 | -9 | -23 | 43 | -10 | -5 | 7 | 11 | 15 |
| 424 | 183 | 1 | 1 | -8 | -23 | 43 | -10 | -5 | 7 | 11 | 15 |
| 425 | 183 | 0 | 0 | -9 | -22 | 43 | -10 | -5 | 7 | 12 | 16 |
| 426 | 183 | 0 | 0 | -9 | -23 | 43 | -11 | -4 | 7 | 12 | 16 |
| 427 | 184 | -0 | -0 | -9 | -26 | 42 | -11 | -5 | 3 | 10 | 16 |
| 428 | 184 | 0 | 0 | -9 | -27 | 43 | -8 | -8 | 3 | 8 | 13 |
| 429 | 184 | 0 | 0 | -10 | -26 | 43 | -8 | -10 | -1 | -1 | 4 |
| 430 | 185 | -1 | -1 | -8 | -23 | 44 | -6 | -10 | -4 | -4 | 0 |
| 431 | 185 | -1 | -1 | -8 | -23 | 44 | -6 | -11 | -11 | -11 | -5 |
| 432 | 185 | -1 | -1 | -7 | -19 | 45 | -7 | -14 | -13 | -13 | -9 |
| 433 | 186 | -2 | -2 | -7 | -14 | 45 | -7 | -16 | -15 | -15 | -10 |
| 434 | 186 | -2 | -2 | -8 | -12 | 45 | -7 | -16 | -15 | -15 | -11 |
| 435 | 186 | 0 | 0 | -7 | -11 | 45 | -7 | -16 | -15 | -15 | -11 |
| 436 | 186 | -2 | -2 | -6 | -10 | 44 | -7 | -17 | -15 | -15 | -10 |
| 437 | 187 | -2 | -2 | -6 | -9 | 44 | -7 | -17 | -15 | -15 | -11 |
| 438 | 187 | -2 | -2 | -6 | -8 | 44 | -7 | -17 | -15 | -15 | -11 |
| 439 | 187 | -2 | -2 | -7 | -8 | 43 | -7 | -16 | -15 | -15 | -10 |
| 440 | 189 | -2 | -2 | -7 | -7 | 42 | -7 | -16 | -15 | -15 | -10 |
| 441 | 191 | -2 | -2 | -7 | -8 | 38 | -9 | -17 | -16 | -16 | -11 |
| 442 | 191 | -2 | -2 | -7 | -8 | 35 | -9 | -17 | -16 | -16 | -11 |
| 443 | 191 | -2 | -2 | -7 | -7 | 34 | -9 | -16 | -15 | -15 | -11 |
| 444 | 192 | -2 | -2 | -7 | -8 | 33 | -9 | -16 | -15 | -15 | -10 |
| 445 | 194 | -2 | -2 | -7 | -8 | 33 | -9 | -16 | -15 | -15 | -10 |

| -01 SHEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-05 ENG.1 IGNIT EXCITER MOUNT TEMP DEG.C | 7-06 ENG.1 IGNIT EXCITER SKIN INBD DEG.C | 7-07 ENG.1 IGNIT EXCITER SKIN OUTBD DEG.C | 7-08 ENG.1 FUEL CONTROL CASE TEMP DEG.C | 7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C | 7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C | 7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C | 7-13 ENG.1 COMPRS CSE STG.3 4.30 DEG.C | 7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C | 7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C |
|-----------------------|----------------------|----------------------|---|--|---|---|--|--|--|--|--|--|
| 446 | 198 | 23 | -9 | -11 | -12 | -10 | 19 | -12 | -10 | -17 | -16 | -16 |
| 447 | 198 | 43 | -9 | -11 | -12 | -11 | 19 | -12 | -10 | -17 | -16 | -13 |
| 448 | 199 | 2 | -9 | -11 | -12 | -11 | 18 | -12 | -10 | -17 | -16 | -14 |
| 449 | 207 | 11 | -10 | -11 | -12 | -11 | 9 | -11 | -17 | -16 | -16 | -11 |
| 450 | 207 | 30 | -10 | -11 | -12 | -11 | 9 | -11 | -17 | -16 | -16 | -11 |
| 451 | 207 | 50 | -10 | -11 | -13 | -11 | 9 | -10 | -11 | -16 | -16 | -18 |
| 452 | 208 | 11 | -10 | -11 | -12 | -10 | 8 | -10 | -16 | -16 | -16 | -12 |
| 453 | 212 | 30 | -11 | -12 | -13 | -10 | 5 | -10 | -16 | -16 | -16 | -10 |
| 454 | 212 | 50 | -11 | -12 | -13 | -11 | 5 | -11 | -16 | -16 | -16 | -16 |
| 455 | 213 | 10 | -11 | -12 | -13 | -11 | 4 | -11 | -16 | -15 | -16 | -16 |
| 456 | 213 | 30 | -11 | -12 | -13 | -11 | 4 | -11 | -16 | -15 | -16 | -11 |
| 457 | 217 | 49 | -12 | -13 | -14 | -12 | 1 | -10 | -17 | -16 | -16 | -11 |
| 458 | 218 | 8 | -12 | -13 | -14 | -12 | 0 | -12 | -16 | -16 | -16 | -11 |
| 459 | 218 | 30 | -12 | -13 | -14 | -11 | 0 | -12 | -16 | -16 | -16 | -11 |
| 460 | 222 | 47 | -11 | -13 | -13 | -11 | 0 | -10 | -16 | -15 | -16 | -9 |
| 461 | 223 | 6 | -11 | -12 | -13 | -11 | 8 | -0 | -16 | -14 | -16 | -9 |
| 462 | 223 | 26 | -11 | -12 | -13 | -11 | 0 | -0 | -16 | -14 | -16 | -10 |
| 463 | 227 | 4 | -13 | -13 | -14 | -12 | -3 | -11 | -16 | -16 | -16 | -18 |
| 464 | 227 | 24 | -13 | -13 | -14 | -13 | -3 | -11 | -16 | -16 | -16 | -11 |
| 465 | 227 | 43 | -13 | -13 | -14 | -12 | -3 | -11 | -17 | -16 | -17 | -11 |
| 466 | 231 | 22 | -13 | -14 | -15 | -13 | -4 | -11 | -17 | -16 | -16 | -11 |
| 467 | 231 | 41 | -13 | -14 | -15 | -13 | -5 | -10 | -18 | -16 | -16 | -12 |
| 468 | 232 | 8 | -14 | -14 | -14 | -13 | -6 | -11 | -18 | -16 | -17 | -12 |
| 469 | 235 | 39 | -14 | -15 | -16 | -15 | -4 | -12 | -19 | -18 | -18 | -13 |
| 470 | 235 | 58 | -15 | -16 | -16 | -14 | -8 | -12 | -19 | -17 | -18 | -13 |
| 471 | 236 | 17 | -14 | -15 | -16 | -14 | -7 | -11 | -19 | -18 | -18 | -13 |
| 472 | 239 | 55 | -15 | -16 | -16 | -15 | -9 | -13 | -20 | -19 | -18 | -16 |
| 473 | 240 | 14 | -15 | -16 | -16 | -14 | -10 | -13 | -20 | -19 | -18 | -16 |
| 474 | 240 | 34 | -14 | -16 | -16 | -16 | -10 | -12 | -20 | -19 | -19 | -14 |
| 475 | 244 | 11 | -16 | -16 | -17 | -16 | -11 | -13 | -20 | -19 | -19 | -16 |
| 476 | 244 | 30 | -16 | -17 | -17 | -15 | -12 | -14 | -20 | -19 | -19 | -16 |
| 477 | 244 | 49 | -14 | -17 | -17 | -16 | -12 | -14 | -20 | -19 | -19 | -16 |
| 478 | 248 | 26 | -18 | -19 | -19 | -17 | -14 | -16 | -23 | -21 | -22 | -17 |
| 479 | 248 | 46 | -18 | -19 | -19 | -18 | -14 | -16 | -23 | -21 | -22 | -17 |
| 480 | 249 | 5 | -19 | -19 | -20 | -18 | -16 | -16 | -23 | -22 | -22 | -17 |
| 481 | 249 | 5 | -9 | -9 | -20 | -18 | -16 | -16 | -23 | -22 | -22 | -9 |

HR-530 S/N 63-10354
 ARCTIC TEST
 9 JANUARY 1971
 RUN NO. 2

-40 DEG C / -40 DEG F

| -01 SHEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-16 | | 7-17 | | 7-18 | | 7-21 | | 7-23 | | 7-24 | | 7-25 | | 7-26 | | 7-27 | | 7-28 | |
|-----------------------|----------------------|----------------------|----------------|----------------|------------------------|--------------|------------------------|------------------------|------------------------|----------------|--------------|--------------|------------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|
| | | | ENG.1 COMPR | ENG.1 COMPR | ENG.1 OIL COOLER | AIR INLET | STG.4 6.00 DEG.C | STG.4 6.00 DEG.C | STG.5 6.00 DEG.C | ENG.1 COMPR | ENG.1 GAS | ENG.1 GAS | SN TRB SN TRB | ENG.1 COMPR | ENG.1 GAS | ENG.1 COMPR | ENG.1 GAS | ENG.1 COMPR | ENG.1 GAS | ENG.1 COMPR | ENG.1 GAS | ENG.1 COMPR |
| 1 | 0 | 10 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 2 | 0 | 30 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 3 | 0 | 50 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 4 | 1 | 10 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 5 | 1 | 30 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 6 | 1 | 49 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 7 | 2 | 9 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 8 | 2 | 29 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 9 | 2 | 50 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 10 | 3 | 10 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 11 | 3 | 30 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 12 | 3 | 50 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 13 | 4 | 10 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 14 | 4 | 30 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 15 | 4 | 50 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 16 | 5 | 10 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 17 | 5 | 30 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 18 | 5 | 50 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 19 | 6 | 10 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 20 | 6 | 30 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 21 | 6 | 50 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 22 | 7 | 10 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 23 | 7 | 30 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 24 | 7 | 51 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 25 | 8 | 11 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 26 | 8 | 31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 27 | 8 | 51 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 28 | 9 | 11 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 29 | 9 | 31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 30 | 9 | 51 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 31 | 10 | 11 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 32 | 12 | 42 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 33 | 17 | 31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 34 | 17 | 51 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 35 | 17 | 52 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 36 | 21 | 40 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 37 | 22 | 0 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 38 | 22 | 21 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 39 | 22 | 41 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 40 | 23 | 11 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 41 | 23 | 31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 42 | 24 | 12 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 43 | 24 | 29 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 44 | 24 | 53 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 45 | 25 | 11 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |

| 7-01 FUEL COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-16 ENG.1 COMPRS CSE 4.30 DEG.C | 7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C | 7-18 ENG.1 OIL COOLER AIR INLET DEG.C | 7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C | 7-23 ENG.1 GAS SN TRB CSE 8.00 DEG.C | 7-24 ENG.1 GAS SN TRB CSE 12.00 DEG.C | 7-25 ENG.1 POWER TURB CASE 4.00 DEG.C | 7-26 ENG.1 POWER TURB CASE 8.00 DEG.C | 7-27 ENG.1 POWER TURB CASE 12.00 DEG.C | 7-28 ENG.1 HRNESS TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|--|---|--|--|---|---|---|--|--|
| 46 | 25 | 34 | -31 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 47 | 25 | 54 | -31 | -32 | -31 | -32 | -33 | -32 | -32 | -32 | -32 | -32 |
| 48 | 26 | 15 | -32 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 49 | 26 | 35 | -32 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 50 | 26 | 55 | -32 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 51 | 27 | 16 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 52 | 27 | 57 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 53 | 30 | 16 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 54 | 30 | 38 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 55 | 34 | 39 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 56 | 35 | 0 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 57 | 35 | 20 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 58 | 35 | 41 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 59 | 39 | 9 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 60 | 39 | 30 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 61 | 39 | 50 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 62 | 40 | 11 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 63 | 43 | 39 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 64 | 44 | 0 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 65 | 44 | 20 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 66 | 44 | 41 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 67 | 48 | 9 | -31 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 68 | 52 | 39 | -31 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 69 | 53 | 0 | -31 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 70 | 53 | 21 | -32 | -30 | -30 | -30 | -32 | -32 | -32 | -32 | -32 | -32 |
| 71 | 57 | 42 | -32 | -31 | -30 | -31 | -32 | -32 | -32 | -32 | -32 | -32 |
| 72 | 54 | 3 | -32 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 73 | 54 | 23 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 74 | 54 | 44 | -32 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 75 | 55 | 5 | -32 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 76 | 55 | 25 | -32 | -30 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 77 | 55 | 47 | -32 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 78 | 56 | 0 | -31 | -30 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 79 | 56 | 28 | -31 | -31 | -30 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 80 | 56 | 49 | -31 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 81 | 57 | 18 | -31 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 82 | 57 | 31 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 83 | 57 | 51 | -31 | -31 | -30 | -31 | -32 | -32 | -32 | -32 | -32 | -32 |
| 84 | 58 | 12 | -32 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 85 | 58 | 32 | -32 | -31 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 |
| 86 | 58 | 53 | -31 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 87 | 59 | 14 | -32 | -31 | -30 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 88 | 59 | 34 | -32 | -29 | -30 | -31 | -32 | -32 | -32 | -32 | -32 | -32 |
| 89 | 59 | 55 | -30 | -31 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 |
| 90 | 60 | 16 | -32 | -32 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 |
| 91 | 60 | 36 | -32 | -32 | -30 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 92 | 60 | 60 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 93 | 61 | 17 | -31 | -30 | -31 | -30 | -32 | -32 | -32 | -32 | -32 | -32 |
| 94 | 61 | 41 | -31 | -32 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |
| 95 | 61 | 58 | -31 | -33 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -32 |

| 7-02 | 7-03 | 7-16 | 7-17 | 7-18 | 7-21 | 7-23 | 7-24 | 7-25 | 7-26 | 7-27 | 7-28 |
|------|------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| TIME | TIME | ENG.1 | EN.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 |
| MIN. | SEC. | COMPRS | COMPRS | COOLER | COMPRS | GAS | GAS | POWER | POWER | POWER | HRMS |
| | | USE | USE | AIR | CSF | GN TR8 | GN TR8 | TURB | TURB | TURB | TEMP |
| | | STG.4 | STG.4 | INLET | STG.5 | DSE | DSE | CASE | CASE | CASE | DEG.C |
| | | 4.30 | 6.00 | DEG.C | 6.00 | 6.00 | 12.00 | 4.00 | 6.00 | 12.00 | |
| | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | |
| 96 | 62 | 19 | -32 | -30 | -29 | -32 | -32 | -32 | -32 | -32 | -32 |
| 97 | 40 | 40 | -32 | -31 | -32 | -33 | -32 | -32 | -32 | -33 | -32 |
| 98 | 63 | 0 | -30 | -31 | -30 | -32 | -32 | -32 | -32 | -32 | -32 |
| 99 | 63 | 21 | -30 | -31 | -30 | -33 | -33 | -32 | -32 | -32 | -32 |
| 100 | 63 | 41 | -30 | -31 | -31 | -33 | -32 | -32 | -32 | -32 | -32 |
| 101 | 64 | 2 | -30 | -31 | -31 | -32 | -32 | -32 | -32 | -32 | -32 |
| 102 | 54 | 22 | -30 | -31 | -30 | -32 | -32 | -32 | -32 | -32 | -32 |
| 103 | 64 | 43 | -30 | -29 | -31 | -32 | -32 | -32 | -32 | -32 | -32 |
| 104 | 65 | 1 | -30 | -29 | -30 | -32 | -32 | -32 | -32 | -32 | -32 |
| 105 | 65 | 24 | -30 | -31 | -31 | -32 | -32 | -32 | -32 | -32 | -32 |
| 106 | 65 | 45 | -29 | -30 | -31 | -32 | -31 | -32 | -32 | -32 | -32 |
| 107 | 66 | 5 | -29 | -30 | -29 | -32 | -32 | -32 | -32 | -32 | -32 |
| 108 | 66 | 26 | -29 | -30 | -29 | -30 | -30 | -31 | -31 | -31 | -32 |
| 109 | 66 | 46 | -29 | -31 | -29 | -31 | -31 | -31 | -31 | -31 | -32 |
| 110 | 67 | 7 | -28 | -29 | -27 | -31 | -29 | -30 | -30 | -30 | -32 |
| 111 | 67 | 28 | -28 | -29 | -27 | -31 | -30 | -30 | -31 | -31 | -32 |
| 112 | 67 | 48 | -24 | -29 | -26 | -31 | -28 | -30 | -30 | -30 | -31 |
| 113 | 68 | 9 | -25 | -30 | -27 | -31 | -29 | -30 | -30 | -30 | -31 |
| 114 | 68 | 30 | -26 | -29 | -27 | -31 | -30 | -30 | -30 | -30 | -31 |
| 115 | 68 | 51 | -26 | -29 | -27 | -30 | -29 | -29 | -29 | -29 | -32 |
| 116 | 69 | 12 | -24 | -27 | -26 | -30 | -29 | -29 | -30 | -30 | -31 |
| 117 | 69 | 32 | -24 | -29 | -26 | -30 | -29 | -29 | -30 | -30 | -31 |
| 118 | 69 | 53 | -23 | -29 | -26 | -30 | -30 | -30 | -30 | -30 | -31 |
| 119 | 70 | 14 | -24 | -28 | -26 | -30 | -29 | -29 | -30 | -30 | -31 |
| 120 | 70 | 34 | -24 | -28 | -26 | -31 | -29 | -29 | -30 | -30 | -31 |
| 121 | 70 | 55 | -23 | -28 | -25 | -30 | -29 | -29 | -30 | -30 | -31 |
| 122 | 71 | 15 | -22 | -28 | -24 | -29 | -29 | -29 | -30 | -30 | -31 |
| 123 | 71 | 36 | -22 | -28 | -24 | -29 | -29 | -29 | -30 | -30 | -31 |
| 124 | 71 | 56 | -21 | -28 | -26 | -30 | -29 | -29 | -30 | -30 | -31 |
| 125 | 72 | 17 | -24 | -27 | -26 | -30 | -29 | -29 | -30 | -30 | -31 |
| 126 | 72 | 37 | -24 | -29 | -25 | -29 | -29 | -29 | -30 | -30 | -31 |
| 127 | 72 | 58 | -23 | -29 | -24 | -30 | -28 | -29 | -29 | -29 | -30 |
| 128 | 73 | 18 | -24 | -27 | -23 | -29 | -29 | -29 | -30 | -30 | -31 |
| 129 | 73 | 39 | -23 | -28 | -25 | -29 | -29 | -29 | -30 | -30 | -31 |
| 130 | 73 | 59 | -23 | -29 | -26 | -29 | -29 | -29 | -30 | -30 | -31 |
| 131 | 74 | 20 | -21 | -28 | -24 | -27 | -26 | -27 | -28 | -28 | -29 |
| 132 | 74 | 40 | -16 | -26 | -24 | -27 | -26 | -27 | -28 | -28 | -29 |
| 133 | 75 | 1 | -9 | -26 | -24 | -27 | -26 | -27 | -28 | -28 | -29 |
| 134 | 75 | 21 | -9 | -25 | -24 | -27 | -26 | -27 | -28 | -28 | -29 |
| 135 | 75 | 42 | -9 | -27 | -23 | -27 | -26 | -27 | -28 | -28 | -29 |
| 136 | 76 | 2 | -11 | -28 | -22 | -28 | -27 | -28 | -29 | -29 | -30 |
| 137 | 76 | 22 | -8 | -21 | -20 | -27 | -26 | -27 | -28 | -28 | -29 |
| 138 | 76 | 43 | -6 | -25 | -25 | -27 | -26 | -27 | -28 | -28 | -29 |
| 139 | 77 | 3 | 1 | -19 | -20 | -26 | -25 | -26 | -27 | -27 | -28 |
| 140 | 77 | 24 | 8 | -21 | -20 | -26 | -25 | -26 | -27 | -27 | -28 |
| 141 | 77 | 44 | 12 | -22 | -20 | -26 | -25 | -26 | -27 | -27 | -28 |
| 142 | 78 | 4 | 9 | -23 | -20 | -26 | -25 | -26 | -27 | -27 | -28 |
| 143 | 78 | 24 | 9 | -23 | -20 | -26 | -25 | -26 | -27 | -27 | -28 |
| 144 | 78 | 45 | 11 | -23 | -20 | -26 | -25 | -26 | -27 | -27 | -28 |
| 145 | 79 | 5 | 14 | -27 | -20 | -26 | -25 | -26 | -27 | -27 | -28 |

| 7-01 SLEEP COUNT | 7-02 TIME "IN" | 7-03 TIME SEC. | 7-16 ENG.1 COMPR CSE STG.4 4.30 DEG.C | 7-17 ENG.1 COMPR CSE STG.4 6.00 DEG.C | 7-18 ENG.1 OIL COOLER AIR INLET DEG.C | 7-21 ENG.1 COMPR CSE STG.5 6.00 DEG.C | 7-23 ENG.1 GAS GN TRB CSE 12.00 DEG.C | 7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C | 7-25 ENG.1 POWER TURB CASE 4.00 DEG.C | 7-26 ENG.1 POWER TURB CASE 8.00 DEG.C | 7-27 ENG.1 POWER TURB CASE 12.00 DEG.C | 7-28 ENG.1 T5 HRNESS TEMP DEG.C |
|------------------------|----------------------|----------------------|---|---|---|---|---|---|---|---|--|--|
| 146 | 79 | 25 | 11 | 14 | -22 | 36 | 196 | 196 | 253 | 227 | 203 | 25 |
| 147 | 79 | 45 | 12 | 14 | -23 | 36 | 197 | 198 | 256 | 231 | 205 | 30 |
| 148 | 80 | 5 | 14 | 16 | -23 | 41 | 213 | 218 | 267 | 236 | 214 | 33 |
| 149 | 80 | 26 | 14 | 13 | -22 | 40 | 195 | 193 | 265 | 239 | 215 | 33 |
| 150 | 80 | 47 | 11 | 14 | -24 | 38 | 192 | 188 | 258 | 240 | 210 | 38 |
| 151 | 81 | 7 | 11 | 13 | -25 | 36 | 196 | 193 | 254 | 241 | 211 | 41 |
| 152 | 81 | 27 | 19 | 11 | -26 | 33 | 193 | 192 | 254 | 241 | 210 | 41 |
| 153 | 81 | 48 | 1 | 12 | -27 | 34 | 197 | 192 | 255 | 241 | 211 | 44 |
| 154 | 82 | 8 | 10 | 13 | -27 | 36 | 198 | 195 | 259 | 243 | 213 | 46 |
| 155 | 82 | 28 | 14 | 16 | -23 | 41 | 204 | 198 | 265 | 246 | 214 | 48 |
| 156 | 82 | 49 | 13 | 15 | -25 | 43 | 203 | 196 | 261 | 247 | 215 | 51 |
| 157 | 83 | 9 | 14 | 16 | -23 | 44 | 201 | 199 | 261 | 247 | 215 | 53 |
| 158 | 83 | 29 | 14 | 16 | -24 | 43 | 199 | 195 | 259 | 247 | 214 | 53 |
| 159 | 83 | 49 | 14 | 16 | -24 | 43 | 200 | 194 | 258 | 247 | 214 | 58 |
| 160 | 84 | 10 | 12 | 15 | -24 | 42 | 199 | 194 | 258 | 248 | 213 | 56 |
| 161 | 84 | 30 | 11 | 15 | -23 | 41 | 198 | 194 | 257 | 247 | 212 | 57 |
| 162 | 84 | 50 | 11 | 15 | -23 | 40 | 198 | 193 | 256 | 246 | 211 | 58 |
| 163 | 85 | 10 | 10 | 15 | -24 | 39 | 198 | 192 | 255 | 246 | 211 | 58 |
| 164 | 85 | 31 | 12 | 14 | -23 | 37 | 197 | 193 | 254 | 244 | 210 | 59 |
| 165 | 85 | 51 | 9 | 13 | -27 | 37 | 195 | 192 | 254 | 244 | 210 | 59 |
| 166 | 86 | 11 | 11 | 13 | -24 | 35 | 197 | 193 | 252 | 244 | 209 | 59 |
| 167 | 86 | 31 | 11 | 13 | -23 | 35 | 197 | 193 | 253 | 244 | 210 | 60 |
| 168 | 86 | 52 | 10 | 12 | -25 | 35 | 198 | 194 | 253 | 243 | 209 | 60 |
| 169 | 87 | 12 | 11 | 14 | -28 | 37 | 198 | 194 | 254 | 244 | 209 | 60 |
| 170 | 87 | 32 | 10 | 12 | -28 | 36 | 195 | 191 | 254 | 243 | 209 | 61 |
| 171 | 87 | 53 | 9 | 13 | -26 | 37 | 195 | 191 | 254 | 243 | 210 | 62 |
| 172 | 88 | 13 | 7 | 11 | -28 | 34 | 195 | 189 | 253 | 244 | 209 | 62 |
| 173 | 88 | 33 | 7 | 10 | -31 | 34 | 193 | 180 | 253 | 243 | 207 | 61 |
| 174 | 88 | 53 | 7 | 11 | -27 | 33 | 195 | 189 | 253 | 243 | 207 | 61 |
| 175 | 89 | 14 | 12 | 14 | -22 | 36 | 205 | 206 | 255 | 242 | 209 | 62 |
| 176 | 89 | 34 | 11 | 15 | -29 | 41 | 208 | 202 | 261 | 245 | 214 | 63 |
| 177 | 89 | 54 | 12 | 15 | -22 | 43 | 208 | 202 | 264 | 248 | 217 | 63 |
| 178 | 90 | 14 | 12 | 14 | -28 | 43 | 203 | 204 | 264 | 249 | 218 | 64 |
| 179 | 90 | 34 | 19 | 11 | -29 | 40 | 199 | 197 | 251 | 251 | 217 | 63 |
| 180 | 90 | 53 | 6 | 11 | -27 | 38 | 199 | 200 | 262 | 251 | 215 | 63 |
| 181 | 91 | 15 | 6 | 11 | -31 | 35 | 195 | 193 | 262 | 250 | 213 | 62 |
| 182 | 91 | 35 | 3 | 6 | -29 | 32 | 194 | 194 | 258 | 250 | 213 | 62 |
| 183 | 91 | 55 | 3 | 5 | -19 | 31 | 193 | 193 | 259 | 246 | 209 | 62 |
| 184 | 92 | 15 | 4 | 6 | -6 | 29 | 193 | 187 | 257 | 247 | 209 | 61 |
| 185 | 92 | 36 | 6 | 7 | -29 | 30 | 194 | 186 | 256 | 247 | 210 | 60 |
| 186 | 92 | 56 | 1 | 7 | -24 | 30 | 193 | 195 | 254 | 245 | 210 | 61 |
| 187 | 93 | 16 | 4 | 6 | -26 | 30 | 193 | 191 | 254 | 245 | 209 | 61 |
| 188 | 93 | 36 | 5 | 7 | -13 | 29 | 193 | 195 | 253 | 244 | 209 | 61 |
| 189 | 93 | 56 | 8 | 8 | -26 | 30 | 192 | 193 | 252 | 245 | 209 | 61 |
| 190 | 94 | 17 | 7 | 6 | -25 | 31 | 193 | 194 | 243 | 243 | 209 | 61 |
| 191 | 94 | 37 | 6 | 6 | -24 | 30 | 193 | 193 | 253 | 243 | 207 | 62 |
| 192 | 94 | 57 | 4 | 4 | -25 | 29 | 206 | 205 | 253 | 244 | 212 | 60 |
| 193 | 95 | 17 | 20 | 17 | -16 | 38 | 257 | 256 | 291 | 257 | 231 | 59 |
| 194 | 95 | 38 | 31 | 29 | -20 | 56 | 273 | 273 | 329 | 277 | 239 | 60 |
| 195 | 95 | 58 | 7.6 | 35 | -18 | 67 | 282 | 278 | 359 | 295 | 275 | 62 |

| -01 SHEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-16 ENG.1 COMPR. CSE STG.4 4.30 DEG.C | 7-17 ENG.1 COMPR. CSE STG.4 6.00 DEG.C | 7-18 ENG.1 COOLER AIR INLET DEG.C | 7-21 ENG.1 COMPR. CSE STG.5 6.00 DEG.C | 7-23 ENG.1 GN TRB CSE 8.00 DEG.C | 7-24 ENG.1 GN TRB CSE 12.00 DEG.C | 7-25 ENG.1 POWER TURB CASE 4.00 DEG.C | 7-26 ENG.1 POWER TURB CASE 8.00 DEG.C | 7-27 ENG.1 POWER TURB CASE 12.00 DEG.C | 7-28 ENG.1 TS HRNESS TEMP DEG. |
|-----------------------|----------------------|----------------------|--|--|--|--|---|--|---|---|--|---|
| 196 | 96 | 18 | 40 | 38 | -15 | 76 | 284 | 278 | 380 | 311 | 290 | 65 |
| 197 | 96 | 38 | 41 | 42 | -21 | 82 | 280 | 278 | 391 | 323 | 303 | 67 |
| 198 | 96 | 59 | 42 | 41 | -16 | 83 | 277 | 272 | 396 | 333 | 306 | 68 |
| 199 | 97 | 19 | 44 | 43 | -10 | 83 | 281 | 274 | 399 | 338 | 308 | 71 |
| 200 | 97 | 39 | 46 | 43 | -13 | 86 | 280 | 274 | 403 | 342 | 313 | 73 |
| 201 | 97 | 59 | 46 | 44 | -13 | 87 | 278 | 274 | 403 | 345 | 315 | 76 |
| 202 | 98 | 19 | 47 | 45 | -15 | 87 | 277 | 274 | 404 | 347 | 316 | 77 |
| 203 | 98 | 40 | 46 | 43 | -18 | 87 | 272 | 271 | 402 | 347 | 317 | 80 |
| 204 | 99 | 0 | 46 | 43 | -18 | 87 | 269 | 269 | 398 | 345 | 315 | 81 |
| 205 | 99 | 20 | 43 | 42 | -18 | 84 | 269 | 271 | 396 | 344 | 316 | 83 |
| 206 | 99 | 40 | 43 | 42 | -22 | 84 | 266 | 266 | 392 | 342 | 316 | 82 |
| 207 | 100 | 1 | 39 | 36 | -23 | 82 | 259 | 263 | 389 | 339 | 313 | 82 |
| 208 | 100 | 21 | 38 | 37 | -21 | 80 | 259 | 262 | 387 | 336 | 312 | 82 |
| 209 | 100 | 41 | 34 | 36 | -20 | 79 | 259 | 259 | 384 | 333 | 310 | 83 |
| 210 | 101 | 1 | 38 | 36 | -14 | 79 | 261 | 262 | 383 | 332 | 309 | 84 |
| 211 | 101 | 22 | 39 | 36 | -18 | 79 | 270 | 266 | 385 | 333 | 308 | 84 |
| 212 | 101 | 42 | 43 | 40 | -18 | 80 | 279 | 270 | 393 | 335 | 309 | 83 |
| 213 | 102 | 2 | 43 | 42 | -19 | 83 | 275 | 275 | 401 | 338 | 314 | 83 |
| 214 | 102 | 22 | 44 | 42 | -18 | 83 | 274 | 274 | 400 | 339 | 316 | 86 |
| 215 | 102 | 43 | 45 | 42 | -21 | 83 | 273 | 273 | 408 | 341 | 316 | 85 |
| 216 | 103 | 3 | 43 | 42 | -12 | 84 | 269 | 270 | 399 | 342 | 316 | 87 |
| 217 | 103 | 23 | 43 | 41 | -17 | 83 | 265 | 269 | 398 | 341 | 314 | 85 |
| 218 | 103 | 43 | 41 | 39 | -23 | 82 | 263 | 266 | 394 | 341 | 314 | 87 |
| 219 | 104 | 4 | 39 | 39 | -18 | 80 | 262 | 264 | 392 | 339 | 312 | 87 |
| 220 | 104 | 24 | 38 | 38 | -16 | 79 | 258 | 264 | 391 | 336 | 311 | 87 |
| 221 | 104 | 44 | 41 | 38 | -19 | 80 | 271 | 274 | 393 | 338 | 310 | 88 |
| 222 | 105 | 5 | 41 | 41 | -21 | 82 | 280 | 274 | 402 | 340 | 314 | 87 |
| 223 | 105 | 25 | 45 | 41 | -21 | 84 | 278 | 271 | 404 | 345 | 318 | 87 |
| 224 | 105 | 45 | 44 | 42 | -22 | 84 | 275 | 269 | 406 | 346 | 318 | 85 |
| 225 | 106 | 5 | 41 | 48 | -21 | 83 | 272 | 269 | 405 | 346 | 316 | 87 |
| 226 | 106 | 25 | 41 | 40 | -22 | 82 | 273 | 273 | 406 | 345 | 322 | 87 |
| 227 | 106 | 46 | 42 | 42 | -22 | 82 | 276 | 272 | 408 | 345 | 322 | 87 |
| 228 | 107 | 6 | 42 | 41 | -19 | 82 | 275 | 273 | 410 | 347 | 321 | 88 |
| 229 | 107 | 26 | 41 | 40 | -22 | 81 | 276 | 274 | 410 | 347 | 325 | 88 |
| 230 | 107 | 46 | 39 | 41 | -23 | 81 | 277 | 272 | 410 | 347 | 325 | 88 |
| 231 | 108 | 6 | 41 | 47 | -23 | 80 | 282 | 277 | 419 | 350 | 324 | 89 |
| 232 | 108 | 27 | 41 | 42 | -14 | 80 | 288 | 281 | 422 | 352 | 325 | 89 |
| 233 | 108 | 47 | 43 | 44 | -21 | 82 | 289 | 281 | 426 | 355 | 327 | 88 |
| 234 | 109 | 7 | 42 | 45 | -23 | 83 | 285 | 279 | 428 | 356 | 328 | 90 |
| 235 | 109 | 27 | 41 | 44 | -20 | 82 | 284 | 281 | 428 | 356 | 325 | 89 |
| 236 | 109 | 47 | 39 | 43 | -23 | 80 | 276 | 271 | 421 | 356 | 323 | 92 |
| 237 | 110 | 7 | 37 | 43 | -24 | 79 | 279 | 274 | 421 | 355 | 323 | 91 |
| 238 | 110 | 27 | 37 | 41 | -24 | 78 | 278 | 273 | 421 | 354 | 324 | 91 |
| 239 | 110 | 47 | 34 | 41 | -24 | 78 | 276 | 271 | 421 | 354 | 324 | 91 |
| 240 | 111 | 7 | 36 | 41 | -24 | 77 | 274 | 269 | 421 | 353 | 323 | 92 |
| 241 | 111 | 27 | 37 | 40 | -23 | 76 | 276 | 270 | 422 | 353 | 322 | 92 |
| 242 | 111 | 47 | 36 | 40 | -24 | 76 | 277 | 273 | 421 | 353 | 322 | 94 |
| 243 | 112 | 8 | 38 | 41 | -22 | 77 | 280 | 271 | 422 | 354 | 323 | 92 |
| 244 | 112 | 28 | 40 | 42 | -22 | 78 | 281 | 274 | 422 | 354 | 324 | 94 |
| 245 | 112 | 48 | 41 | 41 | -22 | 79 | 281 | 271 | 422 | 354 | 322 | 93 |

| 01 SWEEP COUNT | 1-02 TIME MIN | 7-03 TIME SEC. | 7-16 FMG.1 COMPRS CSE SIG.N 4.30 DEF.C | 7-17 ENG.1 COMPRS CSE SIG.4 6.00 DEF.C | 7-18 ENG.1 OIL COOLER AIR INLET DEF.C | 7-21 ENG.1 COMPRS CSE SIG.5 6.00 DEF.C | 7-23 ENG.1 GAS SN TRG CSE 9EG.C | 7-24 ENG.1 GAS SN TRG CSE 12.00 DEF.C | 7-25 ENG.1 POWER TURB CASE 8.00 DEF.C | 7-26 ENG.1 POWER TURB CASE 8.00 DEF.C | 7-27 ENG.1 POWER TURB CASE 12.00 DEF.C | 7-29 ENG.1 T5 HRNESS YEMP DEG.C |
|----------------------|---------------------|----------------------|--|--|---|--|--|---|---|---|--|--|
| 246 | 113 | 0 | 39 | 41 | -23 | 79 | 279 | 274 | 423 | 353 | 325 | 93 |
| 247 | 113 | 28 | 37 | 42 | -24 | 79 | 279 | 274 | 423 | 352 | 323 | 94 |
| 248 | 113 | 40 | 37 | 42 | -23 | 80 | 261 | 273 | 426 | 354 | 323 | 93 |
| 249 | 114 | 0 | 37 | 42 | -24 | 78 | 281 | 276 | 427 | 355 | 324 | 94 |
| 250 | 114 | 28 | 35 | 41 | -23 | 78 | 280 | 272 | 426 | 355 | 324 | 93 |
| 251 | 114 | 48 | 37 | 42 | -23 | 79 | 280 | 272 | 426 | 355 | 324 | 94 |
| 252 | 115 | 0 | 35 | 41 | -24 | 79 | 277 | 271 | 425 | 355 | 323 | 93 |
| 253 | 115 | 28 | 34 | 41 | -23 | 79 | 270 | 278 | 425 | 358 | 322 | 93 |
| 254 | 115 | 48 | 34 | 41 | -24 | 79 | 276 | 274 | 425 | 358 | 322 | 95 |
| 255 | 116 | 0 | 34 | 41 | -24 | 76 | 278 | 272 | 425 | 354 | 323 | 94 |
| 256 | 116 | 28 | 34 | 41 | -24 | 78 | 277 | 271 | 423 | 355 | 322 | 93 |
| 257 | 116 | 48 | 34 | 41 | -24 | 78 | 276 | 269 | 423 | 354 | 322 | 93 |
| 258 | 117 | 0 | 34 | 40 | -24 | 78 | 278 | 272 | 423 | 353 | 322 | 93 |
| 259 | 117 | 28 | 34 | 40 | -23 | 77 | 277 | 269 | 421 | 352 | 322 | 92 |
| 260 | 117 | 48 | 34 | 41 | -23 | 76 | 277 | 271 | 423 | 354 | 322 | 93 |
| 261 | 118 | 0 | 34 | 42 | -23 | 78 | 277 | 271 | 423 | 354 | 322 | 94 |
| 262 | 118 | 28 | 34 | 42 | -23 | 78 | 276 | 271 | 423 | 354 | 322 | 94 |
| 263 | 118 | 48 | 34 | 41 | -24 | 79 | 276 | 268 | 423 | 353 | 321 | 94 |
| 264 | 119 | 0 | 34 | 41 | -23 | 79 | 276 | 271 | 421 | 352 | 321 | 94 |
| 265 | 119 | 28 | 34 | 41 | -23 | 79 | 275 | 272 | 421 | 353 | 322 | 93 |
| 266 | 119 | 48 | 34 | 40 | -21 | 78 | 276 | 275 | 421 | 352 | 323 | 94 |
| 267 | 120 | 0 | 34 | 39 | -23 | 78 | 278 | 274 | 421 | 354 | 322 | 93 |
| 268 | 120 | 28 | 34 | 41 | -23 | 78 | 278 | 276 | 423 | 352 | 322 | 94 |
| 269 | 120 | 48 | 34 | 40 | -24 | 78 | 274 | 269 | 420 | 354 | 323 | 93 |
| 270 | 121 | 0 | 34 | 39 | -24 | 77 | 273 | 268 | 417 | 353 | 322 | 93 |
| 271 | 121 | 28 | 34 | 39 | -24 | 77 | 275 | 272 | 417 | 350 | 323 | 92 |
| 272 | 121 | 49 | 35 | 38 | -22 | 76 | 275 | 271 | 416 | 358 | 322 | 93 |
| 273 | 122 | 9 | 35 | 39 | -23 | 77 | 276 | 273 | 417 | 351 | 322 | 95 |
| 274 | 122 | 29 | 34 | 39 | -24 | 77 | 276 | 271 | 418 | 350 | 321 | 93 |
| 275 | 122 | 58 | 34 | 40 | -24 | 77 | 274 | 270 | 418 | 351 | 321 | 94 |
| 276 | 123 | 0 | 34 | 40 | -24 | 77 | 276 | 271 | 419 | 352 | 320 | 93 |
| 277 | 123 | 30 | 34 | 40 | -24 | 77 | 275 | 272 | 418 | 369 | 322 | 94 |
| 278 | 123 | 50 | 34 | 39 | -24 | 77 | 276 | 271 | 419 | 349 | 323 | 94 |
| 279 | 124 | 11 | 34 | 39 | -23 | 77 | 271 | 267 | 416 | 349 | 321 | 94 |
| 280 | 124 | 31 | 34 | 39 | -22 | 76 | 270 | 266 | 407 | 366 | 321 | 93 |
| 281 | 124 | 52 | 36 | 38 | -24 | 76 | 274 | 272 | 409 | 367 | 319 | 93 |
| 282 | 125 | 13 | 34 | 39 | -26 | 77 | 272 | 268 | 413 | 367 | 320 | 93 |
| 283 | 125 | 33 | 34 | 39 | -24 | 76 | 272 | 269 | 414 | 367 | 319 | 93 |
| 284 | 125 | 54 | 33 | 38 | -25 | 76 | 270 | 264 | 418 | 366 | 316 | 93 |
| 285 | 126 | 14 | 34 | 39 | -25 | 77 | 272 | 267 | 412 | 366 | 317 | 94 |
| 286 | 126 | 35 | 34 | 39 | -24 | 76 | 272 | 266 | 410 | 366 | 316 | 94 |
| 287 | 126 | 55 | 34 | 39 | -25 | 76 | 271 | 267 | 408 | 365 | 317 | 94 |
| 288 | 127 | 16 | 34 | 38 | -24 | 75 | 274 | 270 | 409 | 366 | 318 | 92 |
| 289 | 127 | 36 | 34 | 38 | -24 | 75 | 274 | 272 | 413 | 366 | 318 | 92 |
| 290 | 127 | 57 | 34 | 35 | -25 | 76 | 274 | 269 | 414 | 366 | 317 | 93 |
| 291 | 128 | 17 | 34 | 39 | -24 | 76 | 273 | 268 | 414 | 367 | 317 | 93 |
| 292 | 128 | 38 | 34 | 38 | -25 | 76 | 271 | 268 | 413 | 366 | 317 | 92 |
| 293 | 128 | 58 | 34 | 38 | -25 | 75 | 274 | 270 | 413 | 366 | 318 | 92 |
| 294 | 129 | 19 | 35 | 38 | -25 | 75 | 273 | 271 | 414 | 367 | 317 | 90 |
| 295 | 129 | 40 | 35 | 37 | -26 | 75 | 272 | 271 | 414 | 367 | 317 | 92 |

| -01 SWEEP COUNT | 7-02 TIME +TN. | 7-03 TIME SEC. | 7-36 ENG.1 COMPR CSE ST.3.4 4.30 DEG.C | 7-17 ENG.1 COMPR CSE ST.3.4 5.00 DEG.C | 7-18 ENG.1 OIL COOLER AIR INLET DEG.C | 7-21 ENG.1 COMPR CSE ST.3.5 6.00 DEG.C | 7-23 ENG.1 GAS IRB GN CSE 8.00 DEG.C | 7-24 ENG.1 GAS IRB GN CSE 12.00 DEG.C | 7-25 ENG.1 POWER TURB CASE 8.00 DEG.C | 7-26 ENG.1 POWER TURB CASE 8.00 DEG.C | 7-27 ENG.1 POWER TURB CASE 12.00 DEG.C | 7-28 ENG.1 T5 HRNESS TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|--|---|--|---|--|---|---|--|--|
| 296 | 130 | 0 | 34 | 37 | -24 | 74 | 273 | 270 | 413 | 346 | 316 | 91 |
| 297 | 130 | 21 | 33 | 36 | -26 | 74 | 273 | 270 | 414 | 348 | 316 | 89 |
| 298 | 130 | 41 | 33 | 38 | -24 | 74 | 273 | 269 | 412 | 346 | 318 | 91 |
| 299 | 131 | 2 | 33 | 37 | -26 | 74 | 268 | 266 | 408 | 345 | 317 | 91 |
| 300 | 131 | 22 | 32 | 36 | -25 | 74 | 268 | 265 | 407 | 344 | 315 | 91 |
| 301 | 131 | 43 | 32 | 36 | -25 | 73 | 267 | 264 | 407 | 343 | 313 | 89 |
| 302 | 132 | 3 | 31 | 37 | -26 | 73 | 267 | 264 | 405 | 342 | 312 | 89 |
| 303 | 132 | 24 | 31 | 36 | -26 | 72 | 269 | 266 | 407 | 342 | 311 | 89 |
| 304 | 132 | 44 | 32 | 36 | -26 | 72 | 272 | 269 | 408 | 342 | 313 | 89 |
| 305 | 133 | 5 | 33 | 37 | -24 | 73 | 273 | 269 | 410 | 344 | 315 | 90 |
| 306 | 133 | 25 | 33 | 38 | -24 | 73 | 269 | 266 | 410 | 344 | 315 | 89 |
| 307 | 133 | 46 | 32 | 38 | -24 | 73 | 267 | 267 | 409 | 343 | 313 | 88 |
| 308 | 134 | 6 | 32 | 37 | -25 | 73 | 269 | 264 | 407 | 344 | 313 | 89 |
| 309 | 134 | 27 | 33 | 37 | -25 | 73 | 268 | 264 | 404 | 342 | 313 | 89 |
| 310 | 134 | 47 | 32 | 37 | -24 | 72 | 266 | 261 | 403 | 342 | 311 | 89 |
| 311 | 135 | 7 | 33 | 37 | -24 | 72 | 273 | 268 | 405 | 342 | 310 | 89 |
| 312 | 135 | 27 | 34 | 39 | -24 | 75 | 276 | 269 | 411 | 344 | 315 | 89 |
| 313 | 135 | 47 | 34 | 39 | -24 | 75 | 274 | 269 | 414 | 345 | 315 | 88 |
| 314 | 136 | 7 | 33 | 39 | -23 | 75 | 274 | 269 | 414 | 347 | 315 | 89 |
| 315 | 136 | 27 | 33 | 39 | -23 | 75 | 274 | 270 | 413 | 347 | 315 | 89 |
| 316 | 136 | 47 | 34 | 39 | -24 | 76 | 275 | 271 | 413 | 347 | 316 | 90 |
| 317 | 137 | 8 | 34 | 39 | -23 | 75 | 275 | 270 | 413 | 347 | 315 | 90 |
| 318 | 137 | 28 | 34 | 40 | -23 | 75 | 276 | 269 | 415 | 347 | 316 | 90 |
| 319 | 137 | 48 | 35 | 40 | -24 | 77 | 274 | 269 | 416 | 347 | 316 | 90 |
| 320 | 138 | 8 | 35 | 39 | -24 | 76 | 274 | 269 | 415 | 346 | 316 | 90 |
| 321 | 138 | 28 | 34 | 40 | -21 | 76 | 274 | 270 | 414 | 347 | 316 | 90 |
| 322 | 138 | 48 | 34 | 40 | -22 | 75 | 274 | 268 | 413 | 348 | 316 | 90 |
| 323 | 139 | 8 | 34 | 40 | -22 | 75 | 276 | 269 | 412 | 347 | 317 | 92 |
| 324 | 139 | 28 | 34 | 39 | -25 | 76 | 274 | 269 | 415 | 346 | 316 | 91 |
| 325 | 139 | 48 | 34 | 39 | -23 | 77 | 276 | 268 | 414 | 348 | 317 | 91 |
| 326 | 140 | 8 | 34 | 40 | -24 | 76 | 275 | 270 | 415 | 347 | 316 | 92 |
| 327 | 140 | 28 | 34 | 40 | -23 | 74 | 273 | 275 | 410 | 342 | 325 | 88 |
| 328 | 140 | 48 | 35 | 40 | -19 | 70 | 277 | 275 | 410 | 334 | 330 | 85 |
| 329 | 141 | 8 | 34 | 39 | -14 | 68 | 277 | 280 | 415 | 326 | 334 | 82 |
| 330 | 141 | 27 | 34 | 39 | -12 | 72 | 286 | 290 | 425 | 323 | 336 | 80 |
| 331 | 141 | 47 | 34 | 39 | -14 | 73 | 276 | 283 | 427 | 318 | 335 | 80 |
| 332 | 142 | 7 | 34 | 39 | -14 | 73 | 267 | 271 | 421 | 315 | 333 | 75 |
| 333 | 142 | 27 | 33 | 38 | -16 | 71 | 260 | 267 | 412 | 307 | 329 | 72 |
| 334 | 142 | 47 | 33 | 38 | -15 | 67 | 244 | 252 | 396 | 298 | 319 | 68 |
| 335 | 143 | 6 | 34 | 39 | -18 | 64 | 237 | 243 | 376 | 290 | 310 | 67 |
| 336 | 143 | 26 | 33 | 38 | -20 | 61 | 233 | 239 | 361 | 282 | 304 | 64 |
| 337 | 143 | 46 | 32 | 37 | -23 | 57 | 232 | 239 | 352 | 274 | 297 | 63 |
| 338 | 144 | 6 | 31 | 36 | -23 | 54 | 230 | 236 | 346 | 270 | 294 | 61 |
| 339 | 144 | 26 | 30 | 35 | -23 | 54 | 230 | 236 | 342 | 268 | 289 | 60 |
| 340 | 144 | 45 | 29 | 34 | -22 | 53 | 229 | 234 | 337 | 264 | 287 | 59 |
| 341 | 145 | 5 | 31 | 36 | -23 | 52 | 228 | 233 | 336 | 264 | 284 | 57 |
| 342 | 145 | 25 | 31 | 36 | -23 | 54 | 243 | 243 | 337 | 261 | 284 | 56 |
| 343 | 145 | 45 | 31 | 36 | -23 | 56 | 243 | 248 | 334 | 262 | 287 | 53 |
| 344 | 146 | 5 | 34 | 39 | -22 | 58 | 241 | 246 | 361 | 264 | 289 | 52 |
| 345 | 146 | 24 | 34 | 39 | -23 | 58 | 241 | 246 | 363 | 268 | 288 | 50 |

| -01 SHEET COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C | 7-17 ENG.1 COMPRS CSE STG.4 P.00 DEG.C | 7-18 ENG.1 OIL COOLER AIR INLEY DEG.C | 7-21 ENG.1 COMPRS CSE ST.5 6.00 DEG.C | 7-23 ENG.1 GAS TRB CSE 8.00 DEG.C | 7-24 ENG.1 GAS TRB GN TRB CSE 12.00 DEG.C | 7-25 ENG.1 POWER TURB CASE 4.00 DEG.C | 7-26 ENG.1 POWER TURB CASE 8.00 DEG.C | 7-27 ENG.1 POWER TURB CASE 12.00 DEG.C | 7-28 ENG.1 HRNESS TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|--|---|---|---|--|---|---|--|--|
| 346 | 146 | 44 | 39 | 22 | -22 | 60 | 253 | 257 | 367 | 267 | 292 | 49 |
| 347 | 147 | 4 | 39 | 22 | -23 | 58 | 261 | 267 | 383 | 274 | 301 | 49 |
| 348 | 147 | 24 | 31 | 19 | -23 | 58 | 265 | 281 | 395 | 280 | 308 | 48 |
| 349 | 147 | 44 | 42 | 16 | -23 | 55 | 274 | 280 | 409 | 286 | 316 | 48 |
| 350 | 148 | 3 | 44 | 17 | -23 | 57 | 276 | 281 | 420 | 295 | 325 | 48 |
| 351 | 148 | 23 | 43 | 17 | -23 | 58 | 276 | 281 | 427 | 300 | 330 | 50 |
| 352 | 148 | 43 | 42 | 17 | -21 | 57 | 288 | 273 | 429 | 302 | 331 | 50 |
| 353 | 149 | 3 | 42 | 20 | -20 | 63 | 287 | 262 | 413 | 300 | 326 | 50 |
| 354 | 149 | 23 | 38 | 20 | -22 | 62 | 293 | 287 | 404 | 293 | 320 | 49 |
| 355 | 149 | 42 | 34 | 21 | -22 | 61 | 291 | 287 | 399 | 287 | 315 | 50 |
| 356 | 150 | 2 | 32 | 21 | -21 | 62 | 288 | 287 | 395 | 284 | 311 | 48 |
| 357 | 150 | 22 | 31 | 23 | -22 | 60 | 291 | 287 | 394 | 281 | 309 | 44 |
| 358 | 150 | 42 | 32 | 22 | -22 | 61 | 288 | 286 | 393 | 281 | 307 | 44 |
| 359 | 151 | 2 | 32 | 22 | -22 | 61 | 291 | 287 | 393 | 287 | 306 | 48 |
| 360 | 151 | 21 | 32 | 23 | -21 | 60 | 291 | 287 | 392 | 280 | 304 | 46 |
| 361 | 151 | 41 | 31 | 24 | -20 | 60 | 291 | 288 | 393 | 287 | 305 | 47 |
| 362 | 152 | 1 | 33 | 24 | -21 | 61 | 292 | 288 | 391 | 285 | 305 | 47 |
| 363 | 152 | 21 | 33 | 25 | -21 | 62 | 291 | 286 | 391 | 277 | 306 | 47 |
| 364 | 152 | 40 | 31 | 24 | -22 | 60 | 291 | 287 | 390 | 285 | 305 | 47 |
| 365 | 153 | 0 | 29 | 21 | -22 | 59 | 298 | 286 | 398 | 285 | 305 | 45 |
| 366 | 153 | 20 | 29 | 23 | -22 | 61 | 290 | 286 | 398 | 286 | 305 | 45 |
| 367 | 153 | 40 | 29 | 22 | -22 | 58 | 292 | 288 | 399 | 288 | 309 | 44 |
| 368 | 153 | 59 | 28 | 17 | -24 | 59 | 286 | 289 | 379 | 286 | 294 | 43 |
| 369 | 154 | 19 | 29 | 16 | -23 | 57 | 299 | 285 | 374 | 289 | 291 | 43 |
| 370 | 154 | 39 | 32 | 18 | -23 | 58 | 297 | 285 | 373 | 288 | 292 | 43 |
| 371 | 154 | 59 | 32 | 21 | -22 | 57 | 296 | 282 | 375 | 288 | 295 | 43 |
| 372 | 155 | 18 | 31 | 21 | -22 | 58 | 297 | 282 | 376 | 288 | 295 | 43 |
| 373 | 155 | 38 | 33 | 20 | -22 | 60 | 297 | 283 | 378 | 289 | 295 | 44 |
| 374 | 155 | 58 | 33 | 21 | -22 | 61 | 298 | 283 | 381 | 289 | 296 | 44 |
| 375 | 156 | 18 | 34 | 22 | -21 | 61 | 298 | 286 | 384 | 288 | 300 | 44 |
| 376 | 156 | 37 | 36 | 24 | -21 | 62 | 298 | 286 | 386 | 288 | 300 | 44 |
| 377 | 156 | 57 | 36 | 24 | -19 | 63 | 292 | 287 | 386 | 288 | 302 | 45 |
| 378 | 156 | 57 | 38 | 25 | -18 | 64 | 293 | 289 | 388 | 284 | 304 | 45 |
| 379 | 157 | 17 | 40 | 27 | -17 | 65 | 295 | 282 | 387 | 284 | 304 | 48 |
| 380 | 157 | 36 | 38 | 29 | -18 | 63 | 297 | 283 | 398 | 286 | 306 | 47 |
| 381 | 157 | 56 | 41 | 24 | -17 | 67 | 298 | 283 | 394 | 287 | 307 | 48 |
| 382 | 158 | 16 | 42 | 27 | -16 | 68 | 298 | 284 | 396 | 289 | 309 | 49 |
| 383 | 158 | 35 | 41 | 29 | -16 | 68 | 298 | 284 | 396 | 289 | 309 | 49 |
| 384 | 159 | 55 | 38 | 29 | -17 | 67 | 295 | 284 | 387 | 287 | 307 | 48 |
| 385 | 159 | 15 | 36 | 25 | -20 | 64 | 293 | 283 | 393 | 286 | 303 | 48 |
| 386 | 159 | 34 | 32 | 21 | -22 | 63 | 292 | 287 | 386 | 286 | 303 | 46 |
| 387 | 159 | 54 | 32 | 19 | -23 | 59 | 299 | 285 | 388 | 284 | 304 | 46 |
| 388 | 160 | 14 | 31 | 19 | -23 | 59 | 298 | 284 | 388 | 282 | 302 | 45 |
| 389 | 160 | 33 | 31 | 19 | -23 | 59 | 298 | 284 | 388 | 282 | 302 | 45 |
| 390 | 160 | 53 | 31 | 17 | -23 | 59 | 299 | 286 | 394 | 289 | 307 | 45 |
| 391 | 161 | 13 | 30 | 16 | -25 | 58 | 297 | 286 | 392 | 286 | 306 | 43 |
| 392 | 161 | 32 | 30 | 16 | -23 | 58 | 299 | 284 | 392 | 284 | 306 | 42 |
| 393 | 161 | 52 | 31 | 16 | -23 | 58 | 299 | 284 | 391 | 284 | 306 | 42 |
| 394 | 162 | 12 | 31 | 16 | -23 | 57 | 298 | 285 | 391 | 284 | 306 | 43 |
| 395 | 162 | 31 | 31 | 17 | -24 | 57 | 298 | 284 | 390 | 282 | 306 | 41 |
| 396 | 163 | 35 | 30 | 16 | -23 | 58 | 298 | 284 | 390 | 282 | 306 | 39 |

| 311 COUNT | 7-04 TIME | 7-07 TIME | 7-15 COUNT | 7-17 COUNT | 7-18 COUNT | 7-21 COUNT | 7-23 COUNT | 7-24 COUNT | 7-25 COUNT | 7-26 COUNT | 7-27 COUNT | 7-28 COUNT |
|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 396 | 163 | 55 | 32 | 17 | -24 | 59 | 238 | 247 | 369 | 261 | 289 | 40 |
| 397 | 164 | 14 | 30 | 17 | -24 | 58 | 238 | 245 | 368 | 261 | 289 | 41 |
| 398 | 167 | 3 | 32 | 18 | -23 | 61 | 243 | 250 | 373 | 264 | 292 | 41 |
| 399 | 167 | 23 | 34 | 18 | -21 | 59 | 243 | 249 | 374 | 265 | 292 | 43 |
| 400 | 167 | 42 | 34 | 19 | -21 | 60 | 246 | 250 | 375 | 266 | 292 | 42 |
| 401 | 169 | 37 | 34 | 21 | -20 | 60 | 240 | 255 | 361 | 265 | 291 | 43 |
| 402 | 172 | 11 | 34 | 32 | -12 | 69 | 255 | 256 | 353 | 294 | 278 | 59 |
| 403 | 172 | 31 | 35 | 32 | -16 | 71 | 258 | 252 | 355 | 297 | 279 | 60 |
| 404 | 172 | 50 | 36 | 32 | -27 | 74 | 261 | 255 | 365 | 305 | 292 | 63 |
| 405 | 174 | 45 | 40 | 22 | -23 | 67 | 236 | 243 | 364 | 276 | 296 | 54 |
| 406 | 175 | 4 | 35 | 16 | -22 | 61 | 215 | 219 | 336 | 271 | 286 | 54 |
| 407 | 175 | 24 | 26 | 13 | -34 | 50 | 205 | 209 | 311 | 266 | 274 | 55 |
| 408 | 177 | 19 | 16 | 16 | -21 | 50 | 217 | 219 | 315 | 263 | 268 | 55 |
| 409 | 178 | 9 | 14 | 16 | -22 | 54 | 206 | 208 | 310 | 271 | 249 | 59 |
| 410 | 178 | 29 | 10 | 12 | -1 | 45 | 201 | 205 | 298 | 269 | 240 | 68 |
| 411 | 178 | 48 | 7 | 11 | -24 | 41 | 200 | 199 | 286 | 260 | 239 | 60 |
| 412 | 178 | 8 | 7 | 12 | -15 | 38 | 205 | 198 | 281 | 262 | 230 | 61 |
| 413 | 179 | 27 | 10 | 13 | -13 | 36 | 203 | 199 | 281 | 260 | 228 | 61 |
| 414 | 179 | 47 | 9 | 14 | -32 | 39 | 203 | 177 | 281 | 259 | 225 | 61 |
| 415 | 180 | 7 | 9 | 14 | -16 | 41 | 204 | 193 | 279 | 258 | 223 | 61 |
| 416 | 180 | 26 | 7 | 13 | -28 | 41 | 201 | 191 | 276 | 256 | 218 | 62 |
| 417 | 180 | 46 | 6 | 10 | -31 | 40 | 196 | 187 | 273 | 253 | 215 | 62 |
| 418 | 181 | 5 | 6 | 10 | -32 | 37 | 193 | 167 | 269 | 250 | 214 | 62 |
| 419 | 181 | 25 | 6 | 9 | -26 | 37 | 197 | 197 | 266 | 248 | 213 | 62 |
| 420 | 181 | 44 | 7 | 11 | -29 | 37 | 199 | 193 | 266 | 248 | 213 | 62 |
| 421 | 182 | 4 | 7 | 11 | -20 | 39 | 199 | 182 | 265 | 247 | 214 | 61 |
| 422 | 182 | 24 | 9 | 11 | -26 | 38 | 201 | 194 | 265 | 247 | 215 | 61 |
| 423 | 182 | 43 | 7 | 11 | -30 | 39 | 199 | 192 | 264 | 247 | 214 | 61 |
| 424 | 183 | 3 | 7 | 12 | -24 | 38 | 199 | 192 | 264 | 246 | 214 | 61 |
| 425 | 183 | 22 | 7 | 11 | -23 | 35 | 199 | 182 | 264 | 246 | 214 | 60 |
| 426 | 183 | 42 | 7 | 12 | -30 | 39 | 198 | 192 | 263 | 245 | 214 | 60 |
| 427 | 184 | 1 | 7 | 11 | -32 | 38 | 198 | 185 | 261 | 244 | 212 | 60 |
| 428 | 184 | 21 | 7 | 11 | -31 | 29 | 160 | 154 | 246 | 237 | 203 | 60 |
| 429 | 184 | 41 | 0 | 0 | -32 | 19 | 152 | 145 | 235 | 230 | 194 | 58 |
| 430 | 185 | 1 | -1 | -3 | -29 | 12 | 156 | 145 | 226 | 224 | 195 | 56 |
| 431 | 185 | 21 | -3 | -6 | -27 | 5 | 158 | 143 | 215 | 213 | 187 | 55 |
| 432 | 185 | 41 | -10 | -8 | -17 | 0 | 156 | 142 | 204 | 205 | 178 | 53 |
| 433 | 186 | 1 | -10 | -9 | -10 | -1 | 157 | 140 | 195 | 197 | 177 | 52 |
| 434 | 186 | 20 | -10 | -9 | -16 | -3 | 156 | 138 | 183 | 191 | 167 | 51 |
| 435 | 186 | 40 | -9 | -9 | -19 | -4 | 154 | 135 | 183 | 185 | 164 | 50 |
| 436 | 186 | 59 | -10 | -9 | -20 | -4 | 153 | 135 | 178 | 180 | 161 | 51 |
| 437 | 187 | 19 | -11 | -9 | -23 | -4 | 151 | 134 | 173 | 176 | 159 | 51 |
| 438 | 187 | 38 | -11 | -10 | -22 | -4 | 149 | 132 | 169 | 172 | 157 | 51 |
| 439 | 187 | 54 | -11 | -10 | -24 | -5 | 147 | 131 | 164 | 158 | 155 | 50 |
| 440 | 187 | 45 | -11 | -12 | -19 | -7 | 137 | 124 | 144 | 144 | 145 | 48 |
| 441 | 191 | 19 | -11 | -12 | -23 | -7 | 129 | 119 | 133 | 133 | 138 | 48 |
| 442 | 191 | 38 | -11 | -12 | -27 | -8 | 128 | 118 | 125 | 129 | 137 | 48 |
| 443 | 191 | 54 | -11 | -13 | -23 | -6 | 126 | 116 | 127 | 127 | 135 | 48 |
| 444 | 192 | 17 | -11 | -13 | -21 | -4 | 124 | 116 | 120 | 124 | 134 | 48 |
| 445 | 194 | 4 | -12 | -13 | -25 | -9 | 116 | 111 | 105 | 109 | 128 | 42 |

| -01 SWEEP COUNT | 7-02 TIME MIN. | 7-04 TIME SEF. | 7-15 ENG.1 COMPR CSE STS.4 4.30 CFS.1C | 7-17 ENG.1 COMPR CSE STS.4 6.00 DE5.1C | 7-18 ENG.1 OIL COOLER AIR INLET DEG.1C | 7-21 ENG.1 COMPR CSE STS.5 6.00 DE5.1C | 7-23 ENG.1 GAS GN IRR CSE 8.00 DEG.1C | 7-24 ENG.1 GAS GN IRR CSE 12.00 DEG.1C | 7-25 ENG.1 POWER TURB CASE 4.00 DEG.1C | 7-26 ENG.1 POWER TURB CASE 4.00 DEG.1C | 7-27 ENG.1 POWER TURB CASE 12.00 DEG.1C | 7-28 ENG.1 WRNESS TEMP DEG.1C |
|-----------------------|----------------------|----------------------|--|--|--|--|---|--|--|--|---|---|
| 445 | 194 | 23 | -15 | -16 | -31 | -13 | 98 | 99 | 74 | 78 | 113 | 20 |
| 447 | 198 | 43 | -16 | -16 | -32 | -13 | 97 | 98 | 72 | 76 | 111 | 18 |
| 448 | 199 | 2 | -15 | -16 | -33 | -14 | 96 | 97 | 70 | 73 | 111 | 17 |
| 449 | 207 | 11 | -14 | -16 | -23 | -12 | 73 | 81 | 37 | 40 | 93 | 9 |
| 450 | 207 | 30 | -14 | -16 | -24 | -13 | 72 | 83 | 37 | 40 | 92 | 9 |
| 451 | 207 | 50 | -14 | -16 | -23 | -13 | 71 | 83 | 36 | 38 | 92 | 8 |
| 452 | 208 | 11 | -14 | -16 | -22 | -12 | 70 | 82 | 34 | 37 | 91 | 8 |
| 453 | 212 | 30 | -14 | -16 | -25 | -12 | 59 | 76 | 23 | 25 | 82 | 4 |
| 454 | 212 | 50 | -14 | -16 | -25 | -12 | 59 | 76 | 22 | 25 | 82 | 3 |
| 455 | 213 | 10 | -14 | -15 | -24 | -13 | 58 | 76 | 22 | 24 | 81 | 3 |
| 456 | 213 | 30 | -13 | -16 | -24 | -12 | 57 | 75 | 20 | 23 | 81 | 3 |
| 457 | 217 | 49 | -15 | -16 | -24 | -13 | 48 | 69 | 12 | 14 | 74 | 0 |
| 458 | 218 | 8 | -14 | -16 | -25 | -13 | 48 | 69 | 12 | 14 | 73 | 0 |
| 459 | 218 | 30 | -14 | -16 | -25 | -13 | 47 | 69 | 12 | 14 | 74 | 0 |
| 460 | 222 | 47 | -13 | -16 | -23 | -12 | 41 | 65 | 6 | 7 | 68 | -2 |
| 461 | 223 | 6 | -12 | -16 | -22 | -11 | 40 | 65 | 6 | 7 | 67 | -2 |
| 462 | 223 | 26 | -13 | -16 | -22 | -12 | 39 | 64 | 5 | 7 | 67 | -3 |
| 463 | 227 | 4 | -15 | -16 | -31 | -13 | 33 | 61 | 1 | 1 | 62 | -6 |
| 464 | 227 | 24 | -11 | -16 | -31 | -13 | 33 | 60 | 8 | 2 | 62 | -6 |
| 465 | 227 | 43 | -14 | -16 | -31 | -13 | 32 | 60 | 0 | 1 | 62 | -6 |
| 466 | 231 | 22 | -14 | -16 | -32 | -14 | 28 | 56 | -1 | -1 | 57 | -8 |
| 467 | 231 | 41 | -16 | -17 | -31 | -14 | 27 | 55 | -2 | -1 | 57 | -9 |
| 468 | 232 | 8 | -14 | -16 | -32 | -14 | 27 | 55 | -2 | -1 | 56 | -9 |
| 469 | 235 | 39 | -16 | -16 | -32 | -15 | 22 | 51 | -5 | -4 | 52 | -11 |
| 470 | 235 | 58 | -16 | -18 | -32 | -14 | 22 | 51 | -6 | -5 | 51 | -11 |
| 471 | 236 | 17 | -16 | -18 | -30 | -15 | 21 | 50 | -6 | -5 | 50 | -11 |
| 472 | 239 | 55 | -16 | -18 | -32 | -16 | 21 | 50 | -6 | -5 | 50 | -11 |
| 473 | 240 | 14 | -16 | -19 | -31 | -15 | 18 | 47 | -8 | -8 | 48 | -13 |
| 474 | 248 | 34 | -16 | -19 | -32 | -16 | 17 | 47 | -9 | -8 | 47 | -13 |
| 475 | 244 | 11 | -17 | -19 | -32 | -16 | 14 | 46 | -11 | -9 | 46 | -14 |
| 476 | 244 | 30 | -17 | -19 | -32 | -16 | 14 | 43 | -11 | -10 | 43 | -14 |
| 477 | 244 | 49 | -17 | -18 | -32 | -16 | 14 | 43 | -11 | -10 | 43 | -14 |
| 478 | 248 | 26 | -19 | -21 | -33 | -18 | 9 | 39 | -14 | -14 | 38 | -16 |
| 479 | 248 | 46 | -20 | -21 | -32 | -18 | 9 | 38 | -14 | -14 | 38 | -16 |
| 480 | 249 | 5 | -20 | -22 | -31 | -19 | 8 | 38 | -15 | -14 | 38 | -17 |
| 481 | | 5 | | | | | 8 | 38 | | | 38 | |

AH-57C C/N 68-10354
 ARCTIC TEST
 9 JANUARY 1971
 RUN NO. 2

-40 DEG C / -40 DEG F

| -01 SWEEP COUNT | 1-02 TIME MIN. | 8-03 TIME SEC. | 8-23 ENG.#2 OIL COOLER AIR INLET DEG.C | 8-24 ENG.#2 OIL COOLER AIR OUTLET DEG.C |
|-----------------------|----------------------|----------------------|--|---|
| 1 | 0 | 12 | -29 | -31 |
| 2 | 0 | 32 | -28 | -31 |
| 3 | 0 | 52 | -31 | -30 |
| 4 | 1 | 12 | -29 | -31 |
| 5 | 1 | 32 | -31 | -31 |
| 6 | 1 | 52 | -28 | -31 |
| 7 | 2 | 12 | -29 | -30 |
| 8 | 2 | 32 | -26 | -31 |
| 9 | 2 | 52 | -24 | -31 |
| 10 | 3 | 12 | -29 | -31 |
| 11 | 3 | 32 | -26 | -31 |
| 12 | 3 | 52 | -24 | -31 |
| 13 | 4 | 12 | -28 | -31 |
| 14 | 4 | 32 | -26 | -31 |
| 15 | 4 | 52 | -27 | -31 |
| 16 | 5 | 12 | -28 | -30 |
| 17 | 5 | 32 | -29 | -31 |
| 18 | 5 | 52 | -24 | -30 |
| 19 | 6 | 12 | -28 | -31 |
| 20 | 6 | 32 | -27 | -30 |
| 21 | 6 | 53 | -26 | -31 |
| 22 | 7 | 13 | -26 | -31 |
| 23 | 7 | 33 | -26 | -29 |
| 24 | 7 | 53 | -24 | -29 |
| 25 | 8 | 13 | -23 | -30 |
| 26 | 8 | 33 | -24 | -30 |
| 27 | 8 | 53 | -24 | -30 |
| 28 | 9 | 13 | -27 | -30 |
| 29 | 9 | 34 | -24 | -29 |
| 30 | 9 | 54 | -24 | -30 |
| 31 | 10 | 14 | -24 | -30 |
| 32 | 12 | 44 | -24 | -30 |
| 33 | 17 | 13 | -27 | -31 |
| 34 | 17 | 34 | -29 | -30 |
| 35 | 17 | 54 | -24 | -31 |
| 36 | 21 | 16 | -30 | -31 |
| 37 | 22 | 43 | -30 | -31 |
| 38 | 22 | 3 | -31 | -31 |
| 39 | 22 | 23 | -31 | -31 |
| 40 | 22 | 44 | -31 | -30 |
| 41 | 23 | 33 | -31 | -31 |
| 42 | 23 | 54 | -31 | -31 |
| 43 | 24 | 14 | -30 | -30 |
| 44 | 24 | 35 | -30 | -30 |
| 45 | 24 | 55 | -31 | -31 |
| 46 | 25 | 16 | -30 | -31 |

| -01 SNEEP COUNT | 1-02 TIME MIN. | 8-03 TIME SEC. | 8-23 ENG.2 OIL COOLER AIR INLET REG.C | 8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C |
|-----------------------|----------------------|----------------------|---|--|
| 66 | 25 | 16 | -20 | -30 |
| 67 | 25 | 57 | -29 | -31 |
| 68 | 26 | 17 | -29 | -30 |
| 69 | 26 | 37 | -31 | -30 |
| 70 | 26 | 58 | -25 | -31 |
| 71 | 27 | 18 | -31 | -30 |
| 72 | 30 | 0 | -31 | -32 |
| 73 | 30 | 20 | -30 | -31 |
| 74 | 30 | 41 | -32 | -32 |
| 75 | 34 | 41 | -30 | -31 |
| 76 | 35 | 2 | -29 | -32 |
| 77 | 35 | 23 | -30 | -30 |
| 78 | 35 | 42 | -29 | -29 |
| 79 | 39 | 11 | -31 | -31 |
| 80 | 39 | 32 | -32 | -31 |
| 81 | 39 | 53 | -31 | -32 |
| 82 | 40 | 13 | -32 | -31 |
| 83 | 43 | 41 | -32 | -32 |
| 84 | 44 | 2 | -31 | -31 |
| 85 | 44 | 23 | -32 | -32 |
| 86 | 44 | 43 | -33 | -33 |
| 87 | 48 | 12 | -31 | -31 |
| 88 | 52 | 42 | -31 | -31 |
| 89 | 53 | 3 | -31 | -31 |
| 90 | 53 | 24 | -31 | -31 |
| 91 | 53 | 44 | -25 | -32 |
| 92 | 54 | 5 | -31 | -32 |
| 93 | 54 | 26 | -31 | -31 |
| 94 | 54 | 47 | -26 | -32 |
| 95 | 55 | 7 | -29 | -30 |
| 96 | 55 | 28 | -25 | -31 |
| 97 | 55 | 49 | -25 | -30 |
| 98 | 56 | 19 | -29 | -32 |
| 99 | 56 | 31 | -25 | -31 |
| 100 | 56 | 52 | -21 | -30 |
| 101 | 57 | 12 | -29 | -32 |
| 102 | 57 | 33 | -31 | -30 |
| 103 | 57 | 54 | -31 | -30 |
| 104 | 58 | 14 | -30 | -31 |
| 105 | 58 | 35 | -31 | -30 |
| 106 | 58 | 55 | -30 | -32 |
| 107 | 59 | 16 | -29 | -32 |
| 108 | 59 | 37 | -28 | -30 |
| 109 | 59 | 57 | -28 | -32 |
| 110 | 60 | 18 | -22 | -30 |
| 111 | 60 | 38 | -22 | -31 |
| 112 | 60 | 59 | -25 | -31 |
| 113 | 61 | 20 | -25 | -32 |
| 114 | 61 | 41 | -26 | -30 |
| 115 | 62 | 1 | -28 | -30 |

| -01 SHEEP COUNT | 1-01 TIME MIN | 3-03 TIME SECS | 4-27 ENDS+2 OIL COOLER AIR INLET DESSIC | 8-24 ENDS+2 OIL COOLER AIR OUTLET DESSIC |
|-----------------------|---------------------|----------------------|---|--|
| 96 | 62 | 21 | -24 | -32 |
| 97 | 62 | 43 | -29 | -31 |
| 98 | 63 | 3 | -24 | -31 |
| 99 | 63 | 23 | -27 | -32 |
| 100 | 63 | 44 | -27 | -31 |
| 101 | 64 | 4 | -24 | -30 |
| 102 | 64 | 25 | -27 | -32 |
| 103 | 64 | 45 | -24 | -31 |
| 104 | 65 | 5 | -27 | -31 |
| 105 | 65 | 26 | -29 | -31 |
| 106 | 65 | 47 | -24 | -31 |
| 107 | 66 | 8 | -29 | -29 |
| 108 | 66 | 28 | -25 | -31 |
| 109 | 66 | 49 | -29 | -29 |
| 110 | 67 | 9 | -24 | -31 |
| 111 | 67 | 30 | -24 | -31 |
| 112 | 67 | 51 | -24 | -29 |
| 113 | 68 | 11 | -26 | -30 |
| 114 | 68 | 32 | -25 | -31 |
| 115 | 68 | 53 | -26 | -29 |
| 116 | 69 | 14 | -24 | -31 |
| 117 | 69 | 51 | -21 | -28 |
| 118 | 69 | 55 | -24 | -28 |
| 119 | 70 | 15 | -24 | -25 |
| 120 | 70 | 42 | -24 | -28 |
| 121 | 70 | 57 | -31 | -30 |
| 122 | 71 | 18 | -29 | -30 |
| 123 | 71 | 38 | -27 | -29 |
| 124 | 71 | 59 | -24 | -29 |
| 125 | 72 | 19 | -29 | -29 |
| 126 | 72 | 40 | -24 | -28 |
| 127 | 73 | 0 | -27 | -29 |
| 128 | 73 | 20 | -26 | -25 |
| 129 | 73 | 41 | -24 | -27 |
| 130 | 74 | 2 | -27 | -26 |
| 131 | 74 | 22 | -24 | -26 |
| 132 | 74 | 43 | -26 | -21 |
| 133 | 75 | 3 | -25 | -16 |
| 134 | 75 | 24 | -24 | -13 |
| 135 | 75 | 44 | -24 | -14 |
| 136 | 76 | 4 | -27 | -17 |
| 137 | 76 | 25 | -24 | -14 |
| 138 | 76 | 45 | -27 | -13 |
| 139 | 77 | 6 | -25 | -10 |
| 140 | 77 | 26 | -24 | -13 |
| 141 | 77 | 46 | -23 | -14 |
| 142 | 78 | 6 | -23 | -9 |
| 143 | 78 | 27 | -24 | -9 |
| 144 | 78 | 47 | -20 | -11 |
| 145 | 79 | 7 | -14 | -12 |

| -01 SMEEP COUNT | -02 TIME MIN. | A-01 TIM. SEC. | A-23 | | S-24 | |
|-----------------------|---------------------|----------------------|---|-------------------------------|------|--|
| | | | ENG.2 OIL COOLER AIR INLET DEG.C | OIL AIR OUTLET DEG.C | | |
| 146 | 79 | 27 | -23 | -12 | | |
| 147 | 79 | 47 | -23 | -15 | | |
| 148 | 80 | 8 | -24 | -16 | | |
| 149 | 80 | 26 | -24 | -21 | | |
| 150 | 80 | 49 | -26 | -22 | | |
| 151 | 81 | 10 | -26 | -24 | | |
| 152 | 81 | 30 | -26 | -25 | | |
| 153 | 81 | 50 | -27 | -25 | | |
| 154 | 82 | 10 | -25 | -23 | | |
| 155 | 82 | 31 | -25 | -21 | | |
| 156 | 82 | 51 | -21 | -20 | | |
| 157 | 83 | 11 | -23 | -19 | | |
| 158 | 83 | 32 | -25 | -19 | | |
| 159 | 83 | 52 | -24 | -18 | | |
| 160 | 84 | 12 | -25 | -20 | | |
| 161 | 84 | 32 | -24 | -20 | | |
| 162 | 84 | 53 | -25 | -20 | | |
| 163 | 85 | 13 | -24 | -19 | | |
| 164 | 85 | 33 | -26 | -22 | | |
| 165 | 85 | 53 | -28 | -24 | | |
| 166 | 86 | 14 | -24 | -21 | | |
| 167 | 86 | 34 | -26 | -22 | | |
| 168 | 86 | 54 | -24 | -20 | | |
| 169 | 87 | 14 | -28 | -24 | | |
| 170 | 87 | 35 | -25 | -27 | | |
| 171 | 87 | 55 | -21 | -27 | | |
| 172 | 88 | 15 | -31 | -28 | | |
| 173 | 88 | 36 | -31 | -29 | | |
| 174 | 88 | 56 | -26 | -26 | | |
| 175 | 89 | 16 | -27 | -24 | | |
| 176 | 89 | 36 | -27 | -24 | | |
| 177 | 89 | 56 | -26 | -23 | | |
| 178 | 90 | 17 | -31 | -29 | | |
| 179 | 90 | 37 | -29 | -28 | | |
| 180 | 90 | 57 | -31 | -29 | | |
| 181 | 91 | 17 | -31 | -30 | | |
| 182 | 91 | 37 | -31 | -29 | | |
| 183 | 91 | 58 | -32 | -30 | | |
| 184 | 92 | 18 | -32 | -32 | | |
| 185 | 92 | 38 | -32 | -31 | | |
| 186 | 92 | 58 | -30 | -30 | | |
| 187 | 93 | 18 | -31 | -30 | | |
| 188 | 93 | 39 | -32 | -31 | | |
| 189 | 93 | 59 | -32 | -32 | | |
| 190 | 94 | 19 | -31 | -31 | | |
| 191 | 94 | 39 | -32 | -31 | | |
| 192 | 94 | 59 | -26 | -27 | | |
| 193 | 95 | 20 | -15 | -9 | | |
| 194 | 95 | 40 | -14 | 0 | | |
| 195 | 96 | 0 | -21 | -1 | | |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 8-03 TIME SEC. | 6-23 | | 8-24 | |
|-----------------------|----------------------|----------------------|--------------|---------------------------------|--------------|----------------------------------|
| | | | ENG.2 OIL | COOLER AIR INLET DEG.C | ENG.2 OIL | COOLER AIR OUTLET DEG.C |
| 196 | 96 | 21 | -14 | | 5 | |
| 197 | 96 | 41 | -21 | | -3 | |
| 198 | 97 | 1 | -13 | | | |
| 199 | 97 | 21 | -17 | | -0 | |
| 200 | 97 | 41 | -14 | | 1 | |
| 201 | 98 | 2 | -15 | | 1 | |
| 202 | 98 | 22 | -14 | | 3 | |
| 203 | 98 | 42 | -15 | | 1 | |
| 204 | 99 | 2 | -18 | | 0 | |
| 205 | 99 | 22 | -22 | | -2 | |
| 206 | 99 | 43 | -21 | | -8 | |
| 207 | 100 | 3 | -24 | | -9 | |
| 208 | 100 | 23 | -23 | | -7 | |
| 209 | 100 | 44 | -23 | | -9 | |
| 210 | 101 | 4 | -23 | | -5 | |
| 211 | 101 | 24 | -16 | | 1 | |
| 212 | 101 | 44 | -14 | | 3 | |
| 213 | 102 | 5 | -14 | | 2 | |
| 214 | 102 | 25 | -17 | | 1 | |
| 215 | 102 | 45 | -14 | | 0 | |
| 216 | 103 | 5 | -17 | | 0 | |
| 217 | 103 | 26 | -18 | | 0 | |
| 218 | 103 | 46 | -22 | | -7 | |
| 219 | 104 | 6 | -15 | | -4 | |
| 220 | 104 | 26 | -22 | | -3 | |
| 221 | 104 | 47 | -15 | | 0 | |
| 222 | 105 | 7 | -14 | | 0 | |
| 223 | 105 | 27 | -14 | | -1 | |
| 224 | 105 | 47 | -21 | | -3 | |
| 225 | 106 | 6 | -21 | | -3 | |
| 226 | 106 | 20 | -20 | | -3 | |
| 227 | 106 | 40 | -20 | | -4 | |
| 228 | 107 | 8 | -17 | | 1 | |
| 229 | 107 | 28 | -20 | | -2 | |
| 230 | 107 | 49 | -23 | | -5 | |
| 231 | 108 | 9 | -14 | | 4 | |
| 232 | 108 | 29 | -17 | | 1 | |
| 233 | 108 | 49 | -19 | | 1 | |
| 234 | 109 | 9 | -14 | | -0 | |
| 235 | 109 | 29 | -17 | | 0 | |
| 236 | 109 | 49 | -23 | | -4 | |
| 237 | 110 | 10 | -24 | | -6 | |
| 238 | 110 | 30 | -24 | | -6 | |
| 239 | 110 | 50 | -23 | | -6 | |
| 240 | 111 | 10 | -24 | | -6 | |
| 241 | 111 | 30 | -24 | | -6 | |
| 242 | 111 | 50 | -24 | | -7 | |
| 243 | 112 | 10 | -23 | | -5 | |
| 244 | 112 | 30 | -23 | | -5 | |
| 245 | 112 | 50 | -24 | | -7 | |

| 8-01 SHEEP COUNT | 1-02 TIME *IN. | 8-03 TIME SEC. | 8-23 ENG.2 OIL COOLER AIR INLET DEG.C | 8-24 OIL COOLER AIR OUTLET DEG.C |
|------------------------|----------------------|----------------------|---|---|
| 246 | 113 | 10 | -23 | -4 |
| 247 | 113 | 30 | -23 | -4 |
| 248 | 113 | 50 | -24 | -6 |
| 249 | 114 | 10 | -23 | -5 |
| 250 | 114 | 30 | -24 | -5 |
| 251 | 114 | 50 | -23 | -4 |
| 252 | 115 | 10 | -24 | -6 |
| 253 | 115 | 30 | -23 | -4 |
| 254 | 115 | 50 | -24 | -6 |
| 255 | 116 | 10 | -23 | -6 |
| 256 | 116 | 30 | -24 | -7 |
| 257 | 116 | 50 | -24 | -7 |
| 258 | 117 | 10 | -24 | -7 |
| 259 | 117 | 30 | -23 | -5 |
| 260 | 117 | 50 | -23 | -3 |
| 261 | 118 | 10 | -23 | -4 |
| 262 | 118 | 30 | -23 | -4 |
| 263 | 118 | 50 | -23 | -6 |
| 264 | 119 | 10 | -23 | -5 |
| 265 | 119 | 31 | -24 | -5 |
| 266 | 119 | 51 | -23 | -4 |
| 267 | 120 | 10 | -23 | -4 |
| 268 | 120 | 30 | -23 | -6 |
| 269 | 120 | 50 | -24 | -6 |
| 270 | 121 | 11 | -25 | -4 |
| 271 | 121 | 31 | -23 | -4 |
| 272 | 121 | 51 | -23 | -4 |
| 273 | 122 | 11 | -23 | -4 |
| 274 | 122 | 32 | -24 | -4 |
| 275 | 122 | 52 | -24 | -5 |
| 276 | 123 | 12 | -23 | -6 |
| 277 | 123 | 33 | -23 | -4 |
| 278 | 123 | 53 | -23 | -4 |
| 279 | 124 | 13 | -24 | -3 |
| 280 | 124 | 34 | -21 | -0 |
| 281 | 124 | 54 | -25 | -5 |
| 282 | 125 | 15 | -26 | -8 |
| 283 | 125 | 36 | -21 | -7 |
| 284 | 125 | 56 | -21 | -6 |
| 285 | 126 | 17 | -25 | -4 |
| 286 | 126 | 37 | -24 | -4 |
| 287 | 126 | 56 | -24 | -6 |
| 288 | 127 | 18 | -24 | -6 |
| 289 | 127 | 39 | -21 | -8 |
| 290 | 127 | 59 | -24 | -8 |
| 291 | 128 | 20 | -24 | -7 |
| 292 | 128 | 40 | -24 | -7 |
| 293 | 128 | 1 | -24 | -7 |
| 294 | 129 | 21 | -24 | -8 |
| 295 | 129 | 42 | -24 | -9 |

| -01 SWEEP COUNT | I-O TIME *IN. | 6-03 TIME SEC. | 1-22 | | 6-24 | |
|-----------------------|---------------------|----------------------|---|--|--|---|
| | | | ENS.2 COOLER AIR INLET DESG.C | ENS.2 COOLER AIR OUTLET DESG.C | ENS.2 OIL AIR INLET DESG.C | ENS.2 OIL AIR OUTLET DESG.C |
| 296 | 130 | 3 | -24 | -24 | -7 | -7 |
| 297 | 130 | 23 | -24 | -24 | -8 | -8 |
| 298 | 130 | 44 | -24 | -24 | -7 | -7 |
| 299 | 131 | 4 | -25 | -25 | -7 | -7 |
| 300 | 131 | 25 | -25 | -25 | -9 | -9 |
| 301 | 131 | 45 | -25 | -25 | -9 | -9 |
| 302 | 132 | 6 | -25 | -25 | -9 | -9 |
| 303 | 132 | 26 | -26 | -26 | -10 | -10 |
| 304 | 132 | 47 | -26 | -26 | -9 | -9 |
| 305 | 133 | 7 | -26 | -26 | -7 | -7 |
| 306 | 133 | 28 | -25 | -25 | -7 | -7 |
| 307 | 133 | 48 | -25 | -25 | -8 | -8 |
| 308 | 134 | 9 | -25 | -25 | -8 | -8 |
| 309 | 134 | 29 | -25 | -25 | -6 | -6 |
| 310 | 134 | 49 | -24 | -24 | -6 | -6 |
| 311 | 135 | 10 | -24 | -24 | -8 | -8 |
| 312 | 135 | 30 | -24 | -24 | -8 | -8 |
| 313 | 135 | 50 | -23 | -23 | -8 | -8 |
| 314 | 136 | 10 | -24 | -24 | -7 | -7 |
| 315 | 136 | 30 | -22 | -22 | -4 | -4 |
| 316 | 136 | 50 | -23 | -23 | -6 | -6 |
| 317 | 137 | 10 | -21 | -21 | -3 | -3 |
| 318 | 137 | 30 | -22 | -22 | -3 | -3 |
| 319 | 137 | 50 | -24 | -24 | -6 | -6 |
| 320 | 138 | 19 | -21 | -21 | -5 | -5 |
| 321 | 138 | 39 | -22 | -22 | -5 | -5 |
| 322 | 138 | 59 | -22 | -22 | -3 | -3 |
| 323 | 139 | 10 | -21 | -21 | -3 | -3 |
| 324 | 139 | 30 | -21 | -21 | -6 | -6 |
| 325 | 139 | 50 | -21 | -21 | -4 | -4 |
| 326 | 140 | 10 | -25 | -25 | -7 | -7 |
| 327 | 140 | 30 | -22 | -22 | -14 | -14 |
| 328 | 140 | 50 | -18 | -18 | -10 | -10 |
| 329 | 141 | 10 | -14 | -14 | -0 | -0 |
| 330 | 141 | 30 | -12 | -12 | 0 | 0 |
| 331 | 141 | 50 | -15 | -15 | -2 | -2 |
| 332 | 142 | 9 | -15 | -15 | -4 | -4 |
| 333 | 142 | 29 | -15 | -15 | -4 | -4 |
| 334 | 142 | 49 | -17 | -17 | -8 | -8 |
| 335 | 143 | 9 | -17 | -17 | -10 | -10 |
| 336 | 143 | 28 | -19 | -19 | -6 | -6 |
| 337 | 143 | 48 | -20 | -20 | -12 | -12 |
| 338 | 144 | 8 | -23 | -23 | -14 | -14 |
| 339 | 144 | 28 | -23 | -23 | -14 | -14 |
| 340 | 144 | 48 | -22 | -22 | -14 | -14 |
| 341 | 145 | 7 | -22 | -22 | -14 | -14 |
| 342 | 145 | 27 | -23 | -23 | -15 | -15 |
| 343 | 145 | 47 | -23 | -23 | -16 | -16 |
| 344 | 146 | 7 | -22 | -22 | -16 | -16 |
| 345 | 146 | 27 | -22 | -22 | -16 | -16 |

| -01 SHEEP COUNT | -02 TIME *IN. | -03 TIME SEC. | A-23 ENG-2 OIL COOLER AIR INFLT OUTFLT DEG.C | B-24 ENG-2 OIL COOLER AIR INFLT OUTFLT DEG.C |
|-----------------------|---------------------|---------------------|---|---|
| 346 | 146 | 43 | -21 | -15 |
| 347 | 147 | 6 | -21 | -19 |
| 348 | 147 | 26 | -21 | -21 |
| 349 | 147 | 46 | -23 | -20 |
| 350 | 148 | 6 | -24 | -20 |
| 351 | 148 | 26 | -23 | -21 |
| 352 | 148 | 45 | -20 | -17 |
| 353 | 149 | 5 | -20 | -11 |
| 354 | 149 | 25 | -22 | -15 |
| 355 | 149 | 45 | -22 | -16 |
| 356 | 150 | 5 | -22 | -14 |
| 357 | 150 | 24 | -22 | -15 |
| 358 | 150 | 44 | -21 | -14 |
| 359 | 151 | 4 | -22 | -13 |
| 360 | 151 | 24 | -21 | -13 |
| 361 | 151 | 43 | -21 | -14 |
| 362 | 152 | 3 | -21 | -13 |
| 363 | 152 | 23 | -23 | -15 |
| 364 | 152 | 43 | -23 | -18 |
| 365 | 153 | 2 | -23 | -17 |
| 366 | 153 | 22 | -22 | -16 |
| 367 | 153 | 42 | -23 | -18 |
| 368 | 154 | 2 | -24 | -19 |
| 369 | 154 | 21 | -24 | -21 |
| 370 | 154 | 41 | -23 | -19 |
| 371 | 155 | 1 | -22 | -19 |
| 372 | 155 | 21 | -22 | -17 |
| 373 | 155 | 40 | -22 | -17 |
| 374 | 156 | 0 | -20 | -16 |
| 375 | 156 | 20 | -20 | -14 |
| 376 | 156 | 40 | -20 | -10 |
| 377 | 156 | 59 | -18 | -6 |
| 378 | 157 | 19 | -17 | -6 |
| 379 | 157 | 39 | -18 | -9 |
| 380 | 157 | 58 | -18 | -7 |
| 381 | 158 | 18 | -16 | -6 |
| 382 | 158 | 38 | -17 | -6 |
| 383 | 158 | 57 | -17 | -7 |
| 384 | 159 | 17 | -20 | -12 |
| 385 | 159 | 37 | -22 | -14 |
| 386 | 159 | 56 | -23 | -16 |
| 387 | 160 | 16 | -23 | -17 |
| 388 | 160 | 36 | -23 | -17 |
| 389 | 160 | 55 | -24 | -22 |
| 390 | 161 | 15 | -25 | -23 |
| 391 | 161 | 35 | -23 | -20 |
| 392 | 161 | 54 | -23 | -20 |
| 393 | 162 | 14 | -24 | -21 |
| 394 | 162 | 34 | -24 | -20 |
| 395 | 163 | 37 | -23 | -21 |

| -01 SWEEP COUNT | 9-02 TIME MIN. | 9-03 TIME SEC. | 9-23 ENG.2 OIL COOLER AIR INLET DEG.C | 9-24 ENG.2 OIL COOLER AIR OUTLET DEG.C |
|-----------------------|----------------------|----------------------|---|--|
| 396 | 163 | 57 | -24 | -21 |
| 397 | 164 | 17 | -24 | -21 |
| 398 | 167 | 5 | -23 | -15 |
| 399 | 167 | 25 | -22 | -14 |
| 400 | 167 | 45 | -21 | -14 |
| 401 | 169 | 39 | -21 | -10 |
| 402 | 172 | 13 | -20 | -4 |
| 403 | 172 | 33 | -19 | 0 |
| 404 | 172 | 53 | -26 | -16 |
| 405 | 174 | 47 | -23 | -15 |
| 406 | 175 | 7 | -18 | -22 |
| 407 | 175 | 26 | -35 | -33 |
| 408 | 177 | 21 | -27 | -24 |
| 409 | 178 | 11 | -31 | -27 |
| 410 | 178 | 31 | -33 | -30 |
| 411 | 178 | 51 | -28 | -27 |
| 412 | 179 | 10 | -30 | -25 |
| 413 | 179 | 30 | -32 | -30 |
| 414 | 179 | 49 | -33 | -31 |
| 415 | 180 | 9 | -33 | -33 |
| 416 | 180 | 28 | -32 | -33 |
| 417 | 180 | 48 | -33 | -33 |
| 418 | 181 | 8 | -33 | -33 |
| 419 | 181 | 27 | -29 | -27 |
| 420 | 181 | 47 | -26 | -26 |
| 421 | 182 | 5 | -27 | -26 |
| 422 | 182 | 26 | -26 | -27 |
| 423 | 182 | 45 | -31 | -28 |
| 424 | 183 | 5 | -30 | -28 |
| 425 | 183 | 24 | -29 | -27 |
| 426 | 183 | 44 | -27 | -27 |
| 427 | 184 | 9 | -31 | -30 |
| 428 | 184 | 23 | -31 | -29 |
| 429 | 184 | 43 | -31 | -29 |
| 430 | 185 | 3 | -33 | -30 |
| 431 | 185 | 23 | -32 | -30 |
| 432 | 185 | 43 | -32 | -30 |
| 433 | 186 | 3 | -30 | -28 |
| 434 | 186 | 23 | -27 | -26 |
| 435 | 186 | 42 | -24 | -11 |
| 436 | 187 | 2 | -26 | -3 |
| 437 | 187 | 21 | -21 | -A |
| 438 | 187 | 41 | -23 | -A |
| 439 | 188 | 0 | -21 | -3 |
| 440 | 189 | 48 | -21 | -6 |
| 441 | 191 | 21 | -22 | -5 |
| 442 | 191 | 40 | -24 | -4 |
| 443 | 192 | 0 | -24 | -5 |
| 444 | 192 | 20 | -25 | -5 |
| 445 | 194 | 10 | -20 | -3 |

| -01 SWEEP COUNT | -02 TIME "IN. | 0-03 TIME SEC. | 1-23 ENS.2 OIL COOLER AIR INLET DEG.C | 8-24 ENS.2 OIL COOLER AIR OUTLET DEG.C |
|-----------------------|---------------------|----------------------|---|--|
| 446 | 198 | 25 | -25 | 0 |
| 447 | 198 | 45 | -31 | 1 |
| 448 | 199 | 5 | -32 | 1 |
| 449 | 207 | 13 | -23 | -14 |
| 450 | 207 | 33 | -23 | -14 |
| 451 | 207 | 52 | -23 | -12 |
| 452 | 208 | 13 | -22 | -13 |
| 453 | 212 | 33 | -21 | -17 |
| 454 | 212 | 52 | -22 | -16 |
| 455 | 213 | 12 | -22 | -16 |
| 456 | 213 | 33 | -22 | -16 |
| 457 | 217 | 51 | -21 | -19 |
| 458 | 218 | 11 | -21 | -19 |
| 459 | 218 | 32 | -21 | -18 |
| 460 | 222 | 49 | -21 | -18 |
| 461 | 223 | 8 | -11 | -18 |
| 462 | 223 | 28 | -16 | -17 |
| 463 | 227 | 7 | -26 | -16 |
| 464 | 227 | 26 | -26 | -17 |
| 465 | 227 | 45 | -21 | -16 |
| 466 | 231 | 26 | -22 | -17 |
| 467 | 231 | 43 | -25 | -16 |
| 468 | 232 | 3 | -26 | -17 |
| 469 | 235 | 41 | -21 | -18 |
| 470 | 236 | 0 | -27 | -18 |
| 471 | 236 | 20 | -26 | -18 |
| 472 | 239 | 57 | -19 | -18 |
| 473 | 240 | 17 | -11 | -19 |
| 474 | 240 | 36 | -21 | -19 |
| 475 | 244 | 13 | -24 | -18 |
| 476 | 244 | 32 | -21 | -18 |
| 477 | 244 | 52 | -20 | -19 |
| 478 | 248 | 29 | -23 | -20 |
| 479 | 248 | 48 | -23 | -20 |
| 480 | 249 | 7 | -23 | -20 |
| 481 | 249 | 9 | -23 | -20 |

RUN 3, -40°C/-40°F, 15 JANUARY 1971

Test Synopsis:

Soak time: 36 hours at -38 to -43°C (about -40°C average)

Start temperature: -43°C

Inflight temperature: -26 to -40°C

Instrumentation: full data obtained

Heat application: instrumentation heated before each operation cycle during soak and before aircraft operation; this resulted in unwanted heating of some aircraft components.

The temperature survey (extended soak) was accomplished during this test. The aircraft was soaked for 35 hours; the ambient air temperature held fairly steady near -40°C during the entire period. The instrumentation system was operated periodically during the soak to record the temperature. Unfortunately, the heat applied to the instrumentation system to permit it to operate also heated some of the aircraft components (as can be seen by referencing to box 3, parameter numbers starting with 3, such as 3-05). The soak data are presented from C/N 64 through C/N 250 and the test run is presented from C/N 272 through C/N 704.

This test also shows inflight data without heater operation. Because of a defective fire extinguisher bottle, the heater was not operated in flight. The heater data therefore show ground operation only.

Pertinent information.

Engine No. 1 has -13 fuel control and EAPS installed.

Engine No. 2 has -13 fuel control and no EAPS.

Engine No. 2 was replaced prior to the arctic tests and is an overhauled engine (231 hours total time at overhaul).

Modified APP start valve installed before this run to provide improved cold weather starting.

Defective test parameters not presented (unless indicated otherwise).

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

4-13 - Second stage hydraulic pump outlet temperature.

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

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

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

7-22 - Engine No. 1/nose gearbox oil cooler outlet air temperature.

Test parameters not connected or not presented.

Soak Data Test: Only selected pertinent temperature data are presented for the extended soak test portion of these data.

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

6-05 and 6-06 - Engine fuel control discharge temperature (not connected).

Box 8 - Engine No. 2 mass temperatures (not connected). Only the engine/nose gearbox oil cooler air temperature parameters (8-23 and 8-24) were connected.

Event Sheet:

| <u>CTR</u> | <u>Event</u> |
|------------|--|
| SOAK DATA | |
| 64-65 | Initial soak data (warm aircraft taken from hangar after operating APP, cargo winches, and heater) |
| 98-99 | Soak data after 0.4 hour |
| 112-113 | Soak data after 4 hours |
| 128-129 | Soak data after 9 hours |
| 159-160 | Soak data after 14 hours |
| 189-190 | Soak data after 19 hours |
| 224-225 | Soak data after 24 hours |
| 249-250 | Soak data after 36 hours |
| TEST RUN | |
| 275 | APP - start |
| 292-300 | Cargo winches - check operation |
| 304-308 | Rescue hoist - check operation |
| 310-315 | Cargo hook - check operation |
| 322-331 | Ramp door - check operation |
| 350 | Rotor brake - OFF (hydraulic reservoir empty due to leak) |
| 358 | Heater - ON, MAX HEAT |
| 366 | Heater - CABIN select position |
| 370 | Comm/nav radios and radar altimeter - ON |
| 408 | Engine No. 2 - start |

Note

Engine No. 1 motored while engine No. 2 was starting due to defective start valve.

423 APP - OFF
 424 Engine No. 1 - start
 434 Flat pitch and engine overspeed protection system - checked
 437 Engine No. 1 anti-ice - ON
 443-446 Air refueling probe - exercise

| <u>CTR</u> | <u>Event</u> |
|------------|--|
| 466 | Taxi |
| 472 | Heater - OFF |
| 484 | Takeoff |
| 490 | Cruise at 600 ft PA |
| 503 | Cruise at 415 ft PA |
| 518 | Cruise at 800 ft PA |
| 519 | Cruise at 860 ft PA (note the 13°C temperature rise at 475 ft AGL; typical Alaska temperature inversion) |
| 528 | Cruise at 460 ft PA (75 ft AGL) |
| 547-600 | Cruise and maneuvering between 300 ft and 415 ft PA |
| 590 | Air refueling probe - exercise |
| 600 | Doppler - check; Doppler shows ground speed 15 knots lower than true airspeed due to extreme low density altitude of approximately -8,000 feet |
| 623 | Flight controls - stiff due to control stick boot becoming hard as cockpit temperature drops without heater operation (reference parameters 3-16 and 3-20 for approximate temperature of boot) |
| 623-650 | Landings - series of landings and takeoffs |
| 650 | Taxi |
| 661 | Hit hole in runway with nose gear, causing nose strut hydraulic leak |
| 674 | Nose strut flat |
| 684 | APP - start |
| 692 | Engine No. 2 - shutdown |
| 700 | Engine No. 1 - shutdown |
| 704 | Recorder out of tape - end test; APP still running |

MH-53C S/N 66-10354

ARCTIC TEST

13-15 JANUARY 1971

RUN NO. 3 -40 DEG C/ -40 DEG F

| 3-01 | 3-02 | 3-05 | 3-06 | 3-07 | 3-08 | 3-09 | 3-10 | 3-11 | 3-12 | 3-13 | 3-14 | 3-15 |
|----------------|--------------|-------------------------|---|--|--|---|---|--|--|---|--|---|
| SWEEP COUNT | TIME MRS. | HEATER TEMP DEG.C | HEATER PLENUM CHAMBER TEMP OUT DEG.C | HEATER MAIN DIST. LS FMD DEG.C | HEATER HAIR DIST. DUCT RS FMD DEG.C | HEATER HAIR DIST. OUTLET (CKPIT L.S.) DEG.C | DIST. DUCT OUTLET (CKPIT R.S.) DEG.C | DIST. DUCT OUTLET STA460 -470RS DEG.C | DIST. DUCT OUTLET STA460 -470LS DEG.C | PILOTS HEAD LEVEL AIR TEMP DEG.C | PILOTS HAIST LEVEL AIR TEMP DEG.C | PILOTS FOOT LEVEL AIR TEMP DEG.C |
| 64 | 0 | -34 | 97 | 97 | 86 | 25 | 16 | 19 | 45 | 11 | 5 | 6 |
| 65 | 0 | -35 | 96 | 96 | 88 | 29 | 17 | 21 | 48 | 12 | 9 | 7 |
| 98 | 0.4 | -5 | -8 | -12 | -10 | -12 | -12 | -19 | -20 | -13 | -18 | -18 |
| 99 | 0.4 | -5 | -8 | -12 | -10 | -12 | -12 | -19 | -19 | -13 | -18 | -18 |
| 112 | 4 | -25 | -10 | -5 | -6 | -8 | -9 | 6 | 4 | -6 | -13 | -24 |
| 113 | 4 | -24 | -10 | -5 | -6 | 0 | -8 | 7 | 4 | -6 | -13 | -24 |
| 128 | 9 | -23 | -13 | -8 | -10 | -3 | -12 | 0 | 5 | -8 | -17 | -29 |
| 129 | 9 | -30 | -14 | -8 | -10 | -2 | -13 | -2 | 6 | -9 | -17 | -28 |
| 159 | 14 | -16 | -2 | 0 | 1 | -1 | -4 | 0 | -2 | -4 | -11 | -21 |
| 160 | 14 | -17 | -3 | 0 | 1 | -2 | -4 | 0 | -3 | -4 | -12 | -21 |
| 189 | 19 | -19 | -4 | -1 | -1 | 2 | -5 | 3 | 8 | -3 | -10 | -20 |
| 190 | 19 | -19 | -4 | -2 | -2 | 1 | -5 | 3 | 9 | -4 | -10 | -20 |
| 224 | 24 | -16 | -4 | -2 | 0 | -6 | -5 | -4 | -6 | -6 | -16 | -23 |
| 225 | 24 | -16 | -4 | -2 | 0 | -6 | -5 | -5 | -6 | -7 | -16 | -23 |
| 249 | 26 | -24 | -7 | -4 | -8 | -4 | -8 | 8 | 7 | -6 | -13 | -23 |
| 250 | 26 | -24 | -7 | -4 | -8 | -4 | -8 | 8 | 6 | -6 | -14 | -24 |

HH-SIC S/N 68-18354

ARCTIC TEST

13-15 JANUARY 1971

RUN NO. 3 -40 DEG C/ -40 DEG F

| | | | | | | | | | | | | | | | |
|-----|------|-------|-----|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 64 | 3-02 | SWEEP | 0 | 3-16 | PILOTS | 3-17 | 3-18 | 3-19 | 3-20 | 3-21 | 3-22 | 3-23 | 3-24 | 3-25 | 3-26 |
| 65 | C | TIME | -12 | CO-PLT | CO-PLT | CO-PLT | CO-PLT | CO-PLT | CO-PLT | CARGO | CARGO | CARGO | CARGO | CARGO | CARGO |
| 98 | 0.4 | | 19 | MAIST | MAIST | MAIST | MAIST | MAIST | FLOOR | AREA | AREA | AREA | AREA | AREA | AREA |
| 113 | 0.4 | | -17 | LEVEL | LEVEL | LEVEL | LEVEL | LEVEL | FLOOR | FMD | FMD | FMD | FMD | FMD | FMD |
| 128 | 4 | | -18 | AIR | AIR | AIR | AIR | AIR | TEMP | HEAD | HEAD | HEAD | HEAD | HEAD | HEAD |
| 159 | 4 | | -29 | TEMP | TEMP | TEMP | TEMP | TEMP | DEG.C | LEVEL | LEVEL | LEVEL | LEVEL | LEVEL | LEVEL |
| 189 | 9 | | -9 | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 190 | 14 | | -11 | | | | | | | | | | | | |
| 224 | 14 | | -13 | | | | | | | | | | | | |
| 225 | 19 | | -23 | | | | | | | | | | | | |
| 249 | 24 | | -26 | | | | | | | | | | | | |
| 250 | 34 | | -31 | | | | | | | | | | | | |
| | 34 | | -18 | | | | | | | | | | | | |
| | 34 | | -32 | | | | | | | | | | | | |
| | 34 | | -32 | | | | | | | | | | | | |
| | 34 | | -3 | | | | | | | | | | | | |
| | 34 | | -3 | | | | | | | | | | | | |
| | 34 | | -3 | | | | | | | | | | | | |

MH-53C S/N 48-10354

ARCTIC TEST

13-15 JANUARY 1971

RUN NO. 3 -40 DEG C/ -40 DEG F

| | | | | | | | | | | | | |
|-------|------|-------|-------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| 3-02 | 3-02 | 3-27 | 3-28 | 4-05 | 4-06 | 4-07 | 4-08 | 4-09 | 4-10 | 4-11 | 4-12 | 4-14 |
| SWEEP | TIME | CARGO | CARGO | CO-PLT | CO-PLT | CENTER | CENTER | 1STAGE | 1STAGE | 1STAGE | 2STAGE | 2STAGE |
| COUNT | HRS. | AREA | AREA | WINDSHD | WINDSHD | PANEL | PANEL | PUMP | PUMP | PUMP | PUMP | AFT |
| | | FLOOR | FLOOR | INSIDE | INSIDE | WINDSHD | WINDSHD | INLET | OUTLET | SERVO | INLET | SERVO |
| | | MASS | MASS | LOWER | UPPER | INSIDE | INSIDE | HYD. | HYD. | HYD IN | HYD. | HYD IN |
| | | DEG.C | DEG.C | CENTER | R M | UPR C | UPR C | TEMP | TEMP | TEMP | TEMP | TEMP |
| | | | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 64 | 0 | 0 | -28 | 16 | 14 | -13 | 8 | -19 | -18 | -17 | 87 | 95 |
| 65 | 0 | 0 | -28 | 19 | 16 | -8 | 20 | -16 | -20 | -17 | 96 | 94 |
| 98 | 0.4 | -28 | -27 | -20 | -12 | -18 | -16 | -18 | -19 | -16 | 24 | -2 |
| 99 | 0.4 | -28 | -27 | -20 | -12 | -18 | -16 | -18 | -19 | -15 | 23 | -3 |
| 112 | 4 | -24 | -30 | -23 | -18 | -22 | -8 | -32 | -31 | -28 | -27 | -28 |
| 113 | 4 | -23 | -31 | -23 | -16 | -22 | -8 | -32 | -30 | -28 | -28 | -29 |
| 128 | 9 | -26 | -33 | -26 | -20 | -24 | -11 | -36 | -36 | -32 | -35 | -33 |
| 129 | 9 | -27 | -35 | -26 | -21 | -26 | -12 | -36 | -36 | -35 | -36 | -33 |
| 159 | 14 | -24 | -26 | -17 | -11 | -18 | -7 | -33 | -32 | -29 | -32 | -29 |
| 160 | 14 | -24 | -26 | -17 | -11 | -18 | -8 | -32 | -32 | -28 | -31 | -28 |
| 189 | 19 | -20 | -27 | -19 | -11 | -18 | -7 | -34 | -34 | -33 | -33 | -31 |
| 190 | 19 | -20 | -28 | -20 | -12 | -18 | -7 | -34 | -34 | -33 | -34 | -31 |
| 224 | 24 | -25 | -26 | -18 | -12 | -20 | -11 | -32 | -32 | -30 | -31 | -30 |
| 225 | 24 | -25 | -26 | -19 | -13 | -20 | -11 | -32 | -32 | -30 | -31 | -30 |
| 249 | 24 | -24 | -31 | -22 | -15 | -22 | -11 | -38 | -38 | -36 | -38 | -34 |
| 250 | 26 | -24 | -30 | -22 | -15 | -22 | -11 | -38 | -38 | -36 | -38 | -34 |

HH-53C S/N 68-10354

ARCTIC TEST

13-15 JANUARY 1971

RUN NO. 3 -40 DEG C/ -40 DEG F

| -01 SNEEP COUNT | 3-02 TIME HRS. | 4-15 2STAGE AFCS 1 COOLL. /YAW CHAN) DEG.C | 4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C | 4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C | 4-20 ROUDDY RUDDER ISTAGE INLET TEMP DEG.C | 4-21 ROUDDY RUDDER UTIL. INLET TEMP DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP. DEG.C | 5-05 ENG.1 OIL TANK 1/3LEVEY TEMP DEG.C | 5-15 ACCESS GEAR BOX OIL TEMP DEG.C | 5-16 MAIN G.BOX COOLER INLET OIL TEMP DEG.C |
|-----------------------|----------------------|--|---|---|--|--|--|---|--|---|---|--|
| 64 | 0 | -14 | -18 | 44 | 49 | -12 | -21 | -18 | 11 | -3 | 53 | -27 |
| 65 | 0 | * | * | * | * | * | * | * | * | * | * | * |
| 98 | 0.4 | -16 | -15 | -7 | -10 | -16 | -26 | -24 | -3 | -10 | -6 | -26 |
| 112 | 4 | -31 | -16 | -8 | -10 | -16 | -26 | -25 | -3 | -18 | -7 | -26 |
| 113 | 4 | -31 | -30 | -33 | -33 | -30 | -34 | -33 | -38 | -24 | -28 | -34 |
| 128 | 9 | -34 | -28 | -33 | -33 | -30 | -33 | -34 | -31 | -24 | -28 | -34 |
| 129 | 9 | -34 | -32 | -36 | -36 | -32 | -36 | -36 | -35 | -31 | -34 | -36 |
| 159 | 14 | -35 | -32 | -36 | -36 | -35 | -37 | -36 | -36 | -34 | -35 | -38 |
| 160 | 14 | -27 | -27 | -32 | -31 | -27 | -34 | -34 | -32 | -33 | -38 | -31 |
| 189 | 19 | -27 | -27 | -32 | -32 | -26 | -34 | -34 | -32 | -32 | -38 | -33 |
| 190 | 19 | -29 | -28 | -34 | -34 | -28 | -35 | -35 | -34 | -33 | -32 | -33 |
| 224 | 24 | -29 | -28 | -34 | -34 | -28 | -35 | -35 | -34 | -34 | -32 | -33 |
| 225 | 24 | -24 | -27 | -32 | -31 | -24 | -33 | -33 | -31 | -31 | -29 | -31 |
| 249 | 24 | -29 | -27 | -31 | -31 | -24 | -33 | -33 | -31 | -31 | -29 | -31 |
| 250 | 24 | -29 | -32 | -37 | -37 | -28 | -39 | -38 | -37 | -36 | -36 | -36 |
| | 24 | -29 | -32 | -37 | -37 | -28 | -38 | -38 | -36 | -38 | -37 | -37 |

HH-53C S/N 68-10354
 ARCTIC TEST
 13-15 JANUARY 1971
 RUN NO. 3 -40 DEG C/ -40 DEG F

| | | | | | | | | | | | | |
|-------|------|--------|--------|-------|-------|--------|--------|--------|--------|---------|--------|-------|
| -01 | 3-02 | 5-17 | 5-18 | 5-19 | 5-20 | 5-23 | 5-24 | 5-25 | 5-26 | 5-27 | 5-28 | 5-29 |
| SHEEP | TIME | MAIN | INTER. | TAIL | GEN.1 | L.ELEC | L.ELEC | R.ELEC | R.ELEC | R.ELEC | L.MAIN | GEN.2 |
| COUNT | HRS. | COOLER | GEAR | GEAR | MASS | COMPT | COMPT | COMPT | COMPT | COMPT | FUEL | MASS |
| | | OUTLET | BOX | BOX | TEMP | BTM RT | BTMFLT | LEFT | CENTER | FWD AIR | 1/3LVL | TEMP |
| | | OIL | OIL | OIL | TEMP | AIR | AIR | AFTAIR | AIR | TEMP | TEMP | TEMP |
| | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 64 | 0 | -27 | -26 | -16 | 0 | -14 | -18 | -15 | -15 | -16 | 5 | 4 |
| 65 | 0 | * | * | * | * | * | * | * | * | * | * | * |
| 98 | 0.4 | -26 | -30 | -23 | 8 | -18 | -21 | -19 | -20 | -21 | 6 | 5 |
| 99 | 0.4 | -27 | -30 | -24 | 8 | -18 | -22 | -19 | -21 | -22 | 5 | 5 |
| 112 | 4 | -32 | -35 | -34 | -25 | -31 | -31 | -30 | -31 | -31 | 0 | -26 |
| 113 | 4 | -34 | -35 | -34 | -26 | -30 | -30 | -30 | -30 | -30 | 0 | -25 |
| 128 | 9 | -36 | -37 | -36 | -32 | -34 | -35 | -35 | -35 | -34 | -5 | -32 |
| 129 | 9 | -36 | -39 | -38 | -35 | -35 | -36 | -36 | -36 | -35 | -7 | -34 |
| 159 | 14 | -31 | -35 | -34 | -32 | -32 | -32 | -31 | -32 | -32 | -8 | -32 |
| 160 | 14 | -31 | -35 | -34 | -32 | -31 | -31 | -31 | -31 | -31 | -9 | -31 |
| 189 | 19 | -33 | -36 | -35 | -32 | -32 | -33 | -32 | -32 | -33 | -14 | -32 |
| 190 | 19 | -33 | -36 | -35 | -33 | -33 | -33 | -32 | -33 | -33 | -14 | -32 |
| 224 | 24 | -31 | -33 | -34 | -30 | -31 | -32 | -31 | -33 | -33 | -13 | -29 |
| 225 | 24 | -31 | -33 | -33 | -30 | -31 | -31 | -31 | -31 | -31 | -13 | -29 |
| 249 | 24 | -36 | -39 | -38 | -37 | -36 | -36 | -36 | -36 | -36 | -14 | -27 |
| 250 | 24 | -36 | -39 | -38 | -36 | -36 | -36 | -36 | -36 | -36 | -24 | -27 |

HH-53C S/N 60-10354
 ARCTIC TEST
 13-15 JANUARY 1971
 RUN NO. 3 -40 DEG C/ -80 DEG F

| -01 SLEEP COUNT | 3-02 TIME HRS. | 6-21 | | 6-22 | | 6-23 | | 6-24 | | 7-05 | | 7-06 | | 7-07 | | 7-08 | | 7-09 | | 7-10 | | 7-11 | | |
|-----------------------|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR LOWER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR LOWER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C | ENG.1 COMPR UPPER FWD AIRTMP DEG.C |
| 64 | 0 | -23 | -34 | -23 | -33 | -23 | -33 | -14 | -14 | -14 | -14 | -14 | -14 | -14 | -14 | -12 | -12 | -8 | -8 | -7 | -7 | -17 | -17 | |
| 65 | 0 | -24 | -32 | -25 | -30 | -25 | -30 | -19 | -19 | -19 | -19 | -19 | -19 | -19 | -18 | -16 | -13 | -13 | -16 | -16 | -16 | -16 | -17 | -17 |
| 98 | 0.4 | -25 | -32 | -25 | -30 | -25 | -30 | -19 | -19 | -19 | -19 | -19 | -19 | -19 | -19 | -16 | -16 | -14 | -14 | -14 | -14 | -16 | -16 | |
| 99 | 0.4 | -25 | -32 | -25 | -30 | -25 | -30 | -19 | -19 | -19 | -19 | -19 | -19 | -19 | -19 | -16 | -16 | -14 | -14 | -14 | -14 | -16 | -16 | |
| 112 | 4 | -32 | -34 | -32 | -34 | -32 | -34 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -24 | -24 | -24 | -24 | -24 | -24 | -23 | -23 | |
| 113 | 4 | -32 | -34 | -32 | -34 | -32 | -34 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -24 | -24 | -24 | -24 | -24 | -24 | -23 | -23 | |
| 126 | 9 | -36 | -36 | -35 | -37 | -35 | -37 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -24 | -24 | -24 | -24 | -24 | -24 | -28 | -28 | |
| 129 | 9 | -37 | -37 | -36 | -37 | -36 | -37 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -24 | -24 | -24 | -24 | -24 | -24 | -28 | -28 | |
| 159 | 14 | -31 | -33 | -31 | -32 | -31 | -32 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -26 | -26 | -26 | -26 | -26 | -26 | -29 | -29 | |
| 160 | 14 | -31 | -33 | -31 | -32 | -31 | -32 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -26 | -26 | -26 | -26 | -26 | -26 | -29 | -29 | |
| 189 | 19 | -34 | -35 | -33 | -34 | -33 | -34 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -27 | -27 | |
| 190 | 19 | -33 | -35 | -34 | -35 | -34 | -35 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -27 | -27 | |
| 224 | 24 | -31 | -32 | -31 | -31 | -31 | -31 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | |
| 225 | 24 | -31 | -32 | -31 | -31 | -31 | -31 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | |
| 249 | 86 | -30 | -39 | -37 | -38 | -37 | -38 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -31 | -31 | -30 | -30 | -30 | -30 | -30 | -30 | |
| 250 | 86 | -30 | -38 | -37 | -38 | -37 | -38 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -31 | -31 | -30 | -30 | -30 | -30 | -30 | -30 | |

MM-51C S/N 68-10354
 ARCTIC TEST
 13-15 JANUARY 1971
 RUN NO. 3 -40 DEG C / -40 DEG F

| -01 SNEEP COUNT | 3-02 TIME MRS. | 7-12 ENG.1 COMPRS CSE STG.3 3.00 DEG.C | 7-13 ENG.1 COMPRS CSE STG.3 4.30 DEG.C | 7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C | 7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C | 7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C | 7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C |
|-----------------------|----------------------|--|--|--|--|--|--|
| 64 | 0 | -19 | -14 | -15 | -14 | -14 | -14 |
| 65 | 0 | * | * | * | * | * | * |
| 90 | 0.4 | -21 | -17 | -17 | -18 | -17 | -18 |
| 99 | 0.4 | -22 | -18 | -18 | -18 | -17 | -18 |
| 112 | 4 | -24 | -23 | -23 | -23 | -23 | -24 |
| 113 | 4 | -23 | -23 | -23 | -23 | -23 | -23 |
| 128 | 9 | -27 | -27 | -27 | -27 | -27 | -25 |
| 129 | 9 | -27 | -26 | -26 | -27 | -27 | -27 |
| 159 | 14 | -26 | -28 | -28 | -28 | -28 | -28 |
| 160 | 14 | -26 | -27 | -28 | -28 | -28 | -28 |
| 189 | 19 | -27 | -27 | -28 | -27 | -27 | -28 |
| 190 | 19 | -27 | -27 | -27 | -28 | -27 | -27 |
| 224 | 24 | -28 | -29 | -30 | -30 | -30 | -30 |
| 225 | 24 | -29 | -30 | -30 | -30 | -30 | -30 |
| 249 | 28 | -29 | -30 | -30 | -30 | -30 | -30 |
| 250 | 28 | -29 | -30 | -30 | -30 | -30 | -30 |

MH-55C S/N 68-10354
 ARCTIC TEST
 15 JANUARY 1971
 RUN NO. 3 -40 DEG C/ -40 DEG F

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP DEG. C | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW LBS/HR | 1-07 ENG.1 TORQUE PERCENT | 1-08 ENG.1 TURB SPEED RPM | 1-09 ENG.1 TURB INLET TEMP (I-5) DEG. C | 1-10 ENG.2 RPM (NG) | 1-11 ENG.2 FUEL FLOW LBS/HR | 1-12 ENG.2 TORQUE PERCENT | 1-13 ENG.2 TURB SPEED RPM |
|-----------------------|----------------------|----------------------|--|------------------------------|---|------------------------------------|---------------------------------------|---|------------------------------|---|------------------------------------|---------------------------------------|
| 272 | 11 | 28 | -30 | * | * | * | * | * | * | * | * | * |
| 273 | 11 | 47 | -30 | * | * | * | * | * | * | * | * | * |
| 274 | 12 | 7 | -30 | * | * | * | * | * | * | * | * | * |
| 275 | 12 | 27 | -30 | * | * | * | * | * | * | * | * | * |
| 276 | 12 | 45 | -30 | * | * | * | * | * | * | * | * | * |
| 277 | 13 | 5 | -30 | * | * | * | * | * | * | * | * | * |
| 278 | 13 | 24 | -30 | * | * | * | * | * | * | * | * | * |
| 279 | 13 | 44 | -30 | * | * | * | * | * | * | * | * | * |
| 280 | 14 | 3 | -30 | * | * | * | * | * | * | * | * | * |
| 281 | 14 | 23 | -30 | * | * | * | * | * | * | * | * | * |
| 282 | 14 | 42 | -30 | * | * | * | * | * | * | * | * | * |
| 283 | 15 | 2 | -30 | * | * | * | * | * | * | * | * | * |
| 284 | 15 | 21 | -30 | * | * | * | * | * | * | * | * | * |
| 285 | 15 | 41 | -30 | * | * | * | * | * | * | * | * | * |
| 286 | 16 | 0 | -30 | * | * | * | * | * | * | * | * | * |
| 287 | 16 | 20 | -30 | * | * | * | * | * | * | * | * | * |
| 288 | 16 | 39 | -30 | * | * | * | * | * | * | * | * | * |
| 289 | 16 | 58 | -30 | * | * | * | * | * | * | * | * | * |
| 290 | 17 | 18 | -30 | * | * | * | * | * | * | * | * | * |
| 291 | 17 | 37 | -30 | * | * | * | * | * | * | * | * | * |
| 292 | 17 | 57 | -30 | * | * | * | * | * | * | * | * | * |
| 293 | 18 | 16 | -30 | * | * | * | * | * | * | * | * | * |
| 294 | 18 | 35 | -30 | * | * | * | * | * | * | * | * | * |
| 295 | 18 | 55 | -30 | * | * | * | * | * | * | * | * | * |
| 296 | 19 | 14 | -30 | * | * | * | * | * | * | * | * | * |
| 297 | 19 | 33 | -30 | * | * | * | * | * | * | * | * | * |
| 298 | 19 | 53 | -30 | * | * | * | * | * | * | * | * | * |
| 299 | 20 | 12 | -30 | * | * | * | * | * | * | * | * | * |
| 300 | 20 | 32 | -30 | * | * | * | * | * | * | * | * | * |
| 301 | 20 | 51 | -30 | * | * | * | * | * | * | * | * | * |
| 302 | 21 | 10 | -30 | * | * | * | * | * | * | * | * | * |
| 303 | 21 | 30 | -30 | * | * | * | * | * | * | * | * | * |
| 304 | 21 | 49 | -30 | * | * | * | * | * | * | * | * | * |
| 305 | 22 | 9 | -30 | * | * | * | * | * | * | * | * | * |
| 306 | 22 | 28 | -30 | * | * | * | * | * | * | * | * | * |
| 307 | 22 | 48 | -30 | * | * | * | * | * | * | * | * | * |
| 308 | 23 | 7 | -30 | * | * | * | * | * | * | * | * | * |
| 309 | 23 | 26 | -30 | * | * | * | * | * | * | * | * | * |
| 310 | 23 | 46 | -30 | * | * | * | * | * | * | * | * | * |
| 311 | 24 | 5 | -30 | * | * | * | * | * | * | * | * | * |
| 312 | 24 | 25 | -31 | * | * | * | * | * | * | * | * | * |
| 313 | 24 | 44 | -31 | * | * | * | * | * | * | * | * | * |
| 314 | 25 | 4 | -31 | * | * | * | * | * | * | * | * | * |
| 315 | 25 | 23 | -31 | * | * | * | * | * | * | * | * | * |
| 316 | 25 | 43 | -31 | * | * | * | * | * | * | * | * | * |

| -01 SHEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW | 1-07 ENG.1 TORQUE | 1-08 ENG.1 POKER TURB SPEED RPM | 1-09 ENG.1 TURB INLET TEMP (1-5) | 1-10 ENG.2 RPM (NG) | 1-11 ENG.2 FUEL FLOW | 1-12 ENG.2 TORQUE | 1-13 ENG.2 POKER TURB SPEED RPM |
|-----------------------|----------------------|----------------------|------------------------------------|------------------------------|-------------------------------|-------------------------|--|---|------------------------------|-------------------------------|-------------------------|--|
| | | | DEG.C | PERCENT | LBS/HR | PERCENT | PERCENT | DEG.C | PERCENT | LBS/HR | PERCENT | PERCENT |
| 367 | 42 | 33 | -31 | * | * | * | * | * | * | * | * | * |
| 368 | 42 | 53 | -31 | * | * | * | * | * | * | * | * | * |
| 369 | 43 | 13 | -31 | * | * | * | * | * | * | * | * | * |
| 370 | 43 | 33 | -31 | * | * | * | * | * | * | * | * | * |
| 371 | 43 | 53 | -31 | * | * | * | * | * | * | * | * | * |
| 372 | 44 | 13 | -31 | * | * | * | * | * | * | * | * | * |
| 373 | 44 | 33 | -31 | * | * | * | * | * | * | * | * | * |
| 374 | 44 | 53 | -31 | * | * | * | * | * | * | * | * | * |
| 375 | 45 | 13 | -31 | * | * | * | * | * | * | * | * | * |
| 376 | 45 | 33 | -31 | * | * | * | * | * | * | * | * | * |
| 377 | 45 | 53 | -31 | * | * | * | * | * | * | * | * | * |
| 378 | 46 | 13 | -31 | * | * | * | * | * | * | * | * | * |
| 379 | 46 | 33 | -31 | * | * | * | * | * | * | * | * | * |
| 380 | 46 | 53 | -31 | * | * | * | * | * | * | * | * | * |
| 381 | 47 | 13 | -31 | * | * | * | * | * | * | * | * | * |
| 382 | 47 | 33 | -31 | * | * | * | * | * | * | * | * | * |
| 383 | 47 | 53 | -31 | * | * | * | * | * | * | * | * | * |
| 384 | 48 | 13 | -31 | * | * | * | * | * | * | * | * | * |
| 385 | 48 | 34 | -31 | * | * | * | * | * | * | * | * | * |
| 386 | 48 | 54 | -31 | * | * | * | * | * | * | * | * | * |
| 387 | 49 | 14 | -31 | * | * | * | * | * | * | * | * | * |
| 388 | 49 | 34 | -31 | * | * | * | * | * | * | * | * | * |
| 389 | 49 | 54 | -31 | * | * | * | * | * | * | * | * | * |
| 390 | 50 | 14 | -31 | * | * | * | * | * | * | * | * | * |
| 391 | 50 | 34 | -31 | * | * | * | * | * | * | * | * | * |
| 392 | 50 | 54 | -31 | * | * | * | * | * | * | * | * | * |
| 393 | 51 | 14 | -31 | * | * | * | * | * | * | * | * | * |
| 394 | 51 | 35 | -31 | * | * | * | * | * | * | * | * | * |
| 395 | 51 | 55 | -31 | * | * | * | * | * | * | * | * | * |
| 396 | 52 | 15 | -31 | * | * | * | * | * | * | * | * | * |
| 397 | 52 | 35 | -31 | * | * | * | * | * | * | * | * | * |
| 398 | 52 | 55 | -31 | * | * | * | * | * | * | * | * | * |
| 399 | 53 | 15 | -31 | * | * | * | * | * | * | * | * | * |
| 400 | 53 | 35 | -31 | * | * | * | * | * | * | * | * | * |
| 401 | 53 | 55 | -31 | * | * | * | * | * | * | * | * | * |
| 402 | 54 | 16 | -31 | * | * | * | * | * | * | * | * | * |
| 403 | 54 | 36 | -31 | * | * | * | * | * | * | * | * | * |
| 404 | 54 | 56 | -31 | * | * | * | * | * | * | * | * | * |
| 405 | 55 | 16 | -31 | * | * | * | * | * | * | * | * | * |
| 406 | 55 | 36 | -31 | * | * | * | * | * | * | * | * | * |
| 407 | 55 | 56 | -31 | * | * | * | * | * | * | * | * | * |
| 408 | 56 | 16 | -31 | * | * | * | * | * | * | * | * | * |
| 409 | 56 | 37 | -31 | * | * | * | * | * | * | * | * | * |
| 410 | 56 | 57 | -31 | * | * | * | * | * | * | * | * | * |
| 411 | 57 | 17 | -31 | * | * | * | * | * | * | * | * | * |
| 412 | 57 | 37 | -31 | * | * | * | * | * | * | * | * | * |
| 413 | 57 | 57 | -31 | * | * | * | * | * | * | * | * | * |
| 414 | 58 | 17 | -31 | * | * | * | * | * | * | * | * | * |
| 415 | 58 | 37 | -31 | * | * | * | * | * | * | * | * | * |
| 415 | 58 | 57 | -31 | * | * | * | * | * | * | * | * | * |

| SWL COUNT | 1-07 TIME MIN. | 1-03 TIME SEC. | 1-04 IND FACE AIR TEMP DEG.C | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW LBS/HR | 1-07 ENG.1 TORQUE PERCENT | 1-08 ENG.1 POWER TURB SPEED RPM PERCENT | 1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C | 1-10 ENG.2 RPM (NG) PERCENT | 1-11 ENG.2 FUEL FLOW LBS/HR | 1-12 ENG.2 TORQUE PERCENT | 1-13 ENG.2 POWER TURB SPEED RPM PERCENT |
|--------------|----------------------|----------------------|---|------------------------------|---|------------------------------------|---|--|---|---|------------------------------------|---|
| 417 | 59 | 17 | -30 | * | * | * | * | * | 60 | 753 | 42 | 63 |
| 418 | 59 | 37 | -30 | * | * | * | * | * | 78 | 753 | 34 | 96 |
| 419 | 59 | 57 | -29 | * | * | * | * | * | 65 | 655 | 38 | 104 |
| 420 | 60 | 17 | -29 | * | * | * | * | * | 60 | 631 | 37 | 104 |
| 421 | 60 | 37 | -24 | * | * | * | * | * | 80 | 623 | 36 | 104 |
| 422 | 60 | 56 | -24 | * | * | * | * | * | 80 | 819 | 36 | * |
| 423 | 61 | 16 | -27 | * | * | * | * | * | 81 | 811 | 35 | * |
| 424 | 61 | 36 | -27 | * | * | * | * | * | 80 | 804 | 35 | * |
| 425 | 61 | 56 | -27 | 22 | * | * | * | 243 | 60 | 623 | 37 | * |
| 426 | 62 | 18 | -26 | 46 | 259 | 3 | 25 | 307 | 60 | 807 | 35 | * |
| 427 | 62 | 38 | -26 | 66 | 339 | 3 | 322 | 307 | 60 | 799 | 35 | * |
| 428 | 62 | 58 | -26 | 67 | 334 | 3 | 71 | 307 | 60 | 799 | 35 | * |
| 429 | 63 | 18 | -25 | 67 | 327 | 3 | 73 | 307 | 61 | 797 | 34 | * |
| 430 | 63 | 39 | -25 | 67 | 324 | 3 | 73 | 305 | 60 | 794 | 34 | * |
| 431 | 63 | 59 | -25 | 66 | 324 | 2 | 73 | 307 | 60 | 799 | 35 | 105 |
| 432 | 64 | 19 | -25 | 65 | 324 | 2 | 73 | 307 | 60 | 794 | 35 | 105 |
| 433 | 64 | 39 | -25 | 70 | 462 | 4 | 88 | 326 | 78 | 792 | 34 | * |
| 434 | 64 | 59 | -24 | 70 | 717 | 22 | 104 | 349 | 78 | 792 | 34 | * |
| 435 | 65 | 19 | -24 | 75 | 487 | 5 | 103 | 322 | 61 | 763 | 33 | 105 |
| 436 | 65 | 39 | -24 | 79 | 758 | 25 | 103 | 368 | 79 | 864 | 18 | 105 |
| 437 | 65 | 59 | -23 | 80 | 913 | 38 | * | 483 | 73 | 378 | 1 | 105 |
| 438 | 66 | 19 | -23 | 77 | 639 | 19 | * | 331 | 79 | 615 | 17 | * |
| 439 | 66 | 39 | -22 | 79 | 664 | 19 | 105 | 346 | 78 | 628 | 19 | * |
| 440 | 66 | 59 | -22 | 78 | 659 | 19 | 105 | 342 | 78 | 620 | 19 | * |
| 441 | 67 | 19 | -22 | 79 | 656 | 19 | 105 | 346 | 79 | 613 | 18 | * |
| 442 | 67 | 39 | -22 | 78 | 668 | 20 | 105 | 349 | 79 | 610 | 18 | * |
| 443 | 67 | 59 | -22 | 75 | 656 | 19 | 105 | 343 | 78 | 615 | 18 | * |
| 444 | 68 | 19 | -22 | 77 | 659 | 19 | 105 | 344 | 78 | 615 | 18 | * |
| 445 | 68 | 39 | -22 | 78 | 664 | 20 | 105 | 343 | 77 | 615 | 18 | * |
| 446 | 68 | 59 | -22 | 78 | 659 | 20 | 105 | 343 | 77 | 613 | 18 | * |
| 447 | 69 | 19 | -22 | 78 | 668 | 19 | 105 | 349 | 78 | 615 | 18 | * |
| 448 | 69 | 39 | -22 | 78 | 656 | 19 | 105 | 344 | 78 | 608 | 18 | * |
| 449 | 70 | 0 | -22 | 79 | 659 | 19 | 105 | 347 | 78 | 608 | 17 | * |
| 450 | 70 | 20 | -22 | 78 | 661 | 20 | 105 | 346 | 78 | 610 | 18 | * |
| 451 | 70 | 40 | -22 | 78 | 659 | 19 | 105 | 346 | 78 | 610 | 18 | * |
| 452 | 71 | 0 | -21 | 78 | 659 | 19 | 105 | 346 | 78 | 615 | 18 | * |
| 453 | 71 | 20 | -21 | 78 | 656 | 19 | 105 | 346 | 77 | 608 | 18 | * |
| 454 | 71 | 40 | -22 | 78 | 659 | 19 | 105 | 347 | 78 | 606 | 18 | * |
| 455 | 72 | 0 | -22 | 79 | 678 | 21 | 105 | 346 | 78 | 627 | 19 | * |
| 456 | 72 | 20 | -21 | 78 | 671 | 21 | 105 | 353 | 78 | 618 | 18 | * |
| 457 | 72 | 40 | -21 | 79 | 666 | 20 | 105 | 346 | 78 | 598 | 17 | * |
| 458 | 73 | 1 | -21 | 78 | 668 | 20 | 105 | 347 | 78 | 618 | 18 | * |
| 459 | 73 | 21 | -21 | 78 | 668 | 20 | 105 | 346 | 77 | 608 | 17 | * |
| 460 | 73 | 41 | -21 | 78 | 664 | 20 | 105 | 346 | 78 | 608 | 18 | * |
| 461 | 74 | 1 | -21 | 79 | 666 | 21 | 105 | 343 | 78 | 618 | 17 | * |
| 462 | 74 | 21 | -21 | 78 | 666 | 20 | 105 | 343 | 78 | 601 | 17 | * |
| 463 | 74 | 41 | -20 | 78 | 666 | 20 | 105 | 346 | 79 | 601 | 17 | * |
| 464 | 75 | 1 | -20 | 77 | 604 | 20 | 105 | 347 | 77 | 601 | 18 | * |
| 465 | 75 | 22 | -20 | 78 | 666 | 20 | 105 | 346 | 79 | 618 | 18 | * |
| 466 | 75 | 42 | -21 | 80 | 744 | 26 | 105 | 369 | 80 | 697 | 24 | * |

| 1-01 SHEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW | 1-07 ENG.1 TORQUE | 1-08 ENG.1 TURB SPEED RPM | 1-09 ENG.1 TURB INLET TEMP (T-5) | 1-10 ENG.2 RPM (NG) | 1-11 ENG.2 FUEL FLOW | 1-12 ENG.2 TORQUE | 1-13 ENG.2 TURB SPEED RPM |
|------------------------|----------------------|----------------------|------------------------------------|------------------------------|-------------------------------|-------------------------|---------------------------------------|---|------------------------------|-------------------------------|-------------------------|---------------------------------------|
| | | | DEG.C | PERCENT | LBS/HR | PERCENT | PERCENT | DEG.C | PERCENT | LBS/HR | PERCENT | PERCENT |
| 457 | 76 | 2 | -21 | 79 | 763 | 26 | * | 361 | 60 | 714 | 25 | * |
| 468 | 76 | 22 | -21 | 79 | 727 | 29 | 105 | 365 | 61 | 690 | * | * |
| 469 | 76 | 42 | -22 | 79 | 729 | 29 | 105 | 367 | 79 | 678 | 24 | * |
| 470 | 77 | 3 | -22 | 77 | 702 | 23 | * | 355 | 80 | 678 | 23 | * |
| 471 | 77 | 23 | -23 | 77 | 712 | 23 | 105 | 357 | 80 | 693 | 25 | * |
| 472 | 77 | 43 | -24 | 78 | 685 | 21 | * | 340 | 79 | 654 | 21 | * |
| 473 | 78 | 3 | -25 | 79 | 717 | 23 | 105 | 348 | 82 | 666 | 22 | * |
| 474 | 78 | 23 | -25 | 78 | 683 | 21 | * | 343 | 79 | 639 | 19 | * |
| 475 | 79 | 43 | -26 | 79 | 697 | 22 | * | 346 | 80 | 656 | 22 | * |
| 476 | 79 | 4 | -26 | 79 | 690 | 22 | * | 344 | 78 | 654 | 21 | * |
| 477 | 79 | 24 | -26 | 78 | 666 | 20 | * | 347 | 79 | 634 | 19 | * |
| 478 | 79 | 44 | -25 | 77 | 573 | 20 | * | 359 | 79 | 659 | 23 | * |
| 479 | 80 | 4 | -24 | 75 | 578 | 21 | * | 355 | 78 | 651 | 21 | * |
| 480 | 80 | 25 | -25 | 79 | 666 | 20 | 105 | 349 | 78 | 654 | 21 | * |
| 481 | 80 | 45 | -24 | 78 | 685 | 22 | 105 | 350 | 80 | 620 | 17 | * |
| 482 | 81 | 5 | -24 | 79 | 717 | 24 | * | 349 | 82 | 656 | 21 | * |
| 483 | 81 | 26 | -25 | 78 | 685 | 21 | 105 | 349 | 75 | 637 | 20 | * |
| 484 | 81 | 46 | -26 | 79 | 668 | 22 | 105 | 342 | 79 | 648 | 21 | * |
| 485 | 82 | 6 | -26 | 84 | 1117 | 58 | * | 455 | 86 | 1199 | 72 | * |
| 486 | 82 | 26 | -26 | 86 | 1308 | 70 | * | 520 | 87 | 1177 | 69 | * |
| 487 | 82 | 47 | -27 | 86 | 1330 | 75 | 105 | 518 | 86 | 1231 | 75 | * |
| 488 | 83 | 7 | -20 | 85 | 1291 | 71 | 105 | 519 | 87 | 1485 | 70 | * |
| 489 | 83 | 27 | -18 | 85 | 1197 | 62 | 105 | 515 | 86 | 1863 | 58 | * |
| 490 | 83 | 48 | -17 | 83 | 920 | 39 | * | 448 | 85 | 785 | 34 | * |
| 491 | 84 | 8 | -17 | 81 | 925 | 40 | * | 439 | 82 | 782 | 34 | * |
| 492 | 84 | 28 | -18 | 82 | 954 | 43 | * | 441 | 84 | 814 | 36 | * |
| 493 | 84 | 48 | -19 | 83 | 1013 | 48 | * | 457 | 82 | 814 | 42 | * |
| 494 | 85 | 8 | -21 | 82 | 1051 | 51 | * | 453 | 86 | 1025 | 56 | * |
| 495 | 85 | 29 | -20 | 85 | 1066 | 52 | * | 461 | 85 | 993 | 53 | * |
| 496 | 85 | 49 | -17 | 85 | 1059 | 51 | * | 463 | 86 | 993 | 52 | * |
| 497 | 86 | 9 | -17 | 83 | 1051 | 51 | * | 463 | 84 | 969 | 51 | 105 |
| 498 | 86 | 30 | -20 | 82 | 1071 | 53 | 105 | 463 | 85 | 984 | 53 | * |
| 499 | 86 | 50 | -19 | 84 | 1063 | 52 | * | 462 | 84 | 981 | 53 | * |
| 500 | 87 | 10 | -20 | 84 | 1122 | 58 | 105 | 471 | 85 | 1042 | 56 | 105 |
| 501 | 87 | 30 | -23 | 83 | 1124 | 58 | * | 470 | 84 | 1034 | 56 | * |
| 502 | 87 | 51 | -26 | 83 | 1131 | 59 | 105 | 465 | 85 | 1049 | 61 | * |
| 503 | 88 | 11 | -22 | 83 | 1112 | 56 | * | 465 | 85 | 1037 | 61 | * |
| 504 | 88 | 31 | -22 | 83 | 1119 | 57 | 105 | 468 | 85 | 1042 | 61 | * |
| 505 | 88 | 52 | -23 | 84 | 1119 | 57 | 105 | 465 | 86 | 1044 | 59 | * |
| 506 | 89 | 12 | -20 | 84 | 1112 | 57 | 105 | 470 | 85 | 1037 | 59 | * |
| 507 | 89 | 32 | -27 | 83 | 1148 | 62 | 104 | 471 | 85 | 1088 | 65 | * |
| 508 | 89 | 53 | -18 | 84 | 1148 | 60 | 104 | 479 | 86 | 1076 | 62 | * |
| 509 | 90 | 13 | -18 | 84 | 1158 | 61 | 105 | 488 | 86 | 1088 | 63 | * |
| 510 | 90 | 33 | -19 | 84 | 1165 | 61 | 104 | 486 | 86 | 1083 | 63 | * |
| 511 | 90 | 54 | -21 | 84 | 1162 | 63 | 105 | 479 | 96 | 1095 | 64 | * |
| 512 | 91 | 14 | -18 | 84 | 1141 | 59 | 104 | 483 | 84 | 1083 | 64 | 104 |
| 513 | 91 | 34 | -24 | 83 | 1112 | 60 | 102 | 465 | 84 | 979 | 55 | * |
| 514 | 91 | 55 | -21 | 93 | 1095 | 58 | 102 | 462 | 85 | 971 | 55 | * |
| 515 | 92 | 16 | -18 | 83 | 1073 | 56 | 102 | 466 | 84 | 969 | 53 | * |
| 516 | 92 | 36 | -19 | 81 | 1090 | 56 | 101 | 466 | 84 | 962 | 54 | 102 |

| SWEEP COUNT | TIME MIN. | TIME SEC. | 1-03 IND FREE AIR TEMP | 1-04 DEG-C | 1-05 RPM (NG) | 1-06 LBS/HR FUEL FLOW | 1-07 TORQUE PERCENT | 1-08 ENG.1 POWER TURB SPEED RPM | 1-09 ENG.1 INLET TEMP (T-5) | 1-10 ENG.2 RPM (NG) | 1-11 LBS/HR FUEL FLOW | 1-12 TORQUE PERCENT | 1-13 ENG.2 POWER TURB SPEED RPM | PERCENT |
|----------------|--------------|--------------|------------------------------------|---------------|---------------------|--------------------------------|---------------------------|--|---|------------------------------|--------------------------------|---------------------------|--|---------|
| | | | | | | | | | | | | | | |
| 517 | 92 | 57 | -17 | 1095 | 63 | 1095 | 58 | 101 | 476 | 65 | 983 | 55 | * | * |
| 518 | 93 | 20 | -17 | 1095 | 64 | 1095 | 57 | 101 | 478 | 65 | 986 | 55 | * | * |
| 519 | 95 | 37 | -17 | 1097 | 83 | 1097 | 58 | 101 | 476 | 64 | 972 | 55 | 102 | * |
| 520 | 95 | 58 | -17 | 1097 | 83 | 1097 | 58 | 101 | 477 | 65 | 974 | 55 | 102 | * |
| 521 | 96 | 19 | -17 | 1090 | 84 | 1090 | 58 | 102 | 476 | 65 | 969 | 55 | * | * |
| 522 | 96 | 39 | -16 | 1092 | 83 | 1092 | 57 | 101 | 477 | 64 | 969 | 55 | 101 | * |
| 523 | 97 | 0 | -19 | 1107 | 85 | 1107 | 59 | 101 | 471 | 65 | 979 | 56 | 102 | * |
| 524 | 97 | 20 | -21 | 1100 | 83 | 1100 | 58 | 100 | 465 | 64 | 964 | 55 | * | * |
| 525 | 97 | 41 | -20 | 1100 | 84 | 1100 | 59 | * | 466 | 64 | 969 | 55 | 102 | * |
| 526 | 98 | 1 | -18 | 1090 | 83 | 1090 | 58 | * | 468 | 64 | 964 | 54 | 102 | * |
| 527 | 98 | 22 | -18 | 1095 | 83 | 1095 | 58 | 102 | 478 | 64 | 969 | 54 | * | * |
| 528 | 98 | 43 | -19 | 1073 | 82 | 1073 | 56 | 101 | 471 | 63 | 937 | 54 | 101 | * |
| 529 | 99 | 3 | -18 | 1083 | 83 | 1083 | 58 | * | 470 | 75 | 957 | 54 | 102 | * |
| 530 | 99 | 24 | -18 | 1076 | 83 | 1076 | 56 | * | 467 | 84 | 945 | 53 | 101 | * |
| 531 | 99 | 44 | -18 | 1051 | 81 | 1051 | 54 | 101 | 467 | 83 | 896 | 48 | 101 | * |
| 532 | 100 | 5 | -21 | 986 | 49 | 986 | 44 | 102 | 446 | 82 | 848 | 44 | 103 | * |
| 533 | 100 | 25 | -28 | 1008 | 82 | 1008 | 50 | 101 | 430 | 82 | 878 | 46 | 101 | * |
| 534 | 101 | 46 | -30 | 1017 | 81 | 1017 | 52 | 102 | 431 | 82 | 879 | 47 | 102 | * |
| 535 | 101 | 6 | -30 | 1042 | 81 | 1042 | 56 | * | 429 | 82 | 838 | 53 | 101 | * |
| 536 | 101 | 27 | -30 | 1044 | 82 | 1044 | 55 | * | 432 | 82 | 945 | 53 | 101 | * |
| 537 | 101 | 47 | -31 | 1044 | 82 | 1044 | 55 | 101 | 431 | 82 | 942 | 54 | 101 | * |
| 538 | 102 | 8 | -29 | 1049 | 82 | 1049 | 55 | 101 | 432 | 82 | 952 | 54 | 101 | * |
| 539 | 102 | 29 | -28 | 1042 | 83 | 1042 | 54 | 101 | 434 | 82 | 948 | 53 | 102 | * |
| 540 | 102 | 49 | -24 | 1015 | 82 | 1015 | 52 | 101 | 445 | 82 | 913 | 51 | 102 | * |
| 541 | 103 | 10 | -27 | 887 | 80 | 887 | 31 | 101 | 418 | 79 | 741 | 23 | 102 | * |
| 542 | 103 | 30 | -30 | 1083 | 82 | 1083 | 59 | 101 | 425 | 83 | 976 | 56 | 101 | * |
| 543 | 103 | 51 | -30 | 1051 | 85 | 1051 | 54 | 101 | 432 | 82 | 933 | 51 | 102 | * |
| 544 | 104 | 11 | -28 | 1032 | 81 | 1032 | 53 | 101 | 431 | 81 | 928 | 50 | 102 | * |
| 545 | 104 | 32 | -25 | 1017 | 81 | 1017 | 51 | 102 | 432 | 82 | 908 | 47 | 102 | * |
| 546 | 104 | 52 | -28 | 1000 | 80 | 1000 | 50 | 101 | 424 | 84 | 896 | 47 | 102 | * |
| 547 | 105 | 12 | -28 | 996 | 80 | 996 | 49 | 101 | 422 | 82 | 884 | 47 | 102 | * |
| 548 | 105 | 33 | -27 | 996 | 81 | 996 | 49 | 101 | 427 | 82 | 884 | 47 | 101 | * |
| 549 | 105 | 53 | -28 | 1005 | 82 | 1005 | 51 | 101 | 426 | 82 | 894 | 48 | 101 | * |
| 550 | 106 | 14 | -26 | 996 | 82 | 996 | 49 | 101 | 427 | 83 | 884 | 46 | 102 | * |
| 551 | 106 | 34 | -29 | 1000 | 81 | 1000 | 51 | 102 | 425 | 81 | 884 | 47 | 102 | * |
| 552 | 106 | 55 | -25 | 991 | 81 | 991 | 49 | 101 | 427 | 82 | 874 | 45 | 102 | * |
| 553 | 107 | 15 | -27 | 1000 | 81 | 1000 | 50 | 101 | 426 | 82 | 884 | 47 | 102 | * |
| 554 | 107 | 36 | -29 | 1005 | 80 | 1005 | 50 | 102 | 424 | 86 | 889 | 47 | 101 | * |
| 555 | 107 | 56 | -28 | 1000 | 82 | 1000 | 50 | 102 | 426 | 86 | 882 | 47 | 102 | * |
| 556 | 108 | 17 | -29 | 1003 | 80 | 1003 | 50 | 101 | 426 | 81 | 882 | 46 | 102 | * |
| 557 | 108 | 37 | -28 | 1003 | 80 | 1003 | 50 | 101 | 424 | 81 | 877 | 47 | 102 | * |
| 558 | 108 | 58 | -28 | 988 | 81 | 988 | 48 | 102 | 424 | 81 | 867 | 45 | 102 | * |
| 559 | 109 | 18 | -28 | 1013 | 82 | 1013 | 50 | 101 | 427 | 81 | 894 | 47 | 101 | * |
| 560 | 109 | 39 | -29 | 1003 | 81 | 1003 | 50 | 101 | 422 | 82 | 887 | 47 | 102 | * |
| 561 | 109 | 59 | -28 | 988 | 82 | 988 | 49 | 101 | 422 | 81 | 874 | 46 | 102 | * |
| 562 | 110 | 19 | -30 | 1003 | 81 | 1003 | 50 | 102 | 424 | 81 | 887 | 47 | 101 | * |
| 563 | 110 | 40 | -27 | 988 | 81 | 988 | 49 | 101 | 425 | 85 | 877 | 46 | 101 | * |
| 564 | 111 | 0 | -28 | 998 | 81 | 998 | 46 | 102 | 426 | 82 | 882 | 46 | 101 | * |
| 565 | 111 | 21 | -29 | 998 | 81 | 998 | 50 | 102 | 426 | 81 | 887 | 47 | 101 | * |
| 566 | 111 | 41 | -27 | 976 | 81 | 976 | 47 | 101 | 424 | 82 | 865 | 44 | 101 | * |

| SHEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP | 1-05 ENG.1 RPM (ING) | 1-06 ENG.1 FUEL FLOW | 1-07 ENG.1 TORQUE | 1-08 ENG.1 TURB SPEED | 1-09 ENG.1 INLET TEMP | 1-10 ENG.2 RPM (ING) | 1-11 ENG.2 FUEL FLOW | 1-12 ENG.2 TORQUE | 1-13 ENG.2 TURB SPEED |
|----------------|----------------------|----------------------|------------------------------------|-------------------------------|-------------------------------|-------------------------|--------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------|--------------------------------|
| | | | | | | | | | | | | |
| 567 | 112 | 2 | -27 | 82 | 993 | 50 | 102 | 426 | 62 | 877 | 46 | 181 |
| 568 | 112 | 22 | -28 | 83 | 998 | 49 | 182 | 425 | 82 | 862 | 47 | 182 |
| 569 | 112 | 43 | -27 | 81 | 988 | 49 | 182 | 426 | 82 | 877 | 46 | 182 |
| 570 | 113 | 3 | -29 | 81 | 1000 | 50 | 103 | 422 | 81 | 887 | 47 | 182 |
| 571 | 113 | 24 | -29 | 81 | 998 | 50 | 102 | 416 | 81 | 891 | 47 | 182 |
| 572 | 113 | 44 | -28 | 81 | 993 | 50 | 102 | 421 | 81 | 884 | 47 | 182 |
| 573 | 114 | 4 | -28 | 81 | 996 | 49 | 102 | 420 | 82 | 884 | 46 | 182 |
| 574 | 114 | 25 | -27 | 82 | 996 | 49 | 102 | 422 | 82 | 884 | 47 | 182 |
| 575 | 114 | 45 | -26 | 81 | 993 | 48 | 102 | 426 | 85 | 884 | 46 | 182 |
| 576 | 115 | 5 | -28 | 81 | 983 | 48 | 183 | 426 | 82 | 877 | 46 | 183 |
| 577 | 115 | 26 | -28 | 81 | 985 | 49 | 102 | 421 | 82 | 879 | 46 | 182 |
| 578 | 115 | 46 | -28 | 80 | 993 | 50 | 102 | 422 | 81 | 882 | 46 | 182 |
| 579 | 116 | 7 | -27 | 82 | 993 | 49 | 103 | 421 | 81 | 887 | 47 | 182 |
| 580 | 116 | 27 | -28 | 80 | 993 | 49 | 102 | 422 | 81 | 879 | 46 | 182 |
| 581 | 116 | 47 | -27 | 81 | 986 | 49 | 102 | 424 | 81 | 879 | 47 | 183 |
| 582 | 117 | 8 | -27 | 81 | 993 | 49 | 102 | 422 | 82 | 867 | 45 | 182 |
| 583 | 117 | 28 | -26 | 82 | 971 | 47 | 102 | 424 | 84 | 877 | 46 | 182 |
| 584 | 117 | 48 | -24 | 82 | 988 | 49 | 102 | 429 | 83 | 918 | 52 | 182 |
| 585 | 118 | 9 | -25 | 83 | 1020 | 54 | 182 | 427 | 80 | 798 | 37 | 183 |
| 586 | 118 | 29 | -27 | 80 | 999 | 41 | 102 | 486 | 85 | 923 | 50 | 183 |
| 587 | 118 | 49 | -26 | 82 | 1029 | 53 | 102 | 431 | 85 | 923 | 50 | 183 |
| 588 | 119 | 10 | -27 | 82 | 1029 | 53 | 102 | 432 | 85 | 923 | 50 | 183 |
| 589 | 119 | 30 | -26 | 81 | 1020 | 52 | 102 | 431 | 85 | 923 | 50 | 183 |
| 590 | 119 | 51 | -28 | 81 | 1025 | 53 | 101 | 434 | 82 | 911 | 49 | 181 |
| 591 | 120 | 11 | -27 | 82 | 1010 | 50 | 102 | 427 | 82 | 896 | 47 | 181 |
| 592 | 120 | 31 | -28 | 81 | 1008 | 50 | 102 | 426 | 82 | 884 | 47 | 181 |
| 593 | 120 | 52 | -27 | 82 | 1015 | 52 | 101 | 426 | 83 | 899 | 48 | 182 |
| 594 | 121 | 12 | -27 | 82 | 1015 | 51 | 102 | 426 | 81 | 899 | 48 | 182 |
| 595 | 121 | 32 | -26 | 81 | 1005 | 51 | 181 | 431 | 82 | 891 | 47 | 181 |
| 596 | 121 | 53 | -25 | 81 | 976 | 48 | 103 | 426 | 82 | 867 | 44 | 181 |
| 597 | 122 | 13 | -26 | 82 | 983 | 48 | 103 | 426 | 81 | 860 | 44 | 181 |
| 598 | 122 | 33 | -26 | 82 | 981 | 48 | 102 | 422 | 82 | 865 | 44 | 184 |
| 599 | 122 | 54 | -26 | 82 | 988 | 48 | 103 | 421 | 82 | 872 | 45 | 184 |
| 600 | 123 | 34 | -25 | 82 | 988 | 48 | 103 | 424 | 82 | 867 | 45 | 181 |
| 601 | 123 | 55 | -25 | 82 | 983 | 48 | 103 | 425 | 82 | 862 | 44 | 182 |
| 602 | 124 | 15 | -25 | 82 | 983 | 47 | 103 | 426 | 82 | 853 | 44 | 182 |
| 603 | 124 | 35 | -25 | 82 | 969 | 46 | 103 | 439 | 82 | 843 | 42 | 182 |
| 604 | 124 | 56 | -25 | 82 | 969 | 47 | 103 | 440 | 82 | 845 | 42 | 182 |
| 605 | 125 | 16 | -25 | 82 | 959 | 47 | 103 | 445 | 82 | 845 | 42 | 182 |
| 606 | 125 | 36 | -25 | 83 | 964 | 46 | 102 | 445 | 83 | 838 | 41 | 183 |
| 607 | 125 | 57 | -25 | 82 | 959 | 46 | 102 | 445 | 83 | 833 | 41 | 183 |
| 608 | 126 | 17 | -25 | 83 | 950 | 44 | 102 | 443 | 82 | 828 | 41 | 182 |
| 609 | 126 | 37 | -25 | 85 | 1114 | 60 | 102 | 481 | 82 | 819 | 39 | 182 |
| 610 | 127 | 58 | -25 | 84 | 1100 | 58 | 101 | 479 | 86 | 993 | 57 | 182 |
| 611 | 127 | 18 | -25 | 84 | 1090 | 57 | 102 | 478 | 85 | 976 | 55 | 182 |
| 612 | 127 | 38 | -25 | 84 | 1098 | 58 | 101 | 482 | 85 | 962 | 54 | 181 |
| 613 | 127 | 59 | -25 | 84 | 1097 | 58 | 102 | 482 | 88 | 957 | 53 | 181 |
| 614 | 128 | 19 | -25 | 85 | 1095 | 58 | 103 | 478 | 85 | 954 | 53 | 181 |
| 615 | 128 | 40 | -25 | 86 | 1100 | 58 | 103 | 476 | 86 | 947 | 51 | 182 |
| 616 | 129 | 0 | -25 | 84 | 1061 | 54 | 102 | 467 | 85 | 884 | 47 | 182 |

| SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP DEG.C | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW LBS/HR | 1-07 ENG.1 TORQUE PERCENT | 1-08 ENG.1 POWER TURB SPEED RPM PERCENT | 1-09 ENG.1 TUB INLET TEMP (T-5) DEG.C | 1-10 ENG.2 RPM (NG) PERCENT | 1-11 ENG.2 FUEL FLOW LBS/HR | 1-12 ENG.2 TORQUE PERCENT | 1-13 ENG.2 POWER TURB SPEED RPM PERCENT |
|----------------|----------------------|----------------------|---|------------------------------|---|------------------------------------|---|---|---|---|------------------------------------|---|
| 617 | 139 | 20 | * | 82 | 901 | 40 | 102 | 437 | 62 | 770 | 35 | * |
| 618 | 129 | 40 | * | 80 | 819 | 34 | 103 | 415 | 82 | 603 | 28 | 103 |
| 619 | 130 | 1 | * | 80 | 833 | 34 | * | 411 | 80 | 710 | 29 | * |
| 620 | 130 | 21 | * | 80 | 850 | 36 | * | 409 | 81 | 722 | 38 | * |
| 621 | 130 | 41 | * | 91 | 782 | 30 | 103 | 396 | 79 | 642 | 22 | 102 |
| 622 | 131 | 1 | * | 88 | 802 | 34 | 103 | 374 | 80 | 782 | 29 | 102 |
| 623 | 131 | 22 | * | 83 | 1107 | 54 | * | 445 | 85 | 1095 | 59 | 102 |
| 624 | 131 | 42 | * | 84 | 1119 | 59 | * | 466 | 86 | 1073 | 61 | 101 |
| 625 | 132 | 2 | * | 81 | 879 | 21 | * | 427 | 82 | 785 | 32 | * |
| 626 | 132 | 23 | * | 77 | 668 | 21 | 102 | 357 | 78 | 545 | 14 | 101 |
| 627 | 132 | 43 | * | 79 | 668 | 21 | 102 | 345 | 77 | 545 | 14 | 101 |
| 628 | 133 | 3 | * | 77 | 666 | 21 | 102 | 342 | 78 | 547 | 14 | 101 |
| 629 | 133 | 24 | * | 75 | 664 | 21 | * | 343 | 78 | 550 | 14 | 102 |
| 630 | 133 | 44 | * | 78 | 666 | 21 | 102 | 342 | 78 | 554 | 14 | 102 |
| 631 | 134 | 4 | * | 78 | 666 | 20 | 102 | 342 | 78 | 557 | 14 | * |
| 632 | 134 | 25 | * | 79 | 712 | 25 | 102 | 348 | 79 | 610 | 19 | * |
| 633 | 134 | 45 | * | 78 | 671 | 22 | 103 | 348 | 79 | 610 | 19 | 102 |
| 634 | 135 | 5 | * | 79 | 671 | 21 | 102 | 354 | 79 | 571 | 16 | 102 |
| 635 | 135 | 26 | * | 79 | 668 | 21 | 102 | 350 | 78 | 571 | 16 | 102 |
| 636 | 135 | 40 | * | 78 | 668 | 21 | 102 | 347 | 78 | 564 | 15 | * |
| 637 | 136 | 6 | * | 78 | 707 | 25 | 102 | 347 | 78 | 562 | 15 | 102 |
| 638 | 136 | 27 | * | 83 | 1013 | 48 | * | 350 | 79 | 685 | 20 | 102 |
| 639 | 136 | 47 | * | 84 | 1143 | 48 | * | 439 | 85 | 976 | 52 | 102 |
| 640 | 137 | 7 | * | 80 | 862 | 37 | 103 | 453 | 85 | 1008 | 60 | * |
| 641 | 137 | 28 | * | 82 | 814 | 33 | * | 393 | 81 | 882 | 37 | * |
| 642 | 137 | 48 | * | 82 | 913 | 47 | 103 | 373 | 88 | 788 | 32 | * |
| 643 | 138 | 8 | * | 85 | 1240 | 70 | * | 383 | 82 | 867 | 47 | 103 |
| 644 | 138 | 29 | * | 81 | 1211 | 67 | * | 476 | 86 | 1211 | 75 | * |
| 645 | 138 | 49 | * | 85 | 1090 | 56 | * | 581 | 85 | 1068 | 63 | * |
| 646 | 139 | 9 | * | 84 | 1054 | 51 | 104 | 476 | 86 | 935 | 58 | * |
| 647 | 139 | 30 | * | 82 | 836 | 34 | 104 | 471 | 84 | 872 | 42 | 103 |
| 648 | 139 | 50 | * | 75 | 736 | 27 | * | 422 | 80 | 656 | 24 | 103 |
| 649 | 140 | 20 | * | 80 | 872 | 39 | 103 | 385 | 82 | 533 | 14 | 103 |
| 650 | 140 | 30 | * | 81 | 937 | 45 | 104 | 385 | 83 | 643 | 14 | 104 |
| 651 | 140 | 50 | * | 78 | 659 | 20 | 103 | 481 | 83 | 945 | 58 | * |
| 652 | 141 | 10 | * | 79 | 697 | 23 | 103 | 349 | 80 | 632 | 28 | 104 |
| 653 | 141 | 30 | * | 79 | 654 | 20 | 104 | 347 | 80 | 659 | 23 | 103 |
| 654 | 141 | 51 | * | 78 | 647 | 20 | 103 | 342 | 80 | 625 | 28 | 103 |
| 655 | 142 | 11 | * | 78 | 632 | 18 | 104 | 352 | 79 | 656 | 21 | 103 |
| 656 | 142 | 31 | * | 80 | 630 | 18 | 103 | 344 | 79 | 613 | 19 | 103 |
| 657 | 142 | 51 | * | 79 | 666 | 20 | 103 | 355 | 80 | 683 | 20 | 103 |
| 658 | 143 | 11 | * | 78 | 659 | 20 | 104 | 349 | 80 | 654 | 20 | 103 |
| 659 | 143 | 32 | * | 75 | 659 | 21 | * | 344 | 80 | 633 | 20 | * |
| 660 | 143 | 52 | * | 77 | 620 | 18 | 103 | 344 | 79 | 644 | 21 | * |
| 661 | 144 | 14 | * | 77 | 620 | 18 | 103 | 329 | 79 | 618 | 20 | 103 |
| 662 | 144 | 32 | * | 78 | 622 | 18 | 104 | 326 | 79 | 613 | 19 | 103 |
| 663 | 144 | 53 | * | 77 | 608 | 17 | * | 323 | 78 | 605 | 20 | 103 |
| 664 | 145 | 13 | * | 78 | 627 | 18 | 103 | 323 | 79 | 637 | 23 | 103 |
| 665 | 145 | 33 | * | 78 | 654 | 20 | 104 | 341 | 88 | 642 | 22 | 104 |
| 666 | 145 | 53 | * | 78 | 620 | 18 | 103 | 327 | 79 | 647 | 23 | 103 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW | 1-07 ENG.1 TORQUE | 1-08 ENG.1 POWER TURB SPEED | 1-09 ENG.1 INLET TEMP (T-5) | 1-10 ENG.2 RPM (NG) | 1-11 ENG.2 FUEL FLOW | 1-12 ENG.2 TORQUE | 1-13 ENG.2 POWER TURB SPEED |
|-----------------------|----------------------|----------------------|------------------------------------|------------------------------|-------------------------------|-------------------------|---|---|------------------------------|-------------------------------|-------------------------|---|
| | | | DEG.C | PERCENT | LBS/HR | PERCENT | PERCENT | DEG.C | PERCENT | LBS/HR | PERCENT | PERCENT |
| 567 | 146 | 13 | * | 78 | 625 | 18 | 183 | 326 | 77 | 642 | 23 | * |
| 568 | 146 | 33 | * | 79 | 534 | 19 | 103 | 327 | 80 | 656 | 24 | 103 |
| 569 | 146 | 54 | * | 79 | 627 | 18 | 103 | 323 | 79 | 644 | 22 | 104 |
| 570 | 147 | 14 | * | 78 | 617 | 18 | 103 | 322 | 78 | 634 | 22 | * |
| 571 | 147 | 34 | * | 75 | 610 | 16 | 104 | 322 | 79 | 639 | 22 | * |
| 572 | 147 | 54 | * | 80 | 617 | 17 | 104 | 323 | 79 | 659 | 24 | 104 |
| 573 | 148 | 14 | -22 | 80 | 673 | 23 | 104 | 332 | 80 | 746 | 35 | * |
| 574 | 148 | 34 | -23 | 70 | 596 | 16 | 103 | 323 | 78 | 625 | 21 | 103 |
| 575 | 148 | 55 | -23 | 78 | 605 | 16 | * | 322 | 79 | 632 | 22 | 103 |
| 576 | 149 | 15 | -23 | 78 | 601 | 16 | 103 | 324 | 78 | 632 | 22 | 103 |
| 577 | 149 | 35 | -24 | 78 | 601 | 16 | 103 | 322 | 79 | 630 | 21 | * |
| 578 | 149 | 55 | -24 | 70 | 605 | 16 | 103 | 324 | 79 | 627 | 21 | 103 |
| 579 | 150 | 16 | -25 | 70 | 601 | 16 | 103 | 324 | 79 | 622 | 21 | * |
| 580 | 150 | 36 | -26 | 77 | 603 | 16 | 103 | 322 | 80 | 625 | 22 | * |
| 581 | 150 | 56 | -25 | 78 | 605 | 16 | 104 | 324 | 78 | 625 | 21 | 103 |
| 582 | 151 | 16 | -26 | 78 | 605 | 16 | 103 | 324 | 78 | 625 | 21 | 103 |
| 583 | 151 | 37 | -26 | 78 | 598 | 16 | 103 | 322 | 78 | 622 | 21 | * |
| 584 | 151 | 57 | -26 | 79 | 605 | 16 | * | 321 | 79 | 628 | 21 | 103 |
| 585 | 152 | 17 | -26 | 79 | 603 | 16 | 104 | 324 | 78 | 638 | 21 | * |
| 586 | 152 | 37 | -27 | 79 | 593 | 16 | 103 | 323 | 78 | 617 | 20 | * |
| 587 | 152 | 58 | -26 | 78 | 605 | 16 | 104 | 329 | 78 | 613 | 20 | 103 |
| 588 | 153 | 18 | -26 | 79 | 605 | 16 | 103 | 326 | 78 | 617 | 20 | 103 |
| 589 | 153 | 38 | -26 | 78 | 605 | 16 | 103 | 327 | 78 | 613 | 20 | * |
| 590 | 153 | 58 | -26 | 78 | 608 | 16 | 104 | 323 | 78 | 613 | 20 | * |
| 591 | 154 | 19 | -26 | 78 | 605 | 16 | 103 | 326 | 78 | 615 | 20 | 104 |
| 592 | 154 | 39 | -27 | 78 | 608 | 16 | 104 | 323 | 78 | 615 | 20 | * |
| 593 | 154 | 59 | -27 | 85 | 794 | 33 | 102 | 324 | 67 | 615 | 20 | * |
| 594 | 155 | 19 | -27 | 81 | 799 | 34 | 102 | 370 | 65 | 273 | 1 | 72 |
| 595 | 155 | 40 | -28 | 80 | 799 | 33 | 102 | 370 | 65 | 276 | 1 | 72 |
| 596 | 156 | 0 | -28 | 80 | 802 | 34 | 103 | 373 | 65 | * | * | * |
| 597 | 156 | 20 | -28 | 85 | 744 | 34 | 103 | 374 | 17 | * | * | * |
| 598 | 156 | 41 | -28 | 81 | 799 | 33 | 102 | 374 | 7 | * | 95 | * |
| 599 | 157 | 1 | -28 | 80 | 787 | 33 | 100 | 364 | * | * | * | * |
| 600 | 157 | 41 | -29 | 43 | 36 | C | 41 | 277 | * | * | * | * |
| 701 | 158 | 1 | -29 | 10 | * | * | * | 178 | * | * | * | * |
| 702 | 158 | 22 | -29 | 8 | * | * | * | 135 | * | * | * | * |
| 703 | 158 | 42 | -29 | * | * | * | * | 121 | * | * | * | * |

HH-53C S/N 68-10354
ARCTIC TEST
15 JANUARY 1971
RUN NO. 3

-40 DEG C / -40 DEG F

| 1-02 TIME MIN. | 1-03 TIME SEC. | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C | 1-15 RUTOR RPM | 1-17 L.H. THROTT POS | 1-18 R.H. THROTT POS | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL BOOST PUMP OUTLET PRESS PSIG | 1-22 ENG.1 MOSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG |
|----------------------|----------------------|--|----------------------|-------------------------------|-------------------------------|---|--|---|--|---|---|
| 272 | 11 | * | 4 | * | * | 7 | 2 | 2 | 6 | 5 | 6 |
| 273 | 11 | * | * | * | * | 6 | 2 | 2 | 8 | 6 | 7 |
| 274 | 12 | * | * | * | * | 8 | 2 | 2 | 7 | 6 | 6 |
| 275 | 12 | * | * | * | * | 7 | 2 | 3 | 6 | 7 | 6 |
| 276 | 12 | * | * | 6 | 7 | 5 | 2 | 3 | 4 | 3 | 3 |
| 277 | 13 | * | * | 6 | 7 | 4 | 2 | 1 | 3 | 3 | 3 |
| 278 | 13 | * | * | 6 | 7 | 3 | 2 | 1 | 3 | 3 | 3 |
| 279 | 13 | * | * | 6 | 7 | 3 | 2 | 1 | 4 | 3 | 3 |
| 280 | 14 | * | * | 6 | 7 | 5 | 2 | 1 | 5 | 3 | 3 |
| 281 | 14 | * | * | 6 | 7 | 5 | 2 | 1 | 4 | 3 | 3 |
| 282 | 14 | * | * | 7 | 7 | 4 | 2 | 1 | 4 | 3 | 3 |
| 283 | 15 | * | * | 7 | 7 | 4 | 2 | 1 | 4 | 3 | 3 |
| 284 | 15 | * | * | 7 | 7 | 4 | 2 | 1 | 5 | 3 | 3 |
| 285 | 15 | * | * | 6 | 6 | 4 | 2 | 1 | 5 | 3 | 3 |
| 286 | 16 | * | * | 6 | 6 | 4 | 2 | 1 | 5 | 3 | 3 |
| 287 | 16 | * | * | 6 | 6 | 3 | 2 | 1 | 4 | 3 | 3 |
| 288 | 16 | * | * | 6 | 6 | 3 | 2 | 1 | 4 | 3 | 3 |
| 289 | 16 | * | * | 6 | 6 | 3 | 2 | 1 | 4 | 3 | 3 |
| 290 | 17 | * | * | 6 | 6 | 4 | 2 | 1 | 4 | 3 | 3 |
| 291 | 17 | * | * | 6 | 6 | 4 | 2 | 1 | 4 | 3 | 3 |
| 292 | 17 | * | * | 6 | 6 | 4 | 2 | 1 | 4 | 3 | 3 |
| 293 | 18 | * | * | 6 | 6 | 4 | 2 | 1 | 4 | 3 | 3 |
| 294 | 18 | * | * | 6 | 6 | 4 | 2 | 1 | 4 | 3 | 3 |
| 295 | 18 | * | * | 7 | 7 | 4 | 2 | 1 | 4 | 3 | 3 |
| 296 | 19 | * | * | 7 | 7 | 5 | 2 | 1 | 4 | 3 | 3 |
| 297 | 19 | * | * | 6 | 6 | 4 | 2 | 1 | 4 | 3 | 3 |
| 298 | 19 | * | * | 6 | 6 | 4 | 2 | 1 | 4 | 3 | 3 |
| 299 | 20 | * | * | 6 | 6 | 4 | 2 | 1 | 4 | 3 | 3 |
| 300 | 20 | * | * | 6 | 6 | 3 | 2 | 1 | 4 | 3 | 3 |
| 301 | 20 | * | * | 6 | 6 | 3 | 2 | 1 | 4 | 3 | 3 |
| 302 | 21 | * | * | 6 | 6 | 4 | 2 | 1 | 4 | 3 | 3 |
| 303 | 21 | * | * | 6 | 6 | 3 | 2 | 1 | 4 | 3 | 3 |
| 304 | 21 | * | * | 6 | 6 | 3 | 2 | 1 | 4 | 3 | 3 |
| 305 | 22 | * | * | 6 | 6 | 3 | 2 | 1 | 4 | 3 | 3 |
| 306 | 22 | * | * | 6 | 6 | 3 | 2 | 1 | 4 | 3 | 3 |
| 307 | 22 | * | * | 6 | 6 | 3 | 2 | 1 | 4 | 3 | 3 |
| 308 | 23 | * | * | 6 | 6 | 3 | 2 | 1 | 4 | 3 | 3 |
| 309 | 23 | * | * | 6 | 6 | 3 | 2 | 1 | 4 | 3 | 3 |
| 310 | 23 | * | * | 6 | 6 | 3 | 2 | 1 | 4 | 3 | 3 |
| 311 | 24 | * | * | 6 | 6 | 3 | 2 | 1 | 4 | 3 | 3 |
| 312 | 24 | * | * | 6 | 6 | 2 | 2 | 1 | 4 | 3 | 3 |
| 313 | 24 | * | * | 6 | 6 | 3 | 2 | 1 | 4 | 3 | 3 |
| 314 | 25 | * | * | 6 | 6 | 3 | 2 | 1 | 4 | 3 | 3 |
| 315 | 25 | * | * | 6 | 6 | 4 | 2 | 1 | 4 | 3 | 3 |
| 316 | 25 | * | * | 6 | 6 | 4 | 2 | 1 | 4 | 3 | 3 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C | 1-15 ROTOR RPM | 1-17 I.H. THROTT POS | PERCENT TRAVEL | 1-18 R.H. THROTT POS | PERCENT TRAVEL | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL BOOST PUMP OUTLET PRESS PSIG | 1-22 ENG.1 NOSE GEAR OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG |
|-----------------------|----------------------|----------------------|--|----------------------|-------------------------------|-------------------|-------------------------------|-------------------|---|--|---|---|---|---|
| 317 | 26 | 2 | * | * | 5 | 6 | 6 | 2 | 1 | 1 | 1 | 3 | 39 | 3 |
| 318 | 26 | 22 | * | * | 6 | 6 | 6 | 3 | 2 | 1 | 1 | 3 | 46 | 3 |
| 319 | 26 | 41 | * | * | 6 | 6 | 6 | 3 | 1 | 1 | 1 | 4 | 41 | 3 |
| 320 | 27 | 1 | * | * | 6 | 6 | 6 | 3 | 1 | 1 | 1 | 3 | 40 | 3 |
| 321 | 27 | 21 | * | * | 6 | 6 | 6 | 3 | 1 | 1 | 1 | 4 | 39 | 3 |
| 322 | 27 | 40 | * | * | 6 | 6 | 6 | 4 | 1 | 1 | 1 | 3 | 41 | 3 |
| 323 | 28 | 8 | * | * | 5 | 5 | 6 | 3 | 1 | 1 | 1 | 3 | 39 | 3 |
| 324 | 28 | 19 | * | * | 5 | 5 | 6 | 3 | 1 | 1 | 1 | 4 | 41 | 2 |
| 325 | 28 | 39 | * | * | 6 | 6 | 6 | 3 | 2 | 1 | 1 | 3 | 48 | 2 |
| 326 | 28 | 59 | * | * | 6 | 6 | 6 | 3 | 1 | 1 | 1 | 3 | 38 | 2 |
| 327 | 29 | 18 | * | * | 6 | 6 | 6 | 2 | 1 | 1 | 1 | 4 | 39 | 2 |
| 328 | 29 | 30 | * | * | 6 | 6 | 6 | 3 | 1 | 1 | 1 | 4 | 38 | 2 |
| 329 | 29 | 58 | * | * | 5 | 5 | 6 | 3 | 1 | 1 | 1 | 3 | 39 | 2 |
| 330 | 30 | 17 | * | * | 5 | 5 | 5 | 3 | 2 | 1 | 1 | 2 | 40 | 2 |
| 331 | 30 | 37 | * | * | 5 | 5 | 6 | 3 | 1 | 1 | 1 | 2 | 39 | 2 |
| 332 | 30 | 57 | * | * | 5 | 5 | 6 | 3 | 1 | 1 | 1 | 3 | 38 | 2 |
| 333 | 31 | 16 | * | * | 5 | 5 | 6 | 3 | 1 | 1 | 1 | 4 | 39 | 2 |
| 334 | 31 | 36 | * | * | 5 | 5 | 6 | 3 | 1 | 1 | 1 | 3 | 37 | 2 |
| 335 | 31 | 56 | * | * | 5 | 5 | 6 | 3 | 1 | 1 | 1 | 3 | 39 | 2 |
| 336 | 32 | 16 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 1 | 3 | 37 | 2 |
| 337 | 32 | 36 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 1 | 4 | 38 | 2 |
| 338 | 32 | 55 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 1 | 4 | 38 | 2 |
| 339 | 33 | 15 | * | * | 5 | 5 | 5 | 2 | 1 | 1 | 1 | 3 | 38 | 2 |
| 340 | 33 | 35 | * | * | 5 | 5 | 5 | 2 | 1 | 1 | 1 | 3 | 38 | 2 |
| 341 | 33 | 55 | * | * | 5 | 5 | 5 | 2 | 1 | 1 | 1 | 3 | 38 | 2 |
| 342 | 34 | 15 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 1 | 2 | 38 | 2 |
| 343 | 34 | 34 | * | * | 5 | 5 | 6 | 3 | 1 | 1 | 1 | 4 | 38 | 2 |
| 344 | 34 | 54 | * | * | 5 | 5 | 6 | 3 | 1 | 1 | 1 | 3 | 37 | 2 |
| 345 | 35 | 14 | * | * | 5 | 5 | 6 | 3 | 1 | 1 | 1 | 2 | 37 | 2 |
| 346 | 35 | 34 | * | * | 5 | 5 | 6 | 1 | 1 | 1 | 1 | 3 | 36 | 2 |
| 347 | 35 | 54 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 1 | 3 | 38 | 2 |
| 348 | 36 | 14 | * | * | 5 | 5 | 6 | 3 | 1 | 1 | 1 | 3 | 38 | 2 |
| 349 | 36 | 34 | * | * | 5 | 5 | 6 | 3 | 1 | 1 | 1 | 3 | 39 | 2 |
| 350 | 36 | 53 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 1 | 2 | 37 | 2 |
| 351 | 37 | 13 | * | * | 5 | 5 | 6 | 1 | 1 | 1 | 1 | 3 | 36 | 2 |
| 352 | 37 | 33 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 1 | 3 | 38 | 2 |
| 353 | 37 | 53 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 1 | 3 | 38 | 2 |
| 354 | 38 | 13 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 1 | 3 | 38 | 2 |
| 355 | 38 | 33 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 1 | 3 | 36 | 2 |
| 356 | 38 | 53 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 1 | 3 | 36 | 2 |
| 357 | 39 | 13 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 1 | 3 | 36 | 2 |
| 358 | 39 | 33 | * | * | 5 | 5 | 6 | 3 | 1 | 1 | 1 | 3 | 35 | 2 |
| 359 | 39 | 53 | * | * | 5 | 5 | 6 | 3 | 1 | 1 | 1 | 3 | 37 | 2 |
| 360 | 40 | 13 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 1 | 3 | 36 | 2 |
| 361 | 40 | 33 | * | * | 5 | 5 | 6 | 1 | 1 | 1 | 1 | 2 | 37 | 2 |
| 362 | 40 | 53 | * | * | 5 | 5 | 6 | 0 | 1 | 1 | 1 | 2 | 37 | 2 |
| 363 | 41 | 13 | * | * | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 3 | 36 | 2 |
| 364 | 41 | 33 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 1 | 3 | 36 | 2 |
| 365 | 41 | 53 | * | * | 5 | 5 | 6 | 1 | 1 | 1 | 1 | 3 | 36 | 2 |
| 366 | 42 | 13 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 1 | 2 | 35 | 2 |

| SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C | 1-15 MOTOR RPM | 1-17 L.H. THROTT POS | PERCENT TRAVEL | 1-18 R.H. THROTT POS | PERCENT TRAVEL | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL BOOST PUMP OUTLET PRESS PSIG | 1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG |
|----------------|----------------------|----------------------|--|----------------------|-------------------------------|-------------------|-------------------------------|-------------------|---|--|---|--|---|---|
| 367 | 42 | 33 | * | * | 5 | 5 | 5 | 2 | 1 | 1 | 1 | 2 | 36 | 2 |
| 368 | 42 | 53 | * | * | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 2 | 36 | 2 |
| 369 | 43 | 13 | * | * | 5 | 5 | 5 | 3 | 1 | 1 | 0 | 2 | 36 | 0 |
| 370 | 43 | 33 | * | * | 5 | 5 | 6 | 1 | 1 | 1 | 2 | 2 | 35 | 0 |
| 371 | 43 | 53 | * | * | 5 | 5 | 5 | 1 | 1 | 1 | 2 | 2 | 35 | 0 |
| 372 | 44 | 13 | * | * | 5 | 5 | 5 | 0 | 1 | 1 | 0 | 2 | 36 | 0 |
| 373 | 44 | 33 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 2 | 2 | 35 | 1 |
| 374 | 44 | 53 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 2 | 2 | 35 | 1 |
| 375 | 45 | 13 | * | * | 5 | 5 | 3 | 3 | 1 | 1 | 1 | 2 | 35 | 1 |
| 376 | 45 | 33 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 2 | 2 | 36 | 0 |
| 377 | 45 | 53 | * | * | 5 | 5 | 5 | 2 | 1 | 1 | 2 | 2 | 36 | 0 |
| 378 | 46 | 13 | * | * | 5 | 5 | 6 | 1 | 1 | 1 | 2 | 2 | 36 | 2 |
| 379 | 46 | 33 | * | * | 5 | 5 | 6 | 1 | 1 | 1 | 2 | 2 | 36 | 2 |
| 380 | 46 | 53 | * | * | 5 | 5 | 6 | 1 | 1 | 1 | 2 | 2 | 35 | 2 |
| 381 | 47 | 13 | * | * | 5 | 5 | 6 | 1 | 1 | 1 | 1 | 2 | 35 | 1 |
| 382 | 47 | 33 | * | * | 5 | 5 | 6 | 1 | 1 | 1 | 1 | 2 | 37 | 3 |
| 383 | 47 | 53 | * | * | 5 | 5 | 6 | 1 | 1 | 1 | 1 | 4 | 36 | 2 |
| 384 | 48 | 13 | * | * | 5 | 5 | 6 | 1 | 1 | 1 | 1 | 2 | 36 | 2 |
| 385 | 48 | 34 | * | * | 5 | 5 | 6 | 3 | 1 | 1 | 2 | 2 | 36 | 2 |
| 386 | 48 | 54 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 387 | 49 | 14 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 388 | 49 | 34 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 389 | 49 | 54 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 390 | 50 | 14 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 391 | 50 | 34 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 392 | 50 | 54 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 393 | 51 | 14 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 394 | 51 | 34 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 395 | 51 | 55 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 396 | 52 | 15 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 397 | 52 | 35 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 398 | 52 | 55 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 399 | 53 | 15 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 400 | 53 | 35 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 401 | 53 | 55 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 402 | 54 | 16 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 403 | 54 | 36 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 404 | 54 | 56 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 405 | 55 | 16 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 406 | 55 | 36 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 407 | 55 | 56 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 408 | 56 | 16 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 409 | 56 | 37 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 410 | 56 | 57 | * | * | 5 | 5 | 6 | 2 | 1 | 1 | 3 | 2 | 35 | 2 |
| 411 | 57 | 17 | 276 | * | 6 | 6 | 21 | 7 | 10 | 10 | 4 | 4 | 34 | 2 |
| 412 | 57 | 37 | 327 | 22 | 6 | 6 | 21 | 7 | 1 | 1 | 7 | 4 | 34 | 2 |
| 413 | 57 | 57 | 327 | 26 | 6 | 6 | 21 | 7 | 1 | 1 | 7 | 4 | 35 | 2 |
| 414 | 58 | 17 | 326 | 29 | 6 | 6 | 21 | 7 | 1 | 1 | 7 | 4 | 35 | 2 |
| 415 | 58 | 37 | 342 | 28 | 6 | 6 | 20 | 6 | 1 | 1 | 6 | 3 | 35 | 2 |
| 416 | 58 | 57 | 366 | 31 | 6 | 6 | 40 | 3 | 1 | 1 | 6 | 4 | 35 | 2 |

| -01 | 1-02 | 1-03 | 1-14 | 1-15 | 1-17 | 1-18 | 1-19 | 1-20 | 1-21 | 1-22 | 1-23 | 1-24 |
|-------------|-----------|-----------|-----------------------------------|-----------|--------------------------------|--------------------------------|----------------------------------|-----------------------------------|---|------------------------------------|--------------------------------|------------------------------|
| SHEEP COUNT | TIME MIN. | TIME SEC. | ENG.2 TURB INLET TEMP (1-5) DEG.C | ROTOR RPM | L.H. THROTT POS PERCENT TRAVEL | R.H. THROTT POS PERCENT TRAVEL | ENG.1 OIL PUMP OUTLET PRESS PSIG | ENG.1 SCAV PUMP OUTLET PRESS PSIG | ENG.1 FUEL BOOST PUMP OUTLET PRESS PSIG | ENG.1 NOSE GEAR BOX OIL PRESS PSIG | ACCESS GEAR BOX OIL PRESS PSIG | MAIN GEAR BOX OIL PRESS PSIG |
| 417 | 59 | 17 | 386 | 84 | 6 | 44 | 2 | 1 | 7 | 4 | 39 | 43 |
| 418 | 59 | 37 | 389 | 95 | 6 | 54 | 3 | 1 | 8 | 4 | 39 | 45 |
| 419 | 59 | 57 | 413 | 103 | 7 | 85 | 3 | 1 | 7 | 3 | 39 | 51 |
| 420 | 60 | 17 | 407 | 104 | 6 | 85 | 3 | 1 | 7 | 4 | 36 | 59 |
| 421 | 68 | 37 | 406 | 104 | 6 | 85 | 4 | 1 | 7 | 4 | 38 | 60 |
| 422 | 68 | 58 | 406 | * | 6 | 86 | 6 | 1 | 8 | 5 | 42 | 61 |
| 423 | 61 | 18 | 411 | * | 7 | 86 | 4 | 2 | 8 | 5 | 42 | 63 |
| 424 | 61 | 38 | 411 | 105 | 7 | 85 | 6 | 11 | 6 | 4 | 39 | 63 |
| 425 | 61 | 58 | 408 | * | 9 | 85 | * | 21 | 6 | 8 | 48 | 63 |
| 426 | 62 | 18 | 407 | 105 | 26 | 86 | * | 20 | 18 | 38 | 41 | 68 |
| 427 | 62 | 38 | 399 | * | 26 | 86 | * | 14 | 19 | 36 | 39 | 63 |
| 428 | 62 | 58 | 403 | * | 26 | 86 | * | 15 | 22 | 52 | 40 | 69 |
| 429 | 63 | 18 | 403 | * | 27 | 86 | * | 12 | 19 | 63 | 48 | 68 |
| 430 | 63 | 39 | 399 | * | 26 | 86 | * | 11 | 16 | 57 | 41 | 72 |
| 431 | 63 | 59 | 396 | 105 | 26 | 85 | * | 17 | 28 | 58 | 39 | 73 |
| 432 | 64 | 19 | 398 | 105 | 26 | 85 | * | 24 | 28 | 59 | 36 | 73 |
| 433 | 64 | 39 | 397 | * | 47 | 85 | * | 21 | 21 | 68 | 39 | 74 |
| 434 | 64 | 59 | 349 | * | 84 | 79 | 86 | 28 | 25 | 68 | 38 | 74 |
| 435 | 65 | 19 | 379 | 104 | 83 | 79 | 83 | 21 | 25 | 68 | 37 | 77 |
| 436 | 65 | 39 | 371 | * | 91 | 90 | 62 | 23 | 26 | 64 | 40 | 77 |
| 437 | 65 | 59 | 337 | * | 80 | 79 | 68 | 25 | 26 | 68 | 41 | 77 |
| 438 | 66 | 19 | 376 | * | 80 | 78 | 51 | 21 | 26 | 59 | 35 | 76 |
| 439 | 66 | 39 | 363 | * | 80 | 82 | 48 | 22 | 24 | 65 | 39 | 77 |
| 440 | 66 | 59 | 361 | 105 | 80 | 81 | 50 | 22 | 25 | 78 | 36 | 76 |
| 441 | 67 | 19 | 359 | 105 | 88 | 81 | 45 | 22 | 23 | 65 | 36 | 76 |
| 442 | 67 | 39 | 386 | * | 81 | 82 | 45 | 25 | 25 | 58 | 39 | 79 |
| 443 | 67 | 59 | 361 | * | 80 | 82 | 44 | 22 | 24 | 63 | 39 | 79 |
| 444 | 68 | 19 | 362 | 105 | 80 | 81 | 44 | 21 | 23 | 59 | 41 | 78 |
| 445 | 68 | 39 | 363 | * | 80 | 81 | 44 | 17 | 23 | 58 | 42 | 77 |
| 446 | 68 | 59 | 357 | 105 | 80 | 81 | 43 | 18 | 23 | 60 | 39 | 78 |
| 447 | 69 | 19 | 361 | * | 80 | 81 | 44 | 20 | 24 | 60 | 42 | 78 |
| 448 | 69 | 39 | 357 | * | 80 | 81 | 45 | 20 | 23 | 68 | 41 | 78 |
| 449 | 70 | 0 | 361 | * | 80 | 81 | 45 | 21 | 22 | 61 | 39 | 78 |
| 450 | 70 | 28 | 362 | * | 80 | 81 | 43 | 21 | 25 | 60 | 41 | 78 |
| 451 | 70 | 40 | 361 | * | 80 | 81 | 43 | 20 | 28 | 60 | 41 | 78 |
| 452 | 71 | 0 | 357 | 105 | 80 | 81 | 44 | 20 | 23 | 58 | 42 | 73 |
| 453 | 71 | 20 | 357 | 105 | 80 | 81 | 44 | 18 | 23 | 59 | 48 | 73 |
| 454 | 71 | 40 | 357 | 105 | 80 | 81 | 45 | 18 | 23 | 48 | 48 | 79 |
| 455 | 72 | 0 | 358 | * | 80 | 81 | 44 | 22 | 25 | 38 | 38 | 78 |
| 456 | 72 | 20 | 363 | * | 81 | 82 | 66 | 24 | 24 | 66 | 41 | 88 |
| 457 | 72 | 40 | 357 | * | 80 | 81 | 43 | 18 | 25 | 68 | 41 | 88 |
| 458 | 73 | 1 | 357 | * | 80 | 81 | 43 | 18 | 25 | 68 | 42 | 88 |
| 459 | 73 | 21 | 358 | * | 80 | 81 | 43 | 22 | 22 | 62 | 37 | 78 |
| 460 | 73 | 41 | 358 | * | 80 | 81 | 42 | 22 | 26 | 60 | 41 | 78 |
| 461 | 74 | 1 | 359 | * | 80 | 82 | 43 | 19 | 23 | 62 | 40 | 77 |
| 462 | 74 | 21 | 357 | 105 | 80 | 82 | 43 | 19 | 23 | 63 | 39 | 79 |
| 463 | 74 | 41 | 356 | * | 80 | 81 | 43 | 19 | 26 | 68 | 38 | 75 |
| 464 | 75 | 1 | 357 | * | 80 | 81 | 43 | 19 | 24 | 60 | 38 | 75 |
| 465 | 75 | 22 | 354 | * | 80 | 81 | 43 | 18 | 25 | 60 | 37 | 75 |
| 466 | 75 | 42 | 388 | * | 80 | 81 | 44 | 17 | 24 | 64 | 37 | 75 |

| 1-01 KEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C | 1-15 ROTOR RPM PERCENT | 1-17 L.H. THROTT POS PERCENT TRAVEL | 1-18 R.H. THROTT POS PERCENT TRAVEL | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL BOOST PUMP OUTLET PRESS PSIG | 1-22 ENG.1 NOSE GEAR OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---------------------------------|--|--|---|--|---|---|---|---|
| 467 | 76 | 2 | 401 | * | 80 | 82 | 44 | 18 | 24 | 67 | 43 | 76 |
| 468 | 76 | 22 | 396 | * | 80 | 82 | 45 | 17 | 25 | 62 | 41 | 77 |
| 469 | 76 | 42 | 393 | * | 80 | 81 | 43 | 19 | 24 | 61 | 37 | 77 |
| 470 | 77 | 3 | 386 | * | 80 | 81 | 43 | 16 | 23 | 62 | 36 | 78 |
| 471 | 77 | 23 | 379 | * | 80 | 81 | 44 | 19 | 26 | 65 | 39 | 78 |
| 472 | 77 | 43 | 364 | * | 80 | 82 | 42 | 19 | 25 | 64 | 36 | 79 |
| 473 | 78 | 3 | 373 | * | 80 | 82 | 43 | 23 | 24 | 68 | 48 | 79 |
| 474 | 78 | 23 | 363 | * | 81 | 82 | 44 | 25 | 24 | 68 | 44 | 75 |
| 475 | 78 | 43 | 366 | * | 80 | 81 | 43 | 18 | 24 | 62 | 37 | 75 |
| 476 | 79 | 6 | 364 | * | 81 | 82 | 43 | 28 | 25 | 68 | 37 | 79 |
| 477 | 79 | 24 | 363 | * | 81 | 81 | 42 | 17 | 26 | 62 | 41 | 74 |
| 478 | 79 | 64 | 378 | 185 | 88 | 81 | 43 | 19 | 26 | 61 | 41 | 72 |
| 479 | 88 | 6 | 363 | * | 80 | 81 | 43 | 20 | 26 | 60 | 43 | 73 |
| 480 | 88 | 25 | 357 | 185 | 81 | 81 | 42 | 23 | 25 | 60 | 41 | 74 |
| 481 | 88 | 45 | 376 | * | 81 | 82 | 43 | 21 | 26 | 62 | 42 | 73 |
| 482 | 81 | 5 | 387 | * | 80 | 81 | 43 | 18 | 26 | 63 | 41 | 73 |
| 483 | 81 | 26 | 366 | * | 80 | 82 | 43 | 22 | 25 | 63 | 42 | 74 |
| 484 | 81 | 46 | 366 | * | 80 | 81 | 43 | 23 | 26 | 62 | 41 | 73 |
| 485 | 82 | 6 | 498 | 185 | 81 | 81 | 49 | 21 | 26 | 61 | 43 | 73 |
| 486 | 82 | 26 | 514 | 185 | 83 | 84 | 49 | 19 | 27 | 63 | 45 | 74 |
| 487 | 82 | 47 | 517 | 185 | 83 | 83 | 51 | 21 | 25 | 64 | 44 | 74 |
| 488 | 82 | 83 | 523 | * | 82 | 83 | 58 | 21 | 26 | 65 | 42 | 72 |
| 489 | 83 | 7 | 518 | * | 82 | 83 | 51 | 28 | 28 | 62 | 37 | 74 |
| 490 | 83 | 27 | 518 | * | 82 | 83 | 51 | 28 | 28 | 62 | 37 | 74 |
| 491 | 83 | 48 | 437 | * | 82 | 83 | 46 | 28 | 28 | 63 | 35 | 74 |
| 492 | 84 | 8 | 428 | * | 82 | 84 | 46 | 28 | 28 | 63 | 35 | 74 |
| 493 | 84 | 20 | 429 | * | 82 | 84 | 45 | 28 | 28 | 62 | 36 | 74 |
| 494 | 84 | 48 | 443 | * | 82 | 84 | 47 | 28 | 28 | 63 | 36 | 74 |
| 495 | 85 | 8 | 488 | 185 | 82 | 85 | 47 | 28 | 30 | 68 | 37 | 73 |
| 496 | 85 | 29 | 474 | * | 82 | 85 | 46 | 17 | 28 | 68 | 36 | 72 |
| 497 | 86 | 9 | 474 | * | 82 | 82 | 48 | 19 | 26 | 59 | 36 | 73 |
| 498 | 86 | 38 | 469 | * | 82 | 82 | 47 | 19 | 28 | 68 | 37 | 73 |
| 499 | 86 | 58 | 478 | 185 | 82 | 83 | 46 | 28 | 23 | 64 | 34 | 73 |
| 500 | 87 | 8 | 474 | * | 82 | 82 | 46 | 28 | 23 | 64 | 34 | 73 |
| 501 | 87 | 88 | 477 | 185 | 82 | 83 | 47 | 19 | 25 | 63 | 36 | 73 |
| 502 | 87 | 61 | 474 | * | 82 | 82 | 46 | 24 | 24 | 60 | 37 | 72 |
| 503 | 88 | 11 | 473 | * | 82 | 82 | 46 | 18 | 24 | 57 | 38 | 78 |
| 504 | 88 | 31 | 477 | * | 82 | 82 | 46 | 22 | 25 | 62 | 38 | 78 |
| 505 | 88 | 52 | 475 | * | 82 | 82 | 46 | 21 | 25 | 65 | 38 | 72 |
| 506 | 89 | 12 | 479 | 185 | 82 | 82 | 48 | 28 | 26 | 68 | 38 | 72 |
| 507 | 89 | 32 | 482 | 185 | 82 | 83 | 48 | 19 | 24 | 68 | 38 | 71 |
| 508 | 89 | 53 | 488 | * | 82 | 82 | 48 | 28 | 25 | 68 | 34 | 71 |
| 509 | 98 | 13 | 499 | * | 82 | 82 | 49 | 18 | 25 | 59 | 34 | 72 |
| 510 | 98 | 33 | 489 | 185 | 82 | 82 | 47 | 21 | 24 | 68 | 34 | 74 |
| 511 | 98 | 54 | 489 | 185 | 82 | 82 | 47 | 28 | 25 | 63 | 34 | 73 |
| 512 | 91 | 14 | 488 | 185 | 78 | 78 | 47 | 18 | 25 | 68 | 34 | 72 |
| 513 | 91 | 34 | 487 | 182 | 75 | 75 | 46 | 24 | 25 | 53 | 37 | 71 |
| 514 | 91 | 55 | 469 | 183 | 75 | 75 | 46 | 28 | 25 | 57 | 37 | 71 |
| 515 | 92 | 16 | 463 | 182 | 74 | 74 | 48 | 28 | 27 | 57 | 37 | 78 |
| 516 | 92 | 36 | 462 | 182 | 75 | 75 | 46 | 28 | 24 | 56 | 37 | 73 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C | 1-15 ROTOR RPM PERCENT | 1-17 L.H. THROTT POS PERCENT TRAVEL | 1-18 R.H. THROTT POS PERCENT TRAVEL | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL BOOST PUMP OUTLET PRESS PSIG | 1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---------------------------------|--|--|---|--|---|--|---|---|
| 517 | 92 | 57 | 475 | 102 | 74 | 75 | 48 | 20 | 26 | 68 | 36 | 72 |
| 518 | 93 | 20 | 475 | 103 | 75 | 75 | 49 | 28 | 28 | 57 | 38 | 73 |
| 519 | 95 | 37 | 473 | 103 | 74 | 75 | 45 | 20 | 24 | 56 | 38 | 71 |
| 520 | 95 | 58 | 473 | 102 | 74 | 74 | 48 | 18 | 26 | 57 | 38 | 73 |
| 521 | 96 | 19 | 473 | 102 | 75 | 75 | 48 | 18 | 26 | 55 | 41 | 75 |
| 522 | 96 | 39 | 472 | 102 | 74 | 75 | 46 | 20 | 25 | 54 | 36 | 73 |
| 523 | 97 | 8 | 465 | 102 | 74 | 74 | 46 | 22 | 25 | 55 | 36 | 71 |
| 524 | 97 | 20 | 462 | 101 | 73 | 73 | 47 | 20 | 25 | 52 | 38 | 71 |
| 525 | 97 | 41 | 462 | 102 | 73 | 73 | 46 | 21 | 25 | 54 | 38 | 68 |
| 526 | 98 | 1 | 473 | 101 | 74 | 74 | 48 | 22 | 27 | 52 | 38 | 72 |
| 527 | 98 | 22 | 468 | 102 | 73 | 74 | 48 | 18 | 26 | 56 | 37 | 72 |
| 528 | 98 | 43 | 465 | 102 | 73 | 74 | 48 | 18 | 25 | 63 | 37 | 78 |
| 529 | 99 | 3 | 463 | 102 | 73 | 74 | 46 | 19 | 25 | 67 | 37 | 69 |
| 530 | 99 | 24 | 468 | 101 | 73 | 74 | 46 | 19 | 26 | 59 | 38 | 72 |
| 531 | 99 | 44 | 454 | * | 73 | 73 | 47 | 18 | 23 | 52 | 38 | 71 |
| 532 | 100 | 5 | 448 | 103 | 73 | 74 | 45 | 22 | 23 | 54 | 48 | 68 |
| 533 | 100 | 25 | 426 | 102 | 73 | 73 | 44 | 22 | 24 | 53 | 37 | 68 |
| 534 | 100 | 46 | 423 | 101 | 73 | 74 | 45 | 22 | 25 | 55 | 39 | 65 |
| 535 | 101 | 6 | 426 | 101 | 73 | 73 | 44 | 21 | 28 | 49 | 38 | 65 |
| 536 | 101 | 27 | 435 | 101 | 73 | 73 | 45 | 22 | 25 | 53 | 41 | 66 |
| 537 | 101 | 47 | 432 | 101 | 73 | 73 | 44 | 28 | 24 | 54 | 36 | 64 |
| 538 | 102 | 8 | 435 | 101 | 73 | 73 | 44 | 22 | 26 | 53 | 38 | 64 |
| 539 | 102 | 29 | 437 | 102 | 73 | 73 | 46 | 21 | 25 | 53 | 39 | 65 |
| 540 | 102 | 49 | 445 | 102 | 73 | 74 | 45 | 19 | 24 | 60 | 38 | 68 |
| 541 | 103 | 10 | 411 | * | 73 | 73 | 45 | 20 | 24 | 67 | 37 | 65 |
| 542 | 103 | 30 | 424 | 102 | 74 | 73 | 45 | 22 | 26 | 51 | 37 | 65 |
| 543 | 103 | 51 | 435 | * | 73 | 73 | 43 | 22 | 26 | 55 | 37 | 61 |
| 544 | 104 | 11 | 427 | 102 | 73 | 73 | 45 | 21 | 24 | 57 | 38 | 64 |
| 545 | 104 | 32 | 435 | 101 | 73 | 73 | 44 | 19 | 26 | 55 | 38 | 66 |
| 546 | 104 | 52 | 423 | 102 | 73 | 73 | 44 | 22 | 25 | 52 | 38 | 66 |
| 547 | 105 | 12 | 423 | 101 | 74 | 73 | 44 | 18 | 25 | 54 | 38 | 66 |
| 548 | 105 | 33 | 426 | * | 73 | 73 | 45 | 22 | 23 | 55 | 38 | 68 |
| 549 | 105 | 53 | 428 | 102 | 73 | 73 | 45 | 22 | 26 | 53 | 37 | 66 |
| 550 | 106 | 14 | 429 | 102 | 73 | 73 | 43 | 18 | 26 | 63 | 38 | 66 |
| 551 | 106 | 34 | 426 | 102 | 73 | 73 | 44 | 21 | 26 | 63 | 37 | 66 |
| 552 | 106 | 55 | 420 | 103 | 73 | 73 | 45 | 18 | 24 | 55 | 39 | 65 |
| 553 | 107 | 15 | 427 | 102 | 73 | 73 | 44 | 20 | 24 | 55 | 37 | 66 |
| 554 | 107 | 36 | 424 | 102 | 73 | 73 | 45 | 20 | 25 | 53 | 37 | 65 |
| 555 | 107 | 56 | 423 | 103 | 73 | 73 | 45 | 20 | 23 | 53 | 39 | 66 |
| 556 | 108 | 17 | 424 | 102 | 73 | 73 | 44 | 23 | 26 | 56 | 37 | 66 |
| 557 | 108 | 37 | 423 | 102 | 73 | 73 | 45 | 24 | 24 | 54 | 36 | 65 |
| 558 | 108 | 58 | 423 | * | 73 | 74 | 45 | 20 | 24 | 64 | 39 | 65 |
| 559 | 109 | 18 | 430 | 102 | 73 | 73 | 45 | 18 | 26 | 63 | 36 | 62 |
| 560 | 109 | 39 | 424 | 103 | 73 | 73 | 45 | 21 | 24 | 63 | 36 | 64 |
| 561 | 109 | 59 | 433 | 103 | 73 | 73 | 44 | 19 | 26 | 53 | 38 | 64 |
| 562 | 110 | 19 | 421 | 102 | 73 | 73 | 44 | 23 | 23 | 51 | 38 | 65 |
| 563 | 110 | 40 | 423 | 102 | 73 | 73 | 44 | 20 | 26 | 57 | 38 | 69 |
| 564 | 111 | 0 | 426 | 103 | 73 | 73 | 43 | 20 | 25 | 55 | 38 | 68 |
| 565 | 111 | 21 | 422 | 102 | 73 | 73 | 45 | 23 | 25 | 56 | 39 | 68 |
| 566 | 111 | 41 | 423 | 102 | 74 | 74 | 45 | 23 | 25 | 56 | 41 | 66 |

| -01 SNF.P COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C | 1-15 ROTOR RPM PERCENT | 1-17 L.H. THROTT POS PERCENT TRAVEL | 1-18 R.H. THROTT POS PERCENT TRAVEL | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG | 1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---------------------------------|--|--|---|--|--|--|---|---|
| | | | | | | | | | | | | |
| 568 | 112 | 22 | 426 | 102 | 74 | 74 | 45 | 22 | 25 | 60 | 38 | 66 |
| 569 | 112 | 43 | 428 | 102 | 73 | 73 | 46 | 19 | 25 | 57 | 39 | 65 |
| 570 | 113 | 3 | 423 | 103 | 73 | 74 | 43 | 20 | 25 | 52 | 39 | 64 |
| 571 | 113 | 24 | 419 | 103 | 73 | 74 | 43 | 22 | 26 | 57 | 40 | 68 |
| 572 | 113 | 44 | 417 | 102 | 73 | 73 | 44 | 23 | 24 | 54 | 36 | 61 |
| 573 | 114 | 4 | 422 | 102 | 73 | 73 | 44 | 22 | 24 | 56 | 39 | 62 |
| 574 | 114 | 25 | 423 | 103 | 74 | 74 | 43 | 21 | 24 | 49 | 41 | 64 |
| 575 | 114 | 45 | 426 | 102 | 74 | 74 | 44 | 21 | 24 | 54 | 38 | 64 |
| 576 | 115 | 5 | 426 | 103 | 74 | 74 | 46 | 20 | 24 | 52 | 40 | 68 |
| 577 | 115 | 26 | 423 | 102 | 73 | 73 | 44 | 19 | 26 | 55 | 37 | 66 |
| 578 | 115 | 46 | 422 | 102 | 73 | 73 | 44 | 20 | 25 | 53 | 38 | 65 |
| 579 | 116 | 7 | 423 | 103 | 73 | 73 | 43 | 19 | 24 | 56 | 36 | 64 |
| 580 | 116 | 27 | 423 | 103 | 73 | 74 | 45 | 19 | 26 | 52 | 40 | 64 |
| 581 | 116 | 47 | 427 | 102 | 74 | 74 | 44 | 19 | 25 | 52 | 36 | 65 |
| 582 | 117 | 8 | 428 | 102 | 73 | 73 | 46 | 22 | 23 | 52 | 37 | 64 |
| 583 | 117 | 20 | 423 | 103 | 73 | 74 | 45 | 20 | 26 | 60 | 41 | 67 |
| 584 | 117 | 48 | 427 | 102 | 74 | 74 | 45 | 21 | 25 | 54 | 38 | 67 |
| 585 | 118 | 9 | 435 | 102 | 74 | 74 | 45 | 19 | 24 | 52 | 38 | 65 |
| 586 | 118 | 29 | 486 | 103 | 74 | 74 | 44 | 22 | 25 | 53 | 38 | 64 |
| 587 | 118 | 49 | 434 | 103 | 74 | 74 | 46 | 21 | 24 | 52 | 39 | 64 |
| 588 | 119 | 48 | 429 | 102 | 73 | 73 | 45 | 20 | 23 | 56 | 38 | 65 |
| 589 | 119 | 30 | 428 | * | 74 | 74 | 45 | 23 | 25 | 50 | 37 | 62 |
| 590 | 119 | 51 | 434 | 102 | 74 | 74 | 45 | 20 | 24 | 52 | 39 | 64 |
| 591 | 120 | 11 | 428 | 101 | 73 | 74 | 44 | 20 | 24 | 52 | 36 | 62 |
| 592 | 120 | 31 | 424 | 103 | 73 | 74 | 44 | 20 | 20 | 51 | 38 | 67 |
| 593 | 120 | 52 | 426 | 102 | 74 | 73 | 44 | 22 | 25 | 51 | 36 | 66 |
| 594 | 121 | 12 | 427 | 102 | 73 | 74 | 43 | 20 | 25 | 53 | 39 | 66 |
| 595 | 121 | 32 | 438 | 102 | 74 | 74 | 44 | 19 | 24 | 56 | 39 | 66 |
| 596 | 121 | 53 | 423 | 102 | 74 | 74 | 44 | 18 | 26 | 54 | 37 | 64 |
| 597 | 122 | 13 | 428 | 103 | 73 | 74 | 43 | 22 | 25 | 55 | 39 | 66 |
| 598 | 122 | 33 | 423 | 103 | 74 | 73 | 45 | 21 | 23 | 53 | 37 | 65 |
| 599 | 122 | 54 | 423 | 103 | 73 | 74 | 45 | 20 | 22 | 51 | 38 | 65 |
| 600 | 123 | 34 | 423 | 103 | 74 | 73 | 44 | 24 | 24 | 54 | 38 | 65 |
| 601 | 123 | 55 | 424 | * | 74 | 74 | 45 | 21 | 24 | 54 | 38 | 65 |
| 602 | 124 | 15 | 426 | 103 | 73 | 74 | 44 | 20 | 23 | 51 | 37 | 67 |
| 603 | 124 | 35 | 433 | 103 | 74 | 74 | 46 | 20 | 26 | 56 | 38 | 67 |
| 604 | 124 | 56 | 442 | 102 | 75 | 75 | 48 | 21 | 26 | 60 | 38 | 68 |
| 605 | 125 | 16 | 437 | 103 | 74 | 74 | 45 | 17 | 24 | 60 | 37 | 68 |
| 606 | 125 | 36 | 438 | 103 | 74 | 74 | 45 | 19 | 23 | 53 | 38 | 69 |
| 607 | 125 | 57 | 443 | * | 74 | 74 | 46 | 21 | 25 | 58 | 39 | 70 |
| 608 | 126 | 17 | 440 | 102 | 74 | 74 | 45 | 23 | 24 | 55 | 39 | 70 |
| 609 | 126 | 37 | 478 | 103 | 74 | 74 | 48 | 19 | 25 | 53 | 37 | 69 |
| 610 | 126 | 58 | 478 | 102 | 73 | 74 | 48 | 17 | 25 | 55 | 36 | 69 |
| 611 | 127 | 18 | 472 | 102 | 73 | 74 | 48 | 21 | 24 | 56 | 38 | 69 |
| 612 | 127 | 38 | 478 | 102 | 74 | 74 | 47 | 18 | 20 | 56 | 38 | 71 |
| 613 | 127 | 59 | 468 | 103 | 73 | 74 | 48 | 19 | 24 | 53 | 38 | 70 |
| 614 | 128 | 19 | 459 | 103 | 73 | 74 | 47 | 17 | 25 | 53 | 37 | 71 |
| 615 | 128 | 40 | 465 | 103 | 74 | 74 | 48 | 22 | 24 | 56 | 38 | 70 |
| 616 | 129 | 0 | 454 | 103 | 74 | 75 | 47 | 22 | 23 | 53 | 39 | 71 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C | 1-15 ROTOR RPM PERCENT | 1-17 L.H. THROTT POS PERCENT TRAVEL | 1-18 R.H. THROTT POS PERCENT TRAVEL | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL BOOST PUMP OUTLET PRESS PSIG | 1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---------------------------------|--|--|---|--|---|--|---|---|
| 617 | 129 | 20 | 428 | * | 73 | 76 | 44 | 20 | 24 | 54 | 38 | 74 |
| 618 | 129 | 40 | 409 | 103 | 74 | 77 | 44 | 20 | 24 | 66 | 39 | 74 |
| 619 | 130 | 1 | 407 | 103 | 73 | 76 | 42 | 18 | 25 | 54 | 37 | 70 |
| 620 | 130 | 21 | 402 | 104 | 74 | 76 | 45 | 22 | 24 | 55 | 39 | 71 |
| 621 | 130 | 41 | 386 | 103 | 73 | 76 | 41 | 19 | 23 | 58 | 39 | 78 |
| 622 | 131 | 1 | 372 | * | 73 | 75 | 43 | 23 | 23 | 56 | 40 | 68 |
| 623 | 131 | 22 | 452 | 102 | 74 | 76 | 45 | 22 | 24 | 53 | 37 | 65 |
| 624 | 131 | 42 | 487 | 102 | 73 | 76 | 48 | 18 | 26 | 59 | 38 | 71 |
| 625 | 132 | 2 | 435 | 102 | 73 | 76 | 44 | 18 | 23 | 50 | 40 | 73 |
| 626 | 132 | 23 | 349 | 102 | 74 | 76 | 43 | 20 | 24 | 54 | 48 | 69 |
| 627 | 132 | 43 | 339 | 103 | 73 | 75 | 42 | 18 | 24 | 55 | 39 | 67 |
| 628 | 133 | 3 | 346 | * | 73 | 75 | 40 | 21 | 22 | 55 | 39 | 66 |
| 629 | 133 | 24 | 337 | 103 | 74 | 75 | 42 | 20 | 23 | 57 | 38 | 69 |
| 630 | 133 | 44 | 338 | 103 | 73 | 75 | 42 | 20 | 23 | 54 | 39 | 60 |
| 631 | 134 | 4 | 337 | 103 | 73 | 75 | 44 | 18 | 23 | 55 | 39 | 68 |
| 632 | 134 | 25 | 351 | 102 | 74 | 76 | 44 | 8 | 24 | 57 | 39 | 68 |
| 633 | 134 | 45 | 359 | 103 | 74 | 76 | 44 | 20 | 23 | 53 | 39 | 68 |
| 634 | 135 | 5 | 634 | 103 | 74 | 76 | 44 | 20 | 23 | 53 | 39 | 68 |
| 635 | 135 | 26 | 344 | * | 74 | 76 | 42 | 17 | 23 | 54 | 41 | 66 |
| 636 | 135 | 46 | 343 | * | 74 | 76 | 43 | 17 | 23 | 52 | 40 | 67 |
| 637 | 136 | 6 | 348 | * | 74 | 75 | 43 | 17 | 23 | 52 | 39 | 68 |
| 638 | 136 | 27 | 468 | * | 73 | 76 | 45 | 18 | 25 | 59 | 38 | 69 |
| 639 | 136 | 47 | 478 | 102 | 74 | 76 | 48 | 24 | 26 | 57 | 39 | 68 |
| 640 | 137 | 7 | 402 | 103 | 74 | 76 | 43 | 20 | 26 | 52 | 37 | 67 |
| 641 | 137 | 28 | 366 | 103 | 73 | 76 | 42 | 24 | 24 | 55 | 39 | 65 |
| 642 | 137 | 48 | 398 | * | 74 | 76 | 44 | 23 | 24 | 54 | 38 | 68 |
| 643 | 138 | 8 | 500 | 102 | 74 | 75 | 48 | 19 | 25 | 52 | 36 | 63 |
| 644 | 138 | 29 | 494 | 103 | 74 | 76 | 47 | 20 | 25 | 56 | 37 | 69 |
| 645 | 138 | 49 | 465 | 104 | 74 | 76 | 49 | 20 | 26 | 52 | 38 | 78 |
| 646 | 139 | 9 | 453 | 105 | 75 | 76 | 48 | 17 | 25 | 58 | 37 | 72 |
| 647 | 139 | 30 | 397 | * | 74 | 76 | 43 | 18 | 24 | 59 | 36 | 78 |
| 648 | 139 | 50 | 353 | * | 75 | 76 | 42 | 20 | 22 | 59 | 41 | 72 |
| 649 | 140 | 10 | 401 | * | 74 | 79 | 43 | 20 | 23 | 49 | 39 | 66 |
| 650 | 140 | 30 | 424 | 104 | 74 | 79 | 44 | 22 | 24 | 57 | 36 | 67 |
| 651 | 140 | 50 | 364 | * | 75 | 78 | 39 | 20 | 23 | 58 | 36 | 66 |
| 652 | 141 | 10 | 381 | 104 | 75 | 79 | 42 | 19 | 23 | 57 | 39 | 70 |
| 653 | 141 | 30 | 364 | * | 75 | 78 | 41 | 18 | 23 | 56 | 39 | 69 |
| 654 | 141 | 51 | 363 | 104 | 75 | 79 | 41 | 19 | 23 | 59 | 38 | 69 |
| 655 | 142 | 11 | 363 | * | 75 | 79 | 42 | 21 | 24 | 60 | 40 | 70 |
| 656 | 142 | 31 | 361 | 104 | 74 | 78 | 40 | 16 | 24 | 55 | 38 | 67 |
| 657 | 142 | 51 | 376 | * | 75 | 79 | 42 | 18 | 23 | 55 | 37 | 74 |
| 658 | 143 | 11 | 377 | 104 | 75 | 78 | 41 | 18 | 25 | 55 | 41 | 72 |
| 659 | 143 | 32 | 368 | 103 | 75 | 79 | 43 | 19 | 24 | 57 | 40 | 71 |
| 660 | 143 | 52 | 351 | 104 | 75 | 79 | 41 | 20 | 23 | 52 | 36 | 69 |
| 661 | 144 | 12 | 361 | 104 | 75 | 78 | 42 | 21 | 23 | 57 | 39 | 69 |
| 662 | 144 | 32 | 366 | * | 75 | 79 | 43 | 18 | 25 | 55 | 39 | 69 |
| 663 | 144 | 53 | 353 | 103 | 75 | 79 | 43 | 19 | 25 | 56 | 38 | 68 |
| 664 | 145 | 13 | 354 | 104 | 75 | 78 | 45 | 20 | 26 | 52 | 39 | 69 |
| 665 | 145 | 33 | 377 | 104 | 75 | 79 | 45 | 19 | 26 | 61 | 41 | 74 |
| 666 | 145 | 53 | 364 | 104 | 75 | 79 | 43 | 19 | 24 | 59 | 41 | 73 |

| -S1 SLEEP COUNT | 1-00 TIME MIN. | 1-03 TIME SEC. | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C | 1-15 ROTOR RPM | 1-17 L.H. THROTT POS | 1-18 R.H. THROTT POS | 1-19 | | 1-20 | | 1-21 | | 1-22 | | 1-23 | | 1-24 | |
|-----------------------|----------------------|----------------------|--|----------------------|-------------------------------|-------------------------------|---|------|--|------|---|------|--|------|---|------|---|------|
| | | | | | | | ENG.1 OIL PUMP OUTLET PRESS PSIG | PSIG | ENG.1 SCAV PUMP OUTLET PRESS PSIG | PSIG | ENG.1 FUEL BOOST PUMP OUTLET PRESS PSIG | PSIG | ENG.1 NOSE GEAR BOX OIL PRESS PSIG | PSIG | ACCESS GEAR BOX OIL PRESS PSIG | PSIG | MAIN GEAR BOX OIL PRESS PSIG | PSIG |
| 667 | 146 | 13 | 361 | 104 | 75 | 79 | 42 | 18 | 23 | 57 | 35 | 74 | | | | | | |
| 668 | 146 | 33 | 361 | 104 | 75 | 79 | 44 | 24 | 23 | 55 | 45 | 72 | | | | | | |
| 669 | 146 | 54 | 356 | 104 | 75 | 79 | 45 | 22 | 23 | 55 | 48 | 72 | | | | | | |
| 670 | 147 | 14 | 352 | 104 | 75 | 79 | 43 | 22 | 26 | 57 | 37 | 68 | | | | | | |
| 671 | 147 | 34 | 359 | 104 | 75 | 79 | 43 | 21 | 24 | 56 | 39 | 70 | | | | | | |
| 672 | 147 | 54 | 362 | 104 | 75 | 79 | 43 | 22 | 24 | 56 | 37 | 73 | | | | | | |
| 673 | 148 | 14 | 377 | 104 | 75 | 79 | 45 | 22 | 24 | 57 | 38 | 74 | | | | | | |
| 674 | 148 | 34 | 357 | 104 | 75 | 79 | 43 | 22 | 23 | 51 | 36 | 70 | | | | | | |
| 675 | 148 | 55 | 352 | 104 | 75 | 79 | 45 | 28 | 23 | 57 | 38 | 72 | | | | | | |
| 676 | 149 | 15 | 358 | 104 | 75 | 79 | 44 | 28 | 29 | 57 | 39 | 69 | | | | | | |
| 677 | 149 | 35 | 352 | 104 | 75 | 79 | 44 | 21 | 22 | 54 | 40 | 69 | | | | | | |
| 678 | 149 | 55 | 353 | 104 | 75 | 79 | 44 | 19 | 24 | 54 | 40 | 70 | | | | | | |
| 679 | 150 | 16 | 352 | 104 | 75 | 79 | 45 | 18 | 25 | 55 | 38 | 68 | | | | | | |
| 680 | 150 | 36 | 352 | 103 | 75 | 79 | 45 | 31 | 25 | 55 | 38 | 69 | | | | | | |
| 681 | 150 | 56 | 358 | 104 | 75 | 79 | 46 | 22 | 24 | 59 | 43 | 70 | | | | | | |
| 682 | 151 | 16 | 351 | 103 | 75 | 79 | 45 | 21 | 26 | 56 | 39 | 70 | | | | | | |
| 683 | 151 | 37 | 347 | 104 | 75 | 79 | 45 | 19 | 28 | 54 | 37 | 68 | | | | | | |
| 684 | 151 | 57 | 351 | 104 | 75 | 79 | 45 | 18 | 28 | 54 | 37 | 68 | | | | | | |
| 685 | 152 | 17 | 358 | 103 | 75 | 79 | 44 | 21 | 28 | 59 | 39 | 69 | | | | | | |
| 686 | 152 | 37 | 352 | 103 | 75 | 79 | 44 | 21 | 28 | 59 | 39 | 69 | | | | | | |
| 687 | 152 | 58 | 349 | 104 | 75 | 79 | 44 | 21 | 23 | 55 | 36 | 67 | | | | | | |
| 688 | 153 | 18 | 351 | 104 | 75 | 79 | 45 | 20 | 24 | 57 | 38 | 69 | | | | | | |
| 689 | 153 | 34 | 348 | 104 | 75 | 79 | 45 | 23 | 25 | 57 | 37 | 69 | | | | | | |
| 690 | 153 | 58 | 347 | 104 | 75 | 79 | 45 | 21 | 23 | 56 | 39 | 69 | | | | | | |
| 691 | 154 | 19 | 347 | 104 | 75 | 79 | 44 | 23 | 24 | 57 | 39 | 69 | | | | | | |
| 692 | 154 | 39 | 347 | 104 | 75 | 79 | 45 | 23 | 24 | 57 | 39 | 69 | | | | | | |
| 693 | 154 | 59 | 329 | 102 | 77 | 79 | 45 | 19 | 25 | 57 | 40 | 70 | | | | | | |
| 694 | 155 | 19 | 328 | 102 | 77 | 79 | 48 | 20 | 23 | 55 | 40 | 68 | | | | | | |
| 695 | 155 | 40 | 328 | 102 | 77 | 79 | 48 | 24 | 27 | 55 | 41 | 69 | | | | | | |
| 696 | 156 | 0 | 230 | 102 | 77 | 79 | 46 | 22 | 25 | 56 | 41 | 70 | | | | | | |
| 697 | 156 | 20 | 151 | 103 | 77 | 79 | 45 | 20 | 26 | 57 | 38 | 69 | | | | | | |
| 698 | 156 | 41 | 125 | 103 | 77 | 79 | 46 | 22 | 25 | 55 | 39 | 69 | | | | | | |
| 699 | 157 | 1 | 111 | 103 | 76 | 79 | 44 | 18 | 23 | 54 | 36 | 68 | | | | | | |
| 700 | 157 | 41 | 122 | 53 | 2 | 3 | 6 | 7 | 10 | 16 | 16 | 36 | | | | | | |
| 701 | 158 | 1 | 127 | 34 | 2 | 4 | * | 1 | 14 | 2 | 1 | 18 | | | | | | |
| 702 | 158 | 22 | 135 | 24 | 2 | 4 | * | 1 | 19 | 1 | 1 | 18 | | | | | | |
| 703 | 158 | 42 | 137 | * | 2 | 3 | * | 0 | 22 | 1 | 1 | 18 | | | | | | |

HH-53C S/N 60-10354
 ARCTIC TEST
 15 JANUARY 1971
 RUN NO. 3 -40 DEG C/ -40 DEG F

| -01 SHEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-25 ENG.#1 BLEED AIR PRESS PSIG | 1-26 ENG.#1 FUEL PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|---|--|
| 272 | 11 | 28 | 5 | 2 |
| 273 | 11 | 47 | 6 | 2 |
| 274 | 12 | 7 | 6 | 2 |
| 275 | 12 | 27 | 5 | 2 |
| 276 | 12 | 45 | 4 | 1 |
| 277 | 13 | 5 | 4 | 1 |
| 278 | 13 | 24 | 4 | 1 |
| 279 | 13 | 44 | 5 | 1 |
| 280 | 14 | 3 | 4 | 1 |
| 281 | 14 | 23 | 4 | 1 |
| 282 | 14 | 42 | 4 | 1 |
| 283 | 15 | 2 | 3 | 1 |
| 284 | 15 | 21 | 4 | 1 |
| 285 | 15 | 41 | 5 | 1 |
| 286 | 16 | 0 | 4 | 1 |
| 287 | 16 | 20 | 5 | 1 |
| 288 | 16 | 39 | 4 | 1 |
| 289 | 16 | 56 | 4 | 1 |
| 290 | 17 | 18 | 3 | 1 |
| 291 | 17 | 37 | 4 | 1 |
| 292 | 17 | 57 | 4 | 1 |
| 293 | 18 | 16 | 4 | 1 |
| 294 | 18 | 35 | 4 | 1 |
| 295 | 18 | 55 | 5 | 1 |
| 296 | 19 | 14 | 5 | 1 |
| 297 | 19 | 33 | 4 | 1 |
| 298 | 19 | 53 | 2 | 1 |
| 299 | 20 | 12 | 4 | 1 |
| 300 | 20 | 32 | 5 | 1 |
| 301 | 20 | 51 | 4 | 1 |
| 302 | 21 | 10 | 4 | 1 |
| 303 | 21 | 30 | 3 | 1 |
| 304 | 21 | 49 | 4 | 1 |
| 305 | 22 | 9 | 3 | 1 |
| 306 | 22 | 28 | 4 | 1 |
| 307 | 22 | 48 | 5 | 1 |
| 308 | 23 | 7 | 3 | 1 |
| 309 | 23 | 26 | 3 | 1 |
| 310 | 23 | 46 | 3 | 0 |
| 311 | 24 | 5 | 3 | 1 |
| 312 | 24 | 25 | 2 | 0 |
| 313 | 24 | 44 | 3 | 1 |
| 314 | 25 | 4 | 3 | 0 |
| 315 | 25 | 23 | 3 | 1 |
| 316 | 25 | 43 | 3 | 1 |

| -01 SWEEP COUNT | 1-02 | | 1-03 | | 1-25 | | 1-26 | | | | |
|-----------------------|------|------|------|------|-----------------|-----|----------------|------|-------|-------|------|
| | TIME | MIN. | TIME | SEC. | ENG.#1 BLEED | AIR | ENG.#1 FUEL | PUMP | INLET | PRESS | PSIG |
| 317 | 26 | | 2 | | 2 | | 1 | | | | |
| 318 | 26 | | 22 | | 4 | | 1 | | | | |
| 319 | 26 | | 41 | | 2 | | 1 | | | | |
| 320 | 27 | | 1 | | 3 | | 0 | | | | |
| 321 | 27 | | 21 | | 3 | | 1 | | | | |
| 322 | 27 | | 40 | | 3 | | 1 | | | | |
| 323 | 28 | | 0 | | 3 | | 1 | | | | |
| 324 | 28 | | 19 | | 3 | | 1 | | | | |
| 325 | 28 | | 39 | | 3 | | 1 | | | | |
| 326 | 28 | | 59 | | 2 | | 0 | | | | |
| 327 | 29 | | 14 | | 2 | | 1 | | | | |
| 328 | 29 | | 38 | | 3 | | 1 | | | | |
| 329 | 29 | | 58 | | 3 | | 0 | | | | |
| 330 | 30 | | 17 | | 3 | | 0 | | | | |
| 331 | 30 | | 37 | | 3 | | 1 | | | | |
| 332 | 30 | | 57 | | 3 | | 1 | | | | |
| 333 | 31 | | 16 | | 4 | | 0 | | | | |
| 334 | 31 | | 36 | | 2 | | 1 | | | | |
| 335 | 31 | | 56 | | 2 | | 0 | | | | |
| 336 | 32 | | 16 | | 2 | | 0 | | | | |
| 337 | 32 | | 36 | | 2 | | 1 | | | | |
| 338 | 32 | | 55 | | 2 | | 0 | | | | |
| 339 | 33 | | 15 | | 3 | | 0 | | | | |
| 340 | 33 | | 35 | | 3 | | 0 | | | | |
| 341 | 33 | | 55 | | 2 | | 1 | | | | |
| 342 | 34 | | 15 | | 3 | | 0 | | | | |
| 343 | 34 | | 34 | | 2 | | 0 | | | | |
| 344 | 34 | | 54 | | 3 | | 0 | | | | |
| 345 | 35 | | 14 | | 2 | | 1 | | | | |
| 346 | 35 | | 34 | | 2 | | 0 | | | | |
| 347 | 35 | | 54 | | 2 | | 0 | | | | |
| 348 | 36 | | 14 | | 3 | | 0 | | | | |
| 349 | 36 | | 34 | | 1 | | 0 | | | | |
| 350 | 36 | | 53 | | 1 | | 0 | | | | |
| 351 | 37 | | 13 | | 3 | | 0 | | | | |
| 352 | 37 | | 33 | | 2 | | 0 | | | | |
| 353 | 37 | | 53 | | 2 | | 0 | | | | |
| 354 | 38 | | 13 | | 2 | | 0 | | | | |
| 355 | 38 | | 33 | | 2 | | 0 | | | | |
| 356 | 38 | | 53 | | 2 | | 0 | | | | |
| 357 | 39 | | 13 | | 2 | | 0 | | | | |
| 358 | 39 | | 33 | | 2 | | 0 | | | | |
| 359 | 39 | | 53 | | 0 | | 0 | | | | |
| 360 | 40 | | 13 | | 2 | | 0 | | | | |
| 361 | 40 | | 33 | | 2 | | 0 | | | | |
| 362 | 40 | | 53 | | 2 | | 0 | | | | |
| 363 | 41 | | 13 | | 2 | | 0 | | | | |
| 364 | 41 | | 33 | | 2 | | 0 | | | | |
| 365 | 41 | | 53 | | 1 | | 0 | | | | |
| 366 | 42 | | 13 | | 3 | | 0 | | | | |

| -01 SWEEP COUNT | 1-02 | | 1-03 | | 1-25 | | 1-26 | |
|-----------------------|--------------|------|-----------------------|------|-----------------------|------|--------------------------------|------|
| | TIME MIN. | SEC. | ENG.1 BLEED AIR | PSIG | ENG.1 BLEED AIR | PSIG | ENG.1 FUEL PUMP INLET | PSIG |
| 367 | 42 | 33 | 2 | 2 | 0 | 0 | 0 | 0 |
| 368 | 42 | 53 | 2 | 2 | 0 | 0 | 0 | 0 |
| 369 | 43 | 13 | 2 | 2 | 0 | 0 | 0 | 0 |
| 370 | 43 | 33 | 2 | 2 | 0 | 0 | 0 | 0 |
| 371 | 43 | 53 | 2 | 2 | 0 | 0 | 0 | 0 |
| 372 | 44 | 13 | 2 | 2 | 0 | 0 | 0 | 0 |
| 373 | 44 | 33 | 2 | 2 | 0 | 0 | 0 | 0 |
| 374 | 44 | 53 | 3 | 3 | 0 | 0 | 0 | 0 |
| 375 | 45 | 13 | 3 | 3 | 0 | 0 | 0 | 0 |
| 376 | 45 | 33 | 2 | 2 | 0 | 0 | 0 | 0 |
| 377 | 45 | 53 | 2 | 2 | 0 | 0 | 0 | 0 |
| 378 | 46 | 13 | 2 | 2 | 0 | 0 | 0 | 0 |
| 379 | 46 | 33 | 3 | 3 | 1 | 1 | 1 | 1 |
| 380 | 46 | 53 | 2 | 2 | 1 | 1 | 1 | 1 |
| 381 | 47 | 13 | 3 | 3 | 1 | 1 | 1 | 1 |
| 382 | 47 | 33 | 3 | 3 | 1 | 1 | 1 | 1 |
| 383 | 47 | 53 | 3 | 3 | 0 | 0 | 0 | 0 |
| 384 | 48 | 13 | 3 | 3 | 1 | 1 | 1 | 1 |
| 385 | 48 | 34 | 3 | 3 | 1 | 1 | 1 | 1 |
| 386 | 48 | 54 | 3 | 3 | 1 | 1 | 1 | 1 |
| 387 | 49 | 14 | 3 | 3 | 1 | 1 | 1 | 1 |
| 388 | 49 | 34 | 3 | 3 | 1 | 1 | 1 | 1 |
| 389 | 49 | 54 | 3 | 3 | 1 | 1 | 1 | 1 |
| 390 | 50 | 14 | 2 | 2 | 1 | 1 | 1 | 1 |
| 391 | 50 | 34 | 3 | 3 | 1 | 1 | 1 | 1 |
| 392 | 50 | 54 | 3 | 3 | 0 | 0 | 0 | 0 |
| 393 | 51 | 14 | 3 | 3 | 0 | 0 | 0 | 0 |
| 394 | 51 | 35 | 3 | 3 | 1 | 1 | 1 | 1 |
| 395 | 51 | 55 | 3 | 3 | 0 | 0 | 0 | 0 |
| 396 | 52 | 15 | 3 | 3 | 1 | 1 | 1 | 1 |
| 397 | 52 | 35 | 4 | 4 | 1 | 1 | 1 | 1 |
| 398 | 52 | 55 | 4 | 4 | 2 | 2 | 2 | 2 |
| 399 | 53 | 15 | 3 | 3 | 3 | 3 | 3 | 3 |
| 400 | 53 | 35 | 2 | 2 | 2 | 2 | 2 | 2 |
| 401 | 53 | 55 | 3 | 3 | 2 | 2 | 2 | 2 |
| 402 | 54 | 16 | 2 | 2 | 2 | 2 | 2 | 2 |
| 403 | 54 | 36 | 3 | 3 | 2 | 2 | 2 | 2 |
| 404 | 54 | 56 | 4 | 4 | 2 | 2 | 2 | 2 |
| 405 | 55 | 16 | 4 | 4 | 2 | 2 | 2 | 2 |
| 406 | 55 | 36 | 3 | 3 | 3 | 3 | 3 | 3 |
| 407 | 55 | 56 | 3 | 3 | 3 | 3 | 3 | 3 |
| 408 | 56 | 16 | 3 | 3 | 3 | 3 | 3 | 3 |
| 409 | 56 | 37 | 3 | 3 | 3 | 3 | 3 | 3 |
| 410 | 56 | 57 | 3 | 3 | 5 | 5 | 5 | 5 |
| 411 | 57 | 17 | 3 | 3 | 7 | 7 | 7 | 7 |
| 412 | 57 | 37 | 4 | 4 | 4 | 4 | 4 | 4 |
| 413 | 57 | 57 | 3 | 3 | 7 | 7 | 7 | 7 |
| 414 | 58 | 17 | 3 | 3 | 7 | 7 | 7 | 7 |
| 415 | 58 | 37 | 4 | 4 | 7 | 7 | 7 | 7 |
| 416 | 58 | 57 | 3 | 3 | 7 | 7 | 7 | 7 |

| -01 SWEET COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-25 ENG.1 BLEED AIR PRESS PSIG | 1-26 ENG.1 FUEL PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---|
| 417 | 59 | 17 | 3 | 7 |
| 418 | 59 | 37 | 3 | 7 |
| 419 | 59 | 57 | 4 | 7 |
| 420 | 60 | 17 | 4 | 7 |
| 421 | 60 | 37 | 4 | 7 |
| 422 | 60 | 58 | 6 | 8 |
| 423 | 61 | 18 | 3 | 8 |
| 424 | 61 | 38 | 3 | 5 |
| 425 | 61 | 58 | 5 | 5 |
| 426 | 62 | 18 | 19 | 14 |
| 427 | 62 | 38 | 39 | 21 |
| 428 | 62 | 58 | 39 | 21 |
| 429 | 63 | 18 | 39 | 20 |
| 430 | 63 | 39 | 39 | 20 |
| 431 | 63 | 59 | 36 | 20 |
| 432 | 64 | 19 | 35 | 19 |
| 433 | 64 | 39 | 55 | 24 |
| 434 | 64 | 59 | 89 | 24 |
| 435 | 65 | 19 | 62 | 22 |
| 436 | 65 | 39 | 95 | 25 |
| 437 | 65 | 59 | 109 | 26 |
| 438 | 66 | 19 | 87 | 23 |
| 439 | 66 | 39 | 86 | 25 |
| 440 | 66 | 59 | 86 | 25 |
| 441 | 67 | 19 | 87 | 23 |
| 442 | 67 | 39 | 87 | 24 |
| 443 | 67 | 59 | 87 | 23 |
| 444 | 68 | 19 | 87 | 23 |
| 445 | 68 | 39 | 89 | 23 |
| 446 | 68 | 59 | 87 | 25 |
| 447 | 69 | 19 | 87 | 25 |
| 448 | 69 | 39 | 87 | 23 |
| 449 | 70 | 8 | 88 | 24 |
| 450 | 70 | 28 | 87 | 25 |
| 451 | 70 | 48 | 87 | 26 |
| 452 | 71 | 8 | 89 | 24 |
| 453 | 71 | 20 | 86 | 25 |
| 454 | 71 | 40 | 88 | 25 |
| 455 | 72 | 0 | 90 | 25 |
| 456 | 72 | 20 | 90 | 25 |
| 457 | 72 | 40 | 88 | 26 |
| 458 | 73 | 1 | 89 | 23 |
| 459 | 73 | 21 | 89 | 24 |
| 460 | 73 | 41 | 90 | 24 |
| 461 | 74 | 1 | 90 | 24 |
| 462 | 74 | 21 | 89 | 23 |
| 463 | 74 | 41 | 88 | 25 |
| 464 | 75 | 1 | 89 | 23 |
| 465 | 75 | 22 | 89 | 23 |
| 466 | 75 | 42 | 95 | 25 |

| -01 SWEEP COUNT | 1-02 | | 1-03 | | 1-25 | | 1-26 | |
|-----------------------|--------------|------|------|------|--|--|--|--|
| | TIME MIN. | SEC. | TIME | SEC. | ENG.1 BLEED AIR PRESS PSIG | FUEL PUMP INLET PRESS PSIG | ENG.1 BLEED AIR PRESS PSIG | FUEL PUMP INLET PRESS PSIG |
| 467 | 76 | 2 | | | 92 | 24 | 92 | 24 |
| 468 | 76 | 22 | | | 96 | 25 | 96 | 25 |
| 469 | 76 | 42 | | | 93 | 25 | 93 | 25 |
| 470 | 77 | 3 | | | 92 | 25 | 92 | 25 |
| 471 | 77 | 23 | | | 95 | 25 | 95 | 25 |
| 472 | 77 | 43 | | | 89 | 25 | 89 | 25 |
| 473 | 78 | 3 | | | 93 | 24 | 93 | 24 |
| 474 | 78 | 23 | | | 91 | 26 | 91 | 26 |
| 475 | 78 | 43 | | | 95 | 25 | 95 | 25 |
| 476 | 79 | 4 | | | 92 | 25 | 92 | 25 |
| 477 | 79 | 24 | | | 90 | 23 | 90 | 23 |
| 478 | 79 | 44 | | | 87 | 23 | 87 | 23 |
| 479 | 80 | 4 | | | 90 | 24 | 90 | 24 |
| 480 | 80 | 25 | | | 87 | 24 | 87 | 24 |
| 481 | 80 | 45 | | | 92 | 23 | 92 | 23 |
| 482 | 81 | 5 | | | 93 | 26 | 93 | 26 |
| 483 | 81 | 25 | | | 91 | 23 | 91 | 23 |
| 484 | 81 | 46 | | | 92 | 25 | 92 | 25 |
| 485 | 82 | 6 | | | 135 | 31 | 135 | 31 |
| 486 | 82 | 26 | | | 143 | 31 | 143 | 31 |
| 487 | 82 | 47 | | | 143 | 23 | 143 | 23 |
| 488 | 83 | 7 | | | 137 | 15 | 137 | 15 |
| 489 | 83 | 27 | | | 125 | 31 | 125 | 31 |
| 490 | 83 | 48 | | | 107 | 25 | 107 | 25 |
| 491 | 84 | 8 | | | 111 | 24 | 111 | 24 |
| 492 | 84 | 28 | | | 113 | 23 | 113 | 23 |
| 493 | 84 | 48 | | | 119 | 39 | 119 | 39 |
| 494 | 85 | 8 | | | 120 | 21 | 120 | 21 |
| 495 | 85 | 29 | | | 124 | 25 | 124 | 25 |
| 496 | 85 | 49 | | | 120 | 18 | 120 | 18 |
| 497 | 86 | 9 | | | 120 | 25 | 120 | 25 |
| 498 | 86 | 30 | | | 124 | 31 | 124 | 31 |
| 499 | 86 | 50 | | | 120 | 18 | 120 | 18 |
| 500 | 87 | 10 | | | 126 | 31 | 126 | 31 |
| 501 | 87 | 30 | | | 127 | 25 | 127 | 25 |
| 502 | 87 | 51 | | | 129 | 16 | 129 | 16 |
| 503 | 88 | 11 | | | 126 | 17 | 126 | 17 |
| 504 | 88 | 31 | | | 127 | 28 | 127 | 28 |
| 505 | 88 | 52 | | | 126 | 17 | 126 | 17 |
| 506 | 89 | 12 | | | 126 | 17 | 126 | 17 |
| 507 | 89 | 32 | | | 131 | 31 | 131 | 31 |
| 508 | 89 | 53 | | | 128 | 31 | 128 | 31 |
| 509 | 90 | 13 | | | 128 | 15 | 128 | 15 |
| 510 | 90 | 33 | | | 132 | 31 | 132 | 31 |
| 511 | 90 | 54 | | | 131 | 31 | 131 | 31 |
| 512 | 91 | 14 | | | 125 | 31 | 125 | 31 |
| 513 | 91 | 34 | | | 126 | 31 | 126 | 31 |
| 514 | 91 | 55 | | | 125 | 31 | 125 | 31 |
| 515 | 92 | 16 | | | 121 | 15 | 121 | 15 |
| 516 | 92 | 36 | | | 123 | 25 | 123 | 25 |

| SWEPP COUNT | 1-02 | | 1-03 | | 1-25 | | 1-26 | |
|----------------|--------------|------|--------------|------|-----------------------|---------------|---|---------------|
| | TIME MIN. | SEC. | TIME SEC. | SEC. | ENG.1 BLEED AIR | PRESS PSIG | ENG.1 FUEL PUMP INLET PRESS PSIG | PRESS PSIG |
| 517 | 92 | | 57 | | 123 | | 36 | |
| 518 | 93 | | 20 | | 124 | | 39 | |
| 519 | 95 | | 37 | | 123 | | 21 | |
| 520 | 95 | | 58 | | 123 | | 31 | |
| 521 | 95 | | 19 | | 123 | | 31 | |
| 522 | 96 | | 39 | | 122 | | 28 | |
| 523 | 97 | | 0 | | 128 | | 23 | |
| 524 | 97 | | 20 | | 129 | | 23 | |
| 525 | 97 | | 41 | | 123 | | 31 | |
| 526 | 98 | | 1 | | 123 | | 23 | |
| 527 | 98 | | 22 | | 124 | | 25 | |
| 528 | 98 | | 43 | | 127 | | 25 | |
| 529 | 99 | | 3 | | 124 | | 25 | |
| 530 | 99 | | 24 | | 123 | | 18 | |
| 531 | 99 | | 44 | | 120 | | 20 | |
| 532 | 100 | | 5 | | 117 | | 29 | |
| 533 | 100 | | 25 | | 121 | | 38 | |
| 534 | 100 | | 46 | | 123 | | 25 | |
| 535 | 101 | | 6 | | 123 | | 23 | |
| 536 | 101 | | 27 | | 125 | | 25 | |
| 537 | 101 | | 47 | | 122 | | 24 | |
| 538 | 102 | | 8 | | 124 | | 38 | |
| 539 | 102 | | 29 | | 125 | | 28 | |
| 540 | 102 | | 49 | | 123 | | 25 | |
| 541 | 103 | | 10 | | 90 | | 23 | |
| 542 | 103 | | 30 | | 129 | | 28 | |
| 543 | 103 | | 51 | | 121 | | 25 | |
| 544 | 104 | | 11 | | 121 | | 25 | |
| 545 | 104 | | 32 | | 117 | | 24 | |
| 546 | 104 | | 52 | | 118 | | 28 | |
| 547 | 105 | | 12 | | 116 | | 25 | |
| 548 | 105 | | 33 | | 117 | | 25 | |
| 549 | 105 | | 53 | | 121 | | 25 | |
| 550 | 106 | | 14 | | 117 | | 25 | |
| 551 | 106 | | 34 | | 119 | | 24 | |
| 552 | 106 | | 55 | | 118 | | 24 | |
| 553 | 107 | | 15 | | 119 | | 25 | |
| 554 | 107 | | 36 | | 119 | | 25 | |
| 555 | 107 | | 56 | | 117 | | 25 | |
| 556 | 108 | | 17 | | 119 | | 24 | |
| 557 | 108 | | 37 | | 118 | | 23 | |
| 558 | 108 | | 58 | | 116 | | 23 | |
| 559 | 109 | | 18 | | 117 | | 25 | |
| 560 | 109 | | 39 | | 119 | | 28 | |
| 561 | 109 | | 59 | | 118 | | 23 | |
| 562 | 110 | | 19 | | 119 | | 25 | |
| 563 | 110 | | 40 | | 118 | | 30 | |
| 564 | 111 | | 0 | | 119 | | 25 | |
| 565 | 111 | | 21 | | 119 | | 28 | |
| 566 | 111 | | 41 | | 116 | | 25 | |

| -01 SWEEP COUNT | 1-D2 TIME MIN. | 1-D3 TIME SEC. | 1-25 ENG.#1 BLEED AIR PRESS PSIG | 1-26 ENG.#1 FUEL PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|---|--|
| 567 | 112 | 2 | 120 | 25 |
| 568 | 112 | 22 | 119 | 25 |
| 569 | 112 | 43 | 119 | 25 |
| 570 | 113 | 3 | 120 | 25 |
| 571 | 113 | 24 | 118 | 26 |
| 572 | 113 | 44 | 117 | 25 |
| 573 | 114 | 4 | 117 | 25 |
| 574 | 114 | 25 | 116 | 24 |
| 575 | 114 | 45 | 117 | 23 |
| 576 | 115 | 5 | 119 | 23 |
| 577 | 115 | 26 | 117 | 25 |
| 578 | 115 | 46 | 119 | 23 |
| 579 | 116 | 7 | 119 | 28 |
| 580 | 116 | 27 | 118 | 25 |
| 581 | 116 | 47 | 117 | 24 |
| 582 | 117 | 8 | 118 | 28 |
| 583 | 117 | 28 | 115 | 24 |
| 584 | 117 | 48 | 117 | 23 |
| 585 | 118 | 9 | 123 | 23 |
| 586 | 118 | 29 | 107 | 25 |
| 587 | 118 | 49 | 119 | 23 |
| 588 | 119 | 10 | 120 | 25 |
| 589 | 119 | 30 | 120 | 24 |
| 590 | 119 | 51 | 120 | 28 |
| 591 | 120 | 11 | 119 | 28 |
| 592 | 120 | 31 | 119 | 24 |
| 593 | 120 | 52 | 119 | 29 |
| 594 | 121 | 12 | 119 | 28 |
| 595 | 121 | 32 | 116 | 24 |
| 596 | 121 | 53 | 115 | 26 |
| 597 | 122 | 13 | 116 | 24 |
| 598 | 122 | 33 | 117 | 24 |
| 599 | 122 | 54 | 116 | 25 |
| 600 | 123 | 34 | 116 | 24 |
| 601 | 123 | 55 | 116 | 25 |
| 602 | 124 | 15 | 113 | 28 |
| 603 | 124 | 35 | 113 | 28 |
| 604 | 124 | 56 | 114 | 30 |
| 605 | 125 | 16 | 111 | 28 |
| 606 | 125 | 36 | 110 | 30 |
| 607 | 125 | 57 | 108 | 23 |
| 608 | 126 | 17 | 110 | 23 |
| 609 | 126 | 37 | 122 | 31 |
| 610 | 126 | 54 | 120 | 23 |
| 611 | 127 | 18 | 119 | 15 |
| 612 | 127 | 38 | 120 | 16 |
| 613 | 127 | 59 | 120 | 25 |
| 614 | 128 | 19 | 122 | 15 |
| 615 | 128 | 40 | 120 | 30 |
| 616 | 129 | 3 | 117 | 31 |

| SWEEP COUNT | 1-12 TIME MT. | 4-03 TIME SEC. | 1-25 ENG. 1 BLEED ATR PRESS PSIG | 1-26 ENG. 1 FUEL PUMP INLET PRESS PSIG |
|----------------|---------------------|----------------------|---|--|
| 617 | 129 | 20 | 103 | 23 |
| 618 | 129 | 40 | 98 | 25 |
| 619 | 130 | 1 | 99 | 25 |
| 620 | 130 | 21 | 100 | 25 |
| 621 | 130 | 41 | 95 | 23 |
| 622 | 131 | 1 | 103 | 25 |
| 623 | 131 | 22 | 129 | 31 |
| 624 | 131 | 42 | 120 | 23 |
| 625 | 132 | 2 | 96 | 25 |
| 626 | 132 | 23 | 89 | 25 |
| 627 | 132 | 43 | 87 | 25 |
| 628 | 133 | 3 | 87 | 25 |
| 629 | 133 | 24 | 87 | 24 |
| 630 | 133 | 44 | 89 | 24 |
| 631 | 134 | 4 | 87 | 23 |
| 632 | 134 | 25 | 92 | 23 |
| 633 | 134 | 45 | 89 | 23 |
| 634 | 135 | 5 | 89 | 23 |
| 635 | 135 | 26 | 87 | 23 |
| 636 | 135 | 46 | 87 | 24 |
| 637 | 136 | 6 | 93 | 25 |
| 638 | 136 | 27 | 114 | 23 |
| 639 | 136 | 47 | 124 | 25 |
| 640 | 137 | 7 | 104 | 23 |
| 641 | 137 | 28 | 100 | 24 |
| 642 | 137 | 48 | 121 | 25 |
| 643 | 138 | 8 | 116 | 21 |
| 644 | 138 | 29 | 130 | 31 |
| 645 | 138 | 49 | 128 | 31 |
| 646 | 139 | 9 | 113 | 29 |
| 647 | 139 | 30 | 100 | 24 |
| 648 | 139 | 50 | 98 | 23 |
| 649 | 140 | 10 | 106 | 25 |
| 650 | 140 | 30 | 114 | 28 |
| 651 | 140 | 50 | 86 | 24 |
| 652 | 141 | 10 | 90 | 24 |
| 653 | 141 | 30 | 84 | 25 |
| 654 | 141 | 51 | 66 | 25 |
| 655 | 142 | 11 | 83 | 24 |
| 656 | 142 | 31 | 83 | 25 |
| 657 | 142 | 51 | 89 | 23 |
| 658 | 143 | 11 | 86 | 24 |
| 659 | 143 | 32 | 88 | 24 |
| 660 | 143 | 52 | 87 | 25 |
| 661 | 144 | 12 | 85 | 23 |
| 662 | 144 | 32 | 86 | 23 |
| 663 | 144 | 53 | 84 | 25 |
| 664 | 145 | 13 | 90 | 25 |
| 665 | 145 | 33 | 88 | 23 |
| 666 | 145 | 53 | 86 | 24 |

| -01 SWEET COUNT | 1-02 | | 1-03 | | 1-25 | | 1-26 | |
|-----------------------|--------------|------|------|------|-----------------------|---------------|--|------|
| | TIME MIN. | SEC. | TIME | SEC. | ENG-1 BLEED AIR | PRESS PSIG | ENG-1 FUELS PUMP INLET PRESS | PSIG |
| 667 | 146 | | 33 | | 87 | | 25 | |
| 668 | 146 | | 33 | | 87 | | 25 | |
| 669 | 146 | | 34 | | 84 | | 24 | |
| 670 | 147 | | 34 | | 83 | | 25 | |
| 671 | 147 | | 34 | | 85 | | 23 | |
| 672 | 147 | | 34 | | 85 | | 25 | |
| 673 | 148 | | 34 | | 81 | | 24 | |
| 674 | 148 | | 34 | | 84 | | 25 | |
| 675 | 148 | | 35 | | 81 | | 23 | |
| 676 | 149 | | 35 | | 84 | | 25 | |
| 677 | 149 | | 35 | | 84 | | 25 | |
| 678 | 149 | | 35 | | 84 | | 25 | |
| 679 | 150 | | 36 | | 83 | | 22 | |
| 680 | 150 | | 36 | | 83 | | 25 | |
| 681 | 150 | | 36 | | 82 | | 25 | |
| 682 | 151 | | 36 | | 83 | | 24 | |
| 683 | 151 | | 37 | | 83 | | 24 | |
| 684 | 151 | | 37 | | 82 | | 25 | |
| 685 | 152 | | 37 | | 81 | | 25 | |
| 686 | 152 | | 37 | | 83 | | 23 | |
| 687 | 152 | | 38 | | 81 | | 24 | |
| 688 | 153 | | 38 | | 82 | | 23 | |
| 689 | 153 | | 38 | | 83 | | 24 | |
| 690 | 153 | | 38 | | 84 | | 23 | |
| 691 | 154 | | 39 | | 83 | | 25 | |
| 692 | 154 | | 39 | | 84 | | 25 | |
| 693 | 154 | | 39 | | 84 | | 23 | |
| 694 | 155 | | 39 | | 105 | | 25 | |
| 695 | 155 | | 40 | | 104 | | 26 | |
| 696 | 156 | | 40 | | 105 | | 26 | |
| 697 | 156 | | 41 | | 102 | | 24 | |
| 698 | 156 | | 41 | | 105 | | 23 | |
| 699 | 157 | | 41 | | 101 | | 23 | |
| 700 | 157 | | 41 | | 5 | | 11 | |
| 701 | 158 | | 41 | | 1 | | 14 | |
| 702 | 158 | | 42 | | 2 | | 17 | |
| 703 | 158 | | 42 | | 1 | | 22 | |

HH-53C S/N 6A-10354
ARCTIC TEST
15 JANUARY 1971
RUN NO. 3 -40 DEG C/ -40 DEG F

| -01 SNEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-05 1STAGE HYD. PUMP INLET PRESS PSIG | 2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG | 2-07 1STAGE HYD. SERVO CYL.) PRESS PSIG | 2-08 2STAGE HYD. PUMP INLET PRESS PSIG | 2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2-10 2STAGE HYD. (AFT SERVO CYL.) PRESS PSIG | 2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PRESS PSIG | 2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PRESS PSIG | 2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PRESS PSIG | 2-14 UTIL. HYD. PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---|---|--|---|---|---|--|---|---|
| 272 | 11 | 30 | 2 | 115 | 125 | 2 | 125 | 109 | 48 | 44 | 50 | 1 |
| 273 | 11 | 50 | 2 | 110 | 110 | 2 | 120 | 114 | 52 | 46 | 52 | 2 |
| 274 | 12 | 110 | 2 | 110 | 110 | 2 | 110 | 114 | 52 | 50 | 55 | 2 |
| 275 | 12 | 29 | 2 | 125 | 115 | 2 | 120 | 139 | 58 | 56 | 46 | 2 |
| 276 | 12 | 47 | 0 | 75 | 85 | 27 | 2795 | 2092 | 102 | 108 | 80 | 24 |
| 277 | 13 | 7 | 1 | 50 | 180 | 31 | 2950 | 2937 | 76 | 70 | 64 | 24 |
| 278 | 13 | 26 | 0 | 55 | 65 | 29 | 3120 | 3121 | 70 | 66 | 68 | 24 |
| 279 | 13 | 46 | 1 | 55 | 85 | 27 | 3210 | 3310 | 68 | 70 | 68 | 28 |
| 280 | 14 | 5 | 0 | 65 | 70 | 38 | 3245 | 3195 | 68 | 66 | 58 | 31 |
| 281 | 14 | 25 | 1 | 65 | 70 | 31 | 3160 | 3131 | 68 | 68 | 68 | 31 |
| 282 | 14 | 44 | 0 | 70 | 75 | 32 | 3120 | 3166 | 76 | 66 | 68 | 32 |
| 283 | 15 | 4 | 1 | 50 | 90 | 32 | 3200 | 3086 | 64 | 62 | 60 | 31 |
| 284 | 15 | 23 | 1 | 55 | 75 | 28 | 3100 | 3096 | 68 | 64 | 60 | 31 |
| 285 | 15 | 43 | 0 | 60 | 55 | 31 | 3040 | 3155 | 64 | 62 | 60 | 31 |
| 286 | 16 | 2 | 0 | 70 | 65 | 29 | 3120 | 3111 | 62 | 56 | 54 | 31 |
| 287 | 16 | 22 | 0 | 50 | 70 | 40 | 3120 | 3121 | 68 | 60 | 58 | 34 |
| 288 | 16 | 41 | 1 | 60 | 75 | 29 | 3080 | 3031 | 78 | 62 | 62 | 34 |
| 289 | 17 | 1 | 1 | 60 | 60 | 32 | 3160 | 3136 | 68 | 66 | 56 | 31 |
| 290 | 17 | 20 | 1 | 50 | 75 | 27 | 3085 | 3131 | 68 | 64 | 56 | 34 |
| 291 | 17 | 39 | 0 | 35 | 75 | 32 | 3125 | 3131 | 66 | 64 | 54 | 34 |
| 292 | 17 | 59 | 0 | 55 | 75 | 34 | 3065 | 3131 | 68 | 68 | 46 | 32 |
| 293 | 18 | 18 | 1 | 55 | 100 | 32 | 3095 | 3096 | 64 | 54 | 50 | 31 |
| 294 | 18 | 37 | 0 | 35 | 100 | 31 | 3060 | 3056 | 62 | 60 | 62 | 31 |
| 295 | 18 | 57 | 1 | 50 | 75 | 31 | 3105 | 3121 | 54 | 60 | 60 | 32 |
| 296 | 19 | 16 | 0 | 55 | 88 | 35 | 3060 | 3101 | 68 | 66 | 58 | 32 |
| 297 | 19 | 36 | 0 | 50 | 90 | 34 | 3120 | 3086 | 68 | 68 | 68 | 32 |
| 298 | 19 | 55 | 1 | 55 | 90 | 30 | 3045 | 3091 | 60 | 50 | 54 | 33 |
| 299 | 20 | 14 | 0 | 50 | 75 | 33 | 3020 | 3081 | 62 | 62 | 48 | 32 |
| 300 | 20 | 34 | 0 | 50 | 60 | 32 | 3100 | 3066 | 68 | 50 | 58 | 32 |
| 301 | 20 | 53 | 0 | 55 | 50 | 21 | 3120 | 3141 | 68 | 68 | 55 | 34 |
| 302 | 21 | 13 | 1 | 70 | 90 | 29 | 3140 | 3091 | 60 | 56 | 48 | 32 |
| 303 | 21 | 32 | 1 | 30 | 120 | 32 | 3120 | 3036 | 68 | 50 | 50 | 32 |
| 304 | 21 | 51 | 0 | 25 | 100 | 21 | 3105 | 3096 | 68 | 68 | 44 | 32 |
| 305 | 22 | 11 | 1 | 55 | 75 | 21 | 3095 | 3121 | 68 | 66 | 55 | 34 |
| 306 | 22 | 30 | 0 | 55 | 90 | 34 | 3080 | 3091 | 68 | 68 | 58 | 31 |
| 307 | 22 | 50 | 1 | 60 | 70 | 26 | 3080 | 3076 | 60 | 54 | 46 | 32 |
| 308 | 23 | 9 | 1 | 40 | 60 | 33 | 3080 | 3076 | 52 | 58 | 48 | 32 |
| 309 | 23 | 29 | 0 | 55 | 70 | 13 | 3055 | 3041 | 60 | 56 | 52 | 32 |
| 310 | 23 | 48 | 0 | 60 | 60 | 33 | 3060 | 3056 | 62 | 62 | 58 | 32 |
| 311 | 24 | 7 | 0 | 50 | 75 | 40 | 3020 | 3091 | 62 | 56 | 44 | 31 |
| 312 | 24 | 27 | 0 | 50 | 55 | 29 | 3120 | 3081 | 62 | 52 | 46 | 32 |
| 313 | 24 | 46 | 1 | 50 | 75 | 29 | 3020 | 3071 | 62 | 52 | 48 | 31 |
| 314 | 25 | 6 | 1 | 55 | 75 | 22 | 3065 | 3066 | 68 | 58 | 34 | 38 |
| 315 | 25 | 25 | 1 | 50 | 55 | 40 | 3038 | 3056 | 60 | 60 | 46 | 30 |
| 316 | 25 | 45 | 0 | 50 | 60 | 32 | 3070 | 3056 | 56 | 50 | 40 | 32 |

| 2-00 | 2-01 | 2-02 | 2-03 | 2-04 | 2-05 | 2-06 | 2-07 | 2-08 | 2-09 | 2-10 | 2-11 | 2-12 | 2-13 | 2-14 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME |
| MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. |
| | | | SEC. | | | | PSIG | PSIG | PSIG | PSIG | PSIG | PSIG | PSIG | PSIG |
| 367 | 42 | 35 | | 25 | 50 | 24 | 3060 | 3060 | 3060 | 3060 | 44 | 44 | 36 | 34 |
| 368 | 42 | 55 | | 10 | 40 | 34 | 3050 | 3050 | 3050 | 3050 | 34 | 34 | 34 | 33 |
| 369 | 43 | 15 | | 15 | 35 | 25 | 3060 | 3060 | 3060 | 3060 | 38 | 38 | 30 | 32 |
| 370 | 43 | 35 | | 25 | 40 | 24 | 3050 | 3050 | 3050 | 3050 | 44 | 42 | 36 | 34 |
| 371 | 43 | 55 | | 10 | 40 | 41 | 3045 | 3045 | 3045 | 3045 | 44 | 40 | 36 | 32 |
| 372 | 44 | 15 | | 20 | 40 | 21 | 3045 | 3045 | 3045 | 3045 | 30 | 30 | 28 | 31 |
| 373 | 44 | 35 | | 15 | 55 | 30 | 3070 | 3070 | 3070 | 3070 | 44 | 44 | 36 | 31 |
| 374 | 44 | 55 | | 20 | 40 | 32 | 3020 | 3020 | 3020 | 3020 | 34 | 34 | 36 | 31 |
| 375 | 45 | 15 | | 25 | 45 | 24 | 3010 | 3010 | 3010 | 3010 | 42 | 42 | 40 | 34 |
| 376 | 45 | 35 | | 40 | 40 | 21 | 3045 | 3045 | 3045 | 3045 | 46 | 44 | 38 | 34 |
| 377 | 45 | 55 | | 40 | 50 | 21 | 3015 | 3015 | 3015 | 3015 | 56 | 56 | 38 | 38 |
| 378 | 46 | 15 | | 40 | 50 | 30 | 3070 | 3070 | 3070 | 3070 | 44 | 44 | 40 | 32 |
| 379 | 46 | 35 | | 15 | 40 | 27 | 3060 | 3060 | 3060 | 3060 | 48 | 48 | 40 | 32 |
| 380 | 46 | 55 | | 30 | 50 | 21 | 3045 | 3045 | 3045 | 3045 | 34 | 34 | 34 | 32 |
| 381 | 47 | 15 | | 40 | 45 | 24 | 3005 | 3005 | 3005 | 3005 | 50 | 50 | 44 | 31 |
| 382 | 47 | 35 | | 40 | 60 | 21 | 3020 | 3020 | 3020 | 3020 | 46 | 44 | 44 | 32 |
| 383 | 47 | 55 | | 40 | 35 | 41 | 3045 | 3045 | 3045 | 3045 | 42 | 42 | 40 | 32 |
| 384 | 48 | 16 | | 30 | 35 | 36 | 3050 | 3050 | 3050 | 3050 | 58 | 58 | 40 | 33 |
| 385 | 48 | 35 | | 50 | 50 | 32 | 3005 | 3005 | 3005 | 3005 | 52 | 52 | 42 | 31 |
| 386 | 48 | 55 | | 35 | 55 | 41 | 3055 | 3055 | 3055 | 3055 | 44 | 44 | 44 | 30 |
| 387 | 49 | 16 | | 40 | 55 | 41 | 3045 | 3045 | 3045 | 3045 | 50 | 50 | 44 | 30 |
| 388 | 49 | 36 | | 40 | 50 | 21 | 3060 | 3060 | 3060 | 3060 | 42 | 42 | 44 | 38 |
| 389 | 49 | 56 | | 40 | 40 | 34 | 3020 | 3020 | 3020 | 3020 | 42 | 42 | 42 | 38 |
| 390 | 50 | 16 | | 50 | 60 | 33 | 3010 | 3010 | 3010 | 3010 | 44 | 44 | 38 | 30 |
| 391 | 50 | 37 | | 50 | 50 | 26 | 2915 | 2915 | 2915 | 2915 | 68 | 68 | 33 | 30 |
| 392 | 50 | 57 | | 30 | 50 | 36 | 2980 | 2980 | 2980 | 2980 | 44 | 44 | 40 | 31 |
| 393 | 51 | 17 | | 30 | 45 | 33 | 3080 | 3080 | 3080 | 3080 | 46 | 46 | 44 | 31 |
| 394 | 51 | 37 | | 55 | 50 | 34 | 3090 | 3090 | 3090 | 3090 | 40 | 40 | 44 | 31 |
| 395 | 51 | 57 | | 35 | 50 | 21 | 3020 | 3020 | 2991 | 2991 | 48 | 48 | 38 | 33 |
| 396 | 52 | 17 | | 50 | 40 | 30 | 3045 | 3045 | 3045 | 3045 | 46 | 46 | 40 | 34 |
| 397 | 52 | 37 | | 25 | 40 | 26 | 3010 | 3010 | 3026 | 3026 | 42 | 42 | 36 | 32 |
| 398 | 52 | 57 | | 35 | 50 | 21 | 3050 | 3050 | 3021 | 3021 | 44 | 44 | 34 | 31 |
| 399 | 53 | 17 | | 35 | 50 | 29 | 2825 | 2825 | 3006 | 3006 | 181 | 181 | 44 | 34 |
| 400 | 53 | 36 | | 35 | 55 | 21 | 3015 | 3015 | 3041 | 3041 | 1091 | 1091 | 44 | 34 |
| 401 | 53 | 53 | | 25 | 55 | 21 | 3050 | 3050 | 3016 | 3016 | 1093 | 1093 | 40 | 38 |
| 402 | 54 | 18 | | 55 | 50 | 25 | 3050 | 3050 | 3031 | 3031 | 1093 | 1093 | 42 | 34 |
| 403 | 54 | 38 | | 30 | 50 | 25 | 3045 | 3045 | 3051 | 3051 | 1083 | 1083 | 38 | 33 |
| 404 | 54 | 58 | | 40 | 50 | 41 | 3045 | 3045 | 3051 | 3051 | 1083 | 1083 | 42 | 31 |
| 405 | 55 | 16 | | 35 | 50 | 30 | 3025 | 3025 | 3031 | 3031 | 1088 | 1088 | 44 | 34 |
| 406 | 55 | 39 | | 35 | 55 | 34 | 3060 | 3060 | 3031 | 3031 | 1083 | 1083 | 38 | 34 |
| 407 | 55 | 59 | | 40 | 50 | 21 | 3050 | 3050 | 3051 | 3051 | 1877 | 1877 | 44 | 34 |
| 408 | 56 | 19 | | 35 | 55 | 17 | 3060 | 3060 | 3051 | 3051 | 1073 | 1073 | 44 | 32 |
| 409 | 56 | 39 | | 50 | 45 | 17 | 3015 | 3015 | 3036 | 3036 | 1065 | 1065 | 66 | 38 |
| 410 | 56 | 59 | | 45 | 50 | 25 | 3060 | 3060 | 3051 | 3051 | 1065 | 1065 | 44 | 38 |
| 411 | 57 | 19 | | 2708 | 2510 | 32 | 3045 | 3045 | 3071 | 3071 | 1061 | 1078 | 44 | 33 |
| 412 | 57 | 39 | | 2995 | 2901 | 21 | 3045 | 3045 | 3081 | 3081 | 1061 | 1078 | 44 | 31 |
| 413 | 57 | 59 | | 3026 | 2901 | 24 | 3060 | 3060 | 3041 | 3041 | 1071 | 1069 | 38 | 38 |
| 414 | 58 | 19 | | 3061 | 85 | 40 | 3020 | 3020 | 3066 | 3066 | 56 | 56 | 34 | 34 |
| 415 | 58 | 39 | | 3031 | 3052 | 33 | 3030 | 3030 | 3091 | 3091 | 44 | 44 | 44 | 31 |
| 416 | 58 | 59 | | 3066 | 3027 | 36 | 3045 | 3045 | 3056 | 3056 | 1801 | 1801 | 44 | 31 |

| TIME | 2-14 | 2-13 | 2-12 | 2-11 | 2-10 | 2-09 | 2-08 | 2-07 | 2-06 | 2-05 | 2-03 | 2-02 |
|------|----------------------------------|-----------------------------------|-------------------------------------|--|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|------------------------------------|-----------------------------------|-------------|-----------|
| MIN. | UTIL. HYD. PUMP INLET PRESS PSIG | UTIL. HYD. AFCS 2 (P/R) CHAN PSIG | 2STAGE AFCS 1 (COLL./YAN) CHAN PSIG | 2STAGE AFCS 1 (PITCH) (WOLL) CHAN PSIG | 2STAGE HYD. (AFT) SERVO (CYL.) PSIG | 2STAGE HYD. (AFT) OUTLET PRESS PSIG | 2STAGE HYD. PUMP INLET PRESS PSIG | 1STAGE HYD. (AFT) SERVO (CYL.) PSIG | 1STAGE HYD. PUMP OUTLET PRESS PSIG | 1STAGE HYD. PUMP INLET PRESS PSIG | TIME S.C.O. | TIME MIN. |
| 467 | 31 | 42 | 1082 | 1067 | 3016 | 3085 | 32 | 3077 | 3066 | 32 | 4 | 76 |
| 468 | 31 | 42 | 1082 | 1081 | 3136 | 3085 | 40 | 3112 | 3066 | 20 | 24 | 76 |
| 469 | 31 | 42 | 1084 | 1071 | 3046 | 3085 | 24 | 3132 | 3041 | 49 | 45 | 76 |
| 470 | 32 | 44 | 1088 | 1081 | 3081 | 3095 | 21 | 3092 | 3041 | 21 | 5 | 77 |
| 471 | 32 | 44 | 1082 | 1077 | 3056 | 3120 | 32 | 3072 | 3071 | 41 | 25 | 77 |
| 472 | 28 | 38 | 1084 | 1069 | 3071 | 3085 | 33 | 3062 | 3046 | 25 | 45 | 77 |
| 473 | 31 | 42 | 1069 | 1075 | 3091 | 3120 | 32 | 3117 | 3081 | 49 | 5 | 78 |
| 474 | 31 | 50 | 1096 | 1089 | 3136 | 3085 | 25 | 3117 | 3086 | 40 | 26 | 78 |
| 475 | 30 | 44 | 1086 | 1089 | 3081 | 3120 | 24 | 3107 | 3081 | 29 | 46 | 78 |
| 476 | 34 | 42 | 1082 | 1073 | 3121 | 3120 | 27 | 3102 | 3121 | 22 | 6 | 79 |
| 477 | 30 | 42 | 1075 | 1077 | 3056 | 3120 | 25 | 3047 | 3066 | 36 | 26 | 79 |
| 478 | 38 | 46 | 1088 | 1077 | 3036 | 3120 | 27 | 3132 | 3051 | 21 | 47 | 79 |
| 479 | 32 | 46 | 1096 | 1079 | 3036 | 3200 | 40 | 3132 | 3141 | 22 | 7 | 80 |
| 480 | 28 | 46 | 1110 | 1103 | 3031 | 3125 | 33 | 3092 | 3126 | 32 | 27 | 80 |
| 481 | 26 | 66 | 1124 | 1117 | 3174 | 3105 | 33 | 3182 | 3151 | 21 | 47 | 80 |
| 482 | 39 | 46 | 1092 | 1075 | 3061 | 3068 | 40 | 3107 | 3081 | 31 | 8 | 81 |
| 483 | 34 | 42 | 1084 | 1079 | 3066 | 3065 | 32 | 3117 | 3141 | 16 | 28 | 81 |
| 484 | 34 | 42 | 1082 | 1085 | 3096 | 3095 | 32 | 3092 | 3121 | 23 | 46 | 81 |
| 485 | 27 | 50 | 1092 | 1089 | 3031 | 3115 | 40 | 3092 | 3086 | 32 | 9 | 82 |
| 486 | 31 | 72 | 1114 | 1095 | 3126 | 3200 | 40 | 3197 | 3081 | 24 | 29 | 82 |
| 487 | 33 | 38 | 1073 | 1073 | 3081 | 3087 | 24 | 3092 | 3066 | 34 | 49 | 82 |
| 488 | 33 | 40 | 1086 | 1077 | 3091 | 3070 | 32 | 3117 | 3141 | 21 | 9 | 83 |
| 489 | 42 | 42 | 1086 | 1069 | 3081 | 3085 | 26 | 3082 | 3041 | 48 | 30 | 83 |
| 490 | 31 | 35 | 1082 | 1067 | 3081 | 3120 | 32 | 3182 | 3081 | 22 | 50 | 83 |
| 491 | 40 | 40 | 1088 | 1077 | 3086 | 3100 | 20 | 3077 | 3066 | 40 | 10 | 84 |
| 492 | 36 | 40 | 1878 | 1077 | 3086 | 3095 | 23 | 3132 | 3051 | 24 | 30 | 84 |
| 493 | 40 | 40 | 1092 | 1075 | 3091 | 3140 | 27 | 3132 | 3091 | 32 | 51 | 84 |
| 494 | 31 | 40 | 1088 | 1083 | 3091 | 3095 | 20 | 3122 | 3066 | 25 | 11 | 85 |
| 495 | 32 | 32 | 1088 | 1069 | 3086 | 3085 | 25 | 3102 | 3046 | 28 | 31 | 85 |
| 496 | 40 | 40 | 1078 | 1077 | 3086 | 3080 | 32 | 3117 | 3066 | 21 | 51 | 85 |
| 497 | 32 | 40 | 1078 | 1077 | 3101 | 3080 | 21 | 3077 | 3081 | 49 | 12 | 86 |
| 498 | 32 | 42 | 1073 | 1073 | 3101 | 3120 | 21 | 3077 | 3076 | 49 | 32 | 86 |
| 499 | 30 | 32 | 1078 | 1077 | 3081 | 3105 | 25 | 3077 | 3051 | 25 | 52 | 86 |
| 500 | 29 | 30 | 1078 | 1075 | 3081 | 3085 | 25 | 3072 | 3041 | 20 | 12 | 87 |
| 501 | 32 | 40 | 1088 | 1075 | 3076 | 3085 | 32 | 3077 | 3051 | 29 | 33 | 87 |
| 502 | 34 | 36 | 1088 | 1081 | 3081 | 3120 | 27 | 3077 | 3066 | 24 | 53 | 87 |
| 503 | 32 | 40 | 1082 | 1079 | 3086 | 3080 | 32 | 3092 | 3091 | 48 | 13 | 88 |
| 504 | 40 | 40 | 1082 | 1085 | 3091 | 3085 | 32 | 3077 | 3086 | 24 | 34 | 88 |
| 505 | 30 | 34 | 1088 | 1077 | 3086 | 3086 | 40 | 3117 | 3081 | 48 | 54 | 88 |
| 506 | 30 | 40 | 1094 | 1081 | 3091 | 3120 | 32 | 3152 | 3066 | 34 | 14 | 89 |
| 507 | 29 | 34 | 1094 | 1071 | 3041 | 3095 | 21 | 3117 | 3020 | 30 | 35 | 89 |
| 508 | 40 | 40 | 1082 | 1081 | 3021 | 3085 | 40 | 3112 | 3041 | 40 | 55 | 89 |
| 509 | 42 | 42 | 1080 | 1087 | 3071 | 3085 | 25 | 3107 | 3056 | 19 | 15 | 90 |
| 510 | 30 | 38 | 1096 | 1077 | 3056 | 3080 | 19 | 3107 | 3071 | 49 | 16 | 90 |
| 511 | 30 | 30 | 1088 | 1079 | 3081 | 3080 | 32 | 3092 | 3091 | 41 | 56 | 91 |
| 512 | 40 | 40 | 1088 | 1061 | 3096 | 3085 | 21 | 3082 | 3076 | 24 | 16 | 91 |
| 513 | 33 | 40 | 1082 | 1075 | 3086 | 3100 | 27 | 3102 | 3081 | 24 | 37 | 91 |
| 514 | 33 | 40 | 1090 | 1087 | 2986 | 3120 | 25 | 3077 | 3091 | 21 | 57 | 91 |
| 515 | 34 | 40 | 1088 | 1081 | 3081 | 3095 | 20 | 3102 | 3046 | 41 | 18 | 92 |
| 516 | 48 | 48 | 1088 | 1081 | 3111 | 3205 | 21 | 3077 | 3066 | 24 | 38 | 92 |

| -01 SWEET COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-05 1STAGE HYD. PUMP INLET PRESS PSIG | 2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG | 2-07 1STAGE HYD. SERVO CYL.) PSIG | 2-08 2STAGE HYD. PUMP INLET PRESS PSIG | 2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2-10 2STAGE HYD. SERVO CYL.) PSIG | 2-11 2STAGE AFCS 1 (PITCH /ROLL CHAM) PSIG | 2-12 2STAGE AFCS 1 (COLL- /YAW CHAM) PSIG | 2-13 UTIL. HYD. AFCS 2 (P/R CHAM) PSIG | 2-14 UTIL. HYD. PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---|--|--|---|--|--|---|--|---|
| 517 | 92 | 59 | 31 | 3131 | 3132 | 32 | 3200 | 3066 | 1097 | 1096 | 44 | 31 |
| 518 | 93 | 23 | 16 | 3141 | 3152 | 32 | 3200 | 3150 | 1091 | 1104 | 46 | 33 |
| 519 | 95 | 40 | 28 | 3041 | 3112 | 40 | 3065 | 3091 | 1075 | 1084 | 40 | 31 |
| 520 | 96 | 0 | 24 | 3040 | 3057 | 27 | 3030 | 3106 | 1081 | 1084 | 42 | 32 |
| 521 | 96 | 21 | 48 | 3051 | 3092 | 32 | 3128 | 3081 | 1085 | 1088 | 50 | 30 |
| 522 | 96 | 41 | 25 | 3066 | 3077 | 22 | 3045 | 3151 | 1083 | 1080 | 34 | 31 |
| 523 | 97 | 2 | 24 | 3222 | 3072 | 41 | 3065 | 3076 | 1061 | 1096 | 42 | 31 |
| 524 | 97 | 23 | 28 | 3051 | 3107 | 21 | 3095 | 3096 | 1085 | 1088 | 36 | 31 |
| 525 | 97 | 43 | 32 | 3041 | 3077 | 21 | 2995 | 3096 | 1081 | 1086 | 42 | 33 |
| 526 | 98 | 4 | 21 | 3071 | 3102 | 17 | 3095 | 3076 | 1081 | 1082 | 38 | 30 |
| 527 | 98 | 24 | 21 | 3121 | 3097 | 25 | 3095 | 3096 | 1067 | 1092 | 44 | 32 |
| 528 | 98 | 45 | 29 | 3071 | 3092 | 32 | 3060 | 3091 | 1081 | 1080 | 44 | 32 |
| 529 | 99 | 6 | 17 | 3041 | 3077 | 25 | 3020 | 3071 | 1089 | 1084 | 36 | 31 |
| 530 | 99 | 26 | 24 | 3066 | 3077 | 21 | 3410 | 2902 | 1085 | 1088 | 44 | 33 |
| 531 | 99 | 47 | 32 | 3051 | 3102 | 21 | * | * | 1087 | 1080 | 36 | 33 |
| 532 | 100 | 7 | 14 | 3141 | 3107 | 40 | 3140 | 3076 | 1089 | 1088 | 46 | 33 |
| 533 | 100 | 26 | 28 | 3020 | 3077 | 40 | 3065 | 3046 | 1071 | 1080 | 40 | 31 |
| 534 | 100 | 49 | 24 | 2945 | 3112 | 40 | 3065 | 3031 | 1083 | 1194 | 44 | 30 |
| 535 | 101 | 9 | 22 | 3091 | 3072 | 40 | 3200 | 3056 | 1089 | 1080 | 30 | 32 |
| 536 | 101 | 29 | 24 | 3081 | 3112 | 40 | 3020 | 3150 | 1085 | 1086 | 40 | 31 |
| 537 | 101 | 50 | 25 | 3081 | 3112 | 21 | 3095 | 3091 | 1083 | 1096 | 48 | 31 |
| 538 | 102 | 10 | 24 | 3066 | 3092 | 21 | 3095 | 3091 | 1083 | 1088 | 44 | 32 |
| 539 | 102 | 31 | 24 | 3066 | 3097 | 27 | 3030 | 3086 | 1079 | 1096 | 34 | 32 |
| 540 | 102 | 51 | 14 | 3046 | 3107 | 32 | 3105 | 3051 | 1087 | 1086 | 40 | 32 |
| 541 | 103 | 12 | 24 | 3076 | 3107 | 40 | 2995 | 3051 | 1087 | 1086 | 34 | 34 |
| 542 | 103 | 32 | 24 | 3081 | 3112 | 32 | 3120 | 3086 | 1081 | 1090 | 36 | 26 |
| 543 | 103 | 53 | 23 | 3222 | 3112 | 24 | 3065 | 3011 | 1079 | 1092 | 36 | 31 |
| 544 | 104 | 13 | 32 | 3066 | 3072 | 25 | 3045 | 3121 | 1085 | 1088 | 44 | 27 |
| 545 | 104 | 34 | 49 | 3081 | 3087 | 33 | 3120 | 3056 | 1085 | 1080 | 34 | 31 |
| 546 | 104 | 54 | 25 | 3116 | 3112 | 36 | 3060 | 3131 | 1079 | 1088 | 42 | 30 |
| 547 | 105 | 15 | 32 | 3066 | 3072 | 27 | 3130 | 3046 | 1083 | 1082 | 26 | 30 |
| 548 | 105 | 35 | 24 | 3056 | 3092 | 27 | 3040 | 3116 | 1089 | 1092 | 42 | 27 |
| 549 | 105 | 56 | 27 | 3066 | 3092 | 21 | 3095 | 3096 | 1075 | 1092 | 42 | 27 |
| 550 | 106 | 16 | 24 | 3116 | 3102 | 33 | 3095 | 3086 | 1067 | 1108 | 42 | 30 |
| 551 | 106 | 37 | 17 | 3066 | 3112 | 40 | 3060 | 3051 | 1077 | 1108 | 44 | 33 |
| 552 | 106 | 57 | 24 | 3121 | 3087 | 19 | 3045 | 3131 | 1089 | 1092 | 44 | 30 |
| 553 | 107 | 18 | 19 | 3051 | 3072 | 29 | 3200 | 3066 | 1085 | 1082 | 40 | 30 |
| 554 | 107 | 38 | 32 | 3111 | 3117 | 32 | 3005 | 3071 | 1089 | 1094 | 46 | 34 |
| 555 | 107 | 59 | 24 | 3096 | 3117 | 25 | 3120 | 3071 | 1079 | 1078 | 40 | 29 |
| 556 | 108 | 19 | 24 | 3116 | 3112 | 21 | 3045 | 3066 | 1085 | 1108 | 44 | 30 |
| 557 | 108 | 40 | 21 | 3141 | 3092 | 21 | 3060 | 3136 | 1075 | 1094 | 40 | 34 |
| 558 | 109 | 0 | 49 | 3081 | 3077 | 25 | 3080 | 3076 | 1093 | 1092 | 46 | 33 |
| 559 | 109 | 20 | 25 | 3026 | 3107 | 32 | 3060 | 3041 | 1077 | 1084 | 36 | 32 |
| 560 | 109 | 41 | 48 | 3141 | 3122 | 23 | 3095 | 3091 | 1085 | 1098 | 60 | 29 |
| 561 | 110 | 1 | 41 | 3051 | 3092 | 40 | 3005 | 3071 | 1077 | 1088 | 38 | 30 |
| 562 | 110 | 22 | 24 | 3066 | 3077 | 26 | 3045 | 3071 | 1077 | 1094 | 34 | 30 |
| 563 | 110 | 42 | 24 | 3116 | 3117 | 30 | 3200 | 3061 | 1075 | 1092 | 40 | 28 |
| 564 | 111 | 111 | 29 | 3046 | 3132 | 21 | 3060 | 3091 | 1077 | 1088 | 44 | 30 |
| 565 | 111 | 23 | 20 | 3066 | 3107 | 37 | 3005 | 3101 | 1105 | 1105 | 46 | 31 |
| 566 | 111 | 44 | 31 | 3101 | 3162 | 27 | 3100 | 3101 | 1085 | 1092 | 34 | 31 |

| SAFE COUNT | TIME | SEC. | 2-0 | | 2-03 | | 2-05 | | 2-06 | | 2-07 | | 2-08 | | 2-09 | | 2-10 | | 2-11 | | 2-12 | | 2-13 | | 2-14 | |
|---------------|------|------|-------|------|------|------|-------|-------|------|------|------|--------|-------|------|------|------|-------|-------|------|------|------|-------|-------|------|------|------|
| | | | MIN. | PSIG | HYD. | PUMP | INLET | PRESS | PSIG | HYD. | PUMP | OUTLET | PRESS | PSIG | HYD. | PUMP | INLET | PRESS | PSIG | HYD. | PUMP | INLET | PRESS | PSIG | HYD. | PUMP |
| 567 | 112 | 4 | 30.81 | 3127 | 32 | 3120 | 3131 | 1861 | 1866 | 32 | 29 | | | | | | | | | | | | | | | |
| 568 | 112 | 23 | 30.51 | 3117 | 25 | 3209 | 3046 | 1043 | 1090 | 60 | 33 | | | | | | | | | | | | | | | |
| 569 | 112 | 45 | 30.81 | 3117 | 60 | 3030 | 3141 | 1877 | 1890 | 30 | 31 | | | | | | | | | | | | | | | |
| 570 | 113 | 18 | 31.41 | 3107 | 32 | 3095 | 3091 | 1883 | 1884 | 44 | 44 | | | | | | | | | | | | | | | |
| 571 | 113 | 26 | 31.21 | 3077 | 32 | 3060 | 3101 | 1869 | 1898 | 36 | 27 | | | | | | | | | | | | | | | |
| 572 | 113 | 46 | 30.41 | 3107 | 27 | 3080 | 3036 | 1831 | 1886 | 42 | 31 | | | | | | | | | | | | | | | |
| 573 | 114 | 7 | 30.66 | 3122 | 21 | 3005 | 3051 | 1841 | 1888 | 36 | 32 | | | | | | | | | | | | | | | |
| 574 | 114 | 27 | 30.81 | 3077 | 32 | 3085 | 3031 | 1881 | 1886 | 32 | 32 | | | | | | | | | | | | | | | |
| 575 | 114 | 47 | + | 3117 | 27 | 3060 | 3056 | 1877 | 1882 | 48 | 32 | | | | | | | | | | | | | | | |
| 576 | 115 | 8 | 30.41 | 3107 | 29 | 3095 | 3056 | 1881 | 1894 | 48 | 32 | | | | | | | | | | | | | | | |
| 577 | 115 | 28 | 30.41 | 3077 | 32 | 3120 | 3091 | 1881 | 1888 | 34 | 32 | | | | | | | | | | | | | | | |
| 578 | 115 | 49 | 30.51 | 3097 | 28 | 3095 | 3091 | 1881 | 1882 | 30 | 30 | | | | | | | | | | | | | | | |
| 579 | 116 | 9 | 30.56 | 3112 | 22 | 3060 | 3036 | 1875 | 1882 | 34 | 32 | | | | | | | | | | | | | | | |
| 580 | 116 | 29 | 30.86 | 3197 | 40 | 3005 | 3091 | 1885 | 1898 | 42 | 32 | | | | | | | | | | | | | | | |
| 581 | 116 | 53 | 31.41 | 3122 | 32 | 3095 | 3071 | 1887 | 1878 | 36 | 30 | | | | | | | | | | | | | | | |
| 582 | 117 | 10 | 31.41 | 3042 | 21 | 3060 | 3101 | 1879 | 1866 | 32 | 33 | | | | | | | | | | | | | | | |
| 583 | 117 | 30 | 30.66 | 3042 | 23 | 3020 | 3150 | 1885 | 1884 | 48 | 30 | | | | | | | | | | | | | | | |
| 584 | 117 | 51 | 29.85 | 3107 | 24 | 3065 | 3041 | 1887 | 1898 | 44 | 32 | | | | | | | | | | | | | | | |
| 585 | 118 | 11 | 30.66 | 3092 | 32 | 3050 | 2991 | 1877 | 1884 | 38 | 28 | | | | | | | | | | | | | | | |
| 586 | 118 | 31 | 30.81 | 3077 | 21 | 3100 | 3056 | 1869 | 1873 | 44 | 32 | | | | | | | | | | | | | | | |
| 587 | 118 | 52 | 31.86 | 3112 | 33 | 3120 | 3006 | 1845 | 1888 | 40 | 30 | | | | | | | | | | | | | | | |
| 588 | 119 | 12 | 31.41 | 3087 | 32 | 3045 | 3086 | 1869 | 1898 | 34 | 32 | | | | | | | | | | | | | | | |
| 589 | 119 | 33 | 30.81 | 3187 | 22 | 3060 | 3061 | 1881 | 1892 | 32 | 32 | | | | | | | | | | | | | | | |
| 590 | 119 | 53 | 30.81 | 3077 | 29 | 3065 | 3081 | 1881 | 1866 | 40 | 31 | | | | | | | | | | | | | | | |
| 591 | 120 | 13 | 30.41 | 3077 | 40 | 3060 | 3111 | 1879 | 1868 | 36 | 28 | | | | | | | | | | | | | | | |
| 592 | 120 | 34 | 30.81 | 3087 | 19 | 3240 | 3046 | 1885 | 1894 | 44 | 29 | | | | | | | | | | | | | | | |
| 593 | 120 | 54 | 30.41 | 3092 | 27 | 3045 | 3021 | 1873 | 1888 | 48 | 32 | | | | | | | | | | | | | | | |
| 594 | 121 | 15 | 30.66 | 3082 | 21 | 3060 | 3081 | 1877 | 1888 | 36 | 28 | | | | | | | | | | | | | | | |
| 595 | 121 | 35 | 31.21 | 3077 | 41 | 3045 | 3086 | 1873 | 1894 | 42 | 32 | | | | | | | | | | | | | | | |
| 596 | 121 | 55 | 31.81 | 3117 | 21 | 3005 | 3091 | 1875 | 1892 | 40 | 30 | | | | | | | | | | | | | | | |
| 597 | 121 | 16 | 30.66 | 3092 | 40 | 3200 | 3071 | 1885 | 1898 | 40 | 29 | | | | | | | | | | | | | | | |
| 598 | 122 | 36 | 30.91 | 3097 | 21 | 3080 | 3066 | 1889 | 1888 | 44 | 30 | | | | | | | | | | | | | | | |
| 599 | 122 | 56 | 30.81 | 3077 | 21 | 3095 | 3056 | 1881 | 1888 | 36 | 32 | | | | | | | | | | | | | | | |
| 600 | 123 | 37 | 30.41 | 3132 | 25 | 3160 | 3146 | 1885 | 1888 | 26 | 31 | | | | | | | | | | | | | | | |
| 601 | 123 | 57 | 30.41 | 3107 | 22 | 3065 | 3091 | 1883 | 1894 | 52 | 33 | | | | | | | | | | | | | | | |
| 602 | 124 | 17 | 30.61 | 3077 | 24 | 2885 | 3131 | 1883 | 1892 | 34 | 32 | | | | | | | | | | | | | | | |
| 603 | 124 | 38 | 30.41 | 3057 | 28 | 3045 | 3071 | 1873 | 1888 | 38 | 31 | | | | | | | | | | | | | | | |
| 604 | 124 | 58 | 31.41 | 3117 | 32 | 3160 | 3091 | 1881 | 1898 | 60 | 31 | | | | | | | | | | | | | | | |
| 605 | 125 | 18 | 30.91 | 3117 | 32 | 3095 | 3106 | 1881 | 1898 | 48 | 33 | | | | | | | | | | | | | | | |
| 606 | 125 | 39 | 30.66 | 3092 | 24 | 3045 | 3066 | 1887 | 1884 | 40 | 34 | | | | | | | | | | | | | | | |
| 607 | 125 | 59 | 31.41 | 3107 | 32 | 3120 | 3096 | 1881 | 1890 | 44 | 31 | | | | | | | | | | | | | | | |
| 608 | 126 | 19 | 31.41 | 3112 | 32 | 3120 | 3091 | 1881 | 1886 | 60 | 31 | | | | | | | | | | | | | | | |
| 609 | 126 | 40 | 30.66 | 3112 | 32 | 3200 | 3091 | 1889 | 1878 | 44 | 30 | | | | | | | | | | | | | | | |
| 610 | 127 | 0 | 29.85 | 3132 | 25 | 3040 | 3111 | 1889 | 1898 | 44 | 30 | | | | | | | | | | | | | | | |
| 611 | 127 | 20 | 30.66 | 3092 | 21 | 3185 | 3081 | 1871 | 1878 | 34 | 30 | | | | | | | | | | | | | | | |
| 612 | 127 | 41 | 31.41 | 3077 | 52 | 3120 | 3096 | 1887 | 1886 | 38 | 30 | | | | | | | | | | | | | | | |
| 613 | 128 | 1 | 31.91 | 3117 | 29 | 3045 | 3117 | 1875 | 1882 | 46 | 38 | | | | | | | | | | | | | | | |
| 614 | 128 | 22 | 30.51 | 2961 | 26 | 3085 | 3046 | 1893 | 1896 | 60 | 32 | | | | | | | | | | | | | | | |
| 615 | 128 | 42 | 30.51 | 3062 | 23 | 3095 | 3081 | 1875 | 1882 | 40 | 32 | | | | | | | | | | | | | | | |
| 616 | 129 | 2 | 30.81 | 3092 | 22 | 3400 | 2986 | 1881 | 1886 | 46 | 30 | | | | | | | | | | | | | | | |

| -01 SWEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-05 1STAGE HYD. PUMP INLET PRESS PSIG | 2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG | 2-07 1STAGE HYD. PUMP SERVO CYL. PSIG | 2-08 2STAGE HYD. PUMP INLET PRESS PSIG | 2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2-10 2STAGE HYD. PUMP SERVO CYL. PSIG | 2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG | 2-12 2STAGE AFCS 1 (ROLL /YAW CHAN) PSIG | 2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG | 2-14 UTIL. HYD. PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---|---|--|---|---|--|--|--|---|
| 617 | 129 | 23 | 26 | 3081 | 3107 | 21 | 3060 | 3061 | 1085 | 1078 | 30 | 30 |
| 618 | 129 | 43 | 25 | 3076 | 3112 | 21 | 3060 | 3091 | 1077 | 1088 | 30 | 32 |
| 619 | 130 | 3 | 12 | 3066 | 3092 | 22 | 3060 | 3086 | 1077 | 1088 | 42 | 32 |
| 620 | 130 | 23 | 32 | 3066 | 3122 | 40 | 3065 | 3086 | 1079 | 1096 | 38 | 30 |
| 621 | 130 | 43 | 48 | 3041 | 3077 | 32 | 3060 | 3051 | 1067 | 1078 | 32 | 30 |
| 622 | 131 | 4 | 35 | 3066 | 3092 | 23 | 3260 | 2866 | 1073 | 1088 | 32 | 31 |
| 623 | 131 | 24 | 36 | 3066 | 3092 | 40 | 2820 | 3064 | 1083 | 1088 | 42 | 28 |
| 624 | 131 | 44 | 24 | 3051 | 3057 | 32 | 3060 | 3081 | 1067 | 1100 | 42 | 35 |
| 625 | 132 | 5 | 25 | 3141 | 3062 | 26 | 3020 | 3181 | 1085 | 1182 | 42 | 31 |
| 626 | 132 | 25 | 29 | 3066 | 3122 | 24 | 3200 | 3181 | 1099 | 1088 | 42 | 27 |
| 627 | 132 | 45 | 45 | 3026 | 3112 | 27 | 3120 | 3106 | 1081 | 1073 | 52 | 32 |
| 628 | 132 | 17 | 32 | 3046 | 3117 | 32 | 3045 | 3086 | 1081 | 1078 | 42 | 31 |
| 629 | 133 | 26 | 32 | 3081 | 3112 | 23 | 3200 | 3186 | 1081 | 1084 | 44 | 27 |
| 630 | 133 | 46 | 12 | 3081 | 3077 | 32 | 3020 | 3051 | 1083 | 1090 | 42 | 32 |
| 631 | 134 | 7 | 24 | 3066 | 3112 | 40 | 3200 | 3091 | 1087 | 1088 | 44 | 30 |
| 632 | 134 | 27 | * | 2965 | 3072 | 32 | 2860 | 3091 | 1093 | 1092 | 48 | 32 |
| 633 | 134 | 47 | 21 | 3081 | 3087 | 32 | 3120 | 3081 | 1079 | 1088 | 38 | 32 |
| 634 | 135 | 8 | 49 | 3081 | 3137 | 40 | 3005 | 3086 | 1081 | 1082 | 34 | 31 |
| 635 | 135 | 28 | 49 | 3081 | 3077 | 27 | 3200 | 3076 | 1081 | 1090 | 48 | 33 |
| 636 | 135 | 48 | 21 | 3051 | 3077 | 32 | 3145 | 3081 | 1089 | 1092 | 38 | 30 |
| 637 | 136 | 9 | 13 | 3066 | 3042 | 29 | 3245 | 2967 | 1083 | 1092 | 36 | 30 |
| 638 | 136 | 29 | 24 | 3026 | 3112 | 22 | 3060 | 3081 | 1091 | 1088 | 42 | 30 |
| 639 | 136 | 50 | 21 | 3051 | 3082 | 32 | 3060 | 3121 | 1077 | 1078 | 40 | 34 |
| 640 | 137 | 10 | 21 | 3066 | 3117 | 32 | 3080 | 3051 | 1085 | 1078 | 48 | 30 |
| 641 | 137 | 30 | 21 | 3066 | 3127 | 32 | 3120 | 3091 | 1085 | 1078 | 40 | 31 |
| 642 | 137 | 50 | 24 | 3026 | 3107 | 32 | 2965 | 3081 | 1085 | 1078 | 40 | 32 |
| 643 | 138 | 11 | 32 | 3046 | 3017 | 32 | 3160 | 3046 | 1089 | 1076 | 36 | 31 |
| 644 | 138 | 31 | 49 | 3086 | 3117 | 36 | 3200 | 3051 | 1077 | 1088 | 48 | 33 |
| 645 | 138 | 52 | 32 | 3066 | 3077 | 27 | 3240 | 3016 | 1081 | 1104 | 48 | 29 |
| 646 | 139 | 12 | 12 | 3081 | 3077 | 32 | 3020 | 3031 | 1067 | 1092 | 44 | 31 |
| 647 | 139 | 32 | 13 | 3081 | 3077 | 17 | 3005 | 3091 | 1073 | 1067 | 32 | 33 |
| 648 | 139 | 52 | 49 | 3066 | 3122 | 32 | 3105 | 2892 | 1079 | 1076 | 40 | 30 |
| 649 | 140 | 12 | 24 | 3091 | 3107 | 32 | 3045 | 3091 | 1073 | 1088 | 46 | 33 |
| 650 | 140 | 32 | 27 | 3086 | 3107 | 40 | 3045 | 3111 | 1077 | 1076 | 40 | 32 |
| 651 | 140 | 53 | 12 | 3066 | 3092 | 30 | 3088 | 3016 | 1077 | 1088 | 32 | 31 |
| 652 | 141 | 13 | 36 | 3081 | 3112 | 21 | 3055 | 3091 | 1085 | 1082 | 34 | 32 |
| 653 | 141 | 33 | 28 | 3036 | 3082 | 32 | 3120 | 3046 | 1083 | 1088 | 44 | 33 |
| 654 | 141 | 53 | 46 | 3081 | 3132 | 32 | 3020 | 3056 | 1077 | 1082 | 48 | 31 |
| 655 | 142 | 13 | 48 | 3086 | 3137 | 32 | 3128 | 2936 | 1089 | 1108 | 56 | 32 |
| 656 | 142 | 33 | 13 | 3081 | 3082 | 32 | 2865 | 3170 | 1085 | 1082 | 30 | 30 |
| 657 | 142 | 54 | 13 | 2985 | 3112 | 32 | 3120 | 3081 | 1089 | 1092 | 38 | 28 |
| 658 | 143 | 14 | 49 | 3066 | 3112 | 21 | 3065 | 3056 | 1071 | 1076 | 34 | 34 |
| 659 | 143 | 34 | 21 | 3081 | 3107 | 27 | 3140 | 3001 | 1095 | 1188 | 48 | 33 |
| 660 | 143 | 54 | 25 | 3051 | 3092 | 25 | 3245 | 3061 | 1077 | 1078 | 42 | 36 |
| 661 | 144 | 14 | 32 | 3141 | 3142 | 22 | 3065 | 3086 | 1083 | 1096 | 46 | 34 |
| 662 | 144 | 35 | 49 | 3066 | 3152 | 22 | 3065 | 3091 | 1093 | 1092 | 44 | 33 |
| 663 | 144 | 55 | 49 | 3041 | 3092 | 40 | 3005 | 3071 | 1085 | 1084 | 34 | 33 |
| 664 | 145 | 15 | 45 | 3061 | 3177 | 21 | 3010 | 3051 | 1081 | 1069 | 34 | 34 |
| 665 | 145 | 35 | 32 | 3076 | 3112 | 41 | 3005 | 3155 | 1085 | 1104 | 56 | 33 |
| 666 | 145 | 55 | 16 | 3076 | 3097 | 32 | 2705 | 3478 | 1079 | 1066 | 48 | 32 |

| NO | NO. SAMPLES | 1-00 TIME MIN. | 2-12 TIME SEC. | 2-05 1STAGE HYD. PUMP INLET PRESS PSIG | 2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG | 2-07 1STAGE HYD. (AFT SERVO CYL.) PRESS PSIG | 2-08 2STAGE HYD. PUMP INLET PRESS PSIG | 2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2-10 2STAGE HYD. (AFT SERVO CYL.) PRESS PSIG | 2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PRESS PSIG | 2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PRESS PSIG | 2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PRESS PSIG | 2-14 UTIL. HYD. PUMP INLET PRESS PSIG |
|-----|-------------|----------------|----------------|--|---|--|--|---|--|--|---|--|---------------------------------------|
| 667 | 667 | 146 | 16 | 21 | 2985 | 3077 | 32 | 3060 | 3106 | 1077 | 1088 | 36 | 31 |
| 668 | 668 | 146 | 30 | 34 | 3121 | 3112 | 40 | 3200 | 3001 | 1077 | 1078 | 34 | 31 |
| 669 | 669 | 146 | 56 | 49 | 3141 | 3162 | 21 | 3195 | 3021 | 1087 | 1088 | 56 | 35 |
| 670 | 670 | 147 | 16 | 32 | 3081 | 3102 | 32 | 3030 | 3121 | 1103 | 1100 | 46 | 32 |
| 671 | 671 | 147 | 36 | 49 | 3066 | 3107 | 32 | 3120 | 3096 | 1089 | 1084 | 42 | 32 |
| 672 | 672 | 147 | 17 | 27 | 3051 | 3117 | 40 | 3105 | 3091 | 1083 | 1108 | 44 | 31 |
| 673 | 673 | 148 | 17 | 41 | 3066 | 3112 | 32 | 3080 | 3086 | 1089 | 1092 | 44 | 34 |
| 674 | 674 | 148 | 37 | 34 | 3026 | 3102 | 41 | 3045 | 3046 | 1073 | 1088 | 44 | 33 |
| 675 | 675 | 148 | 57 | 13 | 3081 | 3117 | 25 | 3120 | 3091 | 1097 | 1092 | 56 | 30 |
| 676 | 676 | 149 | 17 | 49 | 3222 | 3112 | 33 | 3055 | 3066 | 1083 | 1078 | 32 | 32 |
| 677 | 677 | 149 | 36 | 25 | 3051 | 3112 | 32 | 3200 | 3121 | 1101 | 1092 | 33 | 33 |
| 678 | 678 | 149 | 58 | 27 | 3101 | 3112 | 32 | 3200 | 3091 | 1087 | 1088 | 46 | 32 |
| 679 | 679 | 150 | 18 | 45 | 3061 | 3082 | 32 | 3120 | 3071 | 1083 | 1090 | 36 | 27 |
| 680 | 680 | 150 | 38 | 24 | 3066 | 3137 | 27 | 3130 | 3121 | 1085 | 1092 | 44 | 38 |
| 681 | 681 | 150 | 59 | 49 | 3262 | 3122 | 32 | 3120 | 3096 | 1089 | 1100 | 46 | 32 |
| 682 | 682 | 151 | 19 | 36 | 3081 | 3117 | 40 | 3135 | 2981 | 1097 | 1092 | 33 | 33 |
| 683 | 683 | 151 | 39 | 24 | 3141 | 3152 | 40 | 3005 | 3056 | 1089 | 1095 | 56 | 40 |
| 684 | 684 | 151 | 59 | 35 | 3026 | 3152 | 33 | 3105 | 3096 | 1097 | 1088 | 42 | 35 |
| 685 | 685 | 152 | 20 | 48 | 3101 | 3117 | 32 | 3060 | 3111 | 1091 | 1092 | 64 | 31 |
| 686 | 686 | 152 | 40 | 13 | 3066 | 3077 | 27 | 3280 | 3081 | 1085 | 1086 | 28 | 23 |
| 687 | 687 | 153 | 0 | 32 | 3041 | 3112 | 41 | 3160 | 3091 | 1087 | 1088 | 56 | 34 |
| 688 | 688 | 153 | 20 | 32 | 3081 | 3117 | 32 | 3120 | 3071 | 1089 | 1090 | 42 | 32 |
| 689 | 689 | 153 | 41 | 13 | 3081 | 3107 | 19 | 3085 | 3061 | 1091 | 1092 | 56 | 31 |
| 690 | 690 | 154 | 1 | 27 | 3101 | 3097 | 33 | 3130 | 3116 | 1091 | 1104 | 46 | 38 |
| 691 | 691 | 154 | 21 | 49 | 3076 | 3107 | 33 | 3130 | 3101 | 1089 | 1092 | 42 | 31 |
| 692 | 692 | 154 | 41 | 25 | 3141 | 3152 | 27 | 3040 | 3096 | 1101 | 1090 | 60 | 31 |
| 693 | 693 | 155 | 1 | 24 | 3086 | 3152 | 40 | 3130 | 3121 | 1101 | 1096 | 44 | 34 |
| 694 | 694 | 155 | 22 | 32 | 3222 | 3097 | 24 | 3065 | 3091 | 1089 | 1088 | 34 | 38 |
| 695 | 695 | 155 | 42 | 13 | 3081 | 3112 | 32 | 3095 | 3121 | 1091 | 1104 | 56 | 33 |
| 696 | 696 | 156 | 3 | 16 | 3046 | 3112 | 26 | 3140 | 3091 | 1091 | 1104 | 44 | 27 |
| 697 | 697 | 156 | 23 | 32 | 3051 | 3117 | 40 | 3220 | 3071 | 1087 | 1088 | 44 | 25 |
| 698 | 698 | 156 | 43 | 48 | 3141 | 3122 | 26 | 3110 | 3091 | 1101 | 1108 | 46 | 30 |
| 699 | 699 | 157 | 4 | 15 | 3066 | 3077 | 40 | 3065 | 3046 | 1067 | 1076 | 56 | 32 |
| 700 | 700 | 157 | 44 | 40 | 3020 | 3057 | 25 | 3065 | 3046 | 1081 | 1084 | 22 | 32 |
| 701 | 701 | 158 | 4 | 29 | 2930 | 2971 | 32 | 3030 | 3056 | 1081 | 1080 | 26 | 33 |
| 702 | 702 | 158 | 24 | 25 | 2890 | 2931 | 21 | 3030 | 3056 | 1075 | 1080 | 22 | 30 |
| 703 | 703 | 158 | 44 | 8 | 2869 | 2846 | 32 | 3055 | 3051 | 1069 | 1076 | 18 | 31 |

HH-53C S/N 68-10354
 ARCTIC TEST
 15 JANUARY 1971
 RUN NO. 3 -40 DEG C/ -48 DEG F

| -01 SNEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-15 | | | 2-16 | | | 2-17 | | | 2-18 | | | | | | | | | | | |
|-----------------------|----------------------|----------------------|-------|------|------|--------|------|--------|--------|-------|------|-------|------|--------|--------|-------|------|------|------|-------|-------|--------|------|
| | | | UTIL. | HYD. | PUMP | 1STAGE | HYD. | ROTARY | RUDDER | INLET | PSIG | UTIL. | HYD. | ROTARY | RUDDER | INLET | PSIG | NO.1 | MAIN | WHEEL | BRAME | RETURN | PSIG |
| 272 | 11 | 30 | 126 | | | 50 | | | 48 | | | 7 | | | | | | | | | | | |
| 273 | 11 | 50 | 116 | | | 46 | | | 48 | | | 6 | | | | | | | | | | | |
| 274 | 12 | 9 | 111 | | | 46 | | | 50 | | | 7 | | | | | | | | | | | |
| 275 | 12 | 29 | 121 | | | 52 | | | 40 | | | 6 | | | | | | | | | | | |
| 276 | 12 | 47 | 3105 | | | 32 | | | 1170 | | | 28 | | | | | | | | | | | |
| 277 | 13 | 7 | 3181 | | | 32 | | | 1316 | | | 24 | | | | | | | | | | | |
| 278 | 13 | 26 | 3166 | | | 24 | | | 1324 | | | 30 | | | | | | | | | | | |
| 279 | 13 | 46 | 3221 | | | 32 | | | 1354 | | | 27 | | | | | | | | | | | |
| 280 | 14 | 5 | 3247 | | | 26 | | | 1368 | | | 36 | | | | | | | | | | | |
| 281 | 14 | 25 | 3232 | | | 32 | | | 1378 | | | 38 | | | | | | | | | | | |
| 282 | 14 | 44 | 3201 | | | 30 | | | 1400 | | | 35 | | | | | | | | | | | |
| 283 | 15 | 4 | 3217 | | | 40 | | | 1396 | | | 38 | | | | | | | | | | | |
| 284 | 15 | 23 | 3237 | | | 24 | | | 1406 | | | 39 | | | | | | | | | | | |
| 285 | 15 | 43 | 3237 | | | 26 | | | 1484 | | | 39 | | | | | | | | | | | |
| 286 | 16 | 2 | 3161 | | | 30 | | | 1406 | | | 38 | | | | | | | | | | | |
| 287 | 16 | 22 | 3201 | | | 30 | | | 1422 | | | 39 | | | | | | | | | | | |
| 288 | 16 | 41 | 3151 | | | 30 | | | 1428 | | | 39 | | | | | | | | | | | |
| 289 | 17 | 1 | 3221 | | | 30 | | | 1428 | | | 40 | | | | | | | | | | | |
| 290 | 17 | 20 | 3166 | | | 36 | | | 1438 | | | 39 | | | | | | | | | | | |
| 291 | 17 | 39 | 3166 | | | 28 | | | 1444 | | | 39 | | | | | | | | | | | |
| 292 | 17 | 59 | 3232 | | | 26 | | | 1444 | | | 39 | | | | | | | | | | | |
| 293 | 18 | 18 | 3141 | | | 30 | | | 1434 | | | 49 | | | | | | | | | | | |
| 294 | 18 | 37 | 3237 | | | 30 | | | 1446 | | | 4 | | | | | | | | | | | |
| 295 | 18 | 57 | 3176 | | | 36 | | | 1444 | | | 45 | | | | | | | | | | | |
| 296 | 19 | 16 | 3146 | | | 24 | | | 1444 | | | 47 | | | | | | | | | | | |
| 297 | 19 | 36 | 3166 | | | 24 | | | 1444 | | | 48 | | | | | | | | | | | |
| 298 | 19 | 55 | 3232 | | | 30 | | | 1448 | | | 4 | | | | | | | | | | | |
| 299 | 20 | 14 | 3161 | | | 30 | | | 1446 | | | 40 | | | | | | | | | | | |
| 300 | 20 | 34 | 3166 | | | 30 | | | 1460 | | | 39 | | | | | | | | | | | |
| 301 | 20 | 53 | 3151 | | | 20 | | | 1440 | | | 37 | | | | | | | | | | | |
| 302 | 21 | 13 | 3115 | | | 28 | | | 1450 | | | 39 | | | | | | | | | | | |
| 303 | 21 | 32 | 3232 | | | 28 | | | 1446 | | | 37 | | | | | | | | | | | |
| 304 | 21 | 51 | 3136 | | | 24 | | | 1456 | | | 38 | | | | | | | | | | | |
| 305 | 22 | 11 | 3191 | | | 24 | | | 1444 | | | 36 | | | | | | | | | | | |
| 306 | 22 | 30 | 3141 | | | 30 | | | 1460 | | | 37 | | | | | | | | | | | |
| 307 | 22 | 50 | 3146 | | | 22 | | | 1446 | | | 38 | | | | | | | | | | | |
| 308 | 23 | 9 | 3105 | | | 30 | | | 1448 | | | 39 | | | | | | | | | | | |
| 309 | 23 | 29 | 3161 | | | 24 | | | 1460 | | | 38 | | | | | | | | | | | |
| 310 | 23 | 48 | 3181 | | | 26 | | | 1448 | | | 37 | | | | | | | | | | | |
| 311 | 24 | 7 | 3131 | | | 28 | | | 1456 | | | 36 | | | | | | | | | | | |
| 312 | 24 | 27 | 3141 | | | 22 | | | 1440 | | | 36 | | | | | | | | | | | |
| 313 | 24 | 46 | 3136 | | | 36 | | | 1460 | | | 36 | | | | | | | | | | | |
| 314 | 25 | 6 | 3141 | | | 24 | | | 1452 | | | 36 | | | | | | | | | | | |
| 315 | 25 | 25 | 3115 | | | 24 | | | 1456 | | | 36 | | | | | | | | | | | |
| 316 | 25 | 45 | 3125 | | | 26 | | | 1444 | | | 36 | | | | | | | | | | | |

| TEST POINT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-15 | | 2-16 | | 2-17 | | 2-18 | |
|------------|----------------|----------------|----------------------------|------------------------------|------------------------------|-----------------------------------|------|--|------|--|
| | | | UTIL. HYD. PUMP PRESS PSIG | STAGE HYD. ROTARY INLET PSIG | UTIL. HYD. ROTARY INLET PSIG | NO.1 MAIN WHEEL GRADE RETURN PSIG | | | | |
| 317 | 26 | 5 | 3100 | 30 | 1452 | 35 | | | | |
| 318 | 26 | 24 | 3146 | 26 | 1452 | 34 | | | | |
| 319 | 26 | 44 | 3146 | 24 | 1452 | 36 | | | | |
| 320 | 27 | 3 | 3141 | 12 | 1456 | 35 | | | | |
| 321 | 27 | 23 | 3151 | 20 | 1456 | 36 | | | | |
| 322 | 27 | 42 | 3131 | 20 | 1452 | 34 | | | | |
| 323 | 28 | 2 | 3141 | 22 | 1453 | 34 | | | | |
| 324 | 28 | 22 | 3146 | 28 | 1450 | 37 | | | | |
| 325 | 28 | 41 | 2944 | 16 | 1520 | * | | | | |
| 326 | 29 | 1 | 3141 | 24 | 1444 | 36 | | | | |
| 327 | 29 | 21 | 3136 | 22 | 1446 | 36 | | | | |
| 328 | 29 | 40 | 3141 | 24 | 1444 | 36 | | | | |
| 329 | 30 | 0 | 3115 | 20 | 1460 | 36 | | | | |
| 330 | 30 | 20 | 3080 | 24 | 1476 | * | | | | |
| 331 | 30 | 33 | 3171 | 22 | 1444 | 37 | | | | |
| 332 | 30 | 59 | 3135 | 18 | 1444 | 36 | | | | |
| 333 | 31 | 19 | 3085 | 22 | 1450 | 37 | | | | |
| 334 | 31 | 38 | 3181 | 22 | 1450 | 37 | | | | |
| 335 | 31 | 58 | 3131 | 24 | 1452 | 36 | | | | |
| 336 | 32 | 18 | 3065 | 14 | 1450 | 36 | | | | |
| 337 | 32 | 38 | 3120 | 22 | 1450 | 36 | | | | |
| 338 | 32 | 58 | 3146 | 24 | 1456 | 36 | | | | |
| 339 | 33 | 17 | 3095 | 20 | 1456 | 36 | | | | |
| 340 | 33 | 37 | 3095 | 20 | 1452 | 36 | | | | |
| 341 | 33 | 57 | 3120 | 20 | 1456 | 36 | | | | |
| 342 | 34 | 17 | 3100 | 20 | 1456 | 36 | | | | |
| 343 | 34 | 37 | 3105 | 20 | 1462 | 36 | | | | |
| 344 | 34 | 56 | 3100 | 22 | 1460 | 35 | | | | |
| 345 | 35 | 16 | 3232 | 22 | 1456 | 36 | | | | |
| 346 | 35 | 36 | 3120 | 20 | 1456 | 35 | | | | |
| 347 | 35 | 56 | 3131 | 14 | 1460 | 35 | | | | |
| 348 | 36 | 16 | 3090 | 20 | 1450 | 36 | | | | |
| 349 | 36 | 36 | 3141 | 18 | 1464 | 36 | | | | |
| 350 | 36 | 56 | 3080 | 16 | 1454 | 35 | | | | |
| 351 | 37 | 16 | 3115 | 22 | 1460 | 35 | | | | |
| 352 | 37 | 35 | 3136 | 24 | 1462 | 35 | | | | |
| 353 | 37 | 55 | 3136 | 16 | 1464 | 35 | | | | |
| 354 | 38 | 15 | 3080 | 20 | 1452 | 36 | | | | |
| 355 | 38 | 35 | 3080 | 22 | 1450 | 35 | | | | |
| 356 | 38 | 55 | 3085 | 22 | 1446 | 35 | | | | |
| 357 | 39 | 15 | 3131 | 20 | 1454 | 35 | | | | |
| 358 | 39 | 35 | 3131 | 20 | 1462 | 35 | | | | |
| 359 | 39 | 55 | 3090 | 16 | 1462 | 36 | | | | |
| 360 | 40 | 15 | 3136 | 16 | 1468 | 35 | | | | |
| 361 | 40 | 35 | 3065 | 12 | 1462 | 35 | | | | |
| 362 | 40 | 55 | 3100 | 10 | 1456 | 34 | | | | |
| 363 | 41 | 15 | 3065 | 22 | 1480 | 35 | | | | |
| 364 | 41 | 35 | 3141 | 18 | 1462 | 36 | | | | |
| 365 | 41 | 55 | 3120 | 14 | 1462 | 35 | | | | |
| 366 | 42 | 15 | 3100 | 22 | 1460 | 36 | | | | |

| SWEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-15 | | 2-16 | | 2-17 | | 2-18 | |
|----------------|----------------------|----------------------|---------------|---------------------------------|----------------|-----------------------------------|---------------|-----------------------------------|--|--|
| | | | UTIL. HYD. | PUMP OUTLET PRESS PSIG | 1STAGE HYD. | ROTARY RUDDER INLET PSIG | UTIL. HYD. | ROTARY RUDDER INLET PSIG | NO.1 MAIN WHEEL BRAKE RETURN PSIG | |
| 367 | 42 | 35 | 3055 | 3055 | 20 | 1452 | 1452 | 35 | | |
| 368 | 42 | 55 | 3120 | 3120 | 18 | 1460 | 1460 | 35 | | |
| 369 | 43 | 15 | 3055 | 3055 | 10 | 1450 | 1450 | 36 | | |
| 370 | 43 | 35 | 3131 | 3131 | 16 | 1458 | 1458 | 34 | | |
| 371 | 43 | 55 | 3131 | 3131 | 20 | 1462 | 1462 | 36 | | |
| 372 | 44 | 15 | 3095 | 3095 | 14 | 1460 | 1460 | 35 | | |
| 373 | 44 | 35 | 3065 | 3065 | 20 | 1458 | 1458 | 35 | | |
| 374 | 44 | 55 | 3065 | 3065 | 22 | 1462 | 1462 | 35 | | |
| 375 | 45 | 15 | 3141 | 3141 | 28 | 1464 | 1464 | 34 | | |
| 376 | 45 | 35 | 3131 | 3131 | 14 | 1460 | 1460 | 35 | | |
| 377 | 45 | 55 | 3131 | 3131 | 22 | 1460 | 1460 | 36 | | |
| 378 | 46 | 15 | 3065 | 3065 | 24 | 1468 | 1468 | 36 | | |
| 379 | 46 | 35 | 3085 | 3085 | 14 | 1460 | 1460 | 36 | | |
| 380 | 46 | 55 | 3120 | 3120 | 14 | 1466 | 1466 | 35 | | |
| 381 | 47 | 15 | 3095 | 3095 | 20 | 1466 | 1466 | 35 | | |
| 382 | 47 | 36 | 3105 | 3105 | 20 | 1466 | 1466 | 35 | | |
| 383 | 47 | 56 | 3060 | 3060 | 20 | 1464 | 1464 | 36 | | |
| 384 | 48 | 16 | 3090 | 3090 | 22 | 1470 | 1470 | 36 | | |
| 385 | 48 | 36 | 3105 | 3105 | 22 | 1466 | 1466 | 34 | | |
| 386 | 48 | 56 | 3131 | 3131 | 20 | 1484 | 1484 | 36 | | |
| 387 | 49 | 16 | 3090 | 3090 | 22 | 1462 | 1462 | 35 | | |
| 388 | 49 | 36 | 3085 | 3085 | 22 | 1468 | 1468 | 36 | | |
| 389 | 49 | 56 | 3131 | 3131 | 24 | 1464 | 1464 | 35 | | |
| 390 | 50 | 16 | 3065 | 3065 | 22 | 1468 | 1468 | 35 | | |
| 391 | 50 | 37 | 3131 | 3131 | 28 | 1458 | 1458 | 36 | | |
| 392 | 50 | 57 | 3065 | 3065 | 20 | 1462 | 1462 | 36 | | |
| 393 | 51 | 17 | 3085 | 3085 | 22 | 1462 | 1462 | 34 | | |
| 394 | 51 | 37 | 3241 | 3241 | 26 | 1460 | 1460 | 34 | | |
| 395 | 51 | 57 | 3100 | 3100 | 26 | 1462 | 1462 | 35 | | |
| 396 | 52 | 17 | 3105 | 3105 | 20 | 1460 | 1460 | 36 | | |
| 397 | 52 | 37 | 3120 | 3120 | 22 | 1468 | 1468 | 35 | | |
| 398 | 52 | 57 | 3136 | 3136 | 28 | 1468 | 1468 | 36 | | |
| 399 | 53 | 17 | 3237 | 3237 | 22 | 1440 | 1440 | 36 | | |
| 400 | 53 | 38 | 3080 | 3080 | 24 | 1462 | 1462 | 36 | | |
| 401 | 53 | 58 | 3075 | 3075 | 22 | 1466 | 1466 | 35 | | |
| 402 | 54 | 18 | 3065 | 3065 | 20 | 1468 | 1468 | 36 | | |
| 403 | 54 | 38 | 3120 | 3120 | 22 | 1464 | 1464 | 36 | | |
| 404 | 54 | 58 | 3100 | 3100 | 22 | 1456 | 1456 | 35 | | |
| 405 | 55 | 18 | 3080 | 3080 | 22 | 1470 | 1470 | 35 | | |
| 406 | 55 | 39 | 3100 | 3100 | 22 | 1460 | 1460 | 36 | | |
| 407 | 55 | 59 | 3065 | 3065 | 20 | 1454 | 1454 | 36 | | |
| 408 | 56 | 19 | 3065 | 3065 | 28 | 1454 | 1454 | 36 | | |
| 409 | 56 | 39 | 3080 | 3080 | 20 | 1456 | 1456 | 40 | | |
| 410 | 56 | 59 | 3120 | 3120 | 20 | 1468 | 1468 | 42 | | |
| 411 | 57 | 19 | 3146 | 3146 | 1521 | 1454 | 1454 | 35 | | |
| 412 | 57 | 39 | 3100 | 3100 | 1525 | 1464 | 1464 | 36 | | |
| 413 | 57 | 59 | 3085 | 3085 | 50 | 1468 | 1468 | 36 | | |
| 414 | 58 | 18 | 3120 | 3120 | 54 | 1464 | 1464 | 36 | | |
| 415 | 58 | 39 | 3060 | 3060 | 1537 | 1446 | 1446 | 36 | | |
| 416 | 58 | 59 | 3136 | 3136 | 1537 | 1440 | 1440 | 35 | | |

| TIME MIN. | TIME SEC. | 2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG | 2-16 STAGE HYD. POTARY RUDDER INLET PSIG | 2-17 UTIL. HYD. POTARY RUDDER INLET PSIG | 2-18 NO.1 MAIN WHEEL BRAKE RETURN PSIG |
|--------------|--------------|--|--|--|--|
| 417 | 19 | 3095 | 1561 | 1480 | 35 |
| 418 | 59 | 3131 | 1553 | 1480 | 35 |
| 419 | 0 | 3095 | 1551 | 1480 | 33 |
| 420 | 20 | 3000 | 1555 | 1480 | 35 |
| 421 | 60 | 3120 | 1553 | 1494 | 38 |
| 422 | 61 | 3060 | 1559 | 1479 | 34 |
| 423 | 61 | 3141 | 1570 | 1494 | 36 |
| 424 | 61 | 3181 | 1559 | 1494 | 45 |
| 425 | 62 | 3070 | 1559 | 1486 | 39 |
| 426 | 62 | 3131 | 1570 | 1498 | 39 |
| 427 | 62 | 3065 | 1553 | 1480 | 36 |
| 428 | 63 | 3131 | 1574 | 1489 | 37 |
| 429 | 63 | 3221 | 1572 | 1500 | 37 |
| 430 | 63 | 3101 | 1581 | 1500 | 35 |
| 431 | 64 | 3080 | 1583 | 1482 | 34 |
| 432 | 64 | 3100 | 1553 | 1484 | 34 |
| 433 | 64 | 3232 | 1555 | 1484 | 34 |
| 434 | 65 | 3085 | 1557 | 1482 | 34 |
| 435 | 65 | 3065 | 1539 | 1480 | 34 |
| 436 | 65 | 3085 | 1555 | 1480 | 34 |
| 437 | 66 | 3095 | 1553 | 1482 | 36 |
| 438 | 66 | 3105 | 1551 | 1482 | 36 |
| 439 | 66 | 3085 | 1553 | 1478 | 34 |
| 440 | 67 | 3221 | 1567 | 1502 | 39 |
| 441 | 67 | 3065 | 1553 | 1472 | 33 |
| 442 | 67 | 3055 | 1555 | 1462 | 36 |
| 443 | 68 | 3080 | 1547 | 1482 | 36 |
| 444 | 68 | 3141 | 1553 | 1484 | 36 |
| 445 | 68 | 3095 | 1553 | 1480 | 36 |
| 446 | 69 | 3080 | 1553 | 1478 | 35 |
| 447 | 69 | 3080 | 1553 | 1480 | 36 |
| 448 | 69 | 3080 | 1555 | 1480 | 36 |
| 449 | 70 | 3171 | 1537 | 1462 | 37 |
| 450 | 70 | 3136 | 1539 | 1466 | 39 |
| 451 | 70 | 3141 | 1539 | 1464 | 36 |
| 452 | 71 | 3115 | 1537 | 1464 | 36 |
| 453 | 71 | 3136 | 1533 | 1484 | 36 |
| 454 | 71 | 3065 | 1535 | 1468 | 36 |
| 455 | 72 | 3080 | 1539 | 1466 | 38 |
| 456 | 72 | 3120 | 1537 | 1456 | 36 |
| 457 | 72 | 3232 | 1535 | 1462 | 36 |
| 458 | 73 | 3136 | 1535 | 1464 | 36 |
| 459 | 73 | 3136 | 1537 | 1464 | * |
| 460 | 73 | 3055 | 1537 | 1476 | 39 |
| 461 | 74 | 3151 | 1549 | 1472 | 37 |
| 462 | 74 | 3095 | 1531 | 1462 | 36 |
| 463 | 74 | 3065 | 1537 | 1476 | 37 |
| 464 | 75 | 3136 | 1535 | 1468 | 36 |
| 465 | 75 | 3076 | 1537 | 1468 | 35 |
| 466 | 75 | 3131 | 1541 | 1470 | 37 |

| -01 SWEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG | 2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG | 2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG | 2-18 NO.1 MAIN WHEEL BRAKE RETURN PSIG |
|-----------------------|----------------------|----------------------|--|---|--|--|
| 467 | 76 | 4 | 3151 | 1545 | 1472 | 37 |
| 468 | 76 | 24 | 3120 | 1543 | 1468 | 35 |
| 469 | 76 | 45 | 3105 | 1529 | 1464 | 37 |
| 470 | 77 | 5 | 3151 | 1533 | 1464 | 36 |
| 471 | 77 | 25 | 3065 | 1544 | 1462 | 39 |
| 472 | 77 | 45 | 3090 | 1525 | 1470 | 36 |
| 473 | 78 | 5 | 3085 | 1561 | 1466 | 36 |
| 474 | 78 | 26 | 3151 | 1513 | 1468 | 39 |
| 475 | 78 | 46 | 3120 | 1559 | 1500 | 39 |
| 476 | 79 | 6 | 314 | 1537 | 1466 | 35 |
| 477 | 79 | 26 | 3156 | 1517 | 1466 | 39 |
| 478 | 79 | 47 | 3141 | 1537 | 1480 | 36 |
| 479 | 80 | 7 | 3080 | 1549 | 1470 | 38 |
| 480 | 80 | 27 | 3171 | 1572 | 1504 | 46 |
| 481 | 80 | 47 | 3252 | 1576 | 1506 | 45 |
| 482 | 81 | 8 | 3136 | 1549 | 1474 | 39 |
| 483 | 81 | 28 | 3120 | 1535 | 1476 | 36 |
| 484 | 81 | 48 | 3125 | 1544 | 1470 | 39 |
| 485 | 82 | 9 | 3100 | 1545 | 1480 | 37 |
| 486 | 82 | 29 | 3191 | 1582 | 1498 | 38 |
| 487 | 82 | 49 | 3146 | 1537 | 1466 | 33 |
| 488 | 83 | 9 | 3141 | 1539 | 1470 | 30 |
| 489 | 83 | 30 | 2959 | 1531 | 1450 | 39 |
| 490 | 83 | 50 | 3141 | 1537 | 1476 | 27 |
| 491 | 84 | 10 | 3045 | 1541 | 1460 | 26 |
| 492 | 84 | 30 | 3100 | 1533 | 1468 | 25 |
| 493 | 84 | 51 | 3181 | 1549 | 1468 | 27 |
| 494 | 85 | 11 | 3115 | 1535 | 1468 | 24 |
| 495 | 85 | 31 | 3100 | 1533 | 1464 | 22 |
| 496 | 85 | 51 | 3180 | 1539 | 1460 | 22 |
| 497 | 86 | 12 | 3120 | 1533 | 1472 | 24 |
| 498 | 86 | 32 | 3120 | 1537 | 1466 | 22 |
| 499 | 86 | 52 | 3055 | 1537 | 1460 | 20 |
| 500 | 87 | 12 | 3120 | 1529 | 1460 | 20 |
| 501 | 87 | 33 | 3090 | 1541 | 1460 | 21 |
| 502 | 87 | 53 | 3100 | 1533 | 1456 | 19 |
| 503 | 88 | 13 | 3181 | 1537 | 1468 | 19 |
| 504 | 88 | 34 | 3141 | 1527 | 1462 | 18 |
| 505 | 88 | 54 | 3146 | 1531 | 1460 | 18 |
| 506 | 89 | 14 | 3141 | 1545 | 1458 | 18 |
| 507 | 89 | 35 | 3090 | 1537 | 1456 | 16 |
| 508 | 89 | 55 | 3146 | 1537 | 1462 | 17 |
| 509 | 90 | 15 | 3141 | 1545 | 1466 | 18 |
| 510 | 90 | 35 | 3136 | 1539 | 1462 | 15 |
| 511 | 90 | 56 | 3146 | 1535 | 1456 | 15 |
| 512 | 91 | 16 | 3100 | 1537 | 1450 | 16 |
| 513 | 91 | 37 | 3090 | 1527 | 1454 | 15 |
| 514 | 91 | 57 | 3151 | 1537 | 1464 | 18 |
| 515 | 92 | 38 | 3100 | 1529 | 1460 | 16 |
| 516 | 92 | 38 | 3181 | 1535 | 1460 | 15 |

| 2-11 SLEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-15 | | 2-16 | | 2-17 | | 2-18 | |
|------------------------|----------------------|----------------------|--|--|--|--|------|--|------|--|
| | | | UTIL. HYD. PUMP OUTLET PRESS PSIG | STAGE RYD. ROTARY RUBBER INLET PSIG | UTIL. HYD. ROTARY PUMPER INLET PSIG | NO.1 MAIN WHEEL BRAKE RETURN PSIG | | | | |
| 517 | 32 | 59 | 3115 | 1539 | 1462 | 1462 | 15 | | | |
| 518 | 33 | 23 | 3100 | 1537 | 1460 | 1460 | 15 | | | |
| 519 | 35 | 40 | 3136 | 1527 | 1450 | 1450 | 18 | | | |
| 520 | 36 | 3 | 3107 | 1529 | 1460 | 1460 | 18 | | | |
| 521 | 36 | 21 | 3161 | 1533 | 1462 | 1462 | 18 | | | |
| 522 | 36 | 41 | 3136 | 1527 | 1452 | 1452 | 16 | | | |
| 523 | 37 | 2 | 3100 | 1537 | 1454 | 1454 | 17 | | | |
| 524 | 37 | 23 | 3141 | 1555 | 1462 | 1462 | 18 | | | |
| 525 | 37 | 43 | 3100 | 1533 | 1464 | 1464 | 18 | | | |
| 526 | 38 | 4 | 3131 | 1535 | 1462 | 1462 | 15 | | | |
| 527 | 38 | 24 | 3141 | 1529 | 1450 | 1450 | 18 | | | |
| 528 | 38 | 45 | 3136 | 1531 | 1456 | 1456 | 18 | | | |
| 529 | 39 | 6 | 3120 | 1529 | 1460 | 1460 | 17 | | | |
| 530 | 39 | 26 | 3120 | 1537 | 1469 | 1469 | 18 | | | |
| 531 | 39 | 47 | 3100 | 1527 | 1454 | 1454 | 17 | | | |
| 532 | 40 | 7 | 3105 | 1541 | 1454 | 1454 | 19 | | | |
| 533 | 40 | 28 | 3125 | 1533 | 1456 | 1456 | 19 | | | |
| 534 | 40 | 48 | 3232 | 1535 | 1460 | 1460 | 15 | | | |
| 535 | 41 | 9 | 3100 | 1525 | 1450 | 1450 | 15 | | | |
| 536 | 41 | 29 | 3100 | 1533 | 1463 | 1463 | 15 | | | |
| 537 | 41 | 50 | 3065 | 1519 | 1456 | 1456 | 14 | | | |
| 538 | 42 | 31 | 3095 | 1525 | 1446 | 1446 | 13 | | | |
| 539 | 42 | 31 | 3120 | 1531 | 1444 | 1444 | 12 | | | |
| 540 | 42 | 51 | 3141 | 1533 | 1452 | 1452 | 13 | | | |
| 541 | 43 | 12 | 3141 | 1533 | 1460 | 1460 | 12 | | | |
| 542 | 43 | 32 | 3120 | 1537 | 1450 | 1450 | 14 | | | |
| 543 | 43 | 53 | 3130 | 1533 | 1448 | 1448 | 12 | | | |
| 544 | 44 | 13 | 3110 | 1529 | 1450 | 1450 | 15 | | | |
| 545 | 44 | 34 | 3100 | 1533 | 1458 | 1458 | 12 | | | |
| 546 | 44 | 54 | 3125 | 1537 | 1452 | 1452 | 14 | | | |
| 547 | 45 | 15 | 3085 | 1523 | 1444 | 1444 | 12 | | | |
| 548 | 45 | 35 | 3176 | 1537 | 1456 | 1456 | 15 | | | |
| 549 | 45 | 56 | 313 | 1531 | 1456 | 1456 | 12 | | | |
| 550 | 46 | 16 | 3115 | 1535 | 1454 | 1454 | 14 | | | |
| 551 | 46 | 37 | 3136 | 1519 | 1442 | 1442 | 14 | | | |
| 552 | 46 | 57 | 3146 | 1535 | 1454 | 1454 | 16 | | | |
| 553 | 47 | 16 | 3100 | 1519 | 1443 | 1443 | 12 | | | |
| 554 | 47 | 38 | 3131 | 1529 | 1452 | 1452 | 15 | | | |
| 555 | 47 | 59 | 3136 | 1521 | 1446 | 1446 | 12 | | | |
| 556 | 48 | 19 | 3105 | 1527 | 1448 | 1448 | 16 | | | |
| 557 | 48 | 40 | 3181 | 1513 | 1436 | 1436 | 14 | | | |
| 558 | 49 | 0 | 3100 | 1533 | 1460 | 1460 | 16 | | | |
| 559 | 49 | 20 | 3110 | 1513 | 1432 | 1432 | 12 | | | |
| 560 | 49 | 41 | 3110 | 1527 | 1434 | 1434 | 15 | | | |
| 561 | 50 | 1 | 3065 | 1525 | 1436 | 1436 | 13 | | | |
| 562 | 50 | 22 | 3110 | 1515 | 1430 | 1430 | 13 | | | |
| 563 | 50 | 42 | 3120 | 1529 | 1440 | 1440 | 15 | | | |
| 564 | 51 | 3 | 3090 | 1521 | 1434 | 1434 | 15 | | | |
| 565 | 51 | 23 | 3141 | 1533 | 1440 | 1440 | 12 | | | |
| 566 | 51 | 44 | 3161 | 1525 | 1440 | 1440 | 12 | | | |

| -01 SHEEP COUNT | 2-02 TIME 4IN. | 2-03 TIME SEC. | 2-15 | | 2-16 | | 2-17 | | 2-18 | |
|-----------------------|----------------------|----------------------|---------------|---------------------------------|----------------|-----------------------------------|---------------|-----------------------------------|--|--|
| | | | UTIL. HYD. | PUMP OUTLET PRESS PSIG | ISYAGE HYD. | ROTARY RUDDER INLET PSIG | UTIL. HYD. | ROTARY RUDDER INLET PSIG | WO-1 MAIN WHEEL BRAKE RETURN PSIG | |
| 567 | 112 | 4 | 3141 | 1523 | 1434 | 13 | | | | |
| 568 | 112 | 25 | 3141 | 1529 | 1442 | 15 | | | | |
| 569 | 112 | 45 | 3100 | 1515 | 1440 | 13 | | | | |
| 570 | 113 | 6 | 3136 | 1519 | 1430 | 12 | | | | |
| 571 | 113 | 26 | 3141 | 1525 | 1440 | 15 | | | | |
| 572 | 113 | 46 | 3161 | 1521 | 1436 | 13 | | | | |
| 573 | 114 | 7 | 3146 | 1529 | 1440 | 14 | | | | |
| 574 | 114 | 27 | 3136 | 1527 | 1426 | 13 | | | | |
| 575 | 114 | 47 | 3100 | 1533 | 1430 | 14 | | | | |
| 576 | 115 | 8 | 3120 | 1519 | 1442 | 13 | | | | |
| 577 | 115 | 28 | 3120 | 1517 | 1436 | 15 | | | | |
| 578 | 115 | 49 | 3120 | 1521 | 1428 | 12 | | | | |
| 579 | 116 | 9 | 3171 | 1517 | 1428 | 13 | | | | |
| 580 | 116 | 29 | 3100 | 1535 | 1432 | 15 | | | | |
| 581 | 116 | 50 | 3120 | 1515 | 1428 | 12 | | | | |
| 582 | 117 | 10 | 3120 | 1523 | 1432 | 12 | | | | |
| 583 | 117 | 30 | 3161 | 1523 | 1430 | 14 | | | | |
| 584 | 117 | 51 | 3100 | 1537 | 1440 | 11 | | | | |
| 585 | 118 | 11 | 3151 | 1517 | 1440 | 12 | | | | |
| 586 | 118 | 31 | 3105 | 1517 | 1440 | 13 | | | | |
| 587 | 118 | 52 | 3161 | 1529 | 1446 | 15 | | | | |
| 588 | 119 | 12 | 3120 | 1523 | 1430 | 12 | | | | |
| 589 | 119 | 33 | 3100 | 1533 | 1440 | 12 | | | | |
| 590 | 119 | 53 | 3115 | 1523 | 1444 | 15 | | | | |
| 591 | 120 | 13 | 3141 | 1517 | 1434 | 12 | | | | |
| 592 | 120 | 34 | 3141 | 1529 | 1440 | 17 | | | | |
| 593 | 120 | 54 | 3100 | 1533 | 1446 | 13 | | | | |
| 594 | 121 | 15 | 3120 | 1511 | 1434 | 12 | | | | |
| 595 | 121 | 35 | 3105 | 1521 | 1436 | 13 | | | | |
| 596 | 121 | 55 | 3131 | 1515 | 1442 | 14 | | | | |
| 597 | 122 | 16 | 3100 | 1529 | 1442 | 14 | | | | |
| 598 | 122 | 36 | 3136 | 1529 | 1446 | 15 | | | | |
| 599 | 122 | 56 | 3171 | 1519 | 1444 | 15 | | | | |
| 600 | 123 | 37 | 3100 | 1515 | 1444 | 14 | | | | |
| 601 | 123 | 57 | 3146 | 1533 | 1452 | 17 | | | | |
| 602 | 124 | 17 | 3141 | 1533 | 1450 | 15 | | | | |
| 603 | 124 | 38 | 3146 | 1523 | 1448 | 15 | | | | |
| 604 | 124 | 58 | 3105 | 1539 | 1456 | 19 | | | | |
| 605 | 125 | 18 | 3120 | 1537 | 1448 | 18 | | | | |
| 606 | 125 | 39 | 3136 | 1519 | 1456 | 19 | | | | |
| 607 | 125 | 59 | 3115 | 1519 | 1462 | 16 | | | | |
| 608 | 126 | 19 | 3141 | 1533 | 1448 | 16 | | | | |
| 609 | 126 | 40 | 3141 | 1523 | 1454 | 15 | | | | |
| 610 | 127 | 0 | 3146 | 1529 | 1448 | 17 | | | | |
| 611 | 127 | 20 | 3100 | 1525 | 1456 | 15 | | | | |
| 612 | 127 | 41 | 3141 | 1521 | 1450 | 16 | | | | |
| 613 | 128 | 1 | 3115 | 1517 | 1446 | 16 | | | | |
| 614 | 128 | 20 | 3141 | 1523 | 1460 | 17 | | | | |
| 615 | 128 | 42 | 3131 | 1525 | 1444 | 17 | | | | |
| 616 | 129 | 2 | 3120 | 1533 | 1452 | 16 | | | | |

| TIME | MIN. | SEC. | 2-15 | | 2-16 | | 2-17 | | 2-18 | |
|------|------|------|--------|------|--------|------|--------|------|--------|------|
| | | | UTIL. | PSIG | IGTAGE | HYD. | UTIL. | HYD. | NO.1 | MAIN |
| | | | PUMP | | ROTARY | | ROTARY | | WHEEL | |
| | | | OUTLET | | QUODFF | | QUODFF | | BRAKE | |
| | | | PRESS | | INLET | | INLET | | RETURN | |
| | | | PSIG | | PSIG | | PSIG | | PSIG | |
| 617 | 129 | 23 | 3151 | 1525 | 1456 | 18 | | | | |
| 618 | 129 | 43 | 3141 | 1521 | 1440 | 18 | | | | |
| 619 | 130 | 3 | 3120 | 1519 | 1432 | 23 | | | | |
| 620 | 130 | 21 | 3135 | 1535 | 1436 | 24 | | | | |
| 621 | 130 | 43 | 3141 | 1525 | 1424 | 22 | | | | |
| 622 | 131 | 4 | 3141 | 1541 | 1423 | 21 | | | | |
| 623 | 131 | 24 | 3141 | 1515 | 1460 | 21 | | | | |
| 624 | 131 | 44 | 3146 | 1533 | 1460 | 24 | | | | |
| 625 | 132 | 5 | 3131 | 1535 | 1442 | 33 | | | | |
| 626 | 132 | 25 | 3125 | 1531 | 1448 | 31 | | | | |
| 627 | 132 | 45 | 3146 | 1519 | 1452 | 31 | | | | |
| 628 | 133 | 6 | 3146 | 1541 | 1464 | 31 | | | | |
| 629 | 133 | 26 | 3181 | 1519 | 1456 | 36 | | | | |
| 630 | 133 | 46 | 3110 | 1527 | 1450 | 31 | | | | |
| 631 | 134 | 7 | 3136 | 1523 | 1468 | 30 | | | | |
| 632 | 134 | 27 | 3065 | 1537 | 1460 | 34 | | | | |
| 633 | 134 | 47 | 3105 | 1529 | 1456 | 33 | | | | |
| 634 | 135 | 8 | 3141 | 1519 | 1450 | 31 | | | | |
| 635 | 135 | 28 | 3095 | 1517 | 1444 | 31 | | | | |
| 636 | 135 | 48 | 3136 | 1527 | 1460 | 28 | | | | |
| 637 | 136 | 9 | 3100 | 1551 | 1456 | 30 | | | | |
| 638 | 136 | 29 | 3141 | 1479 | 1436 | 30 | | | | |
| 639 | 136 | 50 | 3131 | 1539 | 1464 | 25 | | | | |
| 640 | 137 | 10 | 3105 | 1525 | 1462 | 25 | | | | |
| 641 | 137 | 30 | 3141 | 1539 | 1455 | 27 | | | | |
| 642 | 137 | 50 | 3065 | 1533 | 1456 | 25 | | | | |
| 643 | 138 | 11 | 3100 | 1533 | 1442 | 25 | | | | |
| 644 | 138 | 31 | 3141 | 1515 | 1462 | 26 | | | | |
| 645 | 138 | 52 | 3136 | 1521 | 1460 | 30 | | | | |
| 646 | 139 | 12 | 3131 | 1527 | 1484 | 28 | | | | |
| 647 | 139 | 32 | 3045 | 1529 | 1460 | 29 | | | | |
| 648 | 139 | 52 | 3120 | 1533 | 1452 | 29 | | | | |
| 649 | 140 | 12 | 3131 | 1533 | 1454 | 27 | | | | |
| 650 | 140 | 32 | 3146 | 1533 | 1454 | 27 | | | | |
| 651 | 140 | 53 | 3100 | 1517 | 1448 | 40 | | | | |
| 652 | 141 | 13 | 3181 | 1521 | 1456 | 36 | | | | |
| 653 | 141 | 33 | 3151 | 1541 | 1470 | 37 | | | | |
| 654 | 141 | 53 | 3100 | 1539 | 1454 | 33 | | | | |
| 655 | 142 | 13 | 3166 | 1533 | 1480 | 40 | | | | |
| 656 | 142 | 33 | 3141 | 1527 | 1442 | 34 | | | | |
| 657 | 142 | 54 | 3151 | 1531 | 1450 | 37 | | | | |
| 658 | 143 | 14 | 3131 | 1533 | 1454 | 37 | | | | |
| 659 | 143 | 34 | 3221 | 1547 | 1462 | 39 | | | | |
| 660 | 143 | 54 | 3166 | 1527 | 1468 | 38 | | | | |
| 661 | 144 | 14 | 3242 | 1529 | 1452 | 27 | | | | |
| 662 | 144 | 35 | 3120 | 1549 | 1480 | 30 | | | | |
| 663 | 144 | 55 | 3141 | 1537 | 1470 | 29 | | | | |
| 664 | 145 | 15 | 3160 | 1523 | 1456 | 35 | | | | |
| 665 | 145 | 35 | 3242 | 1529 | 1472 | 37 | | | | |
| 666 | 145 | 55 | 3181 | 1535 | 1462 | 38 | | | | |

| -01 SWEET COUNT | 2-02 | | 2-33 | | 2-15 | | 2-16 | | 2-17 | | 2-18 | |
|-----------------------|--------------|------|--------------|------|--|---|--|--|--|--|--|--|
| | TIME MIN. | SEC. | TIME MIN. | SEC. | UTIL. HYD. PUMP OUTLET PRESS PSIG | 1STAGE HYD. ROTARY RUDDER INLET PSIG | UTIL. HYD. ROTARY RUDDER INLET PSIG | UTIL. HYD. ROTARY RUDDER INLET PSIG | UTIL. HYD. ROTARY RUDDER INLET PSIG | UTIL. HYD. ROTARY RUDDER INLET PSIG | NO.1 MAIN WHEEL BRAKE RETURN PSIG | NO.1 MAIN WHEEL BRAKE RETURN PSIG |
| 667 | 146 | 16 | | | 3120 | 1372 | 1368 | 1368 | 1368 | 38 | 38 | |
| 668 | 146 | 36 | | | 3060 | 1491 | 1491 | 1491 | 1491 | 34 | 34 | |
| 669 | 146 | 56 | | | 3221 | 1541 | 1541 | 1541 | 1541 | 37 | 37 | |
| 670 | 147 | 16 | | | 3115 | 1444 | 1444 | 1444 | 1444 | 43 | 43 | |
| 671 | 147 | 36 | | | 3131 | 1561 | 1561 | 1561 | 1561 | 39 | 39 | |
| 672 | 147 | 57 | | | 3156 | 1535 | 1535 | 1535 | 1535 | 39 | 39 | |
| 673 | 148 | 17 | | | 3115 | 1537 | 1537 | 1537 | 1537 | 38 | 38 | |
| 674 | 148 | 37 | | | 3085 | 1533 | 1533 | 1533 | 1533 | 42 | 42 | |
| 675 | 148 | 57 | | | 3136 | 1543 | 1543 | 1543 | 1543 | 33 | 33 | |
| 676 | 149 | 17 | | | 3105 | 1541 | 1541 | 1541 | 1541 | 27 | 27 | |
| 677 | 149 | 38 | | | 3120 | 1539 | 1539 | 1539 | 1539 | 31 | 31 | |
| 678 | 149 | 58 | | | 3136 | 1535 | 1535 | 1535 | 1535 | 29 | 29 | |
| 679 | 150 | 18 | | | 3085 | 1535 | 1535 | 1535 | 1535 | 27 | 27 | |
| 680 | 150 | 38 | | | 3141 | 1549 | 1549 | 1549 | 1549 | 27 | 27 | |
| 681 | 150 | 59 | | | 3242 | 1539 | 1539 | 1539 | 1539 | 36 | 36 | |
| 682 | 151 | 19 | | | 3146 | 1545 | 1545 | 1545 | 1545 | 29 | 29 | |
| 683 | 151 | 39 | | | 3120 | 1537 | 1537 | 1537 | 1537 | 31 | 31 | |
| 684 | 151 | 59 | | | 3252 | 1539 | 1539 | 1539 | 1539 | 34 | 34 | |
| 685 | 152 | 20 | | | 3065 | 1541 | 1541 | 1541 | 1541 | 37 | 37 | |
| 686 | 152 | 40 | | | 3131 | 1525 | 1525 | 1525 | 1525 | 27 | 27 | |
| 687 | 153 | 0 | | | 3120 | 1531 | 1531 | 1531 | 1531 | 30 | 30 | |
| 688 | 153 | 20 | | | 3146 | 1541 | 1541 | 1541 | 1541 | 27 | 27 | |
| 689 | 153 | 41 | | | 3161 | 1535 | 1535 | 1535 | 1535 | 28 | 28 | |
| 690 | 154 | 1 | | | 3247 | 1539 | 1539 | 1539 | 1539 | 39 | 39 | |
| 691 | 154 | 21 | | | 3171 | 1539 | 1539 | 1539 | 1539 | 36 | 36 | |
| 692 | 154 | 41 | | | 3166 | 1537 | 1537 | 1537 | 1537 | 37 | 37 | |
| 693 | 155 | 1 | | | 3272 | 1533 | 1533 | 1533 | 1533 | 34 | 34 | |
| 694 | 155 | 22 | | | 3136 | 1537 | 1537 | 1537 | 1537 | 30 | 30 | |
| 695 | 155 | 42 | | | 3166 | 1527 | 1527 | 1527 | 1527 | 30 | 30 | |
| 696 | 156 | 3 | | | 3141 | 1537 | 1537 | 1537 | 1537 | 30 | 30 | |
| 697 | 156 | 23 | | | 3141 | 1531 | 1531 | 1531 | 1531 | 31 | 31 | |
| 698 | 156 | 43 | | | 3106 | 1533 | 1533 | 1533 | 1533 | 31 | 31 | |
| 699 | 157 | 4 | | | 3065 | 1533 | 1533 | 1533 | 1533 | 27 | 27 | |
| 700 | 157 | 44 | | | 3131 | 1523 | 1523 | 1523 | 1523 | 27 | 27 | |
| 701 | 158 | 4 | | | 3131 | 1519 | 1519 | 1519 | 1519 | 27 | 27 | |
| 702 | 158 | 24 | | | 3120 | 1521 | 1521 | 1521 | 1521 | 24 | 24 | |
| 703 | 158 | 44 | | | 3181 | 1517 | 1517 | 1517 | 1517 | 25 | 25 | |

HH-53C S/N 68-10354
ARCTIC TEST
15 JANUARY 1971
RUN NO. 3 -40 DEG C/ -40 DEG F

| 3-01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-04 HEATER TEMP DEG.C | 3-05 HEATER IN DEG.C | 3-06 HEATER PLENUM CHamber TEMP DEG.C | 3-07 HEATER MAIN DIST. LS FWD DEG.C | 3-08 HEATER MAIN DIST. RS FWD DEG.C | 3-09 DISTRIBUTION DUCT OUTLET (CKPIT L.S.) DEG.C | 3-10 DISTRIBUTION DUCT OUTLET (CKPIT R.S.) DEG.C | 3-11 DISTRIBUTION DUCT OUTLET STA460 -478LS DEG.C | 3-12 DISTRIBUTION DUCT OUTLET STA460 -478LS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS HEAD LEVEL AIR TEMP DEG.C |
|------------------------|----------------------|----------------------|---------------------------------|-------------------------------|--|--|--|--|--|---|---|---|---|
| 272 | 11 | 32 | -26 | | -10 | -6 | 0 | -3 | -4 | 1 | 8 | -6 | -14 |
| 273 | 11 | 52 | -26 | | -9 | -6 | 0 | -3 | -4 | 1 | 8 | -6 | -13 |
| 274 | 12 | 11 | -26 | | -9 | -6 | 0 | -3 | -4 | 2 | 7 | -6 | -13 |
| 275 | 12 | 31 | -26 | | -9 | -6 | 0 | -3 | -4 | 2 | 8 | -6 | -13 |
| 276 | 12 | 50 | -26 | | -8 | -6 | 0 | -3 | -4 | 2 | 8 | -6 | -12 |
| 277 | 13 | 9 | -26 | | -9 | -6 | 0 | -3 | -4 | 2 | 7 | -6 | -13 |
| 278 | 13 | 29 | -25 | | -9 | -6 | 0 | -2 | -7 | 2 | 8 | -6 | -13 |
| 279 | 13 | 48 | -24 | | -8 | -5 | 0 | -2 | -7 | 3 | 7 | -6 | -12 |
| 280 | 14 | 8 | -25 | | -8 | -5 | 0 | -2 | -8 | 4 | 9 | -6 | -12 |
| 281 | 14 | 27 | -25 | | -8 | -5 | 0 | -2 | -7 | 3 | 7 | -6 | -13 |
| 282 | 14 | 47 | -25 | | -8 | -5 | 0 | -2 | -8 | 3 | 7 | -6 | -12 |
| 283 | 15 | 6 | -25 | | -9 | -5 | 0 | -2 | -7 | 4 | 7 | -6 | -12 |
| 284 | 15 | 26 | -25 | | -8 | -6 | 0 | -2 | -7 | 4 | 7 | -6 | -12 |
| 285 | 15 | 45 | -25 | | -8 | -6 | 0 | -2 | -7 | 3 | 7 | -6 | -12 |
| 286 | 16 | 5 | -25 | | -8 | -6 | 0 | -2 | -7 | 3 | 8 | -6 | -12 |
| 287 | 16 | 24 | -25 | | -8 | -6 | 0 | -2 | -8 | 3 | 9 | -6 | -13 |
| 288 | 16 | 43 | -24 | | -8 | -6 | 0 | -2 | -7 | 3 | 9 | -6 | -12 |
| 289 | 17 | 3 | -25 | | -8 | -5 | 0 | -2 | -7 | 3 | 8 | -6 | -12 |
| 290 | 17 | 22 | -25 | | -7 | -4 | 1 | -1 | -6 | 3 | 10 | -5 | -12 |
| 291 | 17 | 42 | -24 | | -7 | -4 | 1 | 0 | -6 | 3 | 5 | -5 | -12 |
| 292 | 18 | 1 | -24 | | -7 | -3 | 1 | 0 | -5 | 4 | 4 | -4 | -11 |
| 293 | 18 | 20 | -23 | | -6 | -3 | 2 | 0 | -5 | 3 | 2 | -4 | -11 |
| 294 | 18 | 40 | -23 | | -6 | -3 | 2 | 0 | -5 | 2 | 0 | -4 | -10 |
| 295 | 18 | 59 | -22 | | -5 | -3 | 2 | 0 | -4 | 2 | 0 | -3 | -11 |
| 296 | 19 | 19 | -22 | | -6 | -2 | 2 | -2 | -4 | 1 | 0 | -4 | -11 |
| 297 | 19 | 38 | -22 | | -6 | -2 | 2 | -2 | -5 | 0 | -2 | -4 | -11 |
| 298 | 19 | 57 | -21 | | -6 | -2 | 2 | -3 | -5 | 0 | -2 | -4 | -11 |
| 299 | 20 | 17 | -21 | | -5 | -2 | 2 | -3 | -5 | 0 | -2 | -4 | -11 |
| 300 | 20 | 36 | -20 | | -5 | -3 | 2 | -4 | -5 | 0 | -3 | -4 | -12 |
| 301 | 20 | 55 | -21 | | -5 | -2 | 1 | -4 | -5 | -1 | -3 | -4 | -12 |
| 302 | 21 | 15 | -20 | | -4 | -2 | 1 | -4 | -5 | -1 | -3 | -4 | -11 |
| 303 | 21 | 34 | -20 | | -5 | -3 | 1 | -4 | -4 | -2 | -4 | -4 | -12 |
| 304 | 21 | 54 | -20 | | -5 | -3 | 1 | -5 | -4 | -2 | -4 | -4 | -12 |
| 305 | 22 | 13 | -20 | | -5 | -3 | 0 | -5 | -5 | -2 | -5 | -5 | -12 |
| 306 | 22 | 33 | -20 | | -5 | -3 | 0 | -5 | -5 | -2 | -5 | -5 | -12 |
| 307 | 22 | 52 | -20 | | -6 | -4 | 0 | -5 | -6 | -3 | -6 | -5 | -12 |
| 308 | 23 | 11 | -20 | | -5 | -4 | 0 | -6 | -6 | -3 | -6 | -5 | -12 |
| 309 | 23 | 31 | -19 | | -5 | -4 | 0 | -6 | -5 | -3 | -7 | -6 | -12 |
| 310 | 23 | 50 | -20 | | -5 | -5 | -1 | -6 | -6 | -5 | -8 | -6 | -13 |
| 311 | 24 | 10 | -19 | | -6 | -6 | -1 | -6 | -6 | -5 | -8 | -6 | -13 |
| 312 | 24 | 29 | -19 | | -6 | -6 | -1 | -6 | -6 | -5 | -8 | -6 | -13 |
| 313 | 24 | 49 | -19 | | -6 | -6 | -2 | -6 | -6 | -5 | -7 | -6 | -13 |
| 314 | 25 | 8 | -19 | | -6 | -6 | -2 | -6 | -6 | -5 | -7 | -6 | -13 |
| 315 | 25 | 28 | -19 | | -6 | -6 | -2 | -6 | -6 | -5 | -8 | -7 | -14 |
| 316 | 25 | 47 | -19 | | -6 | -5 | -2 | -7 | -6 | -5 | -8 | -7 | -14 |

| 3-31 SWP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER PLENUM CHGR TEMP DEG.C | 3-07 HEATER MAIN DIST. LS FWD DEG.C | 3-08 HEATER MAIN DIST. RS FWD DEG.C | 3-09 DIST. OUTLET (CRPIT L.S.) DEG.C | 3-10 DIST. OUTLET (CRPIT R.S.) DEG.C | 3-11 DIST. OUTLET ST4460 -478RS DEG.C | 3-12 DIST. OUTLET ST4460 -478LS DEG.C | 3-13 PILOTS WEAT LEVEL AIR TEMP DEG.C | 3-14 PILOTS WEAT LEVEL AIR TEMP DEG.C |
|----------------------|----------------------|----------------------|---------------------------------------|---|--|--|---|---|--|--|---|---|
| 317 | 26 | 7 | -19 | -6 | -6 | -3 | -7 | -6 | -6 | -8 | -6 | -14 |
| 318 | 26 | 26 | -13 | -6 | -6 | -3 | -7 | -6 | -6 | -8 | -7 | -14 |
| 319 | 26 | 46 | -16 | -6 | -6 | -2 | -7 | -6 | -6 | -8 | -7 | -14 |
| 320 | 27 | 5 | -18 | -6 | -6 | -3 | -8 | -6 | -6 | -10 | -8 | -14 |
| 321 | 27 | 25 | -18 | -6 | -6 | -3 | -7 | -6 | -6 | -10 | -7 | -14 |
| 322 | 27 | 45 | -17 | -6 | -7 | -4 | -8 | -7 | -7 | -10 | -7 | -14 |
| 323 | 28 | 4 | -18 | -7 | -7 | -4 | -8 | -7 | -7 | -10 | -7 | -14 |
| 324 | 28 | 24 | -18 | -8 | -8 | -4 | -8 | -7 | -8 | -10 | -7 | -14 |
| 325 | 28 | 44 | -18 | -8 | -7 | -4 | -7 | -8 | -8 | -12 | -8 | -15 |
| 326 | 29 | 3 | -18 | -8 | -8 | -4 | -8 | -8 | -8 | -12 | -7 | -16 |
| 327 | 29 | 23 | -19 | -8 | -8 | -5 | -9 | -8 | -9 | -12 | -8 | -16 |
| 328 | 29 | 43 | -18 | -8 | -8 | -6 | -9 | -8 | -9 | -13 | -8 | -17 |
| 329 | 30 | 2 | -18 | -8 | -8 | -6 | -9 | -8 | -9 | -12 | -8 | -16 |
| 330 | 30 | 22 | -18 | -9 | -8 | -6 | -9 | -9 | -10 | -12 | -10 | -16 |
| 331 | 30 | 42 | -18 | -8 | -8 | -6 | -9 | -8 | -10 | -12 | -9 | -16 |
| 332 | 31 | 1 | -18 | -9 | -9 | -6 | -10 | -8 | -10 | -13 | -10 | -16 |
| 333 | 31 | 21 | -18 | -9 | -9 | -7 | -10 | -9 | -10 | -12 | -10 | -16 |
| 334 | 31 | 41 | -18 | -8 | -10 | -7 | -10 | -9 | -10 | -13 | -10 | -17 |
| 335 | 32 | 1 | -17 | -8 | -10 | -7 | -10 | -9 | -10 | -14 | -9 | -17 |
| 336 | 32 | 20 | -18 | -10 | -10 | -7 | -11 | -10 | -11 | -14 | -10 | -17 |
| 337 | 32 | 40 | -18 | -10 | -10 | -7 | -11 | -9 | -10 | -14 | -10 | -17 |
| 338 | 33 | 0 | -18 | -10 | -10 | -8 | -11 | -9 | -11 | -14 | -10 | -18 |
| 339 | 33 | 20 | -18 | -10 | -10 | -8 | -11 | -9 | -11 | -14 | -10 | -18 |
| 340 | 33 | 40 | -18 | -10 | -10 | -8 | -10 | -10 | -11 | -14 | -10 | -17 |
| 341 | 33 | 59 | -18 | -10 | -10 | -8 | -10 | -10 | -11 | -14 | -10 | -17 |
| 342 | 34 | 19 | -18 | -10 | -10 | -9 | -10 | -10 | -11 | -14 | -10 | -17 |
| 343 | 34 | 39 | -18 | -10 | -10 | -8 | -10 | -10 | -12 | -14 | -10 | -17 |
| 344 | 34 | 59 | -18 | -11 | -11 | -10 | -11 | -11 | -12 | -14 | -11 | -18 |
| 345 | 35 | 19 | -18 | -11 | -11 | -10 | -11 | -11 | -12 | -14 | -11 | -18 |
| 346 | 35 | 39 | -18 | -11 | -11 | -9 | -10 | -10 | -12 | -14 | -10 | -18 |
| 347 | 35 | 58 | -18 | -11 | -11 | -10 | -10 | -10 | -12 | -14 | -10 | -18 |
| 348 | 36 | 18 | -18 | -11 | -11 | -10 | -12 | -11 | -12 | -14 | -11 | -18 |
| 349 | 36 | 38 | -18 | -11 | -12 | -10 | -12 | -11 | -12 | -14 | -11 | -18 |
| 350 | 36 | 58 | -18 | -12 | -12 | -10 | -12 | -11 | -12 | -14 | -12 | -18 |
| 351 | 37 | 18 | -18 | -12 | -12 | -10 | -13 | -11 | -12 | -15 | -11 | -18 |
| 352 | 37 | 38 | -18 | -12 | -12 | -10 | -12 | -11 | -12 | -15 | -11 | -18 |
| 353 | 37 | 58 | -18 | -12 | -13 | -11 | -12 | -12 | -12 | -15 | -11 | -18 |
| 354 | 38 | 18 | -18 | -12 | -12 | -11 | -13 | -12 | -12 | -16 | -11 | -18 |
| 355 | 38 | 38 | -18 | -12 | -12 | -11 | -12 | -12 | -14 | -16 | -11 | -18 |
| 356 | 38 | 58 | -19 | -13 | -13 | -11 | -13 | -13 | -14 | -16 | -11 | -18 |
| 357 | 39 | 18 | -18 | -12 | -13 | -12 | -12 | -13 | -15 | -16 | -11 | -18 |
| 358 | 39 | 37 | -28 | -6 | -7 | -7 | -13 | -12 | -15 | -18 | -11 | -18 |
| 359 | 39 | 57 | -28 | 36 | 29 | 29 | -12 | -13 | -16 | -18 | -13 | -19 |
| 360 | 40 | 17 | -28 | 51 | 48 | 53 | -7 | -12 | -15 | -18 | -12 | -19 |
| 361 | 40 | 37 | -26 | 61 | 59 | 58 | -1 | -12 | -15 | -18 | -12 | -17 |
| 362 | 40 | 57 | -25 | 67 | 66 | 65 | 0 | -11 | -14 | -17 | -12 | -16 |
| 363 | 41 | 17 | -24 | 74 | 72 | 65 | 7 | -10 | -14 | -17 | -12 | -15 |
| 364 | 41 | 37 | -25 | 79 | 78 | 69 | 6 | -9 | -13 | -16 | -11 | -15 |
| 365 | 41 | 57 | -28 | 82 | 79 | 72 | 7 | -8 | -16 | -18 | -13 | -18 |
| 366 | 42 | 17 | -27 | 87 | 84 | 76 | 9 | -5 | -15 | -18 | -12 | -18 |

| SEC. | MIN. | 3-07 TIME | 3-05 HEATER | 3-06 HEATER | 3-07 HEATER | 3-08 HEATER | 3-09 HEATER | 3-10 HEATER | 3-11 HEATER | 3-12 HEATER | 3-13 HEATER | 3-14 HEATER |
|------|------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| SEC. | MIN. | TIME | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP |
| SEC. | MIN. | TIME | IN | OUT | LS FWD | RS FWD | LS FWD | RS FWD | OUTLET | OUTLET | OUTLET | OUTLET |
| SEC. | MIN. | TIME | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 37 | 47 | 37 | -29 | 94 | 92 | 94 | 14 | 14 | 14 | 19 | -8 | -12 |
| 38 | 42 | 57 | -30 | 100 | 99 | 91 | 17 | 17 | 15 | 20 | -9 | -10 |
| 39 | 43 | 19 | -30 | 105 | 104 | 95 | 14 | 14 | 18 | 22 | -8 | -10 |
| 40 | 43 | 30 | -30 | 109 | 109 | 101 | 15 | 15 | 20 | 26 | -6 | -8 |
| 41 | 43 | 54 | -31 | 111 | 111 | 102 | 17 | 17 | 23 | 26 | -5 | -7 |
| 42 | 44 | 14 | -30 | 113 | 113 | 104 | 16 | 16 | 24 | 30 | -4 | -7 |
| 43 | 44 | 37 | -30 | 115 | 115 | 105 | 15 | 15 | 25 | 32 | -3 | -6 |
| 44 | 44 | 58 | -31 | 116 | 115 | 106 | 16 | 16 | 27 | 31 | -3 | -6 |
| 45 | 45 | 18 | -31 | 116 | 116 | 107 | 18 | 18 | 29 | 34 | -1 | -6 |
| 46 | 45 | 34 | -30 | 115 | 115 | 105 | 21 | 21 | 30 | 35 | -1 | -4 |
| 47 | 45 | 58 | -32 | 114 | 114 | 103 | 21 | 21 | 30 | 35 | -4 | -4 |
| 48 | 46 | 18 | -32 | 114 | 114 | 104 | 19 | 19 | 29 | 35 | 1 | -3 |
| 49 | 46 | 38 | -30 | 117 | 115 | 106 | 19 | 19 | 30 | 35 | 1 | -2 |
| 50 | 46 | 58 | -27 | 119 | 113 | 109 | 22 | 22 | 30 | 36 | 2 | 0 |
| 51 | 47 | 18 | -32 | 118 | 116 | 107 | 15 | 15 | 30 | 36 | 3 | 0 |
| 52 | 47 | 38 | -32 | 116 | 116 | 105 | 25 | 25 | 31 | 38 | 0 | 0 |
| 53 | 47 | 58 | -36 | 115 | 113 | 104 | 24 | 24 | 32 | 38 | 4 | 0 |
| 54 | 48 | 18 | -36 | 113 | 112 | 102 | 17 | 17 | 32 | 37 | 5 | 0 |
| 55 | 48 | 38 | -36 | 113 | 111 | 101 | 24 | 24 | 32 | 38 | 3 | 0 |
| 56 | 48 | 58 | -36 | 112 | 111 | 102 | 18 | 18 | 33 | 38 | 5 | 0 |
| 57 | 49 | 19 | -32 | 115 | 113 | 103 | 32 | 32 | 33 | 38 | 5 | 1 |
| 58 | 49 | 39 | -29 | 117 | 117 | 107 | 34 | 34 | 33 | 40 | 7 | 0 |
| 59 | 49 | 59 | -26 | 120 | 120 | 109 | 37 | 37 | 32 | 40 | 8 | 1 |
| 390 | 50 | 19 | -27 | 122 | 121 | 111 | 31 | 31 | 33 | 39 | 7 | 2 |
| 391 | 50 | 39 | -31 | 119 | 118 | 107 | 30 | 30 | 34 | 41 | 8 | 2 |
| 392 | 50 | 59 | -31 | 119 | 117 | 108 | 29 | 29 | 36 | 42 | 9 | 3 |
| 393 | 51 | 19 | -23 | 118 | 114 | 106 | 27 | 27 | 35 | 42 | 11 | 5 |
| 394 | 51 | 39 | -22 | 122 | 118 | 109 | 27 | 27 | 35 | 42 | 11 | 5 |
| 395 | 51 | 59 | -24 | 122 | 122 | 112 | 29 | 29 | 32 | 42 | 10 | 4 |
| 396 | 52 | 20 | -26 | 120 | 120 | 110 | 33 | 33 | 32 | 40 | 11 | 4 |
| 397 | 52 | 40 | -29 | 118 | 119 | 109 | 33 | 33 | 34 | 40 | 11 | 4 |
| 398 | 53 | 0 | -29 | 118 | 117 | 107 | 36 | 36 | 36 | 42 | 11 | 4 |
| 399 | 53 | 20 | -30 | 118 | 115 | 106 | 37 | 37 | 37 | 40 | 11 | 3 |
| 400 | 53 | 40 | -35 | 115 | 114 | 103 | 37 | 37 | 36 | 40 | 11 | 3 |
| 401 | 54 | 0 | -33 | 115 | 113 | 105 | 38 | 38 | 36 | 41 | 11 | 3 |
| 402 | 54 | 21 | -32 | 114 | 113 | 102 | 39 | 39 | 37 | 42 | 14 | 4 |
| 403 | 54 | 41 | -36 | 115 | 112 | 102 | 38 | 38 | 37 | 42 | 14 | 4 |
| 404 | 55 | 1 | -37 | 113 | 112 | 101 | 37 | 37 | 38 | 41 | 13 | 5 |
| 405 | 55 | 21 | -37 | 112 | 111 | 101 | 38 | 38 | 37 | 41 | 15 | 5 |
| 406 | 55 | 41 | -37 | 113 | 110 | 101 | 38 | 38 | 36 | 41 | 15 | 5 |
| 407 | 56 | 1 | -36 | 113 | 112 | 101 | 38 | 38 | 36 | 41 | 15 | 5 |
| 408 | 56 | 21 | -36 | 113 | 111 | 101 | 38 | 38 | 37 | 42 | 16 | 6 |
| 409 | 56 | 41 | -38 | 113 | 111 | 100 | 36 | 36 | 37 | 42 | 16 | 6 |
| 410 | 57 | 1 | -36 | 112 | 111 | 101 | 31 | 31 | 36 | 42 | 22 | 6 |
| 411 | 57 | 22 | -36 | 111 | 111 | 100 | 37 | 37 | 37 | 42 | 17 | 7 |
| 412 | 57 | 42 | -29 | 119 | 117 | 107 | 38 | 38 | 36 | 42 | 16 | 7 |
| 413 | 58 | 2 | -27 | 123 | 123 | 112 | 42 | 42 | 38 | 44 | 18 | 8 |
| 414 | 58 | 22 | -26 | 125 | 125 | 115 | 44 | 44 | 40 | 44 | 18 | 8 |
| 415 | 58 | 42 | -26 | 126 | 126 | 116 | 45 | 45 | 41 | 45 | 19 | 8 |
| 416 | 59 | 2 | -28 | 125 | 123 | 113 | 46 | 46 | 41 | 49 | 19 | 8 |

| 3-01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C | 3-07 HEATER MAIN DUCT LS FWD DEG.C | 3-08 HEATER MAIN DUCT RS FWD DEG.C | 3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C | 3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C | 3-11 DIST. DUCT OUTLET STA460 -470RS DEG.C | 3-12 DIST. DUCT OUTLET STA460 -470LS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS HEAD LEVEL AIR TEMP DEG.C |
|------------------------|----------------------|----------------------|---------------------------------------|--|---|---|---|---|--|--|---|---|
| 417 | 59 | 22 | -31 | 122 | 121 | 110 | 45 | 35 | 42 | 48 | 19 | 9 |
| 418 | 59 | 42 | -35 | 119 | 118 | 108 | 44 | 36 | 43 | 47 | 20 | 11 |
| 419 | 60 | 2 | -36 | 118 | 116 | 106 | 45 | 36 | 41 | 48 | 19 | 10 |
| 420 | 60 | 22 | -34 | 117 | 115 | 104 | 44 | 36 | 41 | 47 | 28 | 11 |
| 421 | 60 | 42 | -34 | 115 | 115 | 104 | 45 | 38 | 42 | 48 | 21 | 14 |
| 422 | 61 | 3 | -32 | 113 | 113 | 102 | 46 | 38 | 40 | 46 | 21 | 14 |
| 423 | 61 | 23 | -31 | 112 | 112 | 102 | 44 | 38 | 40 | 45 | 22 | 15 |
| 424 | 61 | 43 | -32 | 113 | 113 | 103 | 41 | 38 | 39 | 44 | 22 | 15 |
| 425 | 62 | 3 | -31 | 114 | 113 | 103 | 41 | 39 | 38 | 44 | 22 | 15 |
| 426 | 62 | 23 | -31 | 114 | 113 | 104 | 42 | 39 | 38 | 44 | 23 | 16 |
| 427 | 62 | 43 | -31 | 114 | 114 | 104 | 44 | 39 | 38 | 45 | 23 | 16 |
| 428 | 63 | 3 | -30 | 114 | 114 | 103 | 44 | 40 | 38 | 44 | 23 | 17 |
| 429 | 63 | 23 | -30 | 115 | 114 | 103 | 45 | 40 | 38 | 45 | 24 | 17 |
| 430 | 63 | 43 | -30 | 114 | 114 | 103 | 47 | 41 | 48 | 43 | 24 | 17 |
| 431 | 64 | 3 | -31 | 112 | 113 | 101 | 45 | 38 | 38 | 43 | 22 | 15 |
| 432 | 64 | 23 | -31 | 112 | 112 | 102 | 44 | 39 | 38 | 43 | 22 | 15 |
| 433 | 64 | 43 | -31 | 113 | 113 | 104 | 46 | 39 | 39 | 46 | 24 | 17 |
| 434 | 65 | 4 | -31 | 113 | 113 | 102 | 48 | 39 | 39 | 45 | 24 | 17 |
| 435 | 65 | 24 | -30 | 115 | 114 | 104 | 46 | 40 | 39 | 47 | 25 | 18 |
| 436 | 65 | 44 | -31 | 113 | 113 | 102 | 48 | 39 | 39 | 46 | 24 | 17 |
| 437 | 66 | 4 | -30 | 112 | 112 | 102 | 46 | 40 | 40 | 44 | 24 | 17 |
| 438 | 66 | 24 | -31 | 111 | 111 | 101 | 48 | 40 | 40 | 45 | 25 | 18 |
| 439 | 66 | 44 | -31 | 110 | 111 | 100 | 47 | 40 | 41 | 48 | 24 | 17 |
| 440 | 67 | 4 | -30 | 112 | 112 | 102 | 48 | 41 | 41 | 47 | 26 | 18 |
| 441 | 67 | 24 | -32 | 111 | 111 | 100 | 46 | 41 | 38 | 45 | 25 | 19 |
| 442 | 67 | 44 | -32 | 111 | 111 | 100 | 46 | 41 | 41 | 43 | 24 | 18 |
| 443 | 68 | 4 | -31 | 112 | 112 | 102 | 47 | 41 | 41 | 43 | 25 | 19 |
| 444 | 68 | 24 | -31 | 111 | 112 | 101 | 46 | 42 | 41 | 42 | 25 | 19 |
| 445 | 68 | 44 | -30 | 112 | 112 | 101 | 46 | 42 | 41 | 44 | 26 | 21 |
| 446 | 69 | 4 | -30 | 112 | 112 | 102 | 48 | 42 | 41 | 43 | 25 | 21 |
| 447 | 69 | 24 | -30 | 112 | 112 | 101 | 49 | 42 | 41 | 46 | 26 | 21 |
| 448 | 69 | 44 | -31 | 112 | 112 | 101 | 50 | 42 | 48 | 45 | 27 | 21 |
| 449 | 70 | 4 | -31 | 111 | 112 | 100 | 47 | 42 | 48 | 45 | 28 | 20 |
| 450 | 70 | 24 | -31 | 112 | 112 | 102 | 49 | 42 | 41 | 45 | 26 | 20 |
| 451 | 70 | 44 | -31 | 112 | 112 | 102 | 49 | 41 | 42 | 46 | 26 | 20 |
| 452 | 71 | 5 | -30 | 111 | 112 | 101 | 50 | 42 | 42 | 47 | 28 | 21 |
| 453 | 71 | 25 | -32 | 111 | 111 | 100 | 50 | 42 | 42 | 47 | 27 | 21 |
| 454 | 71 | 45 | -31 | 111 | 111 | 100 | 49 | 41 | 42 | 47 | 27 | 20 |
| 455 | 72 | 5 | -31 | 107 | 107 | 96 | 48 | 41 | 43 | 45 | 27 | 20 |
| 456 | 72 | 25 | -32 | 64 | 64 | 54 | 45 | 41 | 41 | 42 | 26 | 21 |
| 457 | 72 | 45 | -33 | 23 | 23 | 18 | 39 | 40 | 36 | 34 | 28 | 21 |
| 458 | 73 | 5 | -35 | 29 | 29 | 25 | 31 | 38 | 28 | 34 | 24 | 18 |
| 459 | 73 | 25 | -34 | 59 | 59 | 53 | 30 | 26 | 28 | 28 | 24 | 17 |
| 460 | 73 | 46 | -33 | 80 | 79 | 71 | 33 | 28 | 28 | 31 | 24 | 17 |
| 461 | 74 | 6 | -32 | 92 | 92 | 83 | 37 | 37 | 31 | 34 | 24 | 16 |
| 462 | 74 | 26 | -30 | 101 | 101 | 91 | 39 | 39 | 34 | 33 | 25 | 18 |
| 463 | 74 | 46 | -31 | 100 | 101 | 90 | 40 | 37 | 36 | 40 | 25 | 18 |
| 464 | 75 | 6 | -32 | 61 | 61 | 51 | 40 | 37 | 36 | 38 | 25 | 18 |
| 465 | 75 | 26 | -34 | 34 | 34 | 28 | 34 | 36 | 32 | 31 | 25 | 18 |
| 466 | 75 | 47 | -31 | 57 | 57 | 50 | 30 | 34 | 28 | 29 | 23 | 23 |

| -01 SHEET NO. | 3-12 TIME MIN. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER PLENUM CHAMBER TEMP OUT DEG.C | 3-07 HEATER MAIN DUCT LS FWD DEG.C | 3-08 HEATER MAIN DUCT PS FWD DEG.C | 3-09 DIST. DUCT OUTLET (CKPIT L.S.) DEG.C | 3-10 DIST. DUCT OUTLET (CKPIT R.S.) DEG.C | 3-11 DIST. DUCT OUTLET ST4460 -47ORS DEG.C | 3-12 DIST. DUCT OUTLET ST4460 -47OLS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS WAST LEVEL AIR TEMP DEG.C |
|---------------------|----------------------|---------------------------------------|---|---|---|---|---|--|--|---|---|
| 487 | 7 | -27 | 81 | 82 | 73 | 33 | 34 | 28 | 34 | 24 | 25 |
| 488 | 27 | -29 | 79 | 79 | 70 | 36 | 34 | 32 | 35 | 25 | 26 |
| 489 | 47 | -32 | 40 | 41 | 33 | 35 | 33 | 31 | 35 | 24 | 27 |
| 490 | 7 | -32 | 45 | 45 | 39 | 31 | 32 | 28 | 28 | 24 | 26 |
| 491 | 27 | -33 | 65 | 67 | 59 | 29 | 31 | 27 | 29 | 22 | 25 |
| 492 | 48 | -34 | 70 | 73 | 64 | 34 | 31 | 29 | 33 | 22 | 25 |
| 493 | 8 | -34 | 66 | 70 | 62 | 34 | 30 | 28 | 32 | 19 | 20 |
| 494 | 28 | -34 | 59 | 63 | 55 | 33 | 32 | 24 | 34 | 24 | 20 |
| 495 | 48 | -35 | 56 | 59 | 52 | 32 | 33 | 31 | 33 | 23 | 18 |
| 496 | 8 | -36 | 50 | 53 | 48 | 31 | 32 | 30 | 30 | 22 | 16 |
| 497 | 79 | -31 | 49 | 51 | 46 | 28 | 32 | 29 | 29 | 22 | 15 |
| 498 | 20 | -26 | 48 | 49 | 46 | 31 | 31 | 27 | 25 | 21 | 12 |
| 499 | 9 | -20 | 48 | 48 | 45 | 25 | 30 | 24 | 23 | 11 | 11 |
| 500 | 47 | -18 | 44 | 47 | 44 | 25 | 30 | 23 | 22 | 19 | 10 |
| 501 | 20 | -12 | 48 | 46 | 43 | 24 | 30 | 21 | 19 | 19 | 10 |
| 502 | 80 | -15 | 46 | 45 | 42 | 23 | 30 | 19 | 18 | 18 | 10 |
| 503 | 61 | -20 | 45 | 44 | 41 | 24 | 29 | 19 | 18 | 18 | 10 |
| 504 | 41 | -25 | 41 | 40 | 40 | 24 | 29 | 18 | 18 | 18 | 10 |
| 505 | 51 | -27 | 37 | 38 | 35 | 23 | 28 | 18 | 17 | 18 | 10 |
| 506 | 11 | -27 | 33 | 33 | 31 | 23 | 28 | 17 | 16 | 17 | 9 |
| 507 | 487 | -29 | 19 | 19 | 17 | 20 | 24 | 15 | 14 | 16 | 6 |
| 508 | 12 | -25 | 8 | 9 | 7 | 18 | 25 | 12 | 12 | 12 | 7 |
| 509 | 32 | -25 | 1 | 2 | 0 | 16 | 24 | 11 | 10 | 15 | 7 |
| 510 | 52 | -20 | -4 | -3 | -4 | 18 | 22 | 9 | 9 | 15 | 8 |
| 511 | 13 | -21 | -8 | -7 | -8 | 18 | 22 | 8 | 9 | 15 | 8 |
| 512 | 33 | -21 | -12 | -11 | -11 | 17 | 22 | 6 | 7 | 15 | 9 |
| 513 | 53 | -22 | -16 | -15 | -15 | 17 | 19 | 6 | 7 | 15 | 9 |
| 514 | 13 | -22 | -16 | -15 | -15 | 16 | 20 | 5 | 6 | 14 | 9 |
| 515 | 85 | -22 | -16 | -15 | -15 | 15 | 21 | 5 | 5 | 14 | 9 |
| 516 | 85 | -22 | -18 | -17 | -17 | 15 | 19 | 4 | 4 | 13 | 9 |
| 517 | 495 | -21 | -19 | -18 | -18 | 14 | 18 | 3 | 3 | 13 | 7 |
| 518 | 14 | -20 | -19 | -18 | -18 | 13 | 16 | 2 | 2 | 13 | 7 |
| 519 | 34 | -21 | -19 | -18 | -18 | 12 | 15 | 1 | 2 | 13 | 6 |
| 520 | 56 | -22 | -20 | -19 | -20 | 11 | 14 | 1 | 1 | 13 | 6 |
| 521 | 15 | -23 | -22 | -20 | -20 | 11 | 13 | 0 | 0 | 12 | 5 |
| 522 | 35 | -24 | -22 | -20 | -20 | 10 | 12 | 0 | 0 | 12 | 5 |
| 523 | 56 | -26 | -24 | -22 | -22 | 9 | 11 | 0 | 0 | 11 | 4 |
| 524 | 16 | -26 | -24 | -22 | -23 | 8 | 11 | -1 | 0 | 11 | 4 |
| 525 | 88 | -25 | -24 | -23 | -23 | 8 | 9 | -1 | -1 | 11 | 3 |
| 526 | 36 | -24 | -24 | -23 | -24 | 8 | 9 | -2 | -1 | 11 | 4 |
| 527 | 56 | -24 | -24 | -23 | -24 | 8 | 9 | -2 | -1 | 11 | 4 |
| 528 | 17 | -23 | -24 | -23 | -23 | 8 | 9 | -3 | -2 | 11 | 1 |
| 529 | 37 | -24 | -24 | -23 | -23 | 7 | 6 | -4 | -4 | 10 | 1 |
| 530 | 57 | -22 | -23 | -22 | -23 | 6 | 5 | -4 | -3 | 10 | 1 |
| 531 | 18 | -20 | -23 | -21 | -22 | 6 | 5 | -4 | -4 | 10 | 1 |
| 532 | 90 | -22 | -22 | -21 | -22 | 6 | 5 | -4 | -4 | 9 | 1 |
| 533 | 50 | -20 | -22 | -21 | -22 | 6 | 5 | -5 | -4 | 9 | 1 |
| 534 | 33 | -22 | -22 | -21 | -22 | 6 | 5 | -5 | -4 | 9 | 1 |
| 535 | 50 | -22 | -22 | -21 | -22 | 6 | 5 | -5 | -4 | 9 | 1 |
| 536 | 90 | -21 | -21 | -21 | -21 | 5 | 5 | -4 | -4 | 9 | 1 |
| 537 | 51 | -22 | -21 | -21 | -21 | 5 | 5 | -4 | -4 | 9 | 1 |
| 538 | 91 | -21 | -21 | -21 | -21 | 5 | 5 | -4 | -4 | 9 | 1 |
| 539 | 513 | -24 | -23 | -22 | -22 | 5 | 5 | -4 | -4 | 9 | 1 |
| 540 | 92 | -24 | -23 | -22 | -22 | 5 | 5 | -4 | -4 | 9 | 1 |
| 541 | 514 | -24 | -23 | -22 | -22 | 5 | 5 | -4 | -4 | 9 | 1 |
| 542 | 92 | -22 | -24 | -22 | -23 | 5 | 5 | -4 | -4 | 9 | 1 |
| 543 | 515 | -22 | -24 | -22 | -23 | 5 | 5 | -4 | -4 | 9 | 1 |
| 544 | 92 | -22 | -24 | -22 | -23 | 5 | 5 | -4 | -4 | 9 | 1 |
| 545 | 516 | -22 | -24 | -22 | -23 | 5 | 5 | -4 | -4 | 9 | 1 |

| SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C | 3-07 HEATER MAIN DUCT OUT LS FWD DEG.C | 3-08 HEATER MAIN DUCT OUT RS FWD DEG.C | 3-09 DIST. DUCT OUTLET ICKPIT L.S.J DEG.C | 3-10 DIST. DUCT OUTLET ICKPIT R.S.J DEG.C | 3-11 DIST. DUCT OUTLET STA460 --47DLS DEG.C | 3-12 DIST. DUCT OUTLET STA460 --47DLS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS WAISY LEVEL AIR TEMP DEG.C |
|----------------|----------------------|----------------------|---------------------------------------|--|--|--|---|---|---|---|---|--|
| 517 | 93 | 2 | -21 | -22 | -22 | -22 | 3 | 0 | -7 | -6 | 7 | -1 |
| 518 | 93 | 25 | -20 | -22 | -21 | -22 | 2 | 0 | -7 | -6 | 7 | -0 |
| 519 | 95 | 42 | -20 | -22 | -21 | -21 | 1 | -2 | -8 | -7 | 6 | -2 |
| 520 | 96 | 3 | -19 | -20 | -20 | -20 | 1 | -2 | -8 | -7 | 5 | -2 |
| 521 | 96 | 23 | -20 | -21 | -20 | -20 | 1 | -2 | -8 | -7 | 5 | -2 |
| 522 | 96 | 44 | -20 | -21 | -19 | -20 | 1 | -2 | -8 | -7 | 5 | -2 |
| 523 | 97 | 5 | -20 | -21 | -20 | -20 | 1 | -3 | -8 | -7 | 5 | -2 |
| 524 | 97 | 25 | -22 | -22 | -20 | -21 | 0 | -4 | -8 | -8 | 4 | -3 |
| 525 | 97 | 46 | -22 | -23 | -21 | -22 | 0 | -4 | -8 | -7 | 5 | -4 |
| 526 | 98 | 6 | -21 | -22 | -21 | -22 | 0 | -4 | -8 | -8 | 4 | -4 |
| 527 | 98 | 27 | -21 | -22 | -21 | -22 | 0 | -4 | -8 | -8 | 4 | -4 |
| 528 | 98 | 44 | -20 | -22 | -21 | -22 | 0 | -5 | -9 | -9 | 4 | -4 |
| 529 | 99 | 8 | -20 | -22 | -20 | -22 | 0 | -5 | -9 | -9 | 3 | -4 |
| 530 | 99 | 29 | -21 | -22 | -21 | -22 | 0 | -4 | -10 | -9 | 4 | -4 |
| 531 | 99 | 49 | -21 | -22 | -21 | -21 | 0 | -6 | -9 | -8 | 4 | -5 |
| 532 | 100 | 30 | -22 | -23 | -22 | -22 | 0 | -6 | -10 | -9 | 4 | -5 |
| 533 | 100 | 53 | -26 | -25 | -24 | -24 | 0 | -6 | -10 | -10 | 3 | -6 |
| 534 | 100 | 51 | -31 | -27 | -25 | -25 | 0 | -6 | -10 | -10 | 3 | -6 |
| 535 | 101 | 11 | -32 | -28 | -27 | -27 | 0 | -7 | -11 | -10 | 3 | -7 |
| 536 | 101 | 32 | -33 | -31 | -28 | -29 | 0 | -9 | -11 | -11 | 2 | -8 |
| 537 | 101 | 52 | -33 | -31 | -30 | -30 | -2 | -8 | -11 | -11 | 2 | -8 |
| 538 | 102 | 13 | -33 | -31 | -30 | -30 | -2 | -8 | -12 | -12 | 1 | -10 |
| 539 | 102 | 33 | -32 | -30 | -30 | -30 | -2 | -9 | -12 | -12 | 1 | -10 |
| 540 | 102 | 54 | -30 | -32 | -30 | -30 | -3 | -10 | -12 | -12 | 2 | -10 |
| 541 | 103 | 14 | -32 | -32 | -30 | -31 | -4 | -9 | -14 | -12 | 0 | -9 |
| 542 | 103 | 35 | -32 | -32 | -30 | -30 | -4 | -10 | -14 | -12 | 0 | -10 |
| 543 | 103 | 55 | -32 | -32 | -31 | -31 | -3 | -9 | -14 | -13 | 1 | -10 |
| 544 | 104 | 16 | -33 | -32 | -31 | -31 | -4 | -10 | -14 | -14 | 0 | -10 |
| 545 | 104 | 36 | -32 | -32 | -31 | -31 | -4 | -10 | -14 | -14 | 0 | -10 |
| 546 | 104 | 57 | -32 | -32 | -31 | -31 | -4 | -11 | -14 | -14 | 0 | -11 |
| 547 | 105 | 17 | -31 | -31 | -31 | -31 | -4 | -11 | -15 | -14 | 0 | -11 |
| 548 | 105 | 38 | -30 | -31 | -30 | -31 | -4 | -11 | -15 | -16 | 0 | -11 |
| 549 | 105 | 58 | -31 | -31 | -30 | -31 | -4 | -11 | -15 | -16 | 0 | -11 |
| 550 | 105 | 19 | -30 | -32 | -30 | -30 | -5 | -11 | -17 | -15 | 0 | -11 |
| 551 | 106 | 39 | -31 | -32 | -31 | -31 | -5 | -12 | -17 | -16 | 0 | -12 |
| 552 | 107 | 0 | -31 | -32 | -31 | -31 | -6 | -13 | -16 | -16 | 0 | -12 |
| 553 | 107 | 23 | -30 | -31 | -30 | -30 | -5 | -12 | -17 | -14 | -1 | -12 |
| 554 | 107 | 41 | -32 | -33 | -31 | -31 | -5 | -12 | -16 | -16 | -1 | -12 |
| 555 | 108 | 1 | -31 | -31 | -30 | -30 | -5 | -12 | -16 | -16 | -1 | -12 |
| 556 | 108 | 22 | -32 | -32 | -31 | -31 | -6 | -13 | -16 | -16 | -2 | -12 |
| 557 | 108 | 42 | -32 | -32 | -31 | -31 | -7 | -13 | -17 | -16 | -2 | -12 |
| 558 | 109 | 2 | -31 | -32 | -31 | -32 | -5 | -13 | -18 | -16 | -1 | -14 |
| 559 | 109 | 23 | -32 | -32 | -31 | -31 | -6 | -13 | -18 | -16 | -1 | -14 |
| 560 | 109 | 43 | -32 | -32 | -31 | -31 | -6 | -13 | -18 | -17 | -2 | -14 |
| 561 | 110 | 4 | -31 | -32 | -31 | -31 | -6 | -13 | -18 | -17 | -2 | -13 |
| 562 | 110 | 24 | -32 | -32 | -31 | -32 | -7 | -15 | -18 | -17 | -2 | -14 |
| 563 | 110 | 45 | -31 | -32 | -31 | -31 | -6 | -14 | -18 | -18 | -3 | -14 |
| 564 | 111 | 5 | -32 | -33 | -31 | -32 | -8 | -16 | -18 | -18 | -3 | -14 |
| 565 | 111 | 26 | -32 | -33 | -31 | -31 | -7 | -15 | -18 | -18 | -2 | -14 |
| 566 | 111 | 46 | -31 | -32 | -31 | -32 | -8 | -15 | -18 | -18 | -2 | -14 |

| SKIFF POINT | TIME MIN. | TIME SEC. | 3-05 HEATER | | 3-06 HEATER OLENUM CHamber | | 3-07 HEATER MAIN DIST. | | 3-08 HEATER MAIN DIST. | | 3-09 DIST. DUCT OUTLET CKPBIT L.S.J | | 3-10 DIST. DUCT OUTLET CKPBIT R.S.J | | 3-11 DIST. DUCT OUTLET ST4460 -47BKS | | 3-12 DIST. DUCT OUTLET ST4460 -47BKS | | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | | 3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C | |
|----------------|--------------|--------------|---------------------|----------------------|-------------------------------------|----------------------|---------------------------------|----------------------|---------------------------------|----------------------|--|----------------------|--|----------------------|---|----------------------|---|----------------------|---|----------------------|--|----------------------|
| | | | TEMP IN DEG.C | TEMP OUT DEG.C | TEMP IN DEG.C | TEMP OUT DEG.C | TEMP IN DEG.C | TEMP OUT DEG.C | TEMP IN DEG.C | TEMP OUT DEG.C | TEMP IN DEG.C | TEMP OUT DEG.C | TEMP IN DEG.C | TEMP OUT DEG.C | TEMP IN DEG.C | TEMP OUT DEG.C | TEMP IN DEG.C | TEMP OUT DEG.C | TEMP IN DEG.C | TEMP OUT DEG.C | TEMP IN DEG.C | TEMP OUT DEG.C |
| 567 | 112 | 7 | -30 | -32 | -30 | -31 | -31 | -31 | -31 | -9 | -14 | -19 | -19 | -18 | -3 | -15 | | | | | | |
| 568 | 112 | 27 | -31 | -32 | -30 | -31 | -31 | -31 | -31 | -7 | -15 | -20 | -20 | -18 | -3 | -14 | | | | | | |
| 569 | 112 | 48 | -30 | -32 | -30 | -30 | -30 | -30 | -30 | -7 | -14 | -19 | -19 | -18 | -2 | -14 | | | | | | |
| 570 | 113 | 8 | -32 | -33 | -32 | -32 | -32 | -32 | -32 | -8 | -16 | -19 | -19 | -18 | -4 | -16 | | | | | | |
| 571 | 113 | 29 | -33 | -33 | -31 | -31 | -31 | -31 | -31 | -9 | -16 | -19 | -19 | -18 | -4 | -15 | | | | | | |
| 572 | 113 | 9 | -33 | -34 | -32 | -32 | -32 | -32 | -32 | -8 | -16 | -19 | -19 | -18 | -4 | -16 | | | | | | |
| 573 | 114 | 70 | -32 | -34 | -32 | -32 | -32 | -32 | -32 | -10 | -16 | -19 | -19 | -18 | -5 | -16 | | | | | | |
| 574 | 114 | 50 | -32 | -33 | -32 | -32 | -32 | -32 | -32 | -9 | -17 | -20 | -20 | -20 | -4 | -16 | | | | | | |
| 575 | 114 | 10 | -31 | -32 | -31 | -31 | -31 | -31 | -31 | -9 | -15 | -19 | -19 | -18 | -3 | -16 | | | | | | |
| 576 | 115 | 31 | -33 | -34 | -32 | -32 | -32 | -32 | -32 | -10 | -15 | -20 | -20 | -20 | -4 | -16 | | | | | | |
| 577 | 115 | 51 | -31 | -32 | -32 | -32 | -32 | -32 | -32 | -8 | -15 | -20 | -20 | -19 | -4 | -16 | | | | | | |
| 578 | 115 | 11 | -31 | -33 | -31 | -31 | -31 | -31 | -31 | -9 | -16 | -19 | -19 | -19 | -5 | -16 | | | | | | |
| 579 | 116 | 32 | -32 | -33 | -32 | -32 | -32 | -32 | -32 | -9 | -16 | -19 | -19 | -18 | -4 | -16 | | | | | | |
| 580 | 116 | 52 | -31 | -32 | -31 | -31 | -31 | -31 | -31 | -9 | -16 | -19 | -19 | -19 | -5 | -15 | | | | | | |
| 581 | 117 | 12 | -32 | -33 | -32 | -32 | -32 | -32 | -32 | -9 | -16 | -19 | -19 | -18 | -4 | -16 | | | | | | |
| 582 | 117 | 33 | -30 | -31 | -31 | -31 | -31 | -31 | -31 | -10 | -16 | -19 | -19 | -19 | -4 | -15 | | | | | | |
| 583 | 117 | 53 | -30 | -32 | -31 | -31 | -31 | -31 | -31 | -9 | -15 | -19 | -19 | -19 | -4 | -15 | | | | | | |
| 584 | 117 | 14 | -30 | -33 | -30 | -30 | -30 | -30 | -30 | -10 | -16 | -20 | -20 | -20 | -5 | -16 | | | | | | |
| 585 | 118 | 34 | -30 | -32 | -31 | -31 | -31 | -31 | -31 | -10 | -17 | -20 | -20 | -19 | -4 | -16 | | | | | | |
| 586 | 118 | 54 | -31 | -32 | -30 | -30 | -30 | -30 | -30 | -10 | -16 | -19 | -19 | -19 | -5 | -16 | | | | | | |
| 587 | 119 | 15 | -30 | -31 | -30 | -30 | -30 | -30 | -30 | -9 | -16 | -19 | -19 | -18 | -4 | -16 | | | | | | |
| 588 | 119 | 35 | -32 | -32 | -31 | -31 | -31 | -31 | -31 | -10 | -17 | -20 | -20 | -20 | -6 | -16 | | | | | | |
| 589 | 119 | 56 | -31 | -32 | -31 | -31 | -31 | -31 | -31 | -10 | -16 | -19 | -19 | -18 | -5 | -16 | | | | | | |
| 590 | 120 | 16 | -31 | -32 | -31 | -31 | -31 | -31 | -31 | -10 | -17 | -20 | -20 | -19 | -5 | -16 | | | | | | |
| 591 | 120 | 36 | -32 | -34 | -32 | -32 | -32 | -32 | -32 | -11 | -18 | -20 | -20 | -19 | -5 | -16 | | | | | | |
| 592 | 120 | 57 | -32 | -32 | -31 | -31 | -31 | -31 | -31 | -11 | -17 | -20 | -20 | -19 | -5 | -17 | | | | | | |
| 593 | 121 | 17 | -32 | -34 | -31 | -31 | -31 | -31 | -31 | -11 | -16 | -20 | -20 | -20 | -6 | -18 | | | | | | |
| 594 | 121 | 37 | -31 | -33 | -30 | -30 | -30 | -30 | -30 | -11 | -16 | -20 | -20 | -19 | -4 | -16 | | | | | | |
| 595 | 121 | 53 | -30 | -33 | -31 | -31 | -31 | -31 | -31 | -11 | -18 | -21 | -21 | -20 | -4 | -16 | | | | | | |
| 596 | 122 | 18 | -30 | -33 | -30 | -30 | -30 | -30 | -30 | -11 | -17 | -21 | -21 | -20 | -5 | -16 | | | | | | |
| 597 | 122 | 38 | -30 | -33 | -31 | -31 | -31 | -31 | -31 | -12 | -18 | -22 | -22 | -21 | -6 | -17 | | | | | | |
| 598 | 122 | 59 | -30 | -33 | -30 | -30 | -30 | -30 | -30 | -10 | -18 | -21 | -21 | -21 | -6 | -16 | | | | | | |
| 599 | 123 | 39 | -30 | -33 | -30 | -30 | -30 | -30 | -30 | -10 | -17 | -20 | -20 | -20 | -5 | -16 | | | | | | |
| 601 | 124 | 0 | -30 | -32 | -30 | -30 | -30 | -30 | -30 | -11 | -17 | -21 | -21 | -21 | -5 | -16 | | | | | | |
| 602 | 124 | 20 | -28 | -30 | -28 | -28 | -28 | -28 | -28 | -12 | -18 | -20 | -20 | -21 | -6 | -16 | | | | | | |
| 603 | 124 | 40 | -26 | -29 | -28 | -28 | -28 | -28 | -28 | -12 | -18 | -20 | -20 | -20 | -6 | -15 | | | | | | |
| 604 | 125 | 1 | -23 | -28 | -26 | -26 | -26 | -26 | -26 | -10 | -18 | -21 | -21 | -20 | -5 | -15 | | | | | | |
| 605 | 125 | 21 | -24 | -26 | -24 | -24 | -24 | -24 | -24 | -10 | -18 | -21 | -21 | -20 | -5 | -15 | | | | | | |
| 606 | 125 | 41 | -21 | -24 | -24 | -24 | -24 | -24 | -24 | -9 | -16 | -20 | -20 | -20 | -4 | -14 | | | | | | |
| 607 | 126 | 2 | -19 | -24 | -23 | -23 | -23 | -23 | -23 | -9 | -16 | -20 | -20 | -19 | -4 | -14 | | | | | | |
| 608 | 126 | 22 | -20 | -24 | -23 | -23 | -23 | -23 | -23 | -9 | -16 | -20 | -20 | -19 | -4 | -14 | | | | | | |
| 609 | 126 | 42 | -20 | -26 | -23 | -23 | -23 | -23 | -23 | -10 | -16 | -21 | -21 | -21 | -4 | -14 | | | | | | |
| 610 | 127 | 3 | -22 | -24 | -23 | -23 | -23 | -23 | -23 | -10 | -16 | -21 | -21 | -21 | -5 | -16 | | | | | | |
| 611 | 127 | 23 | -21 | -23 | -22 | -22 | -22 | -22 | -22 | -9 | -14 | -20 | -20 | -20 | -4 | -14 | | | | | | |
| 612 | 127 | 43 | -19 | -22 | -20 | -20 | -20 | -20 | -20 | -9 | -14 | -20 | -20 | -18 | -4 | -14 | | | | | | |
| 613 | 128 | 4 | -18 | -22 | -20 | -20 | -20 | -20 | -20 | -9 | -16 | -19 | -19 | -18 | -4 | -14 | | | | | | |
| 614 | 128 | 24 | -20 | -23 | -21 | -21 | -21 | -21 | -21 | -10 | -15 | -20 | -20 | -16 | -4 | -15 | | | | | | |
| 615 | 129 | 45 | -18 | -20 | -20 | -20 | -20 | -20 | -20 | -10 | -14 | -19 | -19 | -16 | -5 | -15 | | | | | | |
| 616 | 129 | 5 | -18 | -21 | -19 | -19 | -19 | -19 | -19 | -8 | -14 | -18 | -18 | -18 | -5 | -14 | | | | | | |

| SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-05 HEATER | | 3-06 HEATER PLENUM | | 3-07 HEATER MAIN | | 3-08 HEATER MAIN | | 3-09 DIST. DUCT | | 3-10 DIST. DUCT | | 3-11 DIST. DUCT | | 3-12 DIST. DUCT | | 3-13 PILOTS HEAD | | 3-14 PILOTS HEAD | |
|----------------|----------------------|----------------------|----------------|-------------|--------------------------|-------------|------------------------|---------------|------------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|------------------------|---------------|------------------------|---------------|
| | | | TEMP IN | TEMP OUT | TEMP IN | TEMP OUT | DIST. DUCT | DIST. DUCT | DIST. DUCT | DIST. DUCT | DIST. DUCT | DIST. DUCT | DIST. DUCT | DIST. DUCT | DIST. DUCT | DIST. DUCT | DIST. DUCT | DIST. DUCT | DIST. DUCT | DIST. DUCT | DIST. DUCT | DIST. DUCT |
| 617 | 129 | 25 | -20 | -22 | -20 | -20 | -20 | -20 | -20 | -10 | -15 | -19 | -16 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | |
| 618 | 129 | 45 | -19 | -20 | -20 | -20 | -20 | -20 | -20 | -9 | -14 | -19 | -18 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | |
| 619 | 130 | 6 | -20 | -22 | -21 | -20 | -20 | -20 | -20 | -9 | -14 | -18 | -17 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | |
| 620 | 130 | 26 | -21 | -22 | -20 | -20 | -20 | -20 | -20 | -8 | -14 | -18 | -16 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | |
| 621 | 130 | 46 | -23 | -22 | -20 | -20 | -20 | -20 | -20 | -8 | -14 | -17 | -16 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | |
| 622 | 131 | 6 | -27 | -22 | -21 | -20 | -20 | -20 | -20 | -8 | -12 | -18 | -15 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | |
| 623 | 131 | 27 | -26 | -25 | -22 | -22 | -22 | -22 | -22 | -6 | -12 | -17 | -15 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | |
| 624 | 131 | 47 | -28 | -24 | -23 | -23 | -23 | -23 | -23 | -9 | -14 | -17 | -16 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | |
| 625 | 132 | 7 | -27 | -25 | -23 | -23 | -23 | -23 | -23 | -8 | -12 | -16 | -15 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | |
| 626 | 132 | 28 | -27 | -25 | -23 | -23 | -23 | -23 | -23 | -9 | -13 | -16 | -15 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | |
| 627 | 132 | 48 | -27 | -26 | -23 | -23 | -23 | -23 | -23 | -9 | -12 | -15 | -14 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | |
| 628 | 133 | 8 | -27 | -24 | -22 | -22 | -22 | -22 | -22 | -10 | -11 | -18 | -16 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | |
| 629 | 133 | 29 | -28 | -24 | -22 | -22 | -22 | -22 | -22 | -10 | -11 | -18 | -16 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | |
| 630 | 133 | 49 | -28 | -23 | -21 | -21 | -21 | -21 | -21 | -8 | -11 | -18 | -16 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | |
| 631 | 134 | 9 | -29 | -24 | -21 | -21 | -21 | -21 | -21 | -9 | -11 | -18 | -17 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | |
| 632 | 134 | 30 | -30 | -25 | -22 | -22 | -22 | -22 | -22 | -9 | -10 | -18 | -17 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | |
| 633 | 134 | 50 | -30 | -26 | -22 | -22 | -22 | -22 | -22 | -9 | -10 | -17 | -15 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | |
| 634 | 135 | 10 | -30 | -27 | -23 | -23 | -23 | -23 | -23 | -10 | -12 | -17 | -15 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | |
| 635 | 135 | 31 | -30 | -27 | -24 | -24 | -24 | -24 | -24 | -10 | -12 | -17 | -16 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | |
| 636 | 135 | 51 | -29 | -26 | -23 | -23 | -23 | -23 | -23 | -8 | -10 | -16 | -15 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | |
| 637 | 136 | 11 | -32 | -27 | -25 | -24 | -24 | -24 | -24 | -10 | -10 | -17 | -17 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | |
| 638 | 136 | 32 | -30 | -28 | -25 | -25 | -25 | -25 | -25 | -10 | -10 | -17 | -16 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | |
| 639 | 136 | 52 | -31 | -28 | -26 | -26 | -26 | -26 | -26 | -11 | -11 | -17 | -16 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | |
| 640 | 137 | 12 | -32 | -29 | -26 | -26 | -26 | -26 | -26 | -10 | -11 | -18 | -17 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | |
| 641 | 137 | 33 | -35 | -31 | -29 | -29 | -29 | -29 | -29 | -12 | -11 | -18 | -17 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 642 | 137 | 53 | -36 | -32 | -30 | -30 | -30 | -30 | -30 | -12 | -11 | -18 | -18 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | |
| 643 | 138 | 13 | -31 | -33 | -29 | -29 | -29 | -29 | -29 | -11 | -11 | -18 | -18 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 644 | 138 | 34 | -25 | -29 | -28 | -28 | -28 | -28 | -28 | -11 | -12 | -20 | -19 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 645 | 138 | 54 | -22 | -29 | -26 | -26 | -26 | -26 | -26 | -11 | -14 | -21 | -20 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | |
| 646 | 139 | 14 | -20 | -27 | -24 | -24 | -24 | -24 | -24 | -10 | -12 | -20 | -19 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 647 | 139 | 35 | -20 | -25 | -24 | -24 | -24 | -24 | -24 | -11 | -12 | -19 | -18 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 648 | 139 | 55 | -23 | -25 | -25 | -25 | -25 | -25 | -25 | -10 | -12 | -20 | -18 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 649 | 140 | 15 | -26 | -26 | -24 | -24 | -24 | -24 | -24 | -10 | -12 | -19 | -18 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 650 | 140 | 35 | -29 | -27 | -26 | -26 | -26 | -26 | -26 | -11 | -12 | -19 | -18 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | |
| 651 | 140 | 55 | -31 | -26 | -26 | -26 | -26 | -26 | -26 | -10 | -12 | -16 | -16 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 652 | 141 | 15 | -32 | -26 | -26 | -26 | -26 | -26 | -26 | -11 | -12 | -16 | -16 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | |
| 653 | 141 | 35 | -31 | -26 | -25 | -25 | -25 | -25 | -25 | -10 | -11 | -17 | -16 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 654 | 141 | 56 | -32 | -27 | -25 | -24 | -24 | -24 | -24 | -9 | -10 | -17 | -16 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | |
| 655 | 142 | 16 | -32 | -26 | -24 | -24 | -24 | -24 | -24 | -10 | -12 | -16 | -16 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | |
| 656 | 142 | 36 | -31 | -26 | -24 | -24 | -24 | -24 | -24 | -10 | -11 | -16 | -16 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 657 | 142 | 56 | -30 | -23 | -23 | -23 | -23 | -23 | -23 | -10 | -11 | -16 | -16 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 658 | 143 | 16 | -32 | -27 | -24 | -24 | -24 | -24 | -24 | -10 | -11 | -16 | -16 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 659 | 143 | 37 | -32 | -26 | -24 | -24 | -24 | -24 | -24 | -10 | -10 | -16 | -16 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 660 | 143 | 57 | -33 | -27 | -24 | -24 | -24 | -24 | -24 | -10 | -10 | -16 | -16 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 661 | 144 | 17 | -32 | -26 | -24 | -24 | -24 | -24 | -24 | -11 | -11 | -16 | -16 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 662 | 144 | 37 | -31 | -25 | -22 | -22 | -22 | -22 | -22 | -10 | -10 | -16 | -16 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 663 | 144 | 57 | -31 | -24 | -22 | -22 | -22 | -22 | -22 | -10 | -10 | -16 | -16 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | |
| 664 | 145 | 18 | -25 | -23 | -22 | -22 | -22 | -22 | -22 | -10 | -11 | -17 | -17 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | |
| 665 | 145 | 38 | -31 | -25 | -23 | -23 | -23 | -23 | -23 | -11 | -11 | -17 | -17 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | |
| 666 | 145 | 58 | -32 | -26 | -23 | -23 | -23 | -23 | -23 | -11 | -11 | -17 | -16 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | |

| UNIT | TIME | 3-16 | 3-15 | 3-14 | 3-13 | 3-12 | 3-11 | 3-10 | 3-09 | 3-08 | 3-07 | 3-05 | 3-04 | 3-03 | 3-02 | 3-01 | 3-14 |
|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| NO. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. | MIN. |
| | | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP |
| | | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 567 | 145 | 32 | 26 | 25 | 11 | 10 | 16 | 10 | 11 | 25 | 24 | 26 | 25 | 24 | 24 | 24 | 18 |
| 568 | 145 | 33 | 28 | 26 | 11 | 11 | 16 | 11 | 11 | 26 | 26 | 28 | 26 | 26 | 26 | 26 | 19 |
| 569 | 145 | 33 | 28 | 26 | 11 | 11 | 16 | 11 | 11 | 26 | 25 | 28 | 26 | 26 | 26 | 26 | 19 |
| 570 | 147 | 33 | 29 | 27 | 11 | 10 | 16 | 11 | 11 | 27 | 27 | 29 | 27 | 27 | 27 | 27 | 19 |
| 571 | 147 | 34 | 29 | 28 | 12 | 11 | 16 | 11 | 12 | 28 | 28 | 30 | 28 | 28 | 28 | 28 | 19 |
| 572 | 147 | 34 | 30 | 28 | 11 | 10 | 16 | 11 | 11 | 28 | 28 | 30 | 28 | 28 | 28 | 28 | 19 |
| 573 | 148 | 34 | 30 | 28 | 11 | 10 | 16 | 11 | 11 | 28 | 28 | 30 | 28 | 28 | 28 | 28 | 20 |
| 574 | 149 | 34 | 30 | 27 | 12 | 11 | 16 | 11 | 12 | 29 | 29 | 31 | 29 | 29 | 29 | 29 | 20 |
| 575 | 149 | 33 | 29 | 27 | 11 | 10 | 16 | 11 | 11 | 27 | 27 | 29 | 27 | 27 | 27 | 27 | 19 |
| 576 | 149 | 33 | 29 | 27 | 11 | 10 | 16 | 11 | 11 | 27 | 27 | 29 | 27 | 27 | 27 | 27 | 19 |
| 577 | 149 | 32 | 27 | 25 | 11 | 10 | 16 | 11 | 11 | 27 | 27 | 29 | 27 | 27 | 27 | 27 | 18 |
| 578 | 150 | 31 | 26 | 23 | 11 | 10 | 16 | 11 | 11 | 23 | 23 | 25 | 23 | 23 | 23 | 23 | 18 |
| 579 | 150 | 31 | 25 | 22 | 11 | 10 | 16 | 11 | 11 | 22 | 22 | 24 | 22 | 22 | 22 | 22 | 18 |
| 580 | 150 | 30 | 24 | 22 | 11 | 10 | 16 | 11 | 11 | 22 | 22 | 24 | 22 | 22 | 22 | 22 | 18 |
| 581 | 151 | 30 | 23 | 22 | 11 | 10 | 16 | 11 | 11 | 22 | 22 | 24 | 22 | 22 | 22 | 22 | 18 |
| 582 | 151 | 30 | 23 | 21 | 12 | 11 | 16 | 11 | 12 | 21 | 21 | 23 | 21 | 21 | 21 | 21 | 18 |
| 583 | 151 | 29 | 22 | 21 | 11 | 10 | 16 | 11 | 11 | 21 | 21 | 23 | 21 | 21 | 21 | 21 | 17 |
| 584 | 152 | 28 | 22 | 21 | 12 | 11 | 16 | 11 | 12 | 21 | 21 | 23 | 21 | 21 | 21 | 21 | 17 |
| 585 | 152 | 29 | 22 | 22 | 11 | 10 | 16 | 11 | 11 | 22 | 22 | 24 | 22 | 22 | 22 | 22 | 17 |
| 586 | 152 | 28 | 21 | 21 | 11 | 10 | 16 | 11 | 11 | 21 | 21 | 23 | 21 | 21 | 21 | 21 | 16 |
| 587 | 153 | 27 | 20 | 21 | 10 | 10 | 16 | 11 | 10 | 21 | 21 | 23 | 21 | 21 | 21 | 21 | 16 |
| 588 | 153 | 27 | 21 | 20 | 11 | 11 | 16 | 11 | 11 | 20 | 20 | 22 | 20 | 20 | 20 | 20 | 16 |
| 589 | 153 | 26 | 20 | 20 | 11 | 11 | 16 | 11 | 11 | 20 | 20 | 22 | 20 | 20 | 20 | 20 | 16 |
| 590 | 154 | 26 | 20 | 20 | 11 | 11 | 16 | 11 | 11 | 20 | 20 | 22 | 20 | 20 | 20 | 20 | 16 |
| 591 | 154 | 26 | 20 | 20 | 11 | 10 | 16 | 11 | 11 | 20 | 20 | 22 | 20 | 20 | 20 | 20 | 16 |
| 592 | 154 | 25 | 20 | 21 | 10 | 10 | 16 | 11 | 10 | 21 | 21 | 23 | 21 | 21 | 21 | 21 | 16 |
| 593 | 155 | 24 | 20 | 20 | 10 | 10 | 16 | 11 | 10 | 20 | 20 | 22 | 20 | 20 | 20 | 20 | 16 |
| 594 | 155 | 24 | 20 | 21 | 11 | 11 | 16 | 11 | 11 | 21 | 21 | 23 | 21 | 21 | 21 | 21 | 16 |
| 595 | 155 | 24 | 20 | 21 | 12 | 11 | 16 | 11 | 12 | 21 | 21 | 23 | 21 | 21 | 21 | 21 | 16 |
| 596 | 156 | 24 | 20 | 20 | 11 | 11 | 16 | 11 | 11 | 20 | 20 | 22 | 20 | 20 | 20 | 20 | 16 |
| 597 | 156 | 24 | 20 | 20 | 12 | 11 | 16 | 11 | 12 | 20 | 20 | 22 | 20 | 20 | 20 | 20 | 16 |
| 598 | 156 | 25 | 21 | 22 | 12 | 11 | 16 | 11 | 12 | 21 | 21 | 23 | 21 | 21 | 21 | 21 | 16 |
| 599 | 157 | 24 | 22 | 22 | 12 | 13 | 16 | 11 | 12 | 22 | 22 | 24 | 22 | 22 | 22 | 22 | 16 |
| 600 | 157 | 24 | 22 | 22 | 13 | 12 | 16 | 11 | 13 | 22 | 22 | 24 | 22 | 22 | 22 | 22 | 16 |
| 601 | 157 | 25 | 21 | 23 | 13 | 12 | 16 | 11 | 13 | 23 | 23 | 25 | 23 | 23 | 23 | 23 | 16 |
| 602 | 158 | 25 | 22 | 23 | 13 | 13 | 16 | 11 | 13 | 23 | 23 | 25 | 23 | 23 | 23 | 23 | 16 |
| 603 | 158 | 25 | 22 | 22 | 14 | 13 | 16 | 11 | 14 | 22 | 22 | 24 | 22 | 22 | 22 | 22 | 16 |
| 604 | 158 | 25 | 22 | 23 | 14 | 13 | 16 | 11 | 14 | 23 | 23 | 25 | 23 | 23 | 23 | 23 | 16 |

MH-53C S/N 66-10354
 ARCTIC TEST
 15 JANUARY 1971
 RUN NO. 3

-40 DEG C / -40 DEG F

| 3-02 | 3-03 | 3-15 | 3-16 | 3-17 | 3-18 | 3-19 | 3-20 | 3-21 | 3-22 | 3-23 | 3-24 |
|------|------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| TIME | TIME | PILOTS | PILOTS | CO-PLT | CO-PLT | CO-PLT | CO-PLT | CARGO | CARGO | CARGO | CARGO |
| MIN. | SEC. | FOOT | FOOT | HEAD | HAIST | FOOT | FOOT | AREA | AREA | AREA | AREA |
| | | LEVEL | LEVEL | LEVEL | LEVEL | LEVEL | LEVEL | HAIST | HAIST | HAIST | HAIST |
| | | AIR | AIR | AIR | AIR | AIR | AIR | LEVEL | LEVEL | LEVEL | LEVEL |
| | | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | LEVEL | LEVEL | LEVEL | LEVEL |
| | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 272 | 11 | 32 | -26 | -3 | -12 | -20 | -26 | -2 | -7 | -32 | -32 |
| 273 | 11 | 52 | -27 | -2 | -11 | -20 | -26 | -2 | -8 | -31 | -32 |
| 274 | 12 | 11 | -27 | -2 | -11 | -20 | -26 | -3 | -8 | -32 | -32 |
| 275 | 12 | 31 | -26 | -2 | -11 | -20 | -27 | -2 | -9 | -32 | -32 |
| 276 | 12 | 50 | -21 | -2 | -18 | -20 | -26 | -2 | -8 | -32 | -32 |
| 277 | 13 | 9 | -21 | -2 | -10 | -19 | -26 | -2 | -8 | -32 | -32 |
| 278 | 13 | 29 | -21 | -2 | -10 | -20 | -26 | -2 | -7 | -32 | -32 |
| 279 | 13 | 48 | -20 | -2 | -10 | -19 | -26 | -1 | -8 | -32 | -32 |
| 280 | 14 | 8 | -21 | -1 | -10 | -20 | -26 | -0 | -9 | -32 | -32 |
| 281 | 14 | 14 | -21 | -1 | -10 | -20 | -26 | -0 | -9 | -32 | -32 |
| 282 | 14 | 27 | -20 | -1 | -10 | -19 | -26 | -0 | -9 | -32 | -32 |
| 283 | 15 | 47 | -21 | -1 | -10 | -20 | -26 | -0 | -8 | -32 | -32 |
| 284 | 15 | 6 | -21 | -1 | -10 | -20 | -26 | -1 | -8 | -32 | -32 |
| 285 | 15 | 26 | -20 | -1 | -10 | -19 | -26 | -1 | -8 | -32 | -32 |
| 286 | 15 | 45 | -20 | -2 | -10 | -19 | -26 | -1 | -8 | -32 | -32 |
| 287 | 16 | 5 | -20 | -0 | -10 | -20 | -26 | -1 | -8 | -32 | -32 |
| 288 | 16 | 24 | -20 | -1 | -10 | -19 | -26 | -0 | -8 | -32 | -32 |
| 289 | 16 | 43 | -20 | -1 | -9 | -19 | -26 | -0 | -8 | -31 | -31 |
| 290 | 17 | 3 | -21 | -0 | -9 | -19 | -26 | 0 | -8 | -32 | -32 |
| 291 | 17 | 22 | -20 | 0 | -9 | -19 | -26 | 0 | -8 | -32 | -32 |
| 292 | 17 | 42 | -20 | 1 | -9 | -18 | -26 | 2 | -8 | -31 | -31 |
| 293 | 18 | 1 | -19 | 0 | -10 | -18 | -25 | 0 | -8 | -30 | -30 |
| 294 | 18 | 20 | -19 | 0 | -9 | -18 | -24 | 0 | -8 | -30 | -30 |
| 295 | 18 | 40 | -19 | 0 | -10 | -18 | -24 | 0 | -10 | -29 | -29 |
| 296 | 18 | 59 | -18 | -0 | -10 | -18 | -24 | -1 | -12 | -29 | -29 |
| 297 | 19 | 19 | -18 | -2 | -10 | -18 | -24 | -2 | -13 | -28 | -28 |
| 298 | 19 | 38 | -19 | -2 | -10 | -18 | -23 | -4 | -14 | -28 | -28 |
| 299 | 19 | 57 | -18 | -3 | -11 | -19 | -24 | -4 | -14 | -28 | -28 |
| 300 | 20 | 17 | -18 | -4 | -11 | -19 | -23 | -4 | -14 | -28 | -28 |
| 301 | 20 | 36 | -18 | -3 | -11 | -18 | -23 | -4 | -15 | -28 | -28 |
| 302 | 20 | 55 | -18 | -4 | -12 | -18 | -22 | -5 | -15 | -28 | -28 |
| 303 | 21 | 15 | -18 | -3 | -12 | -19 | -22 | -5 | -15 | -28 | -28 |
| 304 | 21 | 34 | -18 | -4 | -12 | -20 | -22 | -5 | -16 | -28 | -28 |
| 305 | 21 | 54 | -18 | -5 | -12 | -20 | -22 | -6 | -16 | -28 | -28 |
| 306 | 22 | 13 | -18 | -4 | -12 | -19 | -22 | -6 | -16 | -28 | -28 |
| 307 | 22 | 33 | -18 | -5 | -13 | -19 | -22 | -6 | -16 | -28 | -28 |
| 308 | 23 | 11 | -18 | -5 | -13 | -19 | -22 | -7 | -17 | -28 | -28 |
| 309 | 23 | 31 | -18 | -5 | -13 | -20 | -22 | -7 | -17 | -28 | -28 |
| 310 | 23 | 50 | -19 | -5 | -14 | -20 | -22 | -7 | -17 | -28 | -28 |
| 311 | 24 | 10 | -18 | -6 | -14 | -20 | -22 | -8 | -18 | -28 | -28 |
| 312 | 24 | 29 | -19 | -6 | -14 | -20 | -22 | -7 | -18 | -28 | -28 |
| 313 | 24 | 49 | -18 | -7 | -15 | -20 | -22 | -7 | -18 | -28 | -28 |
| 314 | 25 | 8 | -18 | -6 | -15 | -20 | -22 | -8 | -18 | -28 | -28 |
| 315 | 25 | 28 | -18 | -6 | -15 | -20 | -22 | -8 | -17 | -28 | -28 |
| 316 | 25 | 47 | -18 | -7 | -15 | -20 | -22 | -8 | -16 | -28 | -28 |

| -01 SHEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C | 3-16 PILOTS FLOOR MASS TEMP DEG.C | 3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C | 3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C | 3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C | 3-20 CO-PLT FLOOR MASS TEMP DEG.C | 3-21 CARGO AREA HEAD LEVEL DEG.C | 3-22 CARGO AREA WAIST LEVEL DEG.C | 3-23 CARGO AREA FOOT LEVEL DEG.C | 3-24 CARGO AREA FWD FLOOR MASS DEG.C |
|-----------------------|----------------------|----------------------|---|--|---|--|---|--|---|--|---|--|
| 367 | 42 | 37 | -5 | -21 | -1 | 6 | 9 | -16 | 28 | 22 | -20 | -26 |
| 360 | 42 | 57 | -4 | -24 | 0 | 9 | 11 | -14 | 27 | 28 | -22 | -28 |
| 369 | 43 | 18 | -3 | -23 | 0 | 10 | 12 | -13 | 32 | 30 | -23 | -28 |
| 370 | 43 | 38 | -4 | -18 | 1 | 11 | 14 | -11 | 36 | 34 | -24 | -28 |
| 371 | 43 | 58 | -1 | -19 | 5 | 12 | 16 | -10 | 38 | 36 | -23 | -28 |
| 372 | 44 | 18 | 0 | -15 | 5 | 13 | 18 | -9 | 43 | 24 | -24 | -28 |
| 373 | 44 | 38 | 0 | -14 | 3 | 14 | 17 | -7 | 45 | 36 | -26 | -28 |
| 374 | 44 | 58 | 1 | -13 | 3 | 14 | 19 | -6 | 41 | 31 | -27 | -29 |
| 375 | 45 | 18 | 1 | -11 | 5 | 15 | 21 | -5 | 48 | 31 | -27 | -28 |
| 376 | 45 | 38 | 4 | -10 | 7 | 16 | 22 | -4 | 45 | 31 | -28 | -29 |
| 377 | 45 | 58 | 4 | -9 | 9 | 16 | 24 | -4 | 45 | 31 | -27 | -28 |
| 378 | 46 | 18 | 5 | -7 | 9 | 18 | 23 | -2 | 44 | 49 | -27 | -28 |
| 379 | 46 | 38 | 5 | -9 | 9 | 18 | 23 | 0 | 42 | 36 | -28 | -28 |
| 380 | 46 | 58 | 8 | -4 | 9 | 20 | 25 | 1 | 48 | 49 | -28 | -28 |
| 381 | 47 | 18 | 8 | -4 | 9 | 22 | 25 | 3 | 44 | 27 | -28 | -28 |
| 382 | 47 | 38 | 8 | -2 | 10 | 22 | 25 | 3 | 48 | 31 | -27 | -27 |
| 383 | 47 | 58 | 9 | -2 | 11 | 20 | 27 | 2 | 49 | 36 | -26 | -27 |
| 384 | 48 | 18 | 8 | -3 | 13 | 22 | 26 | 4 | 48 | 36 | -27 | -27 |
| 385 | 48 | 38 | 9 | -3 | 14 | 22 | 27 | 4 | 45 | 36 | -27 | -27 |
| 386 | 48 | 58 | 1 | -1 | 14 | 22 | 27 | 6 | 48 | 28 | -28 | -27 |
| 387 | 49 | 19 | 12 | -2 | 14 | 25 | 29 | 6 | 44 | 36 | -27 | -27 |
| 388 | 49 | 39 | 12 | 2 | 15 | 26 | 31 | 8 | 50 | 31 | -28 | -27 |
| 389 | 49 | 59 | 14 | 2 | 15 | 26 | 32 | 9 | 49 | 48 | -28 | -28 |
| 390 | 50 | 19 | 13 | 0 | 16 | 26 | 30 | 10 | 54 | 40 | -31 | -28 |
| 391 | 50 | 39 | 12 | 4 | 17 | 28 | 32 | 11 | 56 | 51 | -32 | -29 |
| 392 | 50 | 59 | 11 | 1 | 20 | 27 | 29 | 11 | 53 | 28 | -34 | -28 |
| 393 | 51 | 19 | 8 | 0 | 22 | 23 | 24 | 10 | 42 | 16 | -34 | -28 |
| 394 | 51 | 39 | 13 | 0 | 19 | 25 | 28 | 11 | 44 | 13 | -32 | -29 |
| 395 | 51 | 59 | 14 | 3 | 17 | 28 | 29 | 13 | 51 | 38 | -33 | -28 |
| 396 | 52 | 20 | 16 | 1 | 19 | 29 | 33 | 13 | 52 | 35 | -32 | -29 |
| 397 | 52 | 40 | 16 | 5 | 21 | 29 | 33 | 14 | 53 | 51 | -30 | -28 |
| 398 | 53 | 0 | 16 | 4 | 23 | 31 | 34 | 15 | 51 | 44 | -30 | -28 |
| 399 | 53 | 20 | 17 | 7 | 23 | 31 | 36 | 15 | 51 | 44 | -30 | -28 |
| 400 | 53 | 40 | 18 | 4 | 25 | 32 | 37 | 15 | 52 | 45 | -31 | -28 |
| 401 | 54 | 0 | 19 | 3 | 27 | 33 | 38 | 16 | 48 | 45 | -31 | -28 |
| 402 | 54 | 21 | 19 | 7 | 27 | 33 | 38 | 16 | 54 | 38 | -32 | -29 |
| 403 | 54 | 41 | 19 | 4 | 28 | 32 | 37 | 16 | 54 | 31 | -30 | -28 |
| 404 | 55 | 1 | 18 | 7 | 27 | 33 | 35 | 18 | 55 | 45 | -29 | -28 |
| 405 | 55 | 21 | 19 | 5 | 26 | 32 | 36 | 18 | 55 | 46 | -28 | -27 |
| 406 | 55 | 41 | 20 | 9 | 25 | 31 | 38 | 18 | 56 | 45 | -30 | -28 |
| 407 | 56 | 1 | 21 | 8 | 27 | 35 | 37 | 18 | 53 | 45 | -29 | -28 |
| 408 | 56 | 21 | 22 | 10 | 27 | 33 | 38 | 21 | 59 | 31 | -28 | -28 |
| 409 | 56 | 41 | 21 | 7 | 27 | 33 | 37 | 20 | 59 | 51 | -30 | -27 |
| 410 | 57 | 1 | 24 | 9 | 27 | 35 | 38 | 21 | 58 | 46 | -28 | -27 |
| 411 | 57 | 22 | 22 | 11 | 27 | 34 | 38 | 22 | 56 | 51 | -30 | -27 |
| 412 | 57 | 42 | 23 | 9 | 27 | 34 | 38 | 23 | 59 | 51 | -27 | -27 |
| 413 | 58 | 2 | 22 | 11 | 28 | 37 | 39 | 24 | 59 | 53 | -24 | -27 |
| 414 | 58 | 22 | 25 | 8 | 29 | 37 | 39 | 24 | 56 | 51 | -24 | -27 |
| 415 | 58 | 42 | 26 | 11 | 30 | 38 | 42 | 26 | 58 | 53 | -19 | -26 |
| 416 | 59 | 2 | 26 | 11 | 30 | 38 | 43 | 25 | 59 | 55 | -16 | -24 |

| 3-01 SHEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C | 3-16 PILOTS FLOOR MASS AIR TEMP DEG.C | 3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C | 3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C | 3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C | 3-20 CO-PLT FLOOR MASS TEMP DEG.C | 3-21 CARGO AREA FWD HEAD LEVEL DEG.C | 3-22 CARGO AREA FWD WAIST LEVEL DEG.C | 3-23 CARGO AREA FWD FOOT LEVEL DEG.C | 3-24 CARGO AREA FWD FLOOR MASS DEG.C |
|------------------------|----------------------|----------------------|---|---|---|--|---|--|--|---|--|--|
| 417 | 59 | 22 | 26 | 9 | 30 | 36 | 41 | 27 | * | 41 | -13 | -25 |
| 418 | 59 | 42 | 25 | 14 | 30 | 36 | 42 | 27 | 59 | 38 | -15 | -24 |
| 419 | 60 | 4 | 29 | 11 | 30 | 36 | 43 | 27 | 58 | 38 | -15 | -24 |
| 420 | 60 | 22 | 28 | 14 | 29 | 36 | 44 | 27 | 57 | 40 | -12 | -24 |
| 421 | 60 | 42 | 30 | 16 | 32 | 39 | 43 | 29 | 54 | 29 | -13 | -24 |
| 422 | 61 | 3 | 31 | 15 | 31 | 39 | 42 | 29 | 53 | 22 | -16 | -23 |
| 423 | 61 | 43 | 32 | 17 | 30 | 39 | 41 | 30 | 52 | 22 | -16 | -23 |
| 424 | 61 | 43 | 31 | 19 | 30 | 38 | 41 | 30 | 51 | 21 | -17 | -23 |
| 425 | 62 | 3 | 32 | 18 | 29 | 38 | 41 | 30 | 51 | 17 | -17 | -22 |
| 426 | 62 | 23 | 31 | 19 | 30 | 38 | 42 | 30 | 51 | 17 | -17 | -22 |
| 427 | 62 | 43 | 32 | 20 | 30 | 40 | 42 | 30 | 54 | 22 | -18 | -22 |
| 428 | 63 | 3 | 33 | 20 | 30 | 40 | 42 | 31 | 54 | 21 | -18 | -21 |
| 429 | 63 | 23 | 33 | 20 | 30 | 40 | 42 | 31 | 54 | 21 | -18 | -21 |
| 430 | 63 | 43 | 34 | 20 | 29 | 40 | 43 | 30 | 53 | 23 | -16 | -21 |
| 431 | 64 | 3 | 33 | 19 | 28 | 38 | 41 | 31 | 53 | 19 | -19 | -22 |
| 432 | 64 | 23 | 31 | 20 | 28 | 38 | 41 | 31 | 54 | 21 | -18 | -22 |
| 433 | 64 | 43 | 35 | 22 | 31 | 40 | 43 | 31 | 55 | 31 | -18 | -22 |
| 434 | 65 | 4 | 34 | 22 | 31 | 40 | 43 | 32 | 56 | 34 | -17 | -22 |
| 435 | 65 | 24 | 34 | 22 | 32 | 41 | 44 | 32 | 57 | 36 | -16 | -21 |
| 436 | 65 | 44 | 35 | 22 | 31 | 39 | 44 | 32 | 58 | 35 | -16 | -21 |
| 437 | 66 | 4 | 33 | 22 | 33 | 40 | 45 | 32 | 57 | 35 | -16 | -20 |
| 438 | 66 | 24 | 34 | 23 | 33 | 39 | 43 | 32 | 57 | 38 | -15 | -21 |
| 439 | 66 | 44 | 35 | 24 | 32 | 40 | 43 | 33 | 56 | 35 | -16 | -20 |
| 440 | 67 | 4 | 34 | 23 | 31 | 40 | 43 | 33 | 55 | 33 | -15 | -20 |
| 441 | 67 | 24 | 34 | 24 | 31 | 40 | 44 | 33 | 54 | 33 | -14 | -20 |
| 442 | 67 | 44 | 35 | 24 | 32 | 40 | 44 | 33 | 55 | 31 | -14 | -20 |
| 443 | 68 | 4 | 35 | 24 | 32 | 40 | 44 | 33 | 53 | 32 | -14 | -20 |
| 444 | 68 | 24 | 37 | 24 | 32 | 41 | 44 | 34 | 52 | 32 | -13 | -19 |
| 445 | 68 | 44 | 36 | 25 | 33 | 41 | 45 | 34 | 52 | 32 | -13 | -19 |
| 446 | 69 | 4 | 37 | 27 | 33 | 41 | 45 | 35 | 51 | 22 | -14 | -19 |
| 447 | 69 | 24 | 38 | 27 | 32 | 40 | 44 | 36 | 49 | 17 | -15 | -19 |
| 448 | 69 | 44 | 37 | 27 | 31 | 40 | 44 | 36 | 52 | 22 | -14 | -19 |
| 449 | 70 | 4 | 36 | 27 | 33 | 41 | 44 | 36 | 52 | 27 | -15 | -19 |
| 450 | 70 | 24 | 37 | 27 | 33 | 42 | 45 | 37 | 54 | 32 | -14 | -19 |
| 451 | 70 | 44 | 38 | 28 | 32 | 41 | 45 | 37 | 53 | 34 | -12 | -18 |
| 452 | 71 | 5 | 37 | 29 | 32 | 42 | 45 | 38 | 54 | 34 | -11 | -18 |
| 453 | 71 | 25 | 37 | 29 | 33 | 42 | 45 | 37 | 56 | 35 | -10 | -18 |
| 454 | 71 | 45 | 38 | 31 | 32 | 41 | 45 | 38 | 55 | 36 | -6 | -17 |
| 455 | 72 | 5 | 36 | 29 | 33 | 42 | 46 | 38 | 53 | 37 | -4 | -16 |
| 456 | 72 | 25 | 36 | 29 | 33 | 42 | 46 | 37 | 52 | 32 | -4 | -16 |
| 457 | 72 | 45 | 33 | 29 | 31 | 42 | 42 | 37 | 52 | 32 | -3 | -15 |
| 458 | 73 | 5 | 33 | 29 | 28 | 41 | 35 | 37 | 48 | 25 | -2 | -15 |
| 459 | 73 | 25 | 29 | 29 | 28 | 40 | 35 | 39 | 28 | 19 | -3 | -15 |
| 460 | 73 | 46 | 32 | 29 | 27 | 41 | 35 | 36 | 56 | 19 | -5 | -15 |
| 461 | 74 | 6 | 33 | 28 | 26 | 40 | 35 | 36 | 45 | 24 | -6 | -15 |
| 462 | 74 | 26 | 32 | 29 | 29 | 40 | 35 | 38 | 45 | 28 | -5 | -15 |
| 463 | 74 | 46 | 37 | 29 | 32 | 40 | 41 | 38 | 49 | 30 | -2 | -15 |
| 464 | 75 | 6 | 36 | 30 | 31 | 42 | 42 | 39 | 48 | 30 | -1 | -14 |
| 465 | 75 | 26 | 34 | 29 | 29 | 41 | 38 | 38 | 36 | 26 | -0 | -13 |
| 466 | 75 | 47 | 31 | 27 | 27 | 38 | 32 | 34 | 27 | 19 | -1 | -12 |

| -01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-15 PILOTS FOOT LEVEL AIR TEMP DEG.C | 3-16 PILOTS FLOOR MASS AIR TEMP DEG.C | 3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C | 3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C | 3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C | 3-20 CO-PLT FLOOR MASS TEMP DEG.C | 3-21 CARGO AREA FWD HEAD LEVEL DEG.C | 3-22 CARGO AREA FWD MAIST LEVEL DEG.C | 3-23 CARGO AREA FWD FOOT LEVEL DEG.C | 3-24 CARGO AREA FWD FLOOR MASS LEVEL DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|--|---|--|--|---|--|---|
| 467 | 76 | 7 | 32 | 28 | 32 | 33 | 35 | 34 | 39 | 23 | 0 | -12 |
| 468 | 76 | 27 | 35 | 29 | 29 | 35 | 36 | 33 | 39 | 29 | 1 | -12 |
| 469 | 76 | 47 | 33 | 28 | 31 | 31 | 34 | 33 | 29 | 22 | 1 | -12 |
| 470 | 77 | 7 | 30 | 27 | 30 | 28 | 30 | 31 | 29 | 18 | 0 | -12 |
| 471 | 77 | 27 | 32 | 25 | 27 | 29 | 32 | 32 | 34 | 21 | 0 | -12 |
| 472 | 77 | 48 | 31 | 27 | 27 | 31 | 34 | 31 | 38 | 34 | 0 | -12 |
| 473 | 78 | 8 | 26 | 22 | 25 | 31 | 33 | 30 | 39 | 31 | -2 | -13 |
| 474 | 78 | 28 | 29 | 26 | 27 | 28 | 32 | 27 | 37 | 27 | -3 | -13 |
| 475 | 78 | 48 | 26 | 24 | 26 | 27 | 30 | 29 | 36 | 23 | -5 | -14 |
| 476 | 79 | 0 | 26 | 24 | 27 | 25 | 29 | 28 | 34 | 20 | -6 | -14 |
| 477 | 79 | 29 | 26 | 24 | 27 | 23 | 27 | 28 | 31 | 17 | -7 | -14 |
| 478 | 79 | 49 | 23 | 23 | 21 | 22 | 25 | 25 | 28 | 16 | -7 | -14 |
| 479 | 80 | 9 | 24 | 22 | 20 | 20 | 23 | 25 | 25 | 15 | -8 | -14 |
| 480 | 80 | 29 | 22 | 21 | 19 | 16 | 22 | 24 | 24 | 12 | -8 | -14 |
| 481 | 80 | 50 | 24 | 20 | 18 | 16 | 22 | 25 | 23 | 11 | -8 | -14 |
| 482 | 81 | 10 | 22 | 20 | 17 | 16 | 20 | 22 | 23 | 10 | -8 | -14 |
| 483 | 81 | 30 | 24 | 19 | 18 | 17 | 20 | 22 | 22 | 9 | -9 | -14 |
| 484 | 81 | 51 | 23 | 19 | 19 | 16 | 19 | 24 | 22 | 8 | -9 | -14 |
| 485 | 82 | 11 | 20 | 18 | 17 | 15 | 18 | 21 | 25 | 9 | -8 | -15 |
| 486 | 82 | 31 | 20 | 17 | 17 | 14 | 17 | 20 | 26 | 11 | -8 | -15 |
| 487 | 82 | 52 | 19 | 17 | 17 | 14 | 17 | 21 | 20 | 13 | -8 | -14 |
| 488 | 83 | 12 | 20 | 17 | 17 | 16 | 16 | 20 | 15 | 14 | -8 | -14 |
| 489 | 83 | 32 | 19 | 15 | 17 | 16 | 16 | 20 | 11 | 11 | -8 | -14 |
| 490 | 83 | 52 | 20 | 15 | 14 | 14 | 15 | 19 | 11 | 10 | -9 | -15 |
| 491 | 84 | 13 | 18 | 15 | 14 | 14 | 14 | 18 | 11 | 8 | -8 | -15 |
| 492 | 84 | 33 | 17 | 13 | 12 | 12 | 13 | 17 | 6 | 6 | -9 | -15 |
| 493 | 84 | 53 | 17 | 13 | 12 | 12 | 13 | 17 | 6 | 6 | -9 | -15 |
| 494 | 85 | 13 | 16 | 12 | 12 | 11 | 12 | 16 | 6 | 6 | -9 | -15 |
| 495 | 85 | 33 | 15 | 12 | 11 | 10 | 12 | 15 | 5 | 5 | -9 | -15 |
| 496 | 85 | 54 | 16 | 11 | 11 | 9 | 11 | 16 | 2 | 2 | -9 | -15 |
| 497 | 86 | 14 | 15 | 11 | 11 | 8 | 9 | 14 | 3 | 3 | -10 | -14 |
| 498 | 86 | 34 | 15 | 11 | 11 | 8 | 9 | 14 | 1 | 1 | -10 | -14 |
| 499 | 86 | 55 | 15 | 9 | 10 | 7 | 8 | 12 | 0 | 0 | -10 | -14 |
| 500 | 87 | 15 | 14 | 8 | 9 | 7 | 8 | 10 | 0 | 0 | -11 | -14 |
| 501 | 87 | 35 | 13 | 8 | 9 | 6 | 6 | 10 | 0 | 0 | -11 | -14 |
| 502 | 87 | 56 | 12 | 8 | 8 | 6 | 6 | 9 | -0 | -1 | -12 | -14 |
| 503 | 88 | 16 | 11 | 6 | 8 | 5 | 5 | 8 | -2 | -2 | -12 | -14 |
| 504 | 88 | 36 | 11 | 5 | 8 | 5 | 5 | 7 | -2 | -2 | -12 | -14 |
| 505 | 88 | 56 | 11 | 5 | 8 | 3 | 4 | 6 | -2 | -3 | -12 | -14 |
| 506 | 89 | 17 | 10 | 5 | 8 | 3 | 4 | 6 | -2 | -3 | -12 | -14 |
| 507 | 89 | 37 | 10 | 4 | 8 | 3 | 4 | 4 | -2 | -4 | -12 | -14 |
| 508 | 89 | 57 | 9 | 3 | 6 | 4 | 4 | 4 | -4 | -4 | -12 | -14 |
| 509 | 90 | 18 | 10 | 3 | 7 | 4 | 4 | 4 | -4 | -4 | -12 | -14 |
| 510 | 90 | 38 | 8 | 2 | 6 | 3 | 3 | 3 | -5 | -5 | -13 | -14 |
| 511 | 90 | 58 | 9 | 1 | 6 | 2 | 2 | 2 | -6 | -6 | -13 | -14 |
| 512 | 91 | 19 | 7 | 1 | 6 | 2 | 2 | 1 | -6 | -6 | -14 | -14 |
| 513 | 91 | 39 | 6 | 1 | 7 | 2 | 1 | 2 | -7 | -7 | -14 | -14 |
| 514 | 92 | 0 | 6 | 0 | 5 | 1 | 1 | 0 | -5 | -5 | -14 | -14 |
| 515 | 92 | 20 | 5 | 0 | 6 | 1 | 0 | 0 | -4 | -4 | -14 | -14 |
| 516 | 92 | 41 | 5 | 0 | 6 | 1 | 0 | -0 | -4 | -6 | -14 | -14 |

| 3-01 | 3-02 | 3-03 | 3-15 | 3-16 | 3-17 | 3-18 | 3-19 | 3-20 | 3-21 | 3-22 | 3-23 | 3-24 |
|-------|------|------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| SWEEP | TIME | TIME | PILOTS | PILOTS | CO-PLT | CO-PLT | CO-PLT | CO-PLT | CARGO | CARGO | CARGO | CARGO |
| COUNT | MIN. | SEC. | FOOT | FLOOR | HEAD | WAIST | FOOT | FLOOR | AREA | AREA | AREA | AREA |
| | | | LEVEL | MASS | LEVEL | LEVEL | LEVEL | MASS | FWD | FWD | FWD | FWD |
| | | | AIR | AIR | AIR | AIR | AIR | TEMP | HEAD | WAIST | FOOT | FLOOR |
| | | | TEMP | TEMP | TEMP | TEMP | TEMP | DEG.C | LEVEL | LEVEL | LEVEL | MASS |
| | | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 567 | 112 | 7 | -10 | -16 | -6 | -11 | -12 | -18 | -16 | -18 | -23 | -24 |
| 568 | 112 | 27 | -11 | -17 | -6 | -10 | -11 | -19 | -15 | -18 | -23 | -25 |
| 569 | 112 | 48 | -10 | -14 | -6 | -10 | -11 | -17 | -16 | -18 | -23 | -25 |
| 570 | 113 | 8 | -11 | -15 | -6 | -11 | -12 | -19 | -16 | -19 | -24 | -24 |
| 571 | 113 | 29 | -10 | -15 | -6 | -12 | -12 | -19 | -16 | -20 | -23 | -24 |
| 572 | 113 | 49 | -11 | -16 | -7 | -11 | -12 | -18 | -18 | -20 | -23 | -23 |
| 573 | 114 | 9 | -12 | -16 | -6 | -12 | -13 | -20 | -17 | -20 | -23 | -25 |
| 574 | 114 | 30 | -12 | -18 | -6 | -12 | -13 | -20 | -18 | -20 | -24 | -24 |
| 575 | 114 | 50 | -12 | -16 | -6 | -14 | -13 | -19 | -18 | -21 | -24 | -24 |
| 576 | 115 | 10 | -11 | -15 | -6 | -13 | -13 | -20 | -18 | -20 | -23 | -26 |
| 577 | 115 | 31 | -12 | -15 | -4 | -14 | -13 | -21 | -18 | -21 | -23 | -24 |
| 578 | 115 | 51 | -13 | -16 | -2 | -12 | -12 | -28 | -17 | -21 | -25 | -25 |
| 579 | 116 | 11 | -13 | -19 | -6 | -14 | -13 | -21 | -18 | -21 | -26 | -26 |
| | 116 | 32 | -12 | -16 | -7 | -13 | -13 | -21 | -16 | -20 | -25 | -26 |
| 0 | 116 | 52 | -12 | -16 | -8 | -14 | -14 | -20 | -16 | -20 | -24 | -25 |
| 580 | 117 | 12 | -13 | -18 | -7 | -14 | -14 | -20 | -16 | -20 | -25 | -25 |
| 583 | 117 | 33 | -12 | -18 | -7 | -13 | -13 | -21 | -17 | -20 | -25 | -25 |
| 584 | 117 | 53 | -14 | -18 | -8 | -16 | -14 | -20 | -15 | -19 | -25 | -25 |
| 585 | 118 | 14 | -14 | -18 | -8 | -14 | -13 | -21 | -16 | -20 | -25 | -26 |
| 586 | 118 | 34 | -14 | -18 | -8 | -15 | -15 | -21 | -17 | -19 | -24 | -24 |
| 587 | 118 | 54 | -14 | -18 | -7 | -15 | -13 | -21 | -16 | -19 | -24 | -26 |
| 588 | 119 | 15 | -13 | -16 | -7 | -14 | -14 | -20 | -19 | -19 | -24 | -25 |
| 589 | 119 | 35 | -14 | -18 | -8 | -15 | -14 | -22 | -20 | -20 | -25 | -25 |
| 590 | 119 | 56 | -14 | -17 | -7 | -14 | -14 | -20 | -20 | -20 | -25 | -25 |
| 591 | 120 | 16 | -14 | -19 | -8 | -16 | -14 | -20 | -20 | -19 | -25 | -26 |
| 592 | 120 | 36 | -14 | -18 | -8 | -16 | -14 | -21 | -20 | -20 | -25 | -26 |
| 593 | 120 | 57 | -14 | -20 | -8 | -16 | -15 | -20 | -20 | -22 | -25 | -25 |
| 594 | 121 | 17 | -16 | -20 | -8 | -16 | -15 | -22 | -19 | -22 | -27 | -27 |
| 595 | 121 | 37 | -15 | -17 | -8 | -14 | -14 | -22 | -18 | -22 | -26 | -26 |
| 596 | 121 | 55 | -16 | -20 | -8 | -15 | -15 | -22 | -20 | -23 | -26 | -26 |
| 597 | 122 | 18 | -15 | -18 | -9 | -16 | -15 | -22 | -18 | -22 | -26 | -26 |
| 598 | 122 | 38 | -16 | -19 | -9 | -17 | -16 | -23 | -19 | -22 | -26 | -26 |
| 599 | 122 | 59 | -16 | -19 | -9 | -17 | -16 | -23 | -19 | -22 | -26 | -26 |
| 600 | 123 | 39 | -15 | -20 | -8 | -15 | -15 | -22 | -17 | -21 | -26 | -26 |
| 601 | 124 | 0 | -15 | -20 | -8 | -15 | -15 | -22 | -17 | -21 | -26 | -26 |
| 602 | 124 | 20 | -17 | -21 | -8 | -16 | -14 | -22 | -16 | -22 | -26 | -27 |
| 603 | 124 | 40 | -15 | -19 | -8 | -16 | -15 | -22 | -17 | -22 | -26 | -26 |
| 604 | 125 | 1 | -15 | -19 | -8 | -16 | -15 | -22 | -16 | -22 | -26 | -26 |
| 605 | 125 | 21 | -16 | -19 | -8 | -16 | -14 | -23 | -17 | -21 | -26 | -26 |
| 606 | 125 | 41 | -14 | -19 | -8 | -16 | -14 | -22 | -16 | -21 | -26 | -27 |
| 607 | 126 | 2 | -15 | -19 | -6 | -16 | -13 | -21 | -15 | -21 | -25 | -27 |
| 608 | 126 | 22 | -15 | -16 | -6 | -15 | -13 | -21 | -16 | -21 | -26 | -26 |
| 609 | 126 | 42 | -18 | -20 | -7 | -16 | -14 | -22 | -15 | -21 | -26 | -26 |
| 610 | 127 | 3 | -18 | -20 | -7 | -16 | -14 | -23 | -16 | -21 | -26 | -26 |
| 611 | 127 | 23 | -17 | -20 | -6 | -15 | -13 | -23 | -16 | -20 | -26 | -27 |
| 612 | 127 | 43 | -17 | -19 | -4 | -15 | -14 | -22 | -17 | -19 | -24 | -27 |
| 613 | 128 | 1 | -15 | -20 | -6 | -15 | -13 | -21 | -18 | -18 | -24 | -26 |
| 614 | 128 | 24 | -16 | -19 | -8 | -15 | -13 | -22 | -18 | -19 | -24 | -26 |
| 615 | 128 | 45 | -16 | -18 | -7 | -16 | -14 | -21 | -19 | -19 | -24 | -26 |
| 616 | 129 | 5 | -16 | -18 | -6 | -16 | -12 | -21 | -15 | -19 | -24 | -26 |

| -61 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-15 PILOTS FOOT LEVEL TEMP DEG.C | 3-16 PILOTS FLOOR MASS TEMP DEG.C | 3-17 CO-PLT HEAD LEVEL AIR TEMP DEG.C | 3-18 CO-PLT WAIST LEVEL AIR TEMP DEG.C | 3-19 CO-PLT FOOT LEVEL AIR TEMP DEG.C | 3-20 CO-PLT FLOOR MASS TEMP DEG.C | 3-21 CARGO AREA HEAD LEVEL DEG.C | 3-22 CARGO AREA FWD WAIST LEVEL DEG.C | 3-23 CARGO AREA FWD FOOT LEVEL DEG.C | 3-24 CARGO AREA FWD FLOOR MASS DEG.C |
|-----------------------|----------------------|----------------------|--|--|---|--|---|--|---|---|--|--|
| 617 | 129 | 25 | -15 | -18 | -7 | -16 | -13 | -22 | -17 | -19 | -24 | -27 |
| 618 | 129 | 45 | -16 | -18 | -6 | -15 | -13 | -21 | -15 | -18 | -24 | -26 |
| 619 | 130 | 5 | -15 | -19 | -7 | -15 | -13 | -21 | -14 | -19 | -25 | -26 |
| 620 | 130 | 25 | -14 | -18 | -6 | -15 | -14 | -21 | -13 | -18 | -24 | -24 |
| 621 | 130 | 45 | -16 | -19 | -6 | -14 | -16 | -21 | -12 | -18 | -24 | -25 |
| 622 | 131 | 6 | -16 | -18 | -6 | -15 | -16 | -21 | -12 | -18 | -23 | -25 |
| 623 | 131 | 27 | -16 | -17 | -4 | -13 | -16 | -21 | -11 | -17 | -23 | -25 |
| 624 | 131 | 47 | -16 | -19 | -5 | -14 | -18 | -22 | -12 | -17 | -23 | -26 |
| 625 | 132 | 7 | -16 | -18 | -7 | -15 | -18 | -21 | -12 | -18 | -24 | -24 |
| 626 | 132 | 28 | -17 | -18 | -6 | -14 | -18 | -22 | -12 | -18 | -24 | -24 |
| 627 | 132 | 48 | -17 | -18 | -6 | -14 | -17 | -22 | -16 | -21 | -24 | -26 |
| 628 | 133 | 8 | -16 | -17 | -6 | -15 | -18 | -22 | -14 | -24 | -24 | -26 |
| 629 | 133 | 29 | -17 | -17 | -6 | -15 | -18 | -21 | -13 | -22 | -24 | -24 |
| 630 | 133 | 49 | -17 | -18 | -5 | -16 | -18 | -22 | -12 | -22 | -24 | -25 |
| 631 | 134 | 9 | -18 | -18 | -6 | -16 | -18 | -22 | -13 | -22 | -24 | -26 |
| 632 | 134 | 30 | -16 | -18 | -7 | -16 | -18 | -22 | -13 | -22 | -24 | -26 |
| 633 | 134 | 50 | -15 | -17 | -5 | -15 | -17 | -28 | -11 | -19 | -23 | -25 |
| 634 | 135 | 10 | -17 | -18 | -7 | -16 | -19 | -21 | -12 | -19 | -24 | -24 |
| 635 | 135 | 31 | -17 | -18 | -7 | -16 | -19 | -21 | -11 | -28 | -24 | -26 |
| 636 | 135 | 51 | -16 | -16 | -6 | -14 | -19 | -21 | -10 | -28 | -24 | -25 |
| 637 | 136 | 11 | -16 | -18 | -7 | -16 | -19 | -21 | -11 | -18 | -24 | -25 |
| 638 | 136 | 32 | -18 | -18 | -6 | -16 | -16 | -22 | -12 | -18 | -24 | -25 |
| 639 | 136 | 52 | -18 | -17 | -6 | -15 | -19 | -22 | -13 | -18 | -24 | -25 |
| 640 | 137 | 12 | -18 | -18 | -6 | -15 | -18 | -22 | -14 | -18 | -24 | -25 |
| 641 | 137 | 33 | -19 | -19 | -7 | -16 | -20 | -23 | -14 | -19 | -25 | -25 |
| 642 | 137 | 53 | -19 | -19 | -7 | -16 | -21 | -23 | -15 | -20 | -26 | -26 |
| 643 | 138 | 13 | -18 | -18 | -4 | -16 | -19 | -22 | -18 | -19 | -24 | -26 |
| 644 | 138 | 34 | -18 | -18 | -6 | -16 | -17 | -22 | -17 | -20 | -25 | -26 |
| 645 | 138 | 54 | -17 | -18 | -7 | -16 | -16 | -20 | -17 | -20 | -25 | -26 |
| 646 | 139 | 14 | -17 | -18 | -7 | -16 | -15 | -23 | -16 | -21 | -24 | -26 |
| 647 | 139 | 35 | -17 | -18 | -7 | -16 | -17 | -21 | -14 | -21 | -24 | -26 |
| 648 | 139 | 55 | -18 | -20 | -7 | -17 | -18 | -22 | -14 | -21 | -25 | -27 |
| 649 | 140 | 15 | -19 | -19 | -7 | -16 | -18 | -23 | -13 | -20 | -25 | -26 |
| 650 | 140 | 35 | -18 | -19 | -8 | -16 | -20 | -23 | -15 | -28 | -26 | -27 |
| 651 | 140 | 55 | -17 | -18 | -3 | -16 | -20 | -22 | -14 | -28 | -24 | -26 |
| 652 | 141 | 15 | -18 | -19 | -7 | -16 | -20 | -24 | -14 | -20 | -24 | -27 |
| 653 | 141 | 35 | -17 | -19 | -6 | -16 | -21 | -22 | -12 | -24 | -24 | -26 |
| 654 | 141 | 56 | -18 | -20 | -7 | -16 | -21 | -22 | -12 | -19 | -25 | -26 |
| 655 | 142 | 16 | -18 | -19 | -6 | -16 | -20 | -21 | -12 | -18 | -25 | -26 |
| 656 | 142 | 36 | -17 | -18 | -7 | -16 | -20 | -22 | -12 | -18 | -24 | -26 |
| 657 | 142 | 56 | -17 | -18 | -7 | -16 | -20 | -22 | -11 | -18 | -24 | -26 |
| 658 | 143 | 16 | -16 | -17 | -7 | -15 | -20 | -20 | -11 | -18 | -24 | -24 |
| 659 | 143 | 37 | -18 | -18 | -6 | -16 | -20 | -22 | -12 | -18 | -24 | -26 |
| 660 | 143 | 57 | -18 | -18 | -7 | -16 | -20 | -23 | -12 | -19 | -24 | -27 |
| 661 | 144 | 17 | -16 | -18 | -5 | -17 | -21 | -22 | -12 | -20 | -25 | -27 |
| 662 | 144 | 37 | -18 | -17 | -5 | -16 | -20 | -22 | -14 | -20 | -25 | -27 |
| 663 | 144 | 57 | -17 | -18 | -6 | -16 | -20 | -22 | -14 | -20 | -25 | -27 |
| 664 | 145 | 18 | -18 | -18 | -4 | -16 | -20 | -22 | -14 | -22 | -24 | -27 |
| 665 | 145 | 38 | -17 | -18 | -6 | -17 | -21 | -22 | -13 | -21 | -24 | -26 |
| 666 | 145 | 58 | -18 | -18 | -6 | -17 | -21 | -22 | -13 | -21 | -24 | -27 |

| -01 SHEEP COUNT | 3-02 | 3-03 | 3-15 | 3-16 | 3-17 | 3-18 | 3-19 | 3-20 | 3-21 | 3-22 | 3-23 | 3-24 |
|-----------------------|--------------|--------------|---|---|---|--|---|--|--|---|--|--|
| | TIME MIN. | TIME SEC. | PILOTS FOOT LEVEL AIR TEMP DEG.C | PILOTS FLOOR MASS AIR TEMP DEG.C | CO-PLT HEAD LEVEL AIR TEMP DEG.C | CO-PLT WAIST LEVEL AIR TEMP DEG.C | CO-PLT FOOT LEVEL AIR TEMP DEG.C | CO-PLT FLOOR MASS TEMP DEG.C | CARGO AREA FWD HEAD LEVEL DEG.C | CARGO AREA FWD WAIST LEVEL DEG.C | CARGO AREA FWD FOOT LEVEL DEG.C | CARGO AREA FWD FOOT LEVEL DEG.C |
| 667 | 146 | 18 | -18 | -18 | -6 | -16 | -20 | -22 | -12 | -20 | -24 | -27 |
| 668 | 146 | 36 | -18 | -18 | -6 | -16 | -22 | -22 | -14 | -20 | -24 | -26 |
| 669 | 146 | 59 | -19 | -18 | -7 | -17 | -21 | -22 | -14 | -20 | -24 | -26 |
| 600 | 147 | 19 | -15 | -18 | -6 | -17 | -20 | -22 | -13 | -19 | -24 | -27 |
| 671 | 147 | 39 | -19 | -18 | -7 | -17 | -21 | -22 | -13 | -20 | -25 | -27 |
| 672 | 147 | 59 | -18 | -18 | -7 | -18 | -21 | -22 | -14 | -20 | -25 | -27 |
| 673 | 148 | 19 | -18 | -18 | -8 | -17 | -21 | -22 | -14 | -19 | -24 | -28 |
| 674 | 148 | 39 | -20 | -18 | -8 | -18 | -21 | -23 | -14 | -20 | -25 | -28 |
| 675 | 149 | 0 | -19 | -18 | -7 | -17 | -21 | -23 | -15 | -22 | -26 | -27 |
| 676 | 149 | 20 | -17 | -18 | -7 | -17 | -21 | -23 | -15 | -23 | -26 | -27 |
| 677 | 149 | 40 | -18 | -18 | -7 | -18 | -22 | -23 | -15 | -24 | -25 | -28 |
| 678 | 150 | 0 | -18 | -18 | -7 | -18 | -21 | -23 | -19 | -26 | -28 | -27 |
| 679 | 150 | 21 | -19 | -19 | -8 | -19 | -22 | -23 | -19 | -25 | -27 | -26 |
| 600 | 150 | 41 | -20 | -19 | -8 | -19 | -21 | -23 | -20 | -26 | -27 | -28 |
| 681 | 151 | 1 | -19 | -19 | -7 | -19 | -22 | -23 | -22 | -26 | -27 | -28 |
| 682 | 151 | 21 | -19 | -18 | -8 | -19 | -22 | -23 | -22 | -26 | -28 | -28 |
| 683 | 151 | 42 | -19 | -18 | -8 | -19 | -22 | -24 | -22 | -26 | -28 | -28 |
| 684 | 152 | 2 | -19 | -19 | -7 | -19 | -22 | -23 | -22 | -25 | -28 | -28 |
| 685 | 152 | 22 | -22 | -22 | -9 | -19 | -21 | -22 | -22 | -27 | -28 | -28 |
| 686 | 152 | 42 | -20 | -18 | -8 | -20 | -23 | -24 | -23 | -26 | -27 | -28 |
| 687 | 153 | 3 | -20 | -22 | -9 | -20 | -22 | -22 | -23 | -26 | -27 | -28 |
| 688 | 153 | 23 | -19 | -18 | -7 | -20 | -23 | -24 | -23 | -26 | -28 | -28 |
| 689 | 153 | 43 | -18 | -19 | -7 | -20 | -22 | -23 | -25 | -27 | -28 | -28 |
| 600 | 154 | 3 | -20 | -22 | -8 | -20 | -21 | -22 | -26 | -28 | -29 | -28 |
| 691 | 154 | 24 | -20 | -20 | -8 | -20 | -23 | -23 | -27 | -28 | -29 | -29 |
| 692 | 154 | 44 | -22 | -20 | -3 | -21 | -23 | -23 | -29 | -30 | -30 | -29 |
| 693 | 155 | 4 | -20 | -21 | -7 | -19 | -22 | -22 | -26 | -28 | -29 | -29 |
| 694 | 155 | 24 | -20 | -21 | -9 | -20 | -22 | -23 | -27 | -29 | -31 | -29 |
| 695 | 155 | 45 | -21 | -18 | -11 | -20 | -21 | -24 | -28 | -29 | -31 | -29 |
| 696 | 156 | 5 | -19 | -20 | -9 | -20 | -23 | -22 | -28 | -28 | -31 | -29 |
| 697 | 156 | 25 | -20 | -22 | -10 | -20 | -23 | -22 | -28 | -28 | -30 | -29 |
| 698 | 156 | 46 | -20 | -22 | -10 | -20 | -23 | -23 | -30 | -30 | -30 | -30 |
| 699 | 157 | 6 | -22 | -22 | -12 | -22 | -23 | -23 | -31 | -31 | -32 | -30 |
| 0 | 157 | 45 | -21 | -24 | -12 | -22 | -23 | -24 | -27 | -31 | -32 | -30 |
| 701 | 158 | 6 | -22 | -22 | -12 | -22 | -23 | -24 | -24 | -31 | -32 | -30 |
| 702 | 158 | 26 | -23 | -20 | -13 | -21 | -25 | -22 | -24 | -29 | -32 | -30 |
| 703 | 158 | 47 | -23 | -19 | -13 | -22 | -25 | -24 | -21 | -29 | -33 | -30 |

HH-53C S/N 68-10354
 ARCTIC TEST
 15 JANUARY 1971
 RUN NO. 3 -40 DEG C/ -40 DEG F

| -01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-25 | | | 3-26 | | | 3-27 | | | 3-28 | | |
|-----------------------|----------------------|----------------------|---------------|-------------------------------|--|---------------|--------------------------------|-----|---------------|-------------------------------|--|---------------|-------------------------------|--|
| | | | CARGO AREA | AFT HEAD LEVEL DEG.C | | CARGO AREA | AFT MAIST LEVEL DEG.C | | CARGO AREA | AFT FOOT LEVEL DEG.C | | CARGO AREA | AFT FLOOR MASS DEG.C | |
| 272 | 11 | 32 | 0 | -9 | | -24 | | -29 | | | | | | |
| 273 | 11 | 52 | 0 | -8 | | -24 | | -29 | | | | | | |
| 274 | 11 | 12 | 0 | -8 | | -23 | | -28 | | | | | | |
| 275 | 12 | 31 | 0 | -8 | | -23 | | -28 | | | | | | |
| 276 | 12 | 50 | 2 | -9 | | -23 | | -28 | | | | | | |
| 277 | 13 | 9 | 1 | -8 | | -23 | | -28 | | | | | | |
| 278 | 13 | 29 | 1 | -7 | | -23 | | -28 | | | | | | |
| 279 | 13 | 48 | 0 | -8 | | -23 | | -28 | | | | | | |
| 280 | 14 | 8 | 1 | -8 | | -23 | | -28 | | | | | | |
| 281 | 14 | 27 | 1 | -8 | | -25 | | -28 | | | | | | |
| 282 | 14 | 47 | 2 | -8 | | -23 | | -28 | | | | | | |
| 283 | 15 | 6 | 2 | -8 | | -23 | | -28 | | | | | | |
| 284 | 15 | 26 | 2 | -8 | | -23 | | -28 | | | | | | |
| 285 | 15 | 45 | 2 | -8 | | -23 | | -28 | | | | | | |
| 286 | 16 | 5 | 2 | -8 | | -23 | | -28 | | | | | | |
| 287 | 16 | 24 | 1 | -8 | | -23 | | -28 | | | | | | |
| 288 | 16 | 43 | 1 | -7 | | -23 | | -28 | | | | | | |
| 289 | 17 | 3 | 2 | -7 | | -23 | | -28 | | | | | | |
| 290 | 17 | 22 | 2 | -8 | | -23 | | -28 | | | | | | |
| 291 | 17 | 42 | 1 | -7 | | -22 | | -27 | | | | | | |
| 292 | 18 | 1 | 1 | -8 | | -22 | | -27 | | | | | | |
| 293 | 18 | 20 | 0 | -9 | | -22 | | -27 | | | | | | |
| 294 | 18 | 40 | 0 | -11 | | -21 | | -26 | | | | | | |
| 295 | 18 | 59 | -2 | -12 | | -21 | | -26 | | | | | | |
| 296 | 19 | 19 | -2 | -13 | | -20 | | -26 | | | | | | |
| 297 | 19 | 34 | -3 | -13 | | -20 | | -25 | | | | | | |
| 298 | 19 | 57 | -4 | -14 | | -20 | | -25 | | | | | | |
| 299 | 20 | 17 | -4 | -14 | | -20 | | -24 | | | | | | |
| 300 | 20 | 36 | -4 | -14 | | -20 | | -25 | | | | | | |
| 301 | 20 | 55 | -5 | -14 | | -20 | | -24 | | | | | | |
| 302 | 21 | 15 | -6 | -15 | | -20 | | -25 | | | | | | |
| 303 | 21 | 34 | -7 | -15 | | -20 | | -24 | | | | | | |
| 304 | 21 | 54 | -6 | -15 | | -20 | | -24 | | | | | | |
| 305 | 22 | 13 | -7 | -16 | | -20 | | -24 | | | | | | |
| 306 | 22 | 33 | -7 | -17 | | -20 | | -24 | | | | | | |
| 307 | 22 | 52 | -8 | -17 | | -20 | | -24 | | | | | | |
| 308 | 23 | 11 | -8 | -17 | | -21 | | -24 | | | | | | |
| 309 | 23 | 31 | -8 | -17 | | -21 | | -24 | | | | | | |
| 310 | 23 | 50 | -9 | -18 | | -21 | | -24 | | | | | | |
| 311 | 24 | 10 | -9 | -18 | | -21 | | -24 | | | | | | |
| 312 | 24 | 29 | -10 | -18 | | -21 | | -24 | | | | | | |
| 313 | 24 | 49 | -9 | -18 | | -21 | | -24 | | | | | | |
| 314 | 25 | 8 | -9 | -18 | | -21 | | -24 | | | | | | |
| 315 | 25 | 28 | -10 | -18 | | -21 | | -24 | | | | | | |
| 316 | 25 | 47 | -10 | -18 | | -21 | | -24 | | | | | | |

| -01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-25 | | | 3-26 | | | 3-27 | | | 3-28 | | |
|-----------------------|----------------------|----------------------|---------------|-------------------------------|--|---------------|--------------------------------|--|---------------|-------------------------------|--|---------------|-------------------------------|--|
| | | | CARGO AREA | AFT HEAD LEVEL DEG.C | | CARGO AREA | AFT MAIST LEVEL DEG.C | | CARGO AREA | AFT FOOT LEVEL DEG.C | | CARGO AREA | AFT MASS LEVEL DEG.C | |
| 317 | 26 | 7 | -10 | | | -10 | | | -22 | | | -24 | | |
| 318 | 26 | 26 | -10 | | | -18 | | | -22 | | | -24 | | |
| 319 | 26 | 46 | -11 | | | -19 | | | -22 | | | -25 | | |
| 320 | 27 | 5 | -11 | | | -19 | | | -22 | | | -24 | | |
| 321 | 27 | 25 | -11 | | | -19 | | | -22 | | | -25 | | |
| 322 | 27 | 45 | -11 | | | -18 | | | -22 | | | -25 | | |
| 323 | 28 | 4 | -11 | | | -18 | | | -22 | | | -25 | | |
| 324 | 28 | 24 | -12 | | | -19 | | | -23 | | | -25 | | |
| 325 | 28 | 44 | -14 | | | -21 | | | -26 | | | -25 | | |
| 326 | 29 | 3 | -14 | | | -21 | | | -25 | | | -25 | | |
| 327 | 29 | 23 | -15 | | | -21 | | | -25 | | | -28 | | |
| 328 | 29 | 43 | -15 | | | -21 | | | -25 | | | -28 | | |
| 329 | 30 | 2 | -15 | | | -20 | | | -24 | | | -26 | | |
| 330 | 30 | 22 | -15 | | | -20 | | | -24 | | | -26 | | |
| 331 | 30 | 42 | -17 | | | -20 | | | -24 | | | -26 | | |
| 332 | 31 | 1 | -15 | | | -20 | | | -24 | | | -26 | | |
| 333 | 31 | 21 | -14 | | | -21 | | | -24 | | | -26 | | |
| 334 | 31 | 41 | -15 | | | -20 | | | -24 | | | -26 | | |
| 335 | 32 | 1 | -15 | | | -21 | | | -24 | | | -26 | | |
| 336 | 32 | 20 | -15 | | | -21 | | | -24 | | | -26 | | |
| 337 | 32 | 40 | -15 | | | -21 | | | -24 | | | -26 | | |
| 338 | 33 | 9 | -15 | | | -21 | | | -24 | | | -26 | | |
| 339 | 33 | 20 | -15 | | | -21 | | | -24 | | | -26 | | |
| 340 | 33 | 40 | -15 | | | -22 | | | -24 | | | -26 | | |
| 341 | 33 | 59 | -15 | | | -22 | | | -24 | | | -26 | | |
| 342 | 34 | 19 | -16 | | | -22 | | | -24 | | | -26 | | |
| 343 | 34 | 39 | -16 | | | -22 | | | -25 | | | -26 | | |
| 344 | 34 | 59 | -16 | | | -22 | | | -25 | | | -26 | | |
| 345 | 35 | 19 | -16 | | | -22 | | | -27 | | | -27 | | |
| 346 | 35 | 39 | -16 | | | -21 | | | -24 | | | -27 | | |
| 347 | 35 | 58 | -16 | | | -21 | | | -24 | | | -26 | | |
| 348 | 36 | 18 | -16 | | | -21 | | | -24 | | | -27 | | |
| 349 | 36 | 38 | -16 | | | -20 | | | -25 | | | -27 | | |
| 350 | 36 | 58 | -16 | | | -21 | | | -24 | | | -27 | | |
| 351 | 37 | 18 | -16 | | | -21 | | | -25 | | | -27 | | |
| 352 | 37 | 38 | -16 | | | -21 | | | -25 | | | -27 | | |
| 353 | 37 | 58 | -16 | | | -21 | | | -25 | | | -28 | | |
| 354 | 38 | 18 | -16 | | | -21 | | | -25 | | | -27 | | |
| 355 | 38 | 38 | -16 | | | -22 | | | -25 | | | -27 | | |
| 356 | 38 | 58 | -18 | | | -22 | | | -24 | | | -28 | | |
| 357 | 39 | 18 | -18 | | | -21 | | | -25 | | | -28 | | |
| 358 | 39 | 37 | -18 | | | -20 | | | -24 | | | -28 | | |
| 359 | 39 | 57 | -15 | | | -17 | | | -23 | | | -28 | | |
| 360 | 40 | 17 | -10 | | | -12 | | | -22 | | | -28 | | |
| 361 | 40 | 37 | -3 | | | -7 | | | -22 | | | -28 | | |
| 362 | 40 | 57 | 0 | | | -3 | | | -21 | | | -28 | | |
| 363 | 41 | 17 | 3 | | | 0 | | | -19 | | | -28 | | |
| 364 | 41 | 37 | 5 | | | 2 | | | -18 | | | -28 | | |
| 365 | 41 | 57 | 8 | | | 7 | | | -16 | | | -28 | | |
| 366 | 42 | 17 | 10 | | | 10 | | | -16 | | | -28 | | |

| 3-28 | CARGO AREA AFT FLOOR MASS DEG.C | 3-27 | CARGO AREA AFT FLOOR MASS DEG.C | 3-26 | CARGO AREA WAIST LEVEL DEG.C | 3-25 | CARGO AREA HEAD LEVEL DEG.C | 3-03 | TIME SEC. | 3-02 | TIME MIN. | 3-01 | |
|------|---------------------------------|------|---------------------------------|------|------------------------------|------|-----------------------------|------|-----------|------|-----------|------|------|
| | | | | | | | | | | | | TIME | SEC. |
| 357 | -28 | -15 | 9 | 14 | 37 | 42 | | | | | | | |
| 358 | -28 | -13 | 17 | 18 | 57 | 42 | | | | | | | |
| 359 | -28 | -12 | 15 | 19 | 18 | 43 | | | | | | | |
| 370 | -29 | -13 | 19 | 22 | 38 | 43 | | | | | | | |
| 371 | -29 | -14 | 20 | 23 | 58 | 43 | | | | | | | |
| 372 | -28 | -14 | 21 | 24 | 18 | 44 | | | | | | | |
| 373 | -28 | -14 | 24 | 29 | 38 | 44 | | | | | | | |
| 374 | -29 | -14 | 23 | 28 | 58 | 44 | | | | | | | |
| 375 | -28 | -12 | 24 | 29 | 18 | 45 | | | | | | | |
| 376 | -28 | -12 | 26 | 31 | 38 | 45 | | | | | | | |
| 377 | -28 | -10 | 26 | 30 | 58 | 45 | | | | | | | |
| 378 | -28 | -9 | 27 | 29 | 18 | 46 | | | | | | | |
| 379 | -28 | -9 | 29 | 31 | 38 | 46 | | | | | | | |
| 380 | -28 | -10 | 27 | 28 | 58 | 46 | | | | | | | |
| 381 | -22 | -8 | 28 | 30 | 18 | 47 | | | | | | | |
| 382 | -27 | 3 | 30 | 31 | 38 | 47 | | | | | | | |
| 383 | -26 | 11 | 32 | 32 | 47 | 47 | | | | | | | |
| 384 | -25 | 14 | 32 | 32 | 19 | 48 | | | | | | | |
| 385 | -25 | 16 | 32 | 32 | 38 | 48 | | | | | | | |
| 386 | -24 | 9 | 32 | 32 | 58 | 48 | | | | | | | |
| 387 | -25 | 8 | 32 | 32 | 19 | 49 | | | | | | | |
| 388 | -28 | 3 | 35 | 37 | 39 | 49 | | | | | | | |
| 389 | -24 | 0 | 33 | 36 | 59 | 49 | | | | | | | |
| 390 | -24 | 0 | 33 | 36 | 19 | 50 | | | | | | | |
| 391 | -24 | -2 | 37 | 37 | 39 | 50 | | | | | | | |
| 392 | -24 | -2 | 29 | 35 | 59 | 50 | | | | | | | |
| 393 | -24 | -5 | 19 | 29 | 19 | 51 | | | | | | | |
| 394 | -24 | -1 | 28 | 28 | 39 | 51 | | | | | | | |
| 395 | -24 | 6 | 27 | 27 | 59 | 51 | | | | | | | |
| 396 | -24 | 8 | 30 | 31 | 19 | 52 | | | | | | | |
| 397 | -23 | 13 | 32 | 34 | 40 | 52 | | | | | | | |
| 398 | -23 | 17 | 33 | 34 | 0 | 53 | | | | | | | |
| 399 | -22 | 19 | 34 | 34 | 20 | 53 | | | | | | | |
| 400 | -22 | 20 | 35 | 34 | 40 | 53 | | | | | | | |
| 401 | -22 | 21 | 35 | 35 | 0 | 54 | | | | | | | |
| 402 | -22 | 22 | 34 | 35 | 21 | 54 | | | | | | | |
| 403 | -21 | 23 | 36 | 35 | 41 | 54 | | | | | | | |
| 404 | -21 | 24 | 33 | 34 | 1 | 55 | | | | | | | |
| 405 | -20 | 23 | 34 | 35 | 21 | 55 | | | | | | | |
| 406 | -20 | 24 | 35 | 35 | 41 | 55 | | | | | | | |
| 407 | -19 | 23 | 35 | 35 | 1 | 56 | | | | | | | |
| 408 | -19 | 24 | 36 | 36 | 21 | 56 | | | | | | | |
| 409 | -18 | 25 | 36 | 36 | 41 | 56 | | | | | | | |
| 410 | -18 | 24 | 35 | 35 | 1 | 57 | | | | | | | |
| 411 | -18 | 25 | 35 | 35 | 22 | 57 | | | | | | | |
| 412 | -17 | 25 | 35 | 35 | 42 | 57 | | | | | | | |
| 413 | -17 | 22 | 35 | 35 | 2 | 58 | | | | | | | |
| 414 | -17 | 18 | 35 | 35 | 22 | 58 | | | | | | | |
| 415 | -18 | 14 | 36 | 36 | 42 | 58 | | | | | | | |
| 416 | -17 | 21 | 38 | 38 | 2 | 59 | | | | | | | |

| -01 SLEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-25 | | | 3-27 | | | 3-28 | | |
|-----------------------|----------------------|----------------------|---------------|----------------|------|---------------|---------------|------|---------------|---------------|------|
| | | | CARGO AREA | MAIST LEVEL | DEGC | CARGO AREA | FOOT LEVEL | DEGC | CARGO AREA | FLOOR MASS | DEGC |
| 417 | 59 | 22 | 43 | 41 | 41 | 22 | 22 | -17 | | | |
| 418 | 59 | 42 | 43 | 41 | 41 | 25 | 25 | -16 | | | |
| 419 | 60 | 2 | 42 | 41 | 41 | 27 | 27 | -16 | | | |
| 420 | 60 | 22 | 41 | 40 | 40 | 28 | 28 | -15 | | | |
| 421 | 60 | 42 | 42 | 41 | 41 | 30 | 30 | -14 | | | |
| 422 | 61 | 3 | 41 | 40 | 40 | 29 | 29 | -14 | | | |
| 423 | 61 | 23 | 40 | 39 | 39 | 30 | 30 | -14 | | | |
| 424 | 61 | 43 | 39 | 38 | 38 | 29 | 29 | -13 | | | |
| 425 | 62 | 3 | 39 | 38 | 38 | 29 | 29 | -13 | | | |
| 426 | 62 | 23 | 38 | 36 | 36 | 29 | 29 | -13 | | | |
| 427 | 62 | 43 | 39 | 38 | 38 | 29 | 29 | -12 | | | |
| 428 | 63 | 3 | 40 | 36 | 36 | 29 | 29 | -12 | | | |
| 429 | 63 | 23 | 36 | 37 | 37 | 29 | 29 | -12 | | | |
| 430 | 63 | 43 | 39 | 38 | 38 | 31 | 31 | -12 | | | |
| 431 | 64 | 3 | 39 | 36 | 36 | 29 | 29 | -12 | | | |
| 432 | 64 | 23 | 37 | 36 | 36 | 23 | 23 | -12 | | | |
| 433 | 64 | 43 | 40 | 38 | 38 | 19 | 19 | -11 | | | |
| 434 | 65 | 4 | 41 | 36 | 36 | 17 | 17 | -12 | | | |
| 435 | 65 | 24 | 41 | 36 | 36 | 18 | 18 | -12 | | | |
| 436 | 65 | 44 | 41 | 33 | 33 | 17 | 17 | -12 | | | |
| 437 | 66 | 4 | 38 | 35 | 35 | 15 | 15 | -12 | | | |
| 438 | 66 | 24 | 40 | 35 | 35 | 13 | 13 | -12 | | | |
| 439 | 66 | 44 | 40 | 36 | 36 | 11 | 11 | -12 | | | |
| 440 | 67 | 4 | 41 | 36 | 36 | 10 | 10 | -13 | | | |
| 441 | 67 | 24 | 39 | 36 | 36 | 12 | 12 | -12 | | | |
| 442 | 67 | 44 | 37 | 34 | 34 | 16 | 16 | -12 | | | |
| 443 | 68 | 4 | 39 | 36 | 36 | 20 | 20 | -12 | | | |
| 444 | 68 | 24 | 38 | 36 | 36 | 22 | 22 | -11 | | | |
| 445 | 68 | 44 | 38 | 37 | 37 | 24 | 24 | -10 | | | |
| 446 | 69 | 4 | 38 | 36 | 36 | 26 | 26 | -10 | | | |
| 447 | 69 | 24 | 39 | 38 | 38 | 27 | 27 | -10 | | | |
| 448 | 69 | 44 | 39 | 37 | 37 | 25 | 25 | -10 | | | |
| 449 | 70 | 4 | 38 | 38 | 38 | 25 | 25 | -10 | | | |
| 450 | 70 | 24 | 39 | 37 | 37 | 27 | 27 | -9 | | | |
| 451 | 70 | 44 | 39 | 37 | 37 | 27 | 27 | -8 | | | |
| 452 | 71 | 5 | 39 | 36 | 36 | 28 | 28 | -9 | | | |
| 453 | 71 | 25 | 40 | 37 | 37 | 28 | 28 | -8 | | | |
| 454 | 71 | 45 | 41 | 38 | 38 | 27 | 27 | -7 | | | |
| 455 | 72 | 5 | 41 | 38 | 38 | 27 | 27 | -8 | | | |
| 456 | 72 | 25 | 37 | 38 | 38 | 26 | 26 | -8 | | | |
| 457 | 72 | 45 | 32 | 32 | 32 | 26 | 26 | -7 | | | |
| 458 | 73 | 5 | 25 | 25 | 25 | 24 | 24 | -7 | | | |
| 459 | 73 | 25 | 23 | 23 | 23 | 22 | 22 | -7 | | | |
| 460 | 73 | 46 | 24 | 24 | 24 | 21 | 21 | -7 | | | |
| 461 | 74 | 6 | 29 | 26 | 26 | 21 | 21 | -7 | | | |
| 462 | 74 | 26 | 32 | 31 | 31 | 22 | 22 | -7 | | | |
| 463 | 74 | 46 | 36 | 33 | 33 | 25 | 25 | -6 | | | |
| 464 | 75 | 6 | 32 | 32 | 32 | 26 | 26 | -6 | | | |
| 465 | 75 | 26 | 29 | 28 | 28 | 25 | 25 | -6 | | | |
| 466 | 75 | 47 | 28 | 27 | 27 | 24 | 24 | -5 | | | |

| SWAMP COUNT | 3-00 | | 3-01 | | 3-25 | | 3-26 | | 3-27 | | 3-28 | |
|----------------|--------------|------|---------------|------------------------|---------------|--------------------------------|---------------|-------------------------------|---------------|-------------------------------|---------------|------------------------------|
| | TIME MIN. | SEC. | CARGO AREA | HEAD LEVEL DEG.C | CARGO AREA | AFT MAIST LEVEL DEG.C | CARGO AREA | AFT FOOT LEVEL DEG.C | CARGO AREA | AFT FOOT LEVEL DEG.C | CARGO AREA | AFT FOOT MASS DEG.C |
| 467 | 76 | 7 | 29 | | 28 | | 25 | | 25 | | -4 | |
| 468 | 76 | 27 | 31 | | 29 | | 25 | | 25 | | -4 | |
| 469 | 76 | 47 | 30 | | 28 | | 26 | | 26 | | -4 | |
| 470 | 77 | 7 | 27 | | 25 | | 25 | | 25 | | -4 | |
| 471 | 77 | 27 | 26 | | 25 | | 24 | | 24 | | -4 | |
| 472 | 77 | 48 | 28 | | 27 | | 27 | | 25 | | -4 | |
| 473 | 78 | 6 | 31 | | 28 | | 20 | | 20 | | -5 | |
| 474 | 78 | 28 | 30 | | 24 | | 17 | | 17 | | -4 | |
| 475 | 78 | 48 | 27 | | 21 | | 13 | | 13 | | -6 | |
| 476 | 79 | 8 | 25 | | 18 | | 10 | | 10 | | -6 | |
| 477 | 79 | 29 | 21 | | 15 | | 8 | | 8 | | -6 | |
| 478 | 79 | 49 | 19 | | 13 | | 5 | | 5 | | -7 | |
| 479 | 80 | 9 | 17 | | 11 | | 4 | | 4 | | -7 | |
| 480 | 80 | 29 | 15 | | 11 | | 4 | | 3 | | -7 | |
| 481 | 80 | 50 | 14 | | 9 | | 3 | | 3 | | -7 | |
| 482 | 81 | 10 | 11 | | 8 | | 2 | | 2 | | -8 | |
| 483 | 81 | 30 | 11 | | 7 | | 1 | | 1 | | -8 | |
| 484 | 81 | 51 | 10 | | 6 | | 0 | | 0 | | -8 | |
| 485 | 82 | 11 | 12 | | 5 | | 0 | | 0 | | -8 | |
| 486 | 82 | 31 | 11 | | 4 | | 0 | | 0 | | -9 | |
| 487 | 82 | 52 | 11 | | 4 | | 0 | | 0 | | -9 | |
| 488 | 83 | 12 | 11 | | 4 | | 0 | | 0 | | -9 | |
| 489 | 83 | 32 | 9 | | 3 | | 0 | | 0 | | -10 | |
| 490 | 83 | 52 | 8 | | 2 | | 0 | | 0 | | -9 | |
| 491 | 84 | 13 | 7 | | 2 | | 0 | | 0 | | -10 | |
| 492 | 84 | 33 | 6 | | 1 | | 0 | | 0 | | -10 | |
| 493 | 84 | 53 | 5 | | 0 | | 0 | | 0 | | -10 | |
| 494 | 85 | 13 | 4 | | 0 | | 0 | | 0 | | -10 | |
| 495 | 85 | 33 | 2 | | 0 | | 0 | | 0 | | -13 | |
| 496 | 85 | 54 | 2 | | 1 | | 0 | | 0 | | -9 | |
| 497 | 86 | 14 | 1 | | 1 | | 0 | | 0 | | -10 | |
| 498 | 86 | 34 | 0 | | 0 | | 0 | | 0 | | -11 | |
| 499 | 86 | 55 | 0 | | 0 | | 0 | | 0 | | -10 | |
| 500 | 87 | 15 | 0 | | -2 | | -2 | | -2 | | -11 | |
| 501 | 87 | 35 | -1 | | -2 | | -2 | | -2 | | -12 | |
| 502 | 87 | 56 | -2 | | -2 | | -2 | | -2 | | -12 | |
| 503 | 88 | 16 | -3 | | -3 | | -3 | | -3 | | -11 | |
| 504 | 88 | 36 | -3 | | -4 | | -4 | | -4 | | -12 | |
| 505 | 88 | 56 | -4 | | -4 | | -4 | | -4 | | -12 | |
| 506 | 89 | 17 | -5 | | -5 | | -5 | | -5 | | -12 | |
| 507 | 89 | 37 | -6 | | -6 | | -6 | | -6 | | -13 | |
| 508 | 89 | 57 | -6 | | -6 | | -6 | | -6 | | -12 | |
| 509 | 90 | 18 | -6 | | -6 | | -6 | | -6 | | -13 | |
| 510 | 90 | 38 | -5 | | -7 | | -7 | | -7 | | -13 | |
| 511 | 90 | 58 | -6 | | -6 | | -7 | | -7 | | -13 | |
| 512 | 91 | 19 | -6 | | -6 | | -7 | | -7 | | -14 | |
| 513 | 91 | 39 | -6 | | -6 | | -8 | | -8 | | -13 | |
| 514 | 92 | 0 | -6 | | -6 | | -8 | | -8 | | -14 | |
| 515 | 92 | 20 | -8 | | -8 | | -8 | | -8 | | -15 | |
| 516 | 92 | 41 | -8 | | -9 | | -9 | | -9 | | -15 | |

| -01 SHEEP COUNT | 3-02 | | 3-03 | | 3-25 | | 3-26 | | 3-27 | | 3-28 | |
|-----------------------|--------------|------|--------------|------|---------------|------------------------|---------------|-------------------------|---------------|-------------------------|---------------|------------------------|
| | TIME MIN. | SEC. | TIME MIN. | SEC. | CARGO AREA | HEAD LEVEL DEG.C | CARGO AREA | HAIST LEVEL DEG.C | CARGO AREA | FLOOR LEVEL DEG.C | CARGO AREA | FLOOR MASS DEG.C |
| 517 | 93 | 2 | | | -6 | | -6 | | -12 | | -16 | |
| 518 | 93 | 25 | | | -9 | | -9 | | -13 | | -16 | |
| 519 | 95 | 42 | | | -8 | | -9 | | -13 | | -16 | |
| 520 | 96 | 3 | | | -10 | | -9 | | -13 | | -16 | |
| 521 | 96 | 23 | | | -10 | | -9 | | -13 | | -16 | |
| 522 | 96 | 44 | | | -9 | | -10 | | -12 | | -16 | |
| 523 | 97 | 5 | | | -9 | | -9 | | -13 | | -16 | |
| 524 | 97 | 25 | | | -6 | | -10 | | -13 | | -16 | |
| 525 | 97 | 46 | | | -10 | | -9 | | -13 | | -17 | |
| 526 | 98 | 6 | | | -9 | | -10 | | -12 | | -16 | |
| 527 | 98 | 27 | | | -10 | | -10 | | -12 | | -16 | |
| 528 | 98 | 48 | | | -10 | | -12 | | -14 | | -17 | |
| 529 | 99 | 6 | | | -10 | | -10 | | -13 | | -17 | |
| 530 | 99 | 29 | | | -10 | | -11 | | -14 | | -17 | |
| 531 | 99 | 49 | | | -11 | | -12 | | -15 | | -17 | |
| 532 | 100 | 10 | | | -11 | | -11 | | -14 | | -17 | |
| 533 | 100 | 30 | | | -11 | | -12 | | -15 | | -17 | |
| 534 | 100 | 51 | | | -11 | | -11 | | -15 | | -17 | |
| 535 | 101 | 11 | | | -12 | | -12 | | -16 | | -18 | |
| 536 | 101 | 32 | | | -12 | | -12 | | -17 | | -18 | |
| 537 | 101 | 52 | | | -13 | | -12 | | -17 | | -18 | |
| 538 | 102 | 13 | | | -14 | | -14 | | -19 | | -18 | |
| 539 | 102 | 33 | | | -14 | | -14 | | -18 | | -18 | |
| 540 | 102 | 54 | | | -14 | | -14 | | -18 | | -19 | |
| 541 | 103 | 14 | | | -15 | | -15 | | -19 | | -19 | |
| 542 | 103 | 35 | | | -14 | | -14 | | -20 | | -20 | |
| 543 | 103 | 55 | | | -14 | | -15 | | -19 | | -19 | |
| 544 | 104 | 16 | | | -15 | | -16 | | -19 | | -19 | |
| 545 | 104 | 36 | | | -15 | | -16 | | -19 | | -20 | |
| 546 | 104 | 57 | | | -16 | | -16 | | -20 | | -20 | |
| 547 | 105 | 17 | | | -16 | | -16 | | -21 | | -21 | |
| 548 | 105 | 38 | | | -16 | | -16 | | -20 | | -20 | |
| 549 | 105 | 58 | | | -17 | | -17 | | -21 | | -20 | |
| 550 | 106 | 19 | | | -16 | | -17 | | -20 | | -21 | |
| 551 | 106 | 39 | | | -17 | | -17 | | -21 | | -21 | |
| 552 | 107 | 0 | | | -16 | | -17 | | -21 | | -21 | |
| 553 | 107 | 20 | | | -16 | | -18 | | -22 | | -22 | |
| 554 | 107 | 41 | | | -16 | | -18 | | -22 | | -22 | |
| 555 | 108 | 1 | | | -17 | | -18 | | -22 | | -22 | |
| 556 | 108 | 22 | | | -17 | | -18 | | -22 | | -22 | |
| 557 | 108 | 42 | | | -18 | | -19 | | -22 | | -23 | |
| 558 | 109 | 2 | | | -18 | | -18 | | -22 | | -23 | |
| 559 | 109 | 23 | | | -18 | | -19 | | -23 | | -23 | |
| 560 | 109 | 43 | | | -18 | | -18 | | -23 | | -23 | |
| 561 | 110 | 4 | | | -19 | | -19 | | -22 | | -23 | |
| 562 | 110 | 24 | | | -19 | | -20 | | -22 | | -23 | |
| 563 | 110 | 45 | | | -18 | | -19 | | -23 | | -24 | |
| 564 | 111 | 5 | | | -19 | | -19 | | -23 | | -24 | |
| 565 | 111 | 26 | | | -19 | | -19 | | -23 | | -24 | |
| 566 | 111 | 46 | | | -19 | | -20 | | -23 | | -24 | |

| SHIP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-25 | | 3-26 | | 3-27 | | 3-28 | |
|---------------|----------------------|----------------------|---------------|-------------------------------|---------------|--------------------------------|---------------|-------------------------------|---------------|-------------------------------|
| | | | CARGO AREA | AFT HEAD LEVEL DEG.C | CARGO AREA | AFT WAIST LEVEL DEG.C | CARGO AREA | AFT FOOT LEVEL DEG.C | CARGO AREA | AFT FLOOR MASS DEG.C |
| 617 | 129 | 25 | -20 | -20 | -20 | -20 | -22 | -22 | -27 | -27 |
| 618 | 129 | 45 | -18 | -18 | -18 | -18 | -20 | -20 | -27 | -27 |
| 619 | 130 | 6 | -18 | -18 | -19 | -19 | -21 | -21 | -26 | -26 |
| 620 | 130 | 26 | -17 | -17 | -17 | -17 | -19 | -19 | -26 | -26 |
| 621 | 130 | 46 | -17 | -17 | -17 | -17 | -20 | -20 | -26 | -26 |
| 622 | 131 | 6 | -16 | -16 | -16 | -16 | -20 | -20 | -26 | -26 |
| 623 | 131 | 27 | -16 | -16 | -17 | -17 | -20 | -20 | -25 | -25 |
| 624 | 131 | 47 | -17 | -17 | -18 | -18 | -21 | -21 | -27 | -27 |
| 625 | 132 | 7 | -17 | -17 | -18 | -18 | -22 | -22 | -26 | -26 |
| 626 | 132 | 28 | -16 | -16 | -18 | -18 | -22 | -22 | -24 | -24 |
| 627 | 132 | 48 | -17 | -17 | -18 | -18 | -22 | -22 | -26 | -26 |
| 628 | 133 | 8 | -16 | -16 | -18 | -18 | -22 | -22 | -26 | -26 |
| 629 | 133 | 29 | -17 | -17 | -18 | -18 | -22 | -22 | -26 | -26 |
| 630 | 133 | 49 | -18 | -18 | -19 | -19 | -22 | -22 | -24 | -24 |
| 631 | 134 | 9 | -19 | -19 | -19 | -19 | -22 | -22 | -26 | -26 |
| 632 | 134 | 30 | -19 | -19 | -20 | -20 | -24 | -24 | -26 | -26 |
| 633 | 134 | 50 | -18 | -18 | -18 | -18 | -21 | -21 | -24 | -24 |
| 634 | 135 | 10 | -18 | -18 | -20 | -20 | -23 | -23 | -25 | -25 |
| 635 | 135 | 31 | -19 | -19 | -20 | -20 | -22 | -22 | -26 | -26 |
| 636 | 135 | 51 | -17 | -17 | -18 | -18 | -22 | -22 | -25 | -25 |
| 637 | 136 | 11 | -18 | -18 | -19 | -19 | -22 | -22 | -24 | -24 |
| 638 | 136 | 32 | -17 | -17 | -18 | -18 | -22 | -22 | -26 | -26 |
| 639 | 136 | 52 | -18 | -18 | -19 | -19 | -23 | -23 | -25 | -25 |
| 640 | 137 | 12 | -18 | -18 | -18 | -18 | -22 | -22 | -26 | -26 |
| 641 | 137 | 33 | -18 | -18 | -19 | -19 | -24 | -24 | -25 | -25 |
| 642 | 137 | 53 | -19 | -19 | -20 | -20 | -25 | -25 | -26 | -26 |
| 643 | 138 | 13 | -19 | -19 | -20 | -20 | -24 | -24 | -26 | -26 |
| 644 | 138 | 34 | -19 | -19 | -20 | -20 | -23 | -23 | -25 | -25 |
| 645 | 138 | 54 | -19 | -19 | -20 | -20 | -22 | -22 | -24 | -24 |
| 646 | 139 | 14 | -19 | -19 | -20 | -20 | -22 | -22 | -26 | -26 |
| 647 | 139 | 35 | -20 | -20 | -20 | -20 | -22 | -22 | -24 | -24 |
| 648 | 139 | 55 | -19 | -19 | -18 | -18 | -22 | -22 | -25 | -25 |
| 649 | 140 | 15 | -19 | -19 | -20 | -20 | -22 | -22 | -26 | -26 |
| 650 | 140 | 35 | -19 | -19 | -20 | -20 | -23 | -23 | -26 | -26 |
| 651 | 140 | 55 | -18 | -18 | -19 | -19 | -22 | -22 | -25 | -25 |
| 652 | 141 | 15 | -19 | -19 | -21 | -21 | -23 | -23 | -26 | -26 |
| 653 | 141 | 35 | -19 | -19 | -19 | -19 | -22 | -22 | -26 | -26 |
| 654 | 141 | 56 | -17 | -17 | -19 | -19 | -22 | -22 | -26 | -26 |
| 655 | 142 | 16 | -18 | -18 | -19 | -19 | -23 | -23 | -25 | -25 |
| 656 | 142 | 36 | -17 | -17 | -19 | -19 | -23 | -23 | -25 | -25 |
| 657 | 142 | 56 | -17 | -17 | -18 | -18 | -22 | -22 | -26 | -26 |
| 658 | 143 | 16 | -17 | -17 | -19 | -19 | -22 | -22 | -24 | -24 |
| 659 | 143 | 37 | -16 | -16 | -18 | -18 | -22 | -22 | -26 | -26 |
| 660 | 143 | 57 | -14 | -14 | -20 | -20 | -22 | -22 | -26 | -26 |
| 661 | 144 | 17 | -17 | -17 | -19 | -19 | -22 | -22 | -25 | -25 |
| 662 | 144 | 37 | -17 | -17 | -20 | -20 | -22 | -22 | -26 | -26 |
| 663 | 144 | 57 | -18 | -18 | -19 | -19 | -22 | -22 | -26 | -26 |
| 664 | 145 | 18 | -17 | -17 | -20 | -20 | -22 | -22 | -26 | -26 |
| 665 | 145 | 34 | -18 | -18 | -20 | -20 | -23 | -23 | -26 | -26 |
| 666 | 145 | 58 | -18 | -18 | -20 | -20 | -22 | -22 | -26 | -26 |

| TIME MIN. | 3-25 TIME SEC. | 3-25 | | | | 3-26 | | | | 3-27 | | | | 3-28 | | | |
|--------------|----------------------|---------------|----------------------|-----------|------|---------------|-----------------------|-----------|------|---------------|----------------------|-----------|------|---------------|-------------------------------|--|--|
| | | CARGO AREA | AFT HEAD LEVEL | NEG. C | DEG. | CARGO AREA | AFT WAIST LEVEL | NEG. C | DEG. | CARGO AREA | AFT FOOT LEVEL | NEG. C | DEG. | CARGO AREA | AFT FLOOR MASS DEG.C | | |
| 667 | 18 | | | -18 | | | -20 | | | | | -22 | | | -25 | | |
| 668 | 19 | | | -18 | | | -20 | | | | | -23 | | | -26 | | |
| 669 | 20 | | | -18 | | | -20 | | | | | -23 | | | -26 | | |
| 670 | 21 | | | -17 | | | -20 | | | | | -23 | | | -26 | | |
| 671 | 22 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 672 | 23 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 673 | 24 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 674 | 25 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 675 | 26 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 676 | 27 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 677 | 28 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 678 | 29 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 679 | 30 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 680 | 31 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 681 | 32 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 682 | 33 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 683 | 34 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 684 | 35 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 685 | 36 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 686 | 37 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 687 | 38 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 688 | 39 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 689 | 40 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 690 | 41 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 691 | 42 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 692 | 43 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 693 | 44 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 694 | 45 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 695 | 46 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 696 | 47 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 697 | 48 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 698 | 49 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 699 | 50 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 700 | 51 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 701 | 52 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 702 | 53 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |
| 703 | 54 | | | -16 | | | -20 | | | | | -23 | | | -26 | | |

MH-53C S/N 68-10354
 APTIC TEST
 15 JANUARY 1971
 RUN NO. 3

-40 DEG C/ -43 DEG F

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PLT WINDSHD INSIDE LOWER CENTER DEG.C | 4-06 CO-PLT WINDSHD UPPER R H DEG.C | 4-07 CENTER PANEL WINDSHD INSIDE LMP C DEG.C | 4-08 CENTER PANEL WINDSHD INSIDE UPR C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 (COLL. /YAM CHAM) DEG.C |
|-----------------------|----------------------|----------------------|---|--|--|--|--|---|---|--|---|--|
| 272 | 11 | 35 | -20 | -14 | -22 | -9 | -36 | -36 | -36 | -36 | -36 | -30 |
| 273 | 11 | 54 | -20 | -13 | -21 | -9 | -37 | -36 | -36 | -36 | -35 | -29 |
| 274 | 12 | 14 | -20 | -13 | -21 | -9 | -36 | -36 | -35 | -36 | -34 | -30 |
| 275 | 12 | 33 | -20 | -13 | -21 | -9 | -36 | -36 | -35 | -30 | * | * |
| 276 | 12 | 52 | -14 | -13 | -21 | -9 | -36 | -36 | -35 | -17 | -8 | -38 |
| 277 | 12 | 12 | -20 | -12 | -22 | -10 | -36 | -36 | -35 | -11 | -4 | -29 |
| 278 | 13 | 31 | -19 | -12 | -21 | -9 | -36 | -36 | -35 | -0 | 0 | -29 |
| 279 | 13 | 51 | -19 | -13 | -21 | -7 | -36 | -36 | -35 | -6 | 2 | -29 |
| 280 | 14 | 10 | -19 | -13 | -21 | -7 | -36 | -36 | -36 | -4 | 4 | -29 |
| 281 | 14 | 30 | -20 | -12 | -21 | -8 | -36 | -36 | -35 | -1 | 8 | -29 |
| 282 | 14 | 49 | -19 | -12 | -22 | -8 | -36 | -36 | -36 | 0 | 11 | -30 |
| 283 | 15 | 9 | -20 | -13 | -21 | -9 | -36 | -36 | -35 | 2 | 12 | -29 |
| 284 | 15 | 28 | -19 | -13 | -21 | -8 | -36 | -36 | -35 | 4 | 13 | -29 |
| 285 | 15 | 43 | -20 | -13 | -21 | -8 | -36 | -36 | -35 | 7 | 15 | -29 |
| 286 | 16 | 7 | -19 | -13 | -21 | -8 | -36 | -36 | -35 | 8 | 18 | -29 |
| 287 | 16 | 26 | -19 | -13 | -21 | -8 | -36 | -35 | -35 | 10 | 19 | -29 |
| 288 | 16 | 46 | -19 | -12 | -21 | -7 | -36 | -36 | -35 | 11 | 21 | -29 |
| 289 | 17 | 5 | -20 | -12 | -21 | -8 | -36 | -36 | -35 | 13 | 22 | -29 |
| 290 | 17 | 25 | -16 | -12 | -21 | -6 | -36 | -36 | -34 | 15 | 24 | -28 |
| 291 | 17 | 44 | -16 | -11 | -20 | -6 | -35 | -35 | -34 | 17 | 26 | -28 |
| 292 | 18 | 3 | -16 | -10 | -20 | -7 | -34 | -34 | -34 | 18 | 27 | -28 |
| 293 | 18 | 23 | -18 | -10 | -20 | -7 | -34 | -34 | -33 | 19 | 29 | -27 |
| 294 | 18 | 42 | -17 | -10 | -20 | -7 | -34 | -33 | -32 | 22 | 31 | -26 |
| 295 | 19 | 2 | -17 | -10 | -19 | -8 | -33 | -33 | -32 | 23 | 33 | -26 |
| 296 | 19 | 21 | -17 | -11 | -19 | -8 | -33 | -32 | -32 | 24 | 34 | -26 |
| 297 | 19 | 40 | -16 | -11 | -19 | -8 | -32 | -32 | -32 | 25 | 35 | -26 |
| 298 | 20 | 0 | -16 | -10 | -19 | -8 | -32 | -32 | -32 | 27 | 35 | -25 |
| 299 | 20 | 19 | -17 | -11 | -19 | -8 | -32 | -32 | -31 | 28 | 37 | -25 |
| 300 | 20 | 38 | -17 | -10 | -19 | -8 | -32 | -32 | -31 | 29 | 38 | -25 |
| 301 | 20 | 58 | -17 | -10 | -19 | -8 | -31 | -32 | -31 | 31 | 39 | -24 |
| 302 | 21 | 17 | -17 | -11 | -18 | -8 | -31 | -31 | -31 | 31 | 40 | -24 |
| 303 | 21 | 37 | -17 | -10 | -18 | -9 | -31 | -31 | -31 | 32 | 41 | -24 |
| 304 | 21 | 56 | -17 | -11 | -19 | -8 | -31 | -31 | -30 | 33 | 41 | -24 |
| 305 | 22 | 16 | -17 | -11 | -19 | -10 | -30 | -30 | -30 | 34 | 42 | -24 |
| 306 | 22 | 35 | -16 | -12 | -19 | -8 | -30 | -30 | -30 | 35 | 43 | -24 |
| 307 | 22 | 54 | -17 | -11 | -18 | -9 | -30 | -30 | -30 | 37 | 44 | -24 |
| 308 | 23 | 14 | -17 | -11 | -18 | -10 | -30 | -30 | -30 | 38 | 45 | -23 |
| 309 | 23 | 33 | -17 | -11 | -19 | -10 | -30 | -30 | -30 | 38 | 45 | -23 |
| 310 | 23 | 53 | -14 | -12 | -19 | -9 | -30 | -30 | -30 | 38 | 46 | -24 |
| 311 | 24 | 12 | -17 | -12 | -19 | -9 | -30 | -30 | -30 | 39 | 47 | -23 |
| 312 | 24 | 32 | -17 | -12 | -19 | -10 | -30 | -30 | -30 | 39 | 47 | -23 |
| 313 | 24 | 51 | -16 | -12 | -19 | -10 | -30 | -30 | -29 | 39 | 47 | -23 |
| 314 | 25 | 11 | -17 | -13 | -19 | -10 | -30 | -30 | -29 | 41 | 48 | -23 |
| 315 | 25 | 30 | -16 | -12 | -19 | -10 | -29 | -30 | -29 | 41 | 49 | -22 |
| 316 | 25 | 50 | -17 | -13 | -19 | -10 | -30 | -30 | -28 | 42 | 49 | -22 |

| BASED COUNT | 4-32 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PLT INSIDE LOWER CENTER DEG.C | 4-06 CO-PLT WDSHO INSIDE UPPER R H DEG.C | 4-07 CENTER PANEL WDSHO INSIDE LWR C DEG.C | 4-08 CENTER PANEL WDSHO INSIDE UPR C DEG.C | 4-09 1STAGE PUMP INLET TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE APT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE APT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE APCS 1 (COLL. /YAW CHAN) DEG.C |
|----------------|----------------------|----------------------|--|--|--|--|--|---|---|--|---|--|
| 317 | 26 | 9 | -17 | -13 | -19 | -10 | -29 | -29 | -28 | 42 | 50 | -22 |
| 318 | 26 | 29 | -18 | -14 | -20 | -10 | -29 | -29 | -28 | 43 | 51 | -22 |
| 319 | 26 | 48 | -18 | -12 | -18 | -11 | -29 | -29 | -28 | 44 | 51 | -22 |
| 320 | 27 | 8 | -17 | -10 | -18 | -10 | -29 | -29 | -28 | 44 | 52 | -22 |
| 321 | 27 | 27 | -16 | -12 | -19 | -12 | -29 | -28 | -27 | 45 | 52 | -22 |
| 322 | 27 | 47 | -16 | -14 | -19 | -11 | -29 | -29 | -27 | 46 | 53 | -22 |
| 323 | 28 | 7 | -18 | -13 | -18 | -11 | -28 | -29 | -27 | 47 | 54 | -22 |
| 324 | 28 | 25 | -19 | -14 | -21 | -12 | -28 | -29 | -27 | 48 | 54 | -22 |
| 325 | 28 | 46 | -19 | -14 | -22 | -12 | -28 | -26 | -27 | 49 | 55 | -21 |
| 326 | 29 | 5 | -20 | -14 | -21 | -12 | -28 | -29 | -26 | 50 | 56 | -21 |
| 327 | 29 | 25 | -20 | -13 | -21 | -13 | -28 | -26 | -26 | 51 | 58 | -21 |
| 328 | 29 | 45 | -20 | -13 | -20 | -14 | -28 | -26 | -26 | 52 | 59 | -21 |
| 329 | 30 | 5 | -19 | -15 | -21 | -13 | -28 | -28 | -26 | 53 | 59 | -21 |
| 330 | 30 | 24 | -20 | -15 | -21 | -13 | -28 | -28 | -26 | 53 | 60 | -21 |
| 331 | 30 | 44 | -20 | -14 | -22 | -14 | -28 | -26 | -26 | 54 | 61 | -20 |
| 332 | 31 | 4 | -19 | -15 | -19 | -12 | -28 | -26 | -25 | 55 | 62 | -20 |
| 333 | 31 | 23 | -20 | -16 | -21 | -13 | -28 | -26 | -25 | 56 | 62 | -20 |
| 334 | 31 | 43 | -21 | -15 | -22 | -13 | -28 | -26 | -25 | 56 | 62 | -20 |
| 335 | 32 | 3 | -21 | -14 | -20 | -14 | -28 | -26 | -25 | 56 | 62 | -20 |
| 336 | 32 | 23 | -21 | -15 | -22 | -13 | -28 | -26 | -25 | 56 | 63 | -20 |
| 337 | 32 | 43 | -20 | -16 | -22 | -14 | -28 | -26 | -24 | 57 | 64 | -20 |
| 338 | 33 | 2 | -21 | -16 | -22 | -13 | -27 | -28 | -24 | 58 | 64 | -20 |
| 339 | 33 | 22 | -20 | -14 | -20 | -14 | -28 | -28 | -24 | 58 | 65 | -19 |
| 340 | 33 | 42 | -21 | -16 | -20 | -13 | -28 | -28 | -24 | 58 | 65 | -19 |
| 341 | 34 | 2 | -21 | -15 | -22 | -14 | -27 | -28 | -24 | 59 | 66 | -19 |
| 342 | 34 | 22 | -21 | -15 | -20 | -14 | -27 | -28 | -24 | 59 | 66 | -19 |
| 343 | 34 | 41 | -21 | -15 | -22 | -14 | -27 | -28 | -24 | 60 | 66 | -19 |
| 344 | 35 | 1 | -22 | -16 | -22 | -13 | -27 | -28 | -24 | 60 | 67 | -19 |
| 345 | 35 | 21 | -21 | -16 | -23 | -15 | -27 | -28 | -24 | 61 | 67 | -19 |
| 346 | 35 | 41 | -22 | -16 | -23 | -14 | -27 | -26 | -24 | 61 | 68 | -18 |
| 347 | 36 | 1 | -21 | -16 | -20 | -14 | -27 | -27 | -24 | 61 | 69 | -18 |
| 348 | 36 | 21 | -22 | -16 | -24 | -15 | -27 | -27 | -24 | 62 | 69 | -18 |
| 349 | 36 | 41 | -22 | -17 | -22 | -14 | -27 | -27 | -24 | 62 | 69 | -18 |
| 350 | 37 | 1 | -21 | -16 | -20 | -14 | -27 | -27 | -23 | 62 | 69 | -18 |
| 351 | 37 | 20 | -22 | -17 | -23 | -15 | -27 | -27 | -23 | 62 | 70 | -18 |
| 352 | 37 | 40 | -22 | -17 | -22 | -15 | -27 | -27 | -23 | 63 | 69 | -18 |
| 353 | 38 | 0 | -23 | -18 | -24 | -16 | -27 | -28 | -23 | 63 | 70 | -18 |
| 354 | 38 | 20 | -22 | -17 | -22 | -15 | -27 | -28 | -23 | 63 | 70 | -18 |
| 355 | 38 | 40 | -23 | -17 | -24 | -16 | -27 | -28 | -23 | 64 | 70 | -17 |
| 356 | 39 | 0 | -23 | -18 | -24 | -15 | -27 | -27 | -23 | 64 | 71 | -16 |
| 357 | 39 | 20 | -22 | -16 | -22 | -16 | -27 | -27 | -23 | 64 | 71 | -16 |
| 358 | 39 | 40 | -21 | -17 | -24 | -16 | -27 | -27 | -23 | 64 | 71 | -16 |
| 359 | 40 | 0 | -16 | -15 | -21 | -16 | -27 | -27 | -22 | 64 | 72 | -16 |
| 360 | 40 | 20 | -13 | -13 | -24 | -15 | -26 | -28 | -22 | 65 | 72 | -16 |
| 361 | 40 | 40 | -18 | -10 | -21 | -15 | -26 | -27 | -22 | 65 | 72 | -16 |
| 362 | 41 | 0 | -9 | -10 | -19 | -13 | -27 | -28 | -22 | 65 | 72 | -16 |
| 363 | 41 | 20 | -10 | -8 | -22 | -9 | -28 | -28 | -22 | 65 | 72 | -16 |
| 364 | 41 | 40 | -8 | -4 | -20 | -8 | -28 | -28 | -23 | 65 | 72 | -16 |
| 365 | 42 | 0 | -6 | -3 | -22 | -6 | -28 | -28 | -22 | 65 | 72 | -16 |
| 366 | 42 | 20 | -3 | -0 | -20 | -5 | -28 | -28 | -23 | 66 | 72 | -16 |

| 4-01 SHEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PLT WINDSHO INSIDE LOWER CENTER DEG.C | 4-06 CO-PLT WINDSHO INSIDE UPPER R/H DEG.C | 4-07 CENTER PANEL WINDSHO INSIDE LNR C DEG.C | 4-08 CENTER PANEL WINDSHO INSIDE UPR C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 (COLL. /YAM CHAN) DEG.C |
|------------------------|----------------------|----------------------|---|--|--|--|--|---|---|--|---|--|
| 367 | 42 | 40 | -1 | -1 | -19 | -3 | -28 | -28 | -23 | 66 | 72 | -16 |
| 368 | 43 | 0 | 0 | 0 | -22 | -4 | -29 | -29 | -23 | 66 | 73 | -16 |
| 369 | 43 | 20 | 2 | 0 | -22 | -3 | -29 | -29 | -23 | 66 | 72 | -16 |
| 370 | 43 | 40 | 3 | 1 | -19 | -2 | -29 | -29 | -23 | 66 | 73 | -16 |
| 371 | 44 | 0 | 3 | 2 | -21 | -0 | -28 | -28 | -23 | 66 | 73 | -16 |
| 372 | 44 | 20 | 6 | 3 | -20 | 0 | -29 | -28 | -23 | 66 | 73 | -16 |
| 373 | 44 | 40 | 7 | 4 | -20 | 0 | -29 | -29 | -23 | 65 | 73 | -16 |
| 374 | 45 | 0 | 7 | 4 | -19 | 0 | -28 | -29 | -23 | 67 | 73 | -15 |
| 375 | 45 | 20 | 10 | 5 | -17 | 2 | -28 | -28 | -22 | 67 | 74 | -15 |
| 376 | 45 | 40 | 11 | 7 | -17 | 4 | -28 | -28 | -22 | 67 | 74 | -15 |
| 377 | 46 | 0 | 11 | 7 | -16 | 2 | -28 | -28 | -22 | 67 | 74 | -15 |
| 378 | 46 | 20 | 11 | 6 | -19 | 3 | -28 | -28 | -22 | 67 | 75 | -15 |
| 379 | 46 | 40 | 13 | 8 | -17 | 4 | -28 | -28 | -22 | 68 | 75 | -15 |
| 380 | 47 | 0 | 13 | 8 | -16 | 3 | -28 | -28 | -22 | 68 | 75 | -14 |
| 381 | 47 | 20 | 12 | 10 | -18 | 5 | -28 | -28 | -22 | 68 | 75 | -14 |
| 382 | 47 | 40 | 14 | 11 | -16 | 5 | -28 | -28 | -22 | 68 | 75 | -14 |
| 383 | 48 | 0 | 15 | 11 | -14 | 8 | -27 | -28 | -22 | 68 | 75 | -14 |
| 384 | 48 | 21 | 15 | 11 | -16 | 8 | -28 | -28 | -22 | 68 | 75 | -14 |
| 385 | 48 | 41 | 15 | 11 | -15 | 10 | -27 | -27 | -22 | 69 | 75 | -14 |
| 386 | 49 | 1 | 16 | 11 | -12 | 10 | -27 | -27 | -22 | 68 | 75 | -14 |
| 387 | 49 | 21 | 18 | 13 | -12 | 11 | -28 | -27 | -22 | 68 | 75 | -14 |
| 388 | 49 | 41 | 18 | 14 | -15 | 11 | -27 | -27 | -22 | 69 | 75 | -14 |
| 389 | 50 | 1 | 19 | 14 | -11 | 12 | -27 | -27 | -21 | 69 | 76 | -13 |
| 390 | 50 | 21 | 19 | 14 | -13 | 13 | -27 | -27 | -22 | 69 | 75 | -13 |
| 391 | 50 | 41 | 19 | 17 | -14 | 13 | -27 | -27 | -22 | 69 | 75 | -13 |
| 392 | 51 | 2 | 18 | 14 | -10 | 14 | -26 | -27 | -22 | 69 | 76 | -13 |
| 393 | 51 | 22 | 19 | 9 | -10 | 10 | -27 | -27 | -22 | 69 | 76 | -12 |
| 394 | 51 | 42 | 19 | 16 | -12 | 10 | -26 | -27 | -22 | 70 | 76 | -12 |
| 395 | 52 | 2 | 21 | 18 | -14 | 10 | -26 | -26 | -22 | 70 | 78 | -12 |
| 396 | 52 | 22 | 25 | 9 | -12 | 9 | -26 | -27 | -22 | 67 | 78 | -12 |
| 397 | 52 | 42 | 25 | 22 | -9 | 13 | -26 | -27 | -22 | 67 | 78 | -12 |
| 398 | 53 | 2 | 26 | 25 | -9 | 17 | -26 | -27 | -22 | 66 | 73 | -12 |
| 399 | 53 | 22 | 27 | 27 | -8 | 14 | -27 | -27 | -22 | 64 | 74 | -13 |
| 400 | 53 | 42 | 28 | 27 | -10 | 12 | -26 | -26 | -22 | 55 | 68 | -2 |
| 401 | 54 | 3 | 29 | 29 | -9 | 15 | -26 | -26 | -22 | 49 | 63 | 9 |
| 402 | 54 | 23 | 28 | 32 | -11 | 17 | -26 | -26 | -21 | 46 | 68 | 14 |
| 403 | 54 | 43 | 27 | 36 | -11 | 19 | -26 | -26 | -21 | 58 | 58 | 14 |
| 404 | 55 | 3 | 29 | 31 | -8 | 14 | -26 | -26 | -20 | 43 | 55 | 20 |
| 405 | 55 | 23 | 29 | 34 | -12 | 12 | -26 | -26 | -21 | 43 | 53 | 25 |
| 406 | 55 | 43 | 29 | 31 | -7 | 17 | -26 | -26 | -21 | 41 | 52 | 28 |
| 407 | 56 | 4 | 29 | 35 | -10 | 12 | -26 | -26 | -20 | 51 | 32 | 32 |
| 408 | 56 | 24 | 30 | 34 | -11 | 13 | -26 | -26 | -20 | 41 | 50 | 34 |
| 409 | 56 | 44 | 31 | 34 | -10 | 15 | -26 | -26 | -20 | 41 | 50 | 36 |
| 410 | 57 | 4 | 31 | 34 | -9 | 15 | -25 | -26 | -20 | 41 | 49 | 33 |
| 411 | 57 | 24 | 30 | 33 | -10 | 16 | -26 | -26 | -19 | 41 | 49 | 39 |
| 412 | 57 | 44 | 31 | 34 | -8 | 16 | -26 | -26 | -19 | 40 | 49 | 40 |
| 413 | 58 | 4 | 33 | 36 | -7 | 15 | -22 | -22 | -20 | 39 | 48 | 42 |
| 414 | 58 | 24 | 33 | 35 | -6 | 17 | -26 | -26 | -20 | 40 | 48 | 48 |
| 415 | 58 | 44 | 34 | 38 | -5 | 15 | -26 | -26 | -20 | 43 | 47 | 39 |
| 416 | 59 | 4 | 35 | 37 | -8 | 18 | -26 | -26 | -21 | 40 | 49 | 42 |

| SNIP COUNT | 4-12 TIME MIN. | 4-13 TIME SEC. | 4-05 CO-PLT WINDSH INSIDE LOWER CENTER DEG.C | 4-06 CO-PLT WINDSH INSIDE UPPER R H DEG.C | 4-07 CENTER PANEL WINDSH INSIDE LMR C DEG.C | 4-08 CENTER PANEL WINDSH INSIDE UPR C DEG.C | 4-09 1STAGE PUMP INLET WIND. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET WIND. TEMP DEG.C | 4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET WIND. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C |
|---------------|----------------------|----------------------|--|---|---|---|---|--|---|---|---|--|
| 417 | 59 | 24 | 36 | 33 | -4 | 18 | -10 | -7 | -21 | 39 | 46 | 43 |
| 418 | 59 | 44 | 34 | 36 | -6 | 18 | -12 | -10 | -22 | 38 | 44 | 42 |
| 419 | 60 | 4 | 35 | 37 | -3 | 19 | -11 | -4 | -22 | 36 | 41 | 41 |
| 420 | 60 | 25 | 35 | 35 | -6 | 24 | -10 | 2 | -22 | 35 | 39 | 41 |
| 421 | 60 | 45 | 35 | 37 | -1 | 20 | -8 | 7 | -21 | 34 | 38 | 40 |
| 422 | 61 | 5 | 34 | 36 | -0 | 19 | -6 | 9 | -28 | 33 | 36 | 39 |
| 423 | 61 | 25 | 34 | 35 | -1 | 14 | -5 | 12 | -20 | 32 | 34 | 38 |
| 424 | 61 | 45 | 34 | 36 | -0 | 18 | -3 | 15 | -20 | 32 | 34 | 38 |
| 425 | 62 | 5 | 34 | 36 | 0 | 19 | -2 | 17 | -19 | 31 | 34 | 38 |
| 426 | 62 | 25 | 34 | 37 | 0 | 14 | -2 | 18 | -17 | 31 | 34 | 38 |
| 427 | 62 | 46 | 36 | 38 | 1 | 20 | 0 | 20 | -15 | 31 | 34 | 38 |
| 428 | 63 | 6 | 34 | 36 | 2 | 14 | 4 | 21 | -14 | 33 | 37 | 37 |
| 429 | 63 | 26 | 36 | 38 | 3 | 17 | 4 | 22 | -13 | 30 | 32 | 36 |
| 430 | 63 | 46 | 36 | 38 | 4 | 18 | 5 | 22 | -13 | 30 | 32 | 36 |
| 431 | 64 | 6 | 34 | 36 | 3 | 15 | 5 | 23 | -13 | 29 | 31 | 35 |
| 432 | 64 | 26 | 35 | 38 | 4 | 19 | 7 | 24 | -12 | 29 | 31 | 34 |
| 433 | 64 | 46 | 37 | 39 | 6 | 21 | 8 | 24 | -12 | 30 | 31 | 34 |
| 434 | 65 | 6 | 34 | 37 | 6 | 15 | 9 | 25 | -12 | 29 | 30 | 34 |
| 435 | 65 | 26 | 38 | 39 | 7 | 22 | 11 | 25 | -12 | 29 | 29 | 33 |
| 436 | 65 | 45 | 36 | 38 | 8 | 20 | 10 | 26 | -11 | 29 | 30 | 33 |
| 437 | 66 | 6 | 35 | 38 | 8 | 19 | 10 | 26 | -12 | 28 | 29 | 33 |
| 438 | 66 | 26 | 37 | 40 | 9 | 25 | 11 | 27 | -12 | 29 | 30 | 32 |
| 439 | 66 | 46 | 35 | 37 | 9 | 19 | 11 | 27 | -12 | 28 | 29 | 32 |
| 440 | 67 | 6 | 37 | 40 | 9 | 22 | 12 | 27 | -11 | 28 | 29 | 32 |
| 441 | 67 | 26 | 36 | 38 | 10 | 23 | 12 | 28 | -12 | 28 | 29 | 32 |
| 442 | 67 | 46 | 36 | 38 | 11 | 18 | 11 | 28 | -12 | 28 | 29 | 32 |
| 443 | 68 | 6 | 38 | 41 | 12 | 25 | 12 | 28 | -12 | 28 | 29 | 32 |
| 444 | 68 | 26 | 37 | 39 | 13 | 19 | 12 | 28 | -12 | 29 | 30 | 32 |
| 445 | 68 | 46 | 39 | 42 | 14 | 25 | 13 | 28 | -12 | 28 | 30 | 32 |
| 446 | 69 | 7 | 38 | 41 | 13 | 25 | 13 | 28 | -12 | 28 | 31 | 32 |
| 447 | 69 | 27 | 36 | 38 | 14 | 19 | 13 | 28 | -11 | 29 | 31 | 32 |
| 448 | 69 | 47 | 38 | 41 | 15 | 24 | 13 | 29 | -10 | 29 | 31 | 32 |
| 449 | 70 | 7 | 37 | 39 | 15 | 23 | 13 | 29 | -11 | 28 | 31 | 32 |
| 450 | 70 | 27 | 38 | 42 | 15 | 24 | 14 | 29 | -11 | 28 | 32 | 32 |
| 451 | 70 | 47 | 39 | 42 | 15 | 26 | 14 | 29 | -16 | 29 | 32 | 32 |
| 452 | 71 | 7 | 38 | 40 | 16 | 21 | 14 | 29 | -11 | 29 | 32 | 32 |
| 453 | 71 | 27 | 39 | 41 | 17 | 25 | 14 | 29 | -10 | 28 | 32 | 32 |
| 454 | 71 | 47 | 37 | 39 | 18 | 22 | 14 | 29 | -10 | 28 | 32 | 31 |
| 455 | 71 | 7 | 39 | 41 | 17 | 25 | 14 | 29 | -11 | 28 | 32 | 31 |
| 456 | 72 | 27 | 37 | 39 | 18 | 24 | 14 | 29 | -10 | 28 | 32 | 31 |
| 457 | 72 | 48 | 30 | 32 | 19 | 18 | 15 | 29 | -10 | 29 | 31 | 31 |
| 458 | 73 | 8 | 30 | 33 | 18 | 23 | 14 | 29 | -10 | 29 | 32 | 31 |
| 459 | 73 | 28 | 30 | 33 | 19 | 22 | 15 | 30 | -10 | 29 | 32 | 31 |
| 460 | 74 | 48 | 31 | 34 | 19 | 21 | 15 | 30 | -10 | 29 | 32 | 31 |
| 461 | 74 | 8 | 33 | 37 | 19 | 24 | 15 | 29 | -10 | 28 | 32 | 31 |
| 462 | 74 | 28 | 35 | 37 | 21 | 23 | 15 | 30 | -9 | 29 | 31 | 31 |
| 463 | 74 | 49 | 34 | 36 | 21 | 21 | 15 | 31 | -8 | 29 | 32 | 31 |
| 464 | 75 | 5 | 34 | 37 | 21 | 25 | 15 | 30 | -9 | 29 | 32 | 31 |
| 465 | 75 | 29 | 29 | 33 | 22 | 22 | 15 | 31 | -9 | 29 | 32 | 31 |
| 466 | 75 | 49 | 28 | 32 | 21 | 18 | 15 | 31 | -8 | 30 | 34 | 31 |

| SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-15 CC-D-T WINDSHD INSIDE LOWER CENTER DEG.C | 4-06 CC-D-T WINDSHD INSIDE UPPER R H DEG.C | 4-07 CENTER PANEL WINDSHD INSIDE LWR C DEG.C | 4-08 CENTER PANEL WINDSHD INSIDE UPR C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFOS 1 (COLL. /VAH CHAN) TEMP DEG.C |
|----------------|----------------------|----------------------|---|--|--|--|--|---|---|--|---|--|
| 467 | 76 | 9 | 32 | 35 | 22 | 22 | 15 | 31 | -8 | 29 | 34 | 31 |
| 468 | 76 | 29 | 31 | 34 | 23 | 20 | 16 | 31 | -7 | 30 | 35 | 31 |
| 469 | 76 | 50 | 31 | 34 | 23 | 20 | 17 | 32 | -5 | 31 | 35 | 32 |
| 470 | 77 | 10 | 29 | 32 | 23 | 21 | 16 | 32 | -6 | 31 | 35 | 32 |
| 471 | 77 | 30 | 29 | 32 | 23 | 17 | 17 | 32 | -5 | 32 | 36 | 32 |
| 472 | 77 | 50 | 31 | 34 | 24 | 22 | 18 | 31 | -5 | 32 | 35 | 32 |
| 473 | 78 | 10 | 30 | 34 | 24 | 23 | 16 | 32 | -5 | 32 | 36 | 32 |
| 474 | 78 | 31 | 28 | 31 | 24 | 18 | 17 | 32 | -5 | 33 | 36 | 33 |
| 475 | 78 | 51 | 28 | 31 | 24 | 23 | 17 | 33 | -6 | 33 | 36 | 33 |
| 476 | 79 | 11 | 27 | 32 | 24 | 23 | 17 | 32 | -5 | 33 | 36 | 34 |
| 477 | 79 | 31 | 25 | 30 | 24 | 17 | 17 | 32 | -6 | 33 | 37 | 35 |
| 478 | 79 | 51 | 26 | 31 | 24 | 17 | 17 | 31 | -6 | 33 | 36 | 35 |
| 479 | 80 | 12 | 24 | 28 | 23 | 17 | 17 | 32 | -4 | 33 | 37 | 35 |
| 480 | 80 | 32 | 25 | 30 | 22 | 22 | 17 | 32 | -5 | 33 | 36 | 34 |
| 481 | 80 | 52 | 22 | 27 | 24 | 15 | 18 | 32 | -5 | 33 | 36 | 34 |
| 482 | 81 | 13 | 24 | 30 | 23 | 15 | 17 | 32 | -6 | 33 | 36 | 34 |
| 483 | 81 | 33 | 24 | 30 | 23 | 21 | 17 | 32 | -4 | 33 | 36 | 35 |
| 484 | 81 | 53 | 21 | 26 | 24 | 16 | 17 | 32 | -4 | 34 | 36 | 35 |
| 485 | 82 | 13 | 22 | 29 | 24 | 21 | 17 | 31 | -5 | 33 | 37 | 34 |
| 486 | 82 | 34 | 22 | 28 | 24 | 21 | 17 | 31 | -4 | 33 | 37 | 33 |
| 487 | 82 | 54 | 18 | 24 | 23 | 18 | 17 | 32 | -4 | 32 | 36 | 36 |
| 488 | 83 | 14 | 17 | 23 | 24 | 14 | 17 | 31 | -4 | 31 | 36 | 31 |
| 489 | 83 | 35 | 15 | 21 | 24 | 14 | 16 | 31 | -5 | 30 | 34 | 29 |
| 490 | 83 | 55 | 17 | 23 | 24 | 18 | 16 | 30 | -5 | 29 | 34 | 28 |
| 491 | 84 | 15 | 15 | 23 | 22 | 16 | 16 | 30 | -4 | 29 | 33 | 27 |
| 492 | 84 | 35 | 14 | 22 | 22 | 14 | 16 | 30 | -5 | 28 | 33 | 27 |
| 493 | 84 | 55 | 12 | 19 | 22 | 12 | 16 | 31 | -5 | 28 | 33 | 25 |
| 494 | 85 | 16 | 11 | 19 | 22 | 12 | 16 | 30 | -5 | 27 | 32 | 24 |
| 495 | 85 | 36 | 12 | 21 | 22 | 17 | 16 | 30 | -5 | 27 | 32 | 24 |
| 496 | 85 | 56 | 11 | 19 | 22 | 13 | 16 | 31 | -5 | 27 | 33 | 23 |
| 497 | 86 | 17 | 8 | 17 | 22 | 11 | 15 | 30 | -4 | 26 | 33 | 22 |
| 498 | 86 | 37 | 8 | 18 | 22 | 10 | 15 | 30 | -6 | 26 | 31 | 21 |
| 499 | 86 | 57 | 6 | 17 | 21 | 13 | 15 | 33 | -5 | 25 | 30 | 20 |
| 500 | 87 | 17 | 6 | 16 | 21 | 9 | 15 | 30 | -6 | 25 | 30 | 20 |
| 501 | 87 | 38 | 6 | 15 | 19 | 9 | 15 | 29 | -5 | 24 | 29 | 20 |
| 502 | 87 | 58 | 5 | 15 | 19 | 8 | 14 | 29 | -7 | 23 | 28 | 19 |
| 503 | 88 | 18 | 4 | 14 | 20 | 9 | 14 | 29 | -7 | 23 | 29 | 18 |
| 504 | 88 | 39 | 6 | 17 | 19 | 13 | 14 | 28 | -7 | 22 | 28 | 17 |
| 505 | 88 | 59 | 4 | 14 | 19 | 8 | 12 | 28 | -8 | 22 | 27 | 17 |
| 506 | 89 | 19 | 3 | 13 | 20 | 8 | 12 | 28 | -8 | 21 | 27 | 17 |
| 507 | 89 | 40 | 3 | 14 | 19 | 11 | 12 | 28 | -8 | 21 | 27 | 15 |
| 508 | 90 | 0 | 1 | 12 | 19 | 16 | 12 | 27 | -7 | 21 | 27 | 16 |
| 509 | 90 | 20 | 1 | 15 | 19 | 7 | 12 | 28 | -7 | 21 | 27 | 15 |
| 510 | 90 | 41 | 2 | 13 | 19 | 9 | 12 | 28 | -7 | 21 | 27 | 15 |
| 511 | 91 | 1 | 1 | 11 | 18 | 5 | 12 | 28 | -6 | 21 | 27 | 16 |
| 512 | 91 | 21 | 1 | 12 | 18 | 4 | 12 | 27 | -6 | 21 | 26 | 15 |
| 513 | 91 | 42 | 0 | 11 | 17 | 5 | 12 | 27 | -7 | 20 | 26 | 14 |
| 514 | 92 | 2 | 0 | 9 | 17 | 7 | 11 | 26 | -7 | 19 | 25 | 14 |
| 515 | 92 | 23 | 0 | 11 | 17 | 7 | 11 | 26 | -8 | 19 | 24 | 14 |
| 516 | 92 | 43 | 0 | 11 | 15 | 7 | 11 | 26 | -8 | 19 | 25 | 13 |

| 4-01 SHELF COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PLY WINDSHD INSIDE LOWER CENTER DEG.C | 4-06 CO-PLY WINDSHD INSIDE UPPER R H DEG.C | 4-07 CENTER PANEL WINDSHD INSIDE LWR C DEG.C | 4-08 CENTER PANEL WINDSHD INSIDE UPR C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE AFT HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C |
|------------------------|----------------------|----------------------|---|--|--|--|--|---|--|--|---|--|
| 517 | 93 | 4 | 0 | 9 | 15 | 4 | 11 | 26 | -6 | 19 | 24 | 13 |
| 518 | 93 | 45 | 0 | 11 | 14 | 6 | 11 | 26 | -8 | 19 | 24 | 13 |
| 519 | 95 | 28 | -0 | 9 | 14 | 5 | 11 | 25 | -7 | 16 | 24 | 14 |
| 520 | 96 | 5 | -2 | 9 | 15 | 2 | 11 | 26 | -6 | 18 | 24 | 13 |
| 521 | 96 | 26 | -1 | 8 | 14 | 1 | 11 | 26 | -6 | 18 | 23 | 13 |
| 522 | 96 | 45 | -1 | 9 | 14 | 5 | 11 | 25 | -6 | 18 | 23 | 13 |
| 523 | 97 | 7 | -2 | 7 | 13 | 1 | 11 | 26 | -6 | 18 | 24 | 14 |
| 524 | 97 | 28 | -2 | 8 | 13 | 2 | 12 | 27 | -6 | 18 | 24 | 14 |
| 525 | 97 | 48 | -2 | 8 | 11 | 5 | 11 | 25 | -7 | 17 | 22 | 13 |
| 526 | 98 | 9 | -2 | 8 | 11 | 1 | 11 | 25 | -7 | 17 | 23 | 13 |
| 527 | 98 | 29 | -2 | 7 | 11 | 1 | 11 | 26 | -7 | 18 | 23 | 14 |
| 528 | 98 | 58 | -2 | 8 | 11 | 4 | 11 | 25 | -8 | 17 | 23 | 14 |
| 529 | 99 | 11 | -2 | 8 | 11 | 1 | 11 | 26 | -7 | 18 | 23 | 14 |
| 530 | 99 | 31 | -2 | 8 | 11 | 1 | 11 | 25 | -7 | 18 | 24 | 14 |
| 531 | 99 | 51 | -2 | 8 | 10 | 4 | 11 | 25 | -8 | 17 | 23 | 14 |
| 532 | 100 | 12 | -3 | 8 | 10 | 0 | 11 | 25 | -8 | 18 | 23 | 14 |
| 533 | 100 | 33 | -2 | 8 | 9 | 3 | 10 | 26 | -8 | 18 | 23 | 13 |
| 534 | 100 | 53 | -3 | 7 | 11 | 0 | 10 | 25 | -10 | 16 | 22 | 14 |
| 535 | 101 | 14 | -3 | 7 | 11 | 3 | 9 | 24 | -12 | 15 | 21 | 13 |
| 536 | 101 | 34 | -5 | 6 | 10 | 0 | 6 | 24 | -14 | 15 | 21 | 13 |
| 537 | 101 | 55 | -4 | 6 | 11 | -1 | 8 | 24 | -14 | 16 | 21 | 12 |
| 538 | 102 | 15 | -4 | 6 | 11 | 2 | 7 | 22 | -15 | 15 | 19 | 11 |
| 539 | 102 | 36 | -6 | 5 | 10 | -2 | 7 | 22 | -15 | 14 | 19 | 11 |
| 540 | 102 | 56 | -5 | 5 | 9 | 1 | 7 | 21 | -17 | 14 | 19 | 11 |
| 541 | 103 | 17 | -6 | 5 | 8 | -2 | 5 | 21 | -17 | 14 | 19 | 11 |
| 542 | 103 | 37 | -5 | 7 | 9 | 2 | 5 | 21 | -17 | 14 | 19 | 11 |
| 543 | 103 | 58 | -6 | 5 | 9 | 0 | 5 | 20 | -18 | 13 | 18 | 9 |
| 544 | 104 | 18 | -7 | 5 | 8 | 8 | 4 | 20 | -18 | 13 | 18 | 9 |
| 545 | 104 | 39 | -6 | 6 | 8 | -1 | 4 | 20 | -18 | 13 | 18 | 9 |
| 546 | 104 | 59 | -7 | 3 | 8 | -1 | 4 | 20 | -18 | 12 | 18 | 8 |
| 547 | 105 | 20 | -8 | 4 | 8 | -2 | 3 | 20 | -18 | 12 | 18 | 8 |
| 548 | 105 | 40 | -8 | 4 | 8 | -2 | 3 | 21 | -18 | 12 | 18 | 8 |
| 549 | 106 | 1 | -8 | 4 | 8 | -2 | 3 | 20 | -18 | 12 | 18 | 8 |
| 550 | 106 | 21 | -8 | 5 | 7 | -2 | 4 | 20 | -17 | 12 | 18 | 8 |
| 551 | 106 | 42 | -8 | 4 | 7 | -2 | 4 | 20 | -17 | 12 | 18 | 8 |
| 552 | 107 | 2 | -8 | 3 | 5 | -3 | 3 | 20 | -17 | 13 | 18 | 8 |
| 553 | 107 | 23 | -9 | 3 | 6 | 1 | 2 | 19 | -18 | 11 | 17 | 8 |
| 554 | 107 | 43 | -8 | 3 | 5 | -3 | 3 | 20 | -17 | 13 | 18 | 8 |
| 555 | 108 | 4 | -10 | 3 | 6 | -3 | 3 | 20 | -17 | 12 | 17 | 8 |
| 556 | 108 | 24 | -10 | 3 | 6 | -3 | 4 | 20 | -18 | 12 | 17 | 8 |
| 557 | 108 | 45 | -10 | 2 | 5 | -3 | 3 | 21 | -18 | 12 | 17 | 8 |
| 558 | 109 | 5 | -10 | 2 | 4 | -5 | 2 | 20 | -18 | 12 | 17 | 8 |
| 559 | 109 | 25 | -9 | 2 | 5 | -3 | 3 | 19 | -18 | 11 | 17 | 8 |
| 560 | 109 | 46 | -9 | 2 | 5 | -3 | 3 | 20 | -18 | 11 | 17 | 8 |
| 561 | 110 | 6 | -10 | 2 | 5 | -4 | 2 | 20 | -18 | 11 | 17 | 7 |
| 562 | 110 | 27 | -10 | 2 | 4 | -4 | 0 | 20 | -19 | 11 | 16 | 7 |
| 563 | 110 | 47 | -10 | 2 | 4 | -5 | 0 | 19 | -19 | 11 | 16 | 7 |
| 564 | 111 | 8 | -10 | 2 | 5 | -5 | 0 | 19 | -19 | 11 | 16 | 7 |
| 565 | 111 | 28 | -11 | 1 | 6 | -5 | -0 | 19 | -19 | 11 | 16 | 6 |
| 566 | 111 | 49 | -11 | 1 | 5 | -5 | -0 | 28 | -18 | 11 | 16 | 7 |
| | | | | | | | | 19 | -19 | 11 | 17 | 7 |

| SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PLT MNSHDO INSIDE LOWER CENTER DEG.C | 4-06 CO-PLT MNSHDO INSIDE UPPER R H DEG.C | 4-07 CENTER PANEL MNSHDO INSIDE LMR C DEG.C | 4-08 CENTER PANEL MNSHDO INSIDE UPR C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE ACT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 (COLL. /YAN) CHAN) DEG.C |
|----------------|----------------------|----------------------|--|---|---|---|--|---|---|--|---|---|
| 567 | 112 | 9 | -10 | 2 | 4 | -5 | 0 | 19 | -18 | 11 | 16 | 7 |
| 568 | 112 | 30 | -10 | 3 | 4 | -1 | 0 | 18 | -19 | 11 | 17 | 7 |
| 569 | 112 | 50 | -11 | 2 | 3 | -5 | 1 | 19 | -18 | 12 | 17 | 7 |
| 570 | 113 | 11 | -10 | 1 | 3 | -2 | 0 | 18 | -19 | 11 | 15 | 6 |
| 571 | 113 | 31 | -11 | 1 | 4 | -6 | 1 | 19 | -20 | 11 | 15 | 7 |
| 572 | 113 | 51 | -10 | 1 | 3 | -6 | 1 | 18 | -20 | 11 | 16 | 7 |
| 573 | 114 | 12 | -11 | 0 | 2 | -6 | 1 | 19 | -19 | 11 | 16 | 7 |
| 574 | 114 | 32 | -11 | 0 | 1 | -5 | 0 | 18 | -20 | 9 | 16 | 5 |
| 575 | 114 | 52 | -11 | 0 | 2 | -6 | 0 | 19 | -19 | 11 | 16 | 7 |
| 576 | 115 | 13 | -11 | 1 | 2 | -5 | 2 | 18 | -19 | 11 | 17 | 6 |
| 577 | 115 | 33 | -11 | 1 | 1 | -5 | 0 | 18 | -18 | 11 | 16 | 5 |
| 578 | 115 | 54 | -11 | 0 | 1 | -6 | 1 | 18 | -20 | 11 | 16 | 5 |
| 579 | 116 | 14 | -12 | 0 | 0 | -2 | 0 | 17 | -20 | 9 | 16 | 5 |
| 580 | 116 | 34 | -12 | 0 | 0 | -4 | 0 | 18 | -19 | 18 | 16 | 5 |
| 581 | 116 | 55 | -11 | 0 | 0 | -2 | 0 | 17 | -20 | 9 | 15 | 5 |
| 582 | 117 | 15 | -11 | 0 | 0 | -6 | 1 | 19 | -19 | 11 | 16 | 6 |
| 583 | 117 | 35 | -12 | 0 | 0 | -3 | 1 | 17 | -20 | 10 | 15 | 5 |
| 584 | 117 | 56 | -12 | 0 | 1 | -6 | 3 | 18 | -19 | 11 | 17 | 7 |
| 585 | 118 | 16 | -11 | 2 | 0 | -0 | 2 | 17 | -19 | 10 | 16 | 5 |
| 586 | 118 | 36 | -12 | 0 | 0 | -5 | 2 | 19 | -18 | 11 | 16 | 6 |
| 587 | 118 | 57 | -11 | 0 | 2 | -5 | 2 | 19 | -18 | 11 | 17 | 7 |
| 588 | 119 | 17 | -12 | 0 | 1 | -5 | 1 | 10 | -18 | 11 | 16 | 6 |
| 589 | 119 | 38 | -11 | 0 | 0 | -3 | 1 | 18 | -19 | 18 | 15 | 5 |
| 590 | 119 | 58 | -12 | 0 | 1 | -6 | 1 | 18 | -18 | 10 | 15 | 5 |
| 591 | 120 | 18 | -11 | 0 | -0 | -2 | 0 | 17 | -19 | 9 | 15 | 4 |
| 592 | 120 | 39 | -12 | -1 | 0 | -6 | 1 | 18 | -18 | 10 | 16 | 5 |
| 593 | 120 | 59 | -13 | 0 | 0 | -6 | 1 | 18 | -19 | 10 | 16 | 5 |
| 594 | 121 | 20 | -12 | 0 | 0 | -4 | 0 | 16 | -20 | 9 | 16 | 6 |
| 595 | 121 | 40 | -12 | -1 | 1 | -7 | 0 | 16 | -19 | 11 | 16 | 6 |
| 596 | 122 | 0 | -12 | -1 | 0 | -7 | 1 | 18 | -18 | 11 | 15 | 6 |
| 597 | 122 | 20 | -13 | -0 | 0 | -5 | 1 | 17 | -18 | 11 | 16 | 5 |
| 598 | 122 | 41 | -12 | -0 | 0 | -7 | 1 | 18 | -19 | 11 | 16 | 6 |
| 599 | 123 | 1 | -12 | -0 | 0 | -7 | 2 | 18 | -19 | 17 | 16 | 6 |
| 0 | 123 | 42 | -12 | -1 | 1 | -7 | 2 | 19 | -18 | 11 | 16 | 6 |
| 601 | 124 | 2 | -12 | -1 | 0 | -7 | 2 | 19 | -18 | 18 | 15 | 7 |
| 602 | 124 | 22 | -10 | 0 | 0 | -2 | 2 | 18 | -18 | 10 | 15 | 7 |
| 603 | 124 | 43 | -11 | 0 | -1 | -1 | 3 | 19 | -18 | 10 | 15 | 7 |
| 604 | 125 | 3 | -12 | 0 | -0 | -6 | 3 | 20 | -16 | 11 | 17 | 7 |
| 605 | 125 | 23 | -12 | 0 | 0 | -5 | 5 | 20 | -14 | 12 | 18 | 7 |
| 606 | 125 | 44 | -12 | 0 | -0 | -3 | 5 | 20 | -14 | 11 | 18 | 7 |
| 607 | 126 | 4 | -10 | 1 | -0 | -3 | 5 | 21 | -13 | 12 | 18 | 7 |
| 608 | 126 | 24 | -11 | 0 | 0 | -6 | 7 | 22 | -11 | 12 | 19 | 8 |
| 609 | 126 | 45 | -10 | 1 | 0 | -3 | 8 | 23 | -11 | 13 | 19 | 9 |
| 610 | 127 | 5 | -11 | -0 | 0 | -4 | 8 | 24 | -9 | 14 | 19 | 9 |
| 611 | 127 | 25 | -11 | 0 | -0 | -2 | 8 | 22 | -10 | 12 | 19 | 9 |
| 612 | 127 | 46 | -10 | 0 | 0 | -4 | 9 | 23 | -9 | 13 | 20 | 9 |
| 613 | 128 | 6 | -10 | 0 | 0 | -4 | 9 | 24 | -8 | 14 | 20 | 11 |
| 614 | 128 | 27 | -10 | 0 | -0 | -2 | 10 | 22 | -8 | 13 | 19 | 9 |
| 615 | 129 | 47 | -10 | -1 | -1 | -6 | 9 | 25 | -8 | 15 | 21 | 11 |
| 616 | 129 | 7 | -10 | 1 | 0 | -6 | 9 | 24 | -8 | 14 | 21 | 11 |

| SLEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 | | 4-06 | | 4-07 | | 4-08 | | 4-09 | | 4-10 | | 4-11 | | 4-12 | | 4-14 | | 4-15 | |
|----------------|----------------------|----------------------|--|---|---|---|--|---|---|--|---|--|------|--|------|--|------|--|------|--|------|--|
| | | | CO-PLT WINDSH INSIDE LOWER CENTER DEG.C | CO-PLT WINDSH INSIDE UPPER R H DEG.C | CENTER PANEL WINDSH INSIDE LWR C DEG.C | CENTER PANEL WINDSH INSIDE UPR C DEG.C | 1STAGE PUMP INLET HYD. TEMP DEG.C | 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 1STAGE AFT SERVO HYD IN TEMP DEG.C | 2STAGE PUMP INLET HYD. TEMP DEG.C | 2STAGE AFT SERVO HYD IN TEMP DEG.C | 2STAGE AFCS 1 (COLL. /VAM CHAM) DEG.C | | | | | | | | | | |
| 617 | 129 | 28 | -9 | 1 | -1 | -0 | 9 | 23 | -8 | 14 | 20 | 11 | | | | | | | | | | |
| 618 | 129 | 48 | -8 | 2 | -2 | -1 | 11 | 24 | -8 | 14 | 21 | 11 | | | | | | | | | | |
| 619 | 130 | 8 | -10 | 0 | -2 | -5 | 9 | 24 | -9 | 21 | 21 | 11 | | | | | | | | | | |
| 620 | 130 | 28 | -8 | 0 | -1 | -5 | 11 | 25 | -8 | 22 | 22 | 12 | | | | | | | | | | |
| 621 | 130 | 48 | -8 | 1 | -1 | -0 | 11 | 25 | -10 | 21 | 12 | 12 | | | | | | | | | | |
| 622 | 131 | 9 | -8 | 1 | 0 | -0 | 18 | 24 | -11 | 21 | 13 | 13 | | | | | | | | | | |
| 623 | 131 | 29 | -6 | 4 | 0 | -1 | 12 | 25 | -11 | 21 | 15 | 15 | | | | | | | | | | |
| 624 | 131 | 49 | -7 | 5 | 0 | -1 | 12 | 25 | -12 | 22 | 14 | 14 | | | | | | | | | | |
| 625 | 132 | 10 | -7 | 4 | 0 | -6 | 11 | 24 | -11 | 14 | 14 | 14 | | | | | | | | | | |
| 626 | 132 | 30 | -8 | 3 | 0 | -4 | 12 | 25 | -10 | 21 | 14 | 14 | | | | | | | | | | |
| 627 | 132 | 50 | -8 | 3 | 0 | -4 | 11 | 25 | -10 | 21 | 15 | 15 | | | | | | | | | | |
| 628 | 133 | 11 | -6 | 5 | -0 | 0 | 12 | 26 | -11 | 21 | 16 | 16 | | | | | | | | | | |
| 629 | 133 | 31 | -7 | 6 | -1 | 0 | 11 | 26 | -11 | 21 | 16 | 16 | | | | | | | | | | |
| 630 | 133 | 51 | -7 | 4 | -1 | -5 | 12 | 27 | -11 | 18 | 16 | 16 | | | | | | | | | | |
| 631 | 134 | 12 | -6 | 6 | -2 | -0 | 12 | 26 | -12 | 21 | 18 | 18 | | | | | | | | | | |
| 632 | 134 | 32 | -6 | 5 | -1 | -0 | 12 | 26 | -12 | 21 | 18 | 18 | | | | | | | | | | |
| 633 | 134 | 52 | -6 | 4 | 0 | -3 | 14 | 27 | -10 | 23 | 18 | 18 | | | | | | | | | | |
| 634 | 135 | 13 | -5 | 5 | -1 | 0 | 13 | 27 | -12 | 18 | 19 | 19 | | | | | | | | | | |
| 635 | 135 | 33 | -5 | 5 | -2 | 0 | 12 | 27 | -11 | 22 | 19 | 19 | | | | | | | | | | |
| 636 | 135 | 53 | -4 | 5 | 0 | -3 | 13 | 26 | -12 | 19 | 19 | 19 | | | | | | | | | | |
| 637 | 136 | 14 | -5 | 4 | 0 | -4 | 14 | 27 | -11 | 19 | 19 | 19 | | | | | | | | | | |
| 638 | 136 | 34 | -3 | 6 | 0 | -0 | 13 | 26 | -12 | 24 | 20 | 20 | | | | | | | | | | |
| 639 | 136 | 55 | -6 | 6 | 0 | -1 | 12 | 27 | -12 | 24 | 19 | 19 | | | | | | | | | | |
| 640 | 137 | 15 | -4 | 4 | 0 | -2 | 13 | 26 | -12 | 24 | 19 | 19 | | | | | | | | | | |
| 641 | 137 | 35 | -6 | 1 | 0 | -3 | 12 | 27 | -14 | 24 | 19 | 19 | | | | | | | | | | |
| 642 | 137 | 55 | -6 | 1 | 0 | -6 | 12 | 26 | -16 | 19 | 18 | 18 | | | | | | | | | | |
| 643 | 138 | 16 | -6 | 2 | 0 | 0 | 11 | 25 | -15 | 24 | 16 | 16 | | | | | | | | | | |
| 644 | 138 | 36 | -8 | 0 | 0 | -5 | 11 | 24 | -14 | 23 | 16 | 16 | | | | | | | | | | |
| 645 | 138 | 55 | -8 | 0 | -1 | -5 | 11 | 25 | -14 | 23 | 16 | 16 | | | | | | | | | | |
| 646 | 139 | 17 | -9 | 0 | -1 | -1 | 11 | 24 | -17 | 22 | 15 | 15 | | | | | | | | | | |
| 647 | 139 | 37 | -8 | 0 | -3 | -5 | 11 | 25 | -12 | 24 | 14 | 14 | | | | | | | | | | |
| 648 | 139 | 57 | -8 | 1 | -2 | -2 | 11 | 25 | -11 | 25 | 15 | 15 | | | | | | | | | | |
| 649 | 140 | 17 | -8 | 1 | 0 | -0 | 11 | 25 | -12 | 23 | 16 | 16 | | | | | | | | | | |
| 650 | 140 | 37 | -7 | 3 | -0 | 0 | 11 | 25 | -13 | 23 | 17 | 17 | | | | | | | | | | |
| 651 | 140 | 57 | -8 | 2 | 0 | -4 | 11 | 24 | -13 | 24 | 16 | 16 | | | | | | | | | | |
| 652 | 141 | 18 | -10 | 2 | 0 | -5 | 12 | 25 | -14 | 18 | 16 | 16 | | | | | | | | | | |
| 653 | 141 | 38 | -6 | 5 | 0 | 0 | 12 | 25 | -12 | 20 | 18 | 18 | | | | | | | | | | |
| 654 | 141 | 58 | -8 | 3 | -1 | -1 | 11 | 25 | -11 | 20 | 18 | 18 | | | | | | | | | | |
| 655 | 142 | 18 | -6 | 4 | -2 | 0 | 12 | 26 | -11 | 25 | 18 | 18 | | | | | | | | | | |
| 656 | 142 | 38 | -6 | 5 | -2 | 0 | 12 | 27 | -11 | 25 | 18 | 18 | | | | | | | | | | |
| 657 | 142 | 58 | -7 | 3 | -0 | -2 | 13 | 27 | -11 | 25 | 19 | 19 | | | | | | | | | | |
| 658 | 143 | 19 | -6 | 5 | 0 | -4 | 14 | 28 | -9 | 27 | 22 | 22 | | | | | | | | | | |
| 659 | 143 | 39 | -5 | 6 | 0 | 0 | 14 | 28 | -9 | 27 | 22 | 22 | | | | | | | | | | |
| 660 | 143 | 59 | -5 | 5 | -0 | 0 | 14 | 26 | -10 | 26 | 21 | 21 | | | | | | | | | | |
| 661 | 144 | 19 | -7 | 4 | 0 | -1 | 14 | 27 | -10 | 22 | 22 | 22 | | | | | | | | | | |
| 662 | 144 | 40 | -7 | 2 | 0 | -5 | 14 | 28 | -10 | 22 | 22 | 22 | | | | | | | | | | |
| 663 | 145 | 0 | -5 | 5 | -1 | 0 | 14 | 28 | -11 | 22 | 22 | 22 | | | | | | | | | | |
| 664 | 145 | 20 | -5 | 4 | -1 | -2 | 14 | 28 | -11 | 22 | 22 | 22 | | | | | | | | | | |
| 665 | 145 | 40 | -6 | 4 | -0 | -6 | 14 | 29 | -10 | 22 | 22 | 22 | | | | | | | | | | |
| 666 | 146 | 0 | -5 | 5 | -0 | -0 | 14 | 28 | -10 | 23 | 27 | 27 | | | | | | | | | | |

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PLT HNDSDH INSIDE LOWER CENTER DEG.C | 4-06 CO-PLT HNDSDH INSIDE UPPER R H DEG/C | 4-07 CENTER PANEL HNDSDH INSIDE LWR C DEG.C | 4-08 CENTER PANEL HNDSDH INSIDE UPR C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 (COLL. /YAW CHAN) DEG.C |
|-----------------------|----------------------|----------------------|--|---|---|---|--|---|---|--|---|--|
| 667 | 146 | 21 | -4 | 5 | 0 | -0 | 15 | 28 | -10 | 24 | 27 | 23 |
| 668 | 146 | 41 | -6 | 4 | 0 | -2 | 14 | 29 | -10 | 24 | 28 | 23 |
| 669 | 147 | 1 | -6 | 2 | -1 | -6 | 14 | 29 | -10 | 24 | 27 | 24 |
| 600 | 147 | 21 | -4 | 5 | -0 | 0 | 14 | 29 | -10 | 24 | 28 | 24 |
| 671 | 147 | 41 | -4 | 5 | -1 | -0 | 13 | 28 | -11 | 24 | 27 | 24 |
| 672 | 148 | 2 | -6 | 3 | -1 | -6 | 14 | 29 | -11 | 24 | 28 | 24 |
| 673 | 148 | 22 | -4 | 4 | -1 | -6 | 14 | 28 | -11 | 25 | 29 | 24 |
| 674 | 148 | 42 | -4 | 4 | -1 | -6 | 14 | 27 | -11 | 24 | 28 | 24 |
| 675 | 149 | 2 | -4 | 2 | -0 | -5 | 13 | 27 | -12 | 24 | 28 | 25 |
| 676 | 149 | 22 | -4 | 4 | -1 | 0 | 13 | 28 | -12 | 24 | 28 | 25 |
| 677 | 149 | 43 | -4 | 4 | -1 | -1 | 14 | 28 | -12 | 24 | 27 | 25 |
| 678 | 150 | 3 | -6 | 3 | -1 | -5 | 14 | 28 | -12 | 23 | 27 | 25 |
| 679 | 150 | 23 | -4 | 4 | -1 | -2 | 14 | 28 | -13 | 23 | 26 | 25 |
| 600 | 150 | 43 | -4 | 4 | -2 | -0 | 14 | 28 | -13 | 23 | 27 | 25 |
| 681 | 151 | 4 | -4 | 4 | -2 | -0 | 15 | 28 | -13 | 23 | 26 | 25 |
| 682 | 151 | 24 | -6 | 2 | -2 | -7 | 15 | 29 | -13 | 22 | 26 | 24 |
| 683 | 151 | 44 | -4 | 5 | -1 | -2 | 15 | 29 | -13 | 22 | 26 | 24 |
| 684 | 152 | 4 | -4 | 4 | -1 | -1 | 15 | 28 | -13 | 22 | 26 | 24 |
| 685 | 152 | 25 | -8 | 0 | -1 | -6 | 15 | 28 | -14 | 22 | 25 | 24 |
| 686 | 152 | 45 | -5 | 2 | -0 | -3 | 16 | 23 | -14 | 22 | 25 | 24 |
| 687 | 153 | 5 | -4 | 3 | 0 | -1 | 16 | 29 | -14 | 22 | 25 | 23 |
| 688 | 153 | 25 | -6 | 4 | -1 | -2 | 15 | 29 | -14 | 22 | 25 | 24 |
| 689 | 153 | 46 | -4 | 4 | -1 | -1 | 16 | 29 | -13 | 21 | 24 | 24 |
| 600 | 154 | 6 | -4 | 4 | -1 | -1 | 15 | 29 | -13 | 21 | 24 | 23 |
| 691 | 154 | 26 | -5 | 3 | -1 | -1 | 16 | 29 | -14 | 21 | 24 | 23 |
| 692 | 154 | 46 | -8 | 1 | -3 | -4 | 14 | 28 | -14 | 20 | 23 | 22 |
| 693 | 155 | 6 | -7 | 1 | -1 | -2 | 16 | 28 | -13 | 21 | 23 | 23 |
| 694 | 155 | 27 | -8 | 1 | -2 | -3 | 16 | 28 | -14 | 21 | 25 | 23 |
| 695 | 155 | 47 | -8 | 0 | -2 | -4 | 15 | 29 | -14 | 21 | 25 | 24 |
| 696 | 156 | 8 | -9 | 0 | -2 | -4 | 15 | 29 | -13 | 21 | 25 | 24 |
| 697 | 156 | 28 | -10 | 0 | -2 | -2 | 15 | 29 | -13 | 21 | 24 | 23 |
| 698 | 156 | 48 | -9 | -1 | -3 | -4 | 15 | 29 | -13 | 21 | 24 | 23 |
| 699 | 156 | 59 | -10 | -3 | -5 | -4 | 14 | 29 | -13 | 21 | 24 | 23 |
| 0 | 157 | 49 | -13 | -4 | -4 | -5 | 14 | 26 | -14 | 21 | 25 | 24 |
| 701 | 158 | 5 | -13 | -2 | -3 | -5 | 14 | 23 | -13 | 21 | 25 | 24 |
| 702 | 158 | 29 | -13 | -4 | -5 | -6 | 14 | 22 | -13 | 21 | 28 | 25 |
| 703 | 158 | 49 | -15 | -3 | -5 | -6 | 14 | 20 | -13 | 23 | 29 | 25 |

MH-51C S/N 58-10354
ARCTIC TEST
15 JANUARY 1971
RUN NO. 3 -40 DEG C/ -40 DEG F

| 4-01 STEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP. DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP. DEG.C | 4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C | 4-20 ROARY RUDDER 1STAGE INLET TEMP DEG.C | 4-21 ROARY RUDDER UTIL. INLET TEMP DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP. DEG.C | 4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|-----------------------|----------------------|----------------------|---|--|---|--|---|--|--|--|--|---|
| 272 | 11 | 35 | -33 | -36 | -29 | -29 | -35 | -36 | -36 | -36 | -35 | -35 |
| 273 | 11 | 54 | -33 | -36 | -20 | -20 | -36 | -36 | -36 | -36 | -34 | -34 |
| 274 | 12 | 14 | -33 | -35 | -28 | -28 | -36 | -35 | -36 | -36 | -34 | -34 |
| 275 | 12 | 33 | * | * | * | * | * | * | * | * | * | * |
| 276 | 12 | 52 | -32 | -32 | -28 | -28 | -36 | -36 | -24 | -23 | -4 | -9 |
| 277 | 13 | 12 | -32 | -26 | -28 | -28 | -36 | -29 | -21 | -21 | 0 | -6 |
| 278 | 13 | 31 | -32 | -21 | -26 | -26 | -36 | -29 | -20 | -18 | 2 | -6 |
| 279 | 13 | 51 | -32 | -20 | -28 | -28 | -36 | -29 | -18 | -17 | 5 | -6 |
| 280 | 14 | 10 | -32 | -16 | -28 | -28 | -35 | -38 | -20 | -22 | 7 | -12 |
| 281 | 14 | 30 | -32 | -13 | -28 | -28 | -35 | -30 | -20 | -22 | 9 | |
| 282 | 14 | 49 | -32 | -10 | -28 | -28 | -35 | -30 | -21 | -23 | 11 | -8 |
| 283 | 15 | 9 | -32 | -8 | -28 | -28 | -35 | -30 | -21 | -23 | 13 | -5 |
| 284 | 15 | 28 | -32 | -8 | -28 | -28 | -35 | -30 | -21 | -24 | 15 | 0 |
| 285 | 15 | 48 | -31 | -7 | -28 | -28 | -35 | -30 | -20 | -24 | 17 | 9 |
| 286 | 16 | 7 | -31 | -6 | -28 | -28 | -35 | -30 | -20 | -24 | 18 | 9 |
| 287 | 16 | 26 | -31 | -4 | -28 | -28 | -35 | -30 | -20 | -24 | 19 | 11 |
| 288 | 16 | 46 | -30 | -3 | -28 | -28 | -35 | -30 | -20 | -24 | 21 | 10 |
| 289 | 17 | 5 | -31 | -2 | -28 | -28 | -35 | -30 | -19 | -22 | 22 | 12 |
| 290 | 17 | 25 | -30 | 0 | -28 | -28 | -34 | -30 | -18 | -22 | 23 | 16 |
| 291 | 17 | 44 | -29 | 0 | -28 | -28 | -34 | -30 | -18 | -22 | 25 | 16 |
| 292 | 18 | 3 | -28 | 2 | -26 | -26 | -34 | -29 | -13 | -23 | 26 | 14 |
| 293 | 18 | 23 | -28 | 4 | -26 | -26 | -32 | -28 | -13 | -19 | 27 | 7 |
| 294 | 18 | 42 | -27 | 5 | -26 | -26 | -32 | -28 | -13 | -19 | 28 | 3 |
| 295 | 19 | 2 | -26 | 5 | -26 | -26 | -32 | -28 | -14 | -18 | 28 | 0 |
| 296 | 19 | 21 | -26 | 6 | -25 | -25 | -31 | -28 | -14 | -18 | 28 | 3 |
| 297 | 19 | 40 | -26 | 6 | -25 | -25 | -31 | -28 | -13 | -17 | 28 | 0 |
| 298 | 20 | 0 | -25 | 7 | -24 | -24 | -31 | -27 | -12 | -17 | 29 | 5 |
| 299 | 20 | 19 | -24 | 7 | -24 | -24 | -31 | -27 | -12 | -17 | 29 | 19 |
| 300 | 20 | 38 | -24 | 7 | -24 | -24 | -31 | -27 | -12 | -17 | 29 | 23 |
| 301 | 20 | 58 | -24 | 8 | -24 | -24 | -31 | -27 | -12 | -17 | 29 | 25 |
| 302 | 21 | 17 | -24 | 8 | -24 | -24 | -31 | -27 | -12 | -16 | 31 | 25 |
| 303 | 21 | 37 | -24 | 9 | -23 | -23 | -31 | -26 | -12 | -16 | 32 | 25 |
| 304 | 21 | 56 | -23 | 9 | -23 | -23 | -30 | -26 | -12 | -16 | 33 | 27 |
| 305 | 22 | 16 | -22 | 10 | -23 | -23 | -30 | -26 | -11 | -16 | 33 | 22 |
| 306 | 22 | 35 | -22 | 11 | -23 | -23 | -30 | -26 | -11 | -15 | 33 | 15 |
| 307 | 22 | 54 | -22 | 16 | -22 | -22 | -30 | -26 | -10 | -14 | 34 | 23 |
| 308 | 23 | 14 | -21 | 18 | -22 | -22 | -30 | -26 | -9 | -14 | 34 | 19 |
| 309 | 23 | 33 | -21 | 18 | -23 | -23 | -30 | -26 | -9 | -14 | 36 | 22 |
| 310 | 23 | 53 | -20 | 19 | -23 | -23 | -30 | -26 | -8 | -14 | 35 | 19 |
| 311 | 24 | 12 | -20 | 19 | -23 | -23 | -30 | -26 | -8 | -13 | 36 | 19 |
| 312 | 24 | 32 | -19 | 19 | -22 | -22 | -30 | -26 | -8 | -13 | 36 | 18 |
| 313 | 24 | 51 | -18 | 20 | -22 | -22 | -30 | -26 | -7 | -12 | 37 | 18 |
| 314 | 25 | 11 | -18 | 21 | -22 | -22 | -30 | -26 | -6 | -12 | 37 | 18 |
| 315 | 25 | 30 | -17 | 21 | -22 | -22 | -30 | -26 | -6 | -11 | 38 | 16 |
| 316 | 25 | 50 | -16 | 22 | -22 | -22 | -30 | -26 | -5 | -10 | 38 | 15 |

| SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP. DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP. DEG.C | 4-19 UTIL AFCS 2 (PITCH /ROLL CHAN) DEG.C | 4-20 ROTARY RUDDER INSTAGE INLET TEMP DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP. DEG.C | 4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|----------------|----------------------|----------------------|---|--|---|---|---|---|--|--|--|---|
| 317 | 26 | 9 | -16 | 16 | 22 | -22 | -30 | -26 | -4 | -10 | 30 | 15 |
| 318 | 26 | 29 | -15 | 16 | 23 | -22 | -30 | -26 | -4 | -10 | 39 | 14 |
| 319 | 26 | 48 | -15 | 17 | 24 | -22 | -30 | -25 | -3 | -9 | 39 | 13 |
| 320 | 27 | 6 | -14 | 17 | 24 | -22 | -30 | -25 | -3 | -8 | 39 | 14 |
| 321 | 27 | 27 | -14 | 17 | 24 | -21 | -30 | -25 | -2 | -8 | 39 | 15 |
| 322 | 27 | 47 | -13 | 17 | 25 | -21 | -30 | -25 | -2 | -8 | 39 | 15 |
| 323 | 28 | 7 | -13 | 17 | 27 | -21 | -30 | -26 | -1 | -7 | 40 | 15 |
| 324 | 28 | 26 | -12 | 17 | 27 | -21 | -30 | -25 | -1 | -7 | 40 | 15 |
| 325 | 28 | 46 | -12 | 24 | 24 | -21 | -30 | -25 | -1 | -6 | 40 | 21 |
| 326 | 28 | 6 | -11 | 10 | 23 | -21 | -30 | -25 | -1 | -6 | 40 | 21 |
| 327 | 29 | 6 | -11 | 21 | 21 | -20 | -30 | -25 | -1 | -6 | 38 | 15 |
| 328 | 29 | 25 | -11 | 11 | 22 | -21 | -30 | -26 | -1 | -6 | 38 | 19 |
| 329 | 29 | 45 | -10 | 13 | 22 | -21 | -30 | -25 | -1 | -5 | 38 | 19 |
| 330 | 30 | 5 | -10 | 15 | 23 | -20 | -30 | -26 | 0 | -5 | 38 | 16 |
| 331 | 30 | 24 | -10 | 13 | 26 | -20 | -30 | -25 | 0 | -4 | 38 | 16 |
| 332 | 30 | 44 | -9 | 13 | 26 | -20 | -30 | -25 | 0 | -4 | 38 | 15 |
| 333 | 31 | 4 | -9 | 10 | 21 | -20 | -30 | -25 | 0 | -4 | 38 | 17 |
| 334 | 31 | 23 | -9 | 12 | 22 | -20 | -30 | -26 | 0 | -4 | 38 | 17 |
| 335 | 31 | 43 | -9 | 14 | 22 | -20 | -30 | -26 | 0 | -4 | 37 | 17 |
| 336 | 32 | 3 | -8 | 15 | 23 | -20 | -30 | -26 | 0 | -4 | 38 | 18 |
| 337 | 32 | 23 | -8 | 16 | 24 | -19 | -31 | -26 | 0 | -4 | 38 | 18 |
| 338 | 32 | 43 | -8 | 17 | 24 | -19 | -31 | -26 | 0 | -3 | 38 | 17 |
| 339 | 33 | 2 | -8 | 17 | 25 | -19 | -31 | -26 | 0 | -3 | 38 | 17 |
| 340 | 33 | 22 | -7 | 17 | 25 | -19 | -31 | -26 | 0 | -3 | 39 | 18 |
| 341 | 33 | 42 | -7 | 18 | 26 | -19 | -31 | -26 | 1 | -2 | 39 | 17 |
| 342 | 34 | 2 | -6 | 18 | 26 | -19 | -31 | -26 | 1 | -2 | 40 | 16 |
| 343 | 34 | 22 | -6 | 18 | 27 | -18 | -31 | -25 | 1 | -2 | 40 | 16 |
| 344 | 34 | 41 | -6 | 18 | 27 | -18 | -31 | -26 | 1 | -2 | 41 | 18 |
| 345 | 35 | 1 | -6 | 18 | 27 | -18 | -31 | -26 | 1 | -2 | 41 | 22 |
| 346 | 35 | 35 | -6 | 19 | 27 | -18 | -31 | -26 | 1 | -2 | 41 | 22 |
| 347 | 35 | 41 | -5 | 19 | 28 | -18 | -31 | -26 | 1 | -1 | 41 | 11 |
| 348 | 35 | 41 | -5 | 19 | 28 | -18 | -31 | -25 | 2 | -1 | 41 | 11 |
| 349 | 36 | 1 | -5 | 20 | 28 | -18 | -31 | -26 | 2 | -1 | 42 | 14 |
| 350 | 36 | 21 | -5 | 20 | 28 | -18 | -31 | -26 | 2 | -1 | 42 | 15 |
| 351 | 36 | 41 | -4 | 20 | 28 | -18 | -31 | -26 | 2 | -1 | 42 | 18 |
| 352 | 37 | 1 | -4 | 20 | 28 | -18 | -31 | -25 | 2 | -1 | 42 | 25 |
| 353 | 37 | 20 | -4 | 20 | 29 | -18 | -31 | -26 | 2 | -1 | 42 | 21 |
| 354 | 37 | 40 | -4 | 20 | 29 | -18 | -31 | -26 | 2 | -1 | 42 | 21 |
| 355 | 38 | 0 | -3 | 20 | 29 | -18 | -31 | -26 | 2 | -1 | 42 | 21 |
| 356 | 38 | 20 | -3 | 20 | 29 | -17 | -31 | -26 | 2 | -1 | 42 | 19 |
| 357 | 38 | 40 | -3 | 20 | 29 | -17 | -31 | -25 | 2 | -1 | 42 | 21 |
| 358 | 39 | 0 | -3 | 20 | 29 | -17 | -31 | -26 | 2 | -1 | 42 | 21 |
| 359 | 39 | 20 | -3 | 21 | 30 | -17 | -31 | -26 | 2 | -1 | 42 | 24 |
| 360 | 39 | 40 | -2 | 21 | 30 | -17 | -31 | -25 | 2 | -1 | 42 | 24 |
| 361 | 40 | 0 | -2 | 21 | 30 | -16 | -32 | -25 | 2 | -1 | 42 | 23 |
| 362 | 40 | 20 | -2 | 21 | 30 | -16 | -32 | -26 | 2 | -1 | 42 | 23 |
| 363 | 41 | 0 | -3 | 21 | 30 | -16 | -32 | -26 | 2 | -1 | 42 | 26 |
| 364 | 41 | 20 | -3 | 21 | 30 | -16 | -32 | -26 | 2 | -1 | 42 | 26 |
| 365 | 41 | 40 | -2 | 21 | 30 | -16 | -32 | -26 | 1 | -1 | 42 | 29 |
| 366 | 42 | 0 | -2 | 21 | 30 | -16 | -32 | -26 | 1 | -1 | 42 | 28 |
| 366 | 42 | 20 | -2 | 21 | 30 | -16 | -32 | -26 | 1 | -1 | 42 | 31 |
| | | | | | | | | | 2 | | | 30 |

| SHEET COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-16 2STAGE AFCS 1 (PITCH CHAN) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP. DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP. DEG.C | 4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C | 4-20 ROTARY POWDER 1STAGE INLET TEMP DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP. DEG.C | 4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|----------------|----------------------|----------------------|--|--|---|--|--|---|--|--|--|---|
| 367 | 42 | 40 | -2 | 21 | 30 | -16 | -33 | -26 | 1 | -1 | 42 | 28 |
| 368 | 43 | 0 | -2 | 21 | 30 | -16 | -33 | -26 | 2 | -1 | 42 | 33 |
| 369 | 43 | 20 | -2 | 21 | 30 | -17 | -33 | -26 | 2 | -0 | 42 | 33 |
| 370 | 43 | 40 | -2 | 21 | 30 | -16 | -33 | -26 | 2 | -1 | 42 | 32 |
| 371 | 44 | 3 | -1 | 20 | 31 | -16 | -33 | -26 | 2 | -0 | 42 | 33 |
| 372 | 44 | 20 | -1 | 21 | 30 | -16 | -33 | -26 | 2 | -0 | 42 | 31 |
| 373 | 44 | 40 | -1 | 20 | 30 | -16 | -33 | -26 | 2 | -0 | 42 | 31 |
| 374 | 45 | 0 | -1 | 21 | 31 | -16 | -33 | -26 | 2 | 0 | 43 | 32 |
| 375 | 45 | 20 | -0 | 21 | 31 | -16 | -33 | -26 | 3 | 0 | 43 | 27 |
| 376 | 45 | 40 | 0 | 21 | 31 | -16 | -33 | -26 | 3 | 0 | 44 | 23 |
| 377 | 46 | 0 | 0 | 21 | 32 | -15 | -33 | -26 | 4 | 0 | 44 | 22 |
| 378 | 46 | 20 | 0 | 21 | 32 | -15 | -33 | -26 | 4 | 0 | 44 | 26 |
| 379 | 46 | 40 | 0 | 21 | 32 | -15 | -33 | -26 | 4 | 0 | 44 | 22 |
| 380 | 47 | 0 | 0 | 22 | 32 | -15 | -34 | -26 | 5 | 0 | 45 | 16 |
| 381 | 47 | 20 | 0 | 22 | 33 | -14 | -33 | -26 | 5 | 0 | 45 | 17 |
| 382 | 47 | 40 | 1 | 22 | 33 | -14 | -33 | -26 | 5 | 1 | 45 | 21 |
| 383 | 48 | 1 | 1 | 22 | 33 | -14 | -33 | -26 | 5 | 1 | 45 | 16 |
| 384 | 48 | 21 | 1 | 22 | 33 | -14 | -33 | -26 | 6 | 1 | 45 | 15 |
| 385 | 48 | 41 | 1 | 22 | 33 | -14 | -33 | -25 | 6 | 1 | 45 | 17 |
| 386 | 49 | 1 | 1 | 22 | 34 | -14 | -33 | -25 | 7 | 1 | 46 | 15 |
| 387 | 49 | 21 | 1 | 22 | 34 | -14 | -33 | -24 | 7 | 1 | 46 | 14 |
| 388 | 49 | 41 | 1 | 23 | 34 | -14 | -33 | -24 | 7 | 1 | 46 | 22 |
| 389 | 50 | 1 | 1 | 23 | 34 | -14 | -33 | -23 | 7 | 2 | 46 | 28 |
| 390 | 50 | 21 | 2 | 23 | 34 | -13 | -32 | -23 | 7 | 2 | 46 | 34 |
| 391 | 50 | 41 | 2 | 23 | 34 | -14 | -33 | -23 | 7 | 2 | 46 | 36 |
| 392 | 51 | 2 | 2 | 24 | 34 | -13 | -33 | -23 | 7 | 3 | 46 | 37 |
| 393 | 51 | 22 | 2 | 24 | 34 | -13 | -33 | -24 | 7 | 3 | 46 | 35 |
| 394 | 51 | 42 | 2 | 24 | 35 | -12 | -32 | -24 | 7 | 3 | 47 | 37 |
| 395 | 52 | 2 | 2 | 25 | 35 | -12 | -33 | -24 | 7 | 4 | 48 | 36 |
| 396 | 52 | 22 | 2 | 24 | 35 | -12 | -33 | -24 | 7 | 3 | 47 | 34 |
| 397 | 52 | 42 | 2 | 25 | 35 | -13 | -33 | -24 | 7 | 3 | 47 | 32 |
| 398 | 53 | 2 | 2 | 25 | 35 | -13 | -33 | -24 | 7 | 4 | 48 | 33 |
| 399 | 53 | 22 | 2 | 25 | 36 | -12 | -33 | -21 | 7 | 4 | 48 | 31 |
| 400 | 53 | 42 | 2 | 22 | 36 | -9 | -33 | -21 | 7 | 4 | 48 | 13 |
| 401 | 54 | 3 | 14 | 21 | 35 | -9 | -33 | -22 | 7 | 4 | 47 | 11 |
| 402 | 54 | 23 | 19 | 22 | 34 | -10 | -33 | -22 | 8 | 4 | 47 | 15 |
| 403 | 54 | 43 | 22 | 23 | 34 | -9 | -33 | -21 | 8 | 4 | 47 | 17 |
| 404 | 55 | 3 | 26 | 23 | 35 | -9 | -33 | -21 | 8 | 4 | 48 | 16 |
| 405 | 55 | 23 | 28 | 23 | 35 | -9 | -33 | -21 | 8 | 5 | 48 | 14 |
| 406 | 55 | 43 | 29 | 24 | 35 | -8 | -33 | -21 | 8 | 5 | 48 | 18 |
| 407 | 56 | 4 | 31 | 24 | 35 | -8 | -33 | -21 | 8 | 5 | 48 | 15 |
| 408 | 56 | 24 | 33 | 24 | 35 | -7 | -33 | -20 | 8 | 5 | 48 | 13 |
| 409 | 56 | 44 | 34 | 23 | 35 | -7 | -33 | -20 | 8 | 5 | 45 | 26 |
| 410 | 57 | 4 | 34 | 22 | 33 | -6 | -32 | -21 | 9 | 11 | 45 | 24 |
| 411 | 57 | 24 | 36 | 22 | 32 | -6 | -33 | -21 | 9 | 8 | 44 | 24 |
| 412 | 57 | 44 | 36 | 22 | 33 | -6 | -33 | -20 | 9 | 8 | 44 | 20 |
| 413 | 58 | 4 | 37 | 22 | 33 | -6 | -33 | -20 | 8 | 8 | 43 | 19 |
| 414 | 58 | 24 | 34 | 22 | 33 | -5 | -33 | -21 | 8 | 7 | 44 | 17 |
| 415 | 58 | 44 | 33 | 22 | 34 | -4 | -33 | -22 | 7 | 6 | 44 | 16 |
| 416 | 59 | 4 | 35 | 22 | 34 | -4 | -33 | -22 | 7 | 6 | 45 | 17 |

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP. DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP. DEG.C | 4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C | 4-20 ROTARY RUDDER 1STAGE INLET TEMP. DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP. DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP. DEG.C | 4-23 WINCH PUMP OUTLET HYD. TEMP. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|-----------------------|----------------------|----------------------|---|--|---|--|---|--|--|---|--|---|
| 417 | 59 | 24 | 37 | 22 | 33 | -4 | -33 | -24 | 7 | 5 | 46 | 15 |
| 418 | 59 | 44 | 35 | 22 | 32 | -4 | -33 | -24 | 6 | 5 | 45 | 8 |
| 419 | 60 | 4 | 35 | 22 | 32 | -4 | -33 | -25 | 6 | 4 | 45 | 2 |
| 420 | 60 | 25 | 34 | 22 | 32 | -3 | -32 | -26 | 6 | 5 | 45 | 11 |
| 421 | 60 | 45 | 35 | 22 | 32 | -3 | -32 | -26 | 6 | 5 | 45 | 11 |
| 422 | 61 | 5 | 34 | 22 | 31 | -2 | -32 | -26 | 5 | 4 | 45 | 12 |
| 423 | 61 | 25 | 34 | 22 | 30 | -2 | -32 | -27 | 5 | 4 | 45 | 14 |
| 424 | 61 | 45 | 32 | 21 | 31 | -2 | -32 | -27 | 5 | 4 | 47 | 20 |
| 425 | 62 | 5 | 32 | 22 | 29 | -2 | -32 | -28 | 7 | 7 | 52 | 31 |
| 426 | 62 | 25 | 31 | 23 | 28 | -2 | -31 | -28 | 8 | 6 | 48 | 25 |
| 427 | 62 | 46 | 32 | 23 | 28 | -2 | -32 | -29 | 6 | 6 | 45 | 22 |
| 428 | 63 | 6 | 30 | 24 | 29 | -1 | -32 | -28 | 9 | 6 | 44 | 25 |
| 429 | 63 | 26 | 30 | 23 | 29 | -1 | -31 | -28 | 9 | 6 | 44 | 25 |
| 430 | 63 | 46 | 29 | 22 | 29 | -2 | -31 | -28 | 9 | 6 | 43 | 24 |
| 431 | 64 | 6 | 28 | 21 | 29 | -1 | -31 | -28 | 9 | 6 | 44 | 24 |
| 432 | 64 | 26 | 28 | 21 | 29 | -2 | -31 | -29 | 9 | 6 | 44 | 24 |
| 433 | 64 | 46 | 28 | 21 | 29 | -1 | -30 | -29 | 9 | 6 | 45 | 21 |
| 434 | 65 | 6 | 28 | 21 | 29 | -1 | -30 | -29 | 18 | 6 | 44 | 20 |
| 435 | 65 | 26 | 28 | 21 | 29 | -1 | -30 | -29 | 18 | 6 | 44 | 20 |
| 436 | 65 | 46 | 27 | 21 | 29 | -0 | -29 | -28 | 10 | 7 | 45 | 20 |
| 437 | 66 | 6 | 27 | 21 | 29 | 0 | -29 | -28 | 10 | 6 | 45 | 19 |
| 438 | 66 | 26 | 27 | 21 | 30 | -0 | -28 | -28 | 10 | 6 | 45 | 18 |
| 439 | 66 | 46 | 27 | 21 | 29 | -0 | -29 | -28 | 9 | 6 | 45 | 18 |
| 440 | 67 | 6 | 26 | 21 | 29 | -0 | -29 | -28 | 10 | 6 | 44 | 18 |
| 441 | 67 | 26 | 27 | 21 | 29 | -0 | -28 | -28 | 10 | 6 | 45 | 18 |
| 442 | 67 | 46 | 26 | 20 | 29 | -0 | -28 | -27 | 10 | 6 | 44 | 21 |
| 443 | 68 | 6 | 27 | 20 | 29 | 0 | -28 | -27 | 11 | 6 | 45 | 19 |
| 444 | 68 | 26 | 27 | 20 | 29 | 0 | -28 | -27 | 18 | 6 | 45 | 19 |
| 445 | 68 | 39 | 27 | 21 | 29 | 0 | -28 | -27 | 18 | 6 | 45 | 18 |
| 446 | 69 | 7 | 27 | 21 | 29 | 0 | -27 | -27 | 11 | 6 | 45 | 20 |
| 447 | 69 | 27 | 27 | 21 | 29 | 0 | -26 | -26 | 11 | 6 | 45 | 19 |
| 448 | 69 | 47 | 27 | 21 | 29 | 0 | -26 | -25 | 11 | 6 | 45 | 22 |
| 449 | 70 | 7 | 27 | 20 | 30 | 0 | -26 | -25 | 11 | 7 | 44 | 18 |
| 450 | 70 | 27 | 27 | 19 | 29 | 0 | -25 | -25 | 11 | 7 | 45 | 19 |
| 451 | 70 | 47 | 28 | 19 | 29 | 0 | -26 | -25 | 11 | 7 | 44 | 19 |
| 452 | 71 | 7 | 28 | 20 | 29 | 0 | -25 | -26 | 11 | 7 | 44 | 18 |
| 453 | 71 | 27 | 28 | 20 | 29 | 0 | -24 | -25 | 11 | 6 | 44 | 17 |
| 454 | 71 | 47 | 26 | 20 | 29 | 1 | -25 | -25 | 11 | 6 | 44 | 17 |
| 455 | 72 | 7 | 27 | 20 | 29 | 0 | -24 | -24 | 11 | 6 | 43 | 19 |
| 456 | 72 | 27 | 27 | 20 | 29 | 0 | -24 | -24 | 11 | 6 | 43 | 20 |
| 457 | 72 | 48 | 27 | 20 | 30 | 1 | -24 | -23 | 11 | 6 | 43 | 15 |
| 458 | 73 | 8 | 28 | 20 | 29 | 1 | -24 | -24 | 11 | 7 | 43 | 17 |
| 459 | 73 | 28 | 27 | 20 | 30 | 1 | -24 | -24 | 11 | 7 | 43 | 13 |
| 460 | 73 | 48 | 28 | 19 | 30 | 1 | -23 | -23 | 11 | 7 | 43 | 17 |
| 461 | 74 | 8 | 27 | 19 | 29 | 1 | -24 | -23 | 11 | 6 | 42 | 15 |
| 462 | 74 | 28 | 27 | 19 | 28 | 1 | -23 | -23 | 11 | 6 | 42 | 16 |
| 463 | 74 | 49 | 27 | 20 | 30 | 1 | -22 | -22 | 12 | 7 | 43 | 17 |
| 464 | 75 | 9 | 27 | 19 | 29 | 1 | -23 | -23 | 11 | 6 | 42 | 15 |
| 465 | 75 | 29 | 27 | 20 | 29 | 1 | -23 | -22 | 11 | 7 | 42 | 14 |
| 466 | 75 | 49 | 29 | 20 | 30 | 1 | -23 | -22 | 11 | 7 | 43 | 15 |

| TIME | 4-02 | 4-03 | 4-16 | 4-17 | 4-18 | 4-19 | 4-20 | 4-21 | 4-22 | 4-23 | 4-24 | 4-25 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME |
| TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME |
| TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME | TIME |
| 467 | 76 | 9 | 29 | 18 | 29 | 1 | -24 | -22 | 10 | 5 | 43 | 19 |
| 468 | 76 | 29 | 29 | 18 | 29 | 1 | -23 | -22 | 11 | 6 | 43 | 27 |
| 469 | 76 | 50 | 30 | 19 | 29 | 2 | -22 | -19 | 11 | 7 | 44 | 26 |
| 470 | 77 | 10 | 30 | 19 | 29 | 1 | -24 | -22 | 10 | 5 | 42 | 25 |
| 471 | 77 | 30 | 31 | 22 | 31 | 3 | -23 | -19 | 12 | 6 | 44 | 26 |
| 472 | 77 | 50 | 29 | 19 | 30 | 2 | -24 | -21 | 11 | 5 | 42 | 25 |
| 473 | 76 | 10 | 29 | 19 | 30 | 2 | -23 | -20 | 10 | 5 | 42 | 24 |
| 474 | 78 | 31 | 29 | 20 | 30 | 2 | -24 | -20 | 11 | 5 | 42 | 25 |
| 475 | 78 | 51 | 29 | 19 | 29 | 2 | -23 | -20 | 10 | 5 | 42 | 25 |
| 476 | 79 | 11 | 29 | 19 | 30 | 4 | -23 | -20 | 9 | 4 | 42 | 25 |
| 477 | 79 | 31 | 30 | 19 | 31 | 3 | -22 | -20 | 10 | 5 | 42 | 26 |
| 478 | 79 | 51 | 29 | 19 | 30 | 2 | -22 | -20 | 10 | 5 | 42 | 25 |
| 479 | 80 | 12 | 30 | 19 | 30 | 2 | -23 | -19 | 11 | 5 | 42 | 26 |
| 480 | 80 | 32 | 29 | 19 | 30 | 2 | -22 | -20 | 10 | 5 | 42 | 25 |
| 481 | 80 | 52 | 29 | 19 | 29 | 4 | -22 | -19 | 11 | 5 | 42 | 24 |
| 482 | 81 | 13 | 30 | 18 | 29 | 3 | -23 | -20 | 10 | 4 | 42 | 22 |
| 483 | 81 | 33 | 30 | 19 | 29 | 2 | -23 | -20 | 11 | 4 | 42 | 24 |
| 484 | 81 | 53 | 30 | 19 | 29 | 3 | -23 | -19 | 11 | 4 | 42 | 23 |
| 485 | 82 | 13 | 31 | 19 | 29 | 3 | -24 | -19 | 9 | 4 | 42 | 24 |
| 486 | 82 | 34 | 30 | 18 | 29 | 2 | -21 | -21 | 9 | 3 | 42 | 24 |
| 487 | 82 | 54 | 29 | 19 | 28 | 3 | -23 | -20 | 7 | 2 | 40 | 25 |
| 488 | 83 | 14 | 27 | 18 | 28 | 2 | -21 | -20 | 6 | 2 | 39 | 28 |
| 489 | 83 | 35 | 26 | 15 | 22 | 2 | -20 | -19 | 5 | 2 | 39 | 22 |
| 490 | 83 | 55 | 25 | 12 | 23 | 1 | -17 | -19 | 5 | 2 | 38 | 19 |
| 491 | 84 | 15 | 23 | 15 | 24 | 0 | -17 | -18 | 5 | 2 | 38 | 28 |
| 492 | 84 | 35 | 23 | 15 | 25 | 0 | -18 | -18 | 5 | 2 | 37 | 28 |
| 493 | 84 | 55 | 22 | 15 | 24 | -0 | -17 | -17 | 5 | 3 | 37 | 16 |
| 494 | 85 | 16 | 22 | 15 | 24 | -0 | -16 | -15 | 4 | 2 | 37 | 9 |
| 495 | 85 | 36 | 21 | 15 | 24 | -2 | -15 | -15 | 4 | 2 | 37 | 4 |
| 496 | 85 | 56 | 21 | 15 | 25 | -2 | -15 | -15 | 4 | 2 | 37 | 4 |
| 497 | 86 | 17 | 19 | 15 | 25 | -4 | -13 | -16 | 4 | 2 | 36 | 6 |
| 498 | 86 | 37 | 19 | 15 | 25 | -4 | -13 | -15 | 3 | 2 | 36 | 8 |
| 499 | 86 | 57 | 18 | 15 | 24 | -5 | -13 | -15 | 2 | 2 | 37 | 5 |
| 500 | 87 | 17 | 18 | 14 | 24 | -4 | -14 | -15 | 2 | 2 | 36 | 6 |
| 501 | 87 | 36 | 17 | 16 | 23 | -5 | -14 | -16 | 1 | 1 | 36 | 13 |
| 502 | 87 | 54 | 16 | 14 | 22 | -6 | -15 | -16 | 1 | 1 | 36 | 20 |
| 503 | 88 | 18 | 15 | 15 | 23 | -7 | -15 | -16 | 0 | 0 | 35 | 14 |
| 504 | 88 | 39 | 14 | 13 | 22 | -8 | -16 | -16 | 0 | 0 | 35 | 9 |
| 505 | 88 | 59 | 14 | 14 | 22 | -9 | -16 | -16 | 0 | 0 | 36 | 8 |
| 506 | 89 | 19 | 14 | 13 | 21 | -9 | -16 | -16 | 0 | 0 | 35 | 8 |
| 507 | 89 | 40 | 14 | 12 | 21 | -10 | -16 | -16 | -1 | -1 | 34 | 11 |
| 508 | 90 | 0 | 14 | 13 | 22 | -9 | -16 | -16 | 0 | 0 | 34 | 17 |
| 509 | 90 | 20 | 14 | 12 | 22 | -11 | -16 | -16 | 0 | 0 | 34 | 14 |
| 510 | 90 | 41 | 13 | 12 | 21 | -11 | -15 | -16 | -1 | 0 | 34 | 17 |
| 511 | 91 | 1 | 12 | 11 | 21 | -11 | -15 | -16 | -1 | 0 | 34 | 19 |
| 512 | 91 | 21 | 13 | 12 | 21 | -11 | -16 | -17 | -1 | 0 | 33 | 17 |
| 513 | 91 | 42 | 12 | 11 | 20 | -12 | -16 | -17 | -2 | -2 | 33 | 23 |
| 514 | 92 | 2 | 12 | 11 | 19 | -13 | -16 | -18 | -2 | -1 | 33 | 16 |
| 515 | 92 | 23 | 17 | 11 | 19 | -12 | -16 | -17 | -1 | -1 | 32 | 17 |
| 516 | 92 | 43 | 11 | 11 | 19 | -13 | -16 | -17 | -2 | -2 | 32 | 19 |

| -01 SLEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C | 4-19 UTIL AFCS 2 IPITCH / ROLL CHAN) DEG.C | 4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP. DEG.C | 4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|--|--|---|--|--|--|---|
| 517 | 93 | 4 | 12 | 10 | 19 | -13 | -15 | -18 | -2 | -2 | 32 | 18 |
| 518 | 93 | 28 | 12 | 10 | 18 | -14 | -15 | -17 | -2 | -2 | 32 | 19 |
| 519 | 95 | 45 | 11 | 9 | 18 | -16 | -15 | -16 | -2 | -2 | 31 | 21 |
| 520 | 96 | 5 | 11 | 9 | 18 | -14 | -14 | -16 | -2 | -1 | 32 | 20 |
| 521 | 96 | 25 | 12 | 10 | 18 | -14 | -15 | -15 | -2 | -1 | 31 | 21 |
| 522 | 96 | 45 | 11 | 9 | 18 | -14 | -14 | -15 | -2 | -2 | 32 | 21 |
| 523 | 97 | 7 | 12 | 10 | 18 | -14 | -14 | -16 | -2 | -2 | 31 | 21 |
| 524 | 97 | 28 | 12 | 10 | 18 | -14 | -15 | -15 | -2 | -2 | 31 | 22 |
| 525 | 97 | 48 | 11 | 9 | 18 | -14 | -15 | -15 | -2 | -2 | 31 | 21 |
| 526 | 98 | 9 | 11 | 9 | 18 | -14 | -14 | -15 | -2 | -2 | 31 | 21 |
| 527 | 98 | 29 | 12 | 10 | 17 | -14 | -15 | -15 | -2 | -2 | 31 | 19 |
| 528 | 98 | 50 | 11 | 9 | 18 | -14 | -15 | -16 | -2 | -2 | 31 | 22 |
| 529 | 99 | 11 | 11 | 9 | 18 | -14 | -15 | -16 | -2 | -2 | 31 | 21 |
| 530 | 99 | 31 | 11 | 9 | 19 | -14 | -15 | -16 | -2 | -2 | 31 | 24 |
| 531 | 99 | 52 | 12 | 10 | 18 | -12 | -12 | -16 | -2 | -2 | 31 | 22 |
| 532 | 100 | 12 | 12 | 10 | 18 | -13 | -15 | -16 | -2 | -2 | 31 | 24 |
| 533 | 100 | 33 | 11 | 9 | 18 | -14 | -15 | -16 | -2 | -2 | 31 | 25 |
| 534 | 100 | 53 | 11 | 9 | 18 | -13 | -16 | -18 | -2 | -2 | 30 | 25 |
| 535 | 101 | 14 | 10 | 8 | 17 | -15 | -18 | -18 | -6 | -5 | 29 | 23 |
| 536 | 101 | 34 | 19 | 8 | 17 | -14 | -18 | -19 | -6 | -5 | 29 | 23 |
| 537 | 101 | 55 | 9 | 8 | 17 | -15 | -20 | -20 | -6 | -5 | 29 | 23 |
| 538 | 102 | 15 | 8 | 7 | 15 | -16 | -21 | -21 | -6 | -6 | 29 | 22 |
| 539 | 102 | 36 | 7 | 7 | 15 | -16 | -21 | -21 | -7 | -6 | 29 | 21 |
| 540 | 102 | 56 | 6 | 5 | 15 | -17 | -22 | -23 | -8 | -8 | 28 | 19 |
| 541 | 103 | 17 | 6 | 15 | 15 | -16 | -22 | -22 | -7 | -7 | 28 | 22 |
| 542 | 103 | 37 | 7 | 15 | 15 | -17 | -21 | -22 | -8 | -7 | 29 | 22 |
| 543 | 103 | 58 | 6 | 14 | 14 | -18 | -22 | -23 | -9 | -8 | 28 | 22 |
| 544 | 104 | 18 | 7 | 15 | 15 | -18 | -23 | -23 | -8 | -8 | 28 | 22 |
| 545 | 104 | 39 | 6 | 14 | 14 | -19 | -23 | -24 | -10 | -9 | 28 | 21 |
| 546 | 104 | 59 | 6 | 15 | 15 | -18 | -22 | -23 | -10 | -9 | 28 | 21 |
| 547 | 105 | 20 | 6 | 15 | 15 | -19 | -22 | -23 | -9 | -9 | 27 | 21 |
| 548 | 105 | 40 | 5 | 15 | 15 | -19 | -22 | -24 | -10 | -9 | 27 | 22 |
| 549 | 106 | 1 | 6 | 14 | 14 | -19 | -22 | -24 | -9 | -8 | 29 | 22 |
| 550 | 106 | 21 | 6 | 14 | 14 | -19 | -22 | -24 | -10 | -8 | 28 | 21 |
| 551 | 106 | 42 | 6 | 14 | 14 | -21 | -23 | -25 | -11 | -10 | 27 | 21 |
| 552 | 107 | 2 | 5 | 14 | 14 | -19 | -22 | -24 | -10 | -10 | 28 | 22 |
| 553 | 107 | 23 | 5 | 14 | 14 | -21 | -23 | -25 | -11 | -11 | 27 | 21 |
| 554 | 107 | 43 | 6 | 15 | 15 | -20 | -23 | -24 | -10 | -10 | 28 | 22 |
| 555 | 108 | 4 | 5 | 13 | 13 | -21 | -24 | -24 | -11 | -11 | 27 | 21 |
| 556 | 108 | 24 | 6 | 14 | 14 | -20 | -23 | -24 | -10 | -10 | 28 | 22 |
| 557 | 108 | 45 | 6 | 15 | 15 | -21 | -24 | -24 | -10 | -11 | 28 | 21 |
| 558 | 109 | 5 | 6 | 16 | 16 | -21 | -24 | -24 | -10 | -10 | 28 | 22 |
| 559 | 109 | 25 | 4 | 14 | 14 | -22 | -24 | -25 | -11 | -11 | 27 | 21 |
| 560 | 109 | 46 | 5 | 14 | 14 | -21 | -24 | -25 | -10 | -11 | 27 | 21 |
| 561 | 110 | 6 | 5 | 14 | 14 | -21 | -24 | -24 | -11 | -11 | 28 | 21 |
| 562 | 110 | 27 | 5 | 14 | 14 | -22 | -25 | -25 | -11 | -12 | 27 | 21 |
| 563 | 110 | 47 | 4 | 14 | 14 | -21 | -24 | -26 | -12 | -12 | 27 | 20 |
| 564 | 111 | 8 | 3 | 12 | 12 | -22 | -25 | -26 | -12 | -12 | 26 | 20 |
| 565 | 111 | 28 | 5 | 14 | 14 | -22 | -24 | -26 | -11 | -11 | 27 | 21 |
| 566 | 111 | 49 | 4 | 14 | 14 | -23 | -25 | -26 | -12 | -12 | 27 | 20 |

| TEST COUNT | TIME MIN. | 9-03 TIM | 9-16 2 PAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP. DEG.C | 4-14 UTIL. PUMP OUTLET HYD. TEMP. DEG.C | 9-19 UTIL AFCS 2 (PITCH /ROLL CHAN) DEG.C | 4-20 ROTARY RUDDER ISTAGE INLET TEMP. DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP. DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP. DEG.C | 4-23 WINCH PUMP OUTLET TEMP. HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|---------------|--------------|-------------|---|--|---|---|---|--|--|---|--|---|
| 567 | 112 | 9 | 4 | 4 | 14 | -22 | -24 | -25 | -11 | -12 | 27 | 21 |
| 568 | 112 | 30 | 4 | 5 | 13 | -22 | -24 | -26 | -12 | -12 | 27 | 21 |
| 569 | 112 | 50 | 5 | 6 | 14 | -22 | -24 | -25 | -11 | -11 | 28 | 21 |
| 570 | 113 | 11 | 4 | 4 | 13 | -23 | -24 | -26 | -12 | -12 | 26 | 20 |
| 571 | 113 | 31 | 5 | 5 | 14 | -22 | -24 | -25 | -12 | -11 | 27 | 20 |
| 572 | 113 | 51 | 3 | 5 | 13 | -22 | -24 | -26 | -11 | -12 | 26 | 19 |
| 573 | 114 | 12 | 4 | 5 | 14 | -22 | -25 | -26 | -12 | -12 | 27 | 20 |
| 574 | 114 | 32 | 3 | 5 | 12 | -23 | -26 | -26 | -12 | -13 | 26 | 20 |
| 575 | 114 | 52 | 4 | 5 | 13 | -23 | -24 | -26 | -11 | -11 | 27 | 20 |
| 576 | 115 | 13 | 4 | 5 | 14 | -22 | -25 | -26 | -12 | -12 | 26 | 20 |
| 577 | 115 | 33 | 5 | 4 | 13 | -22 | -25 | -27 | -11 | -13 | 27 | 20 |
| 578 | 115 | 54 | 3 | 4 | 14 | -22 | -26 | -26 | -12 | -12 | 27 | 20 |
| 579 | 116 | 14 | 3 | 4 | 12 | -23 | -26 | -27 | -13 | * | 27 | 19 |
| 580 | 116 | 34 | 4 | 4 | 12 | -22 | -26 | -26 | -11 | -12 | 27 | 20 |
| 581 | 116 | 55 | 3 | 4 | 13 | -24 | -26 | -27 | -13 | -13 | 26 | 19 |
| 582 | 117 | 15 | 2 | 4 | 13 | -24 | -25 | -26 | -12 | -12 | 26 | 19 |
| 583 | 117 | 35 | 3 | 4 | 14 | -24 | -26 | -27 | -13 | -14 | 26 | 19 |
| 584 | 117 | 56 | 4 | 5 | 14 | -22 | -24 | -26 | -12 | -12 | 27 | 20 |
| 585 | 118 | 16 | 3 | 4 | 13 | -22 | -26 | -25 | -12 | -12 | 27 | 20 |
| 586 | 118 | 36 | 4 | 5 | 13 | -23 | -24 | -26 | -12 | -12 | 26 | 21 |
| 587 | 118 | 57 | 4 | 4 | 14 | -22 | -25 | -25 | -11 | -12 | 27 | 20 |
| 588 | 119 | 17 | 4 | 4 | 12 | -23 | -24 | -25 | -12 | -12 | 27 | 20 |
| 589 | 119 | 38 | 4 | 4 | 13 | -23 | -24 | -26 | -12 | -13 | 26 | 20 |
| 590 | 119 | 58 | 4 | 4 | 12 | -22 | -24 | -26 | -12 | -12 | 26 | 20 |
| 591 | 120 | 18 | 2 | 3 | 12 | -24 | -26 | -27 | -14 | -13 | 25 | 18 |
| 592 | 120 | 39 | 3 | 4 | 13 | -23 | -25 | -26 | -12 | -12 | 26 | 19 |
| 593 | 120 | 59 | 3 | 4 | 12 | -24 | -25 | -26 | -12 | -12 | 26 | 19 |
| 594 | 121 | 20 | 3 | 5 | 12 | -24 | -24 | -26 | -12 | -12 | 25 | 19 |
| 595 | 121 | 40 | 3 | 5 | 12 | -23 | -25 | -26 | -12 | -13 | 25 | 19 |
| 596 | 122 | 0 | 3 | 5 | 13 | -22 | -25 | -26 | -12 | -13 | 25 | 20 |
| 597 | 122 | 20 | 3 | 4 | 13 | -23 | -25 | -26 | -12 | -13 | 26 | 19 |
| 598 | 122 | 41 | 4 | 5 | 13 | -22 | -24 | -26 | -12 | -12 | 27 | 19 |
| 599 | 123 | 1 | 3 | 4 | 12 | -23 | -25 | -26 | -11 | -12 | 26 | 20 |
| 600 | 123 | 42 | 4 | 4 | 13 | -23 | -26 | -27 | -13 | -13 | 26 | 19 |
| 601 | 124 | 2 | 4 | 4 | 13 | -22 | -24 | -26 | -12 | -12 | 27 | 19 |
| 602 | 124 | 22 | 3 | 4 | 12 | -23 | -25 | -26 | -12 | -13 | 26 | 19 |
| 603 | 124 | 41 | 4 | 4 | 12 | -24 | -24 | -26 | -12 | -13 | 25 | 19 |
| 604 | 125 | 3 | 5 | 5 | 13 | -22 | -23 | -24 | -10 | -11 | 27 | 21 |
| 605 | 125 | 23 | 6 | 5 | 13 | -22 | -22 | -24 | -11 | -11 | 28 | 21 |
| 606 | 125 | 44 | 6 | 5 | 13 | -22 | -22 | -24 | -9 | -12 | 27 | 21 |
| 607 | 126 | 4 | 6 | 4 | 13 | -22 | -22 | -23 | -10 | -11 | 27 | 22 |
| 608 | 126 | 24 | 8 | 6 | 15 | -22 | -20 | -22 | -8 | -10 | 28 | 22 |
| 609 | 126 | 45 | 8 | 6 | 16 | -22 | -20 | -22 | -8 | -10 | 28 | 22 |
| 610 | 127 | 5 | 9 | 6 | 14 | -20 | -19 | -22 | -8 | -10 | 26 | 22 |
| 611 | 127 | 25 | 8 | 6 | 14 | -21 | -20 | -21 | -8 | -10 | 27 | 22 |
| 612 | 127 | 46 | 9 | 6 | 14 | -20 | -20 | -21 | -6 | -9 | 27 | 22 |
| 613 | 128 | 6 | 9 | 7 | 15 | -19 | -18 | -19 | -7 | -8 | 28 | 22 |
| 614 | 128 | 27 | 8 | 7 | 14 | -20 | -20 | -19 | -7 | -8 | 28 | 22 |
| 615 | 128 | 47 | 8 | 8 | 15 | -20 | -18 | -19 | -7 | -8 | 27 | 22 |
| 616 | 129 | 7 | 8 | 7 | 15 | -18 | -18 | -16 | -7 | -7 | 29 | 22 |

| SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C | 4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C | 4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP. DEG.C | 4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|----------------|----------------------|----------------------|---|---|--|--|--|---|--|--|--|---|
| 617 | 129 | 28 | 8 | 6 | 14 | -19 | -18 | -19 | -7 | -7 | 28 | 22 |
| 618 | 129 | 48 | 9 | 7 | 15 | -18 | -18 | -18 | -6 | -7 | 29 | 22 |
| 619 | 130 | 8 | 9 | -6 | 14 | -18 | -18 | -16 | -7 | -7 | 29 | 21 |
| 620 | 130 | 28 | 9 | -7 | 13 | -16 | -16 | -18 | -6 | -7 | 29 | 23 |
| 621 | 130 | 48 | 9 | -6 | 10 | -18 | -18 | -18 | -7 | -7 | 28 | 22 |
| 622 | 131 | 9 | 11 | 8 | 11 | -18 | -19 | -19 | -6 | -7 | 28 | 21 |
| 623 | 131 | 29 | 13 | 2 | 11 | -17 | -19 | -18 | -6 | -6 | 27 | 21 |
| 624 | 131 | 49 | 13 | 4 | 12 | -17 | -17 | -20 | -6 | -7 | 27 | 22 |
| 625 | 132 | 10 | 13 | 5 | 13 | -17 | -22 | -21 | -5 | -8 | 27 | 22 |
| 626 | 132 | 30 | 13 | 6 | 13 | -17 | -23 | -21 | -5 | -7 | 28 | 22 |
| 627 | 132 | 50 | 14 | 6 | 14 | -16 | -23 | -22 | -4 | -6 | 28 | 22 |
| 628 | 133 | 11 | 13 | 7 | 14 | -16 | -24 | -22 | -4 | -6 | 29 | 22 |
| 629 | 133 | 31 | 14 | 7 | 15 | -16 | -25 | -24 | -4 | -6 | 29 | 21 |
| 630 | 133 | 51 | 15 | 7 | 15 | -16 | -25 | -23 | -2 | -5 | 29 | 28 |
| 631 | 134 | 12 | 15 | 8 | 15 | -16 | -26 | -24 | -6 | -6 | 30 | 18 |
| 632 | 134 | 32 | 15 | 8 | 16 | -15 | -24 | -24 | -3 | -6 | 30 | 15 |
| 633 | 134 | 52 | 17 | 10 | 18 | -13 | -23 | -23 | -1 | -5 | 31 | 21 |
| 634 | 135 | 13 | 16 | 10 | 18 | -14 | -25 | -24 | -0 | -4 | 31 | 25 |
| 635 | 135 | 33 | 15 | 9 | 17 | -15 | -26 | -26 | -2 | -5 | 31 | 16 |
| 636 | 135 | 53 | 15 | 10 | 18 | -15 | -26 | -22 | -2 | -4 | 31 | 14 |
| 637 | 136 | 14 | 17 | 11 | 19 | -13 | -25 | -24 | -1 | -4 | 32 | 15 |
| 638 | 136 | 34 | 16 | 10 | 18 | -14 | -25 | -24 | -2 | -5 | 32 | 16 |
| 639 | 136 | 55 | 16 | 18 | 18 | -14 | -25 | -24 | -2 | -5 | 31 | 24 |
| 640 | 137 | 15 | 15 | 11 | 16 | -14 | -24 | -24 | -1 | -6 | 32 | 25 |
| 641 | 137 | 35 | 16 | 10 | 19 | -14 | -24 | -23 | -2 | -4 | 32 | 24 |
| 642 | 137 | 55 | 15 | 9 | 18 | -14 | -24 | -25 | -2 | -5 | 31 | 15 |
| 643 | 138 | 16 | 14 | 10 | 17 | -15 | -25 | -25 | -3 | -6 | 31 | 15 |
| 644 | 138 | 36 | 14 | 9 | 17 | -15 | -25 | -23 | -2 | -5 | 31 | 16 |
| 645 | 138 | 55 | 14 | 8 | 18 | -14 | -25 | -23 | -1 | -4 | 31 | 20 |
| 646 | 139 | 17 | 13 | 8 | 17 | -15 | -21 | -22 | -3 | -5 | 32 | 21 |
| 647 | 139 | 37 | 12 | 8 | 17 | -14 | -21 | -21 | -3 | -5 | 31 | 21 |
| 648 | 139 | 57 | 13 | 9 | 17 | -14 | -21 | -21 | -2 | -5 | 31 | 21 |
| 649 | 140 | 17 | 14 | 9 | 17 | -14 | -21 | -21 | -2 | -5 | 31 | 24 |
| 650 | 140 | 37 | 14 | 9 | 18 | -14 | -21 | -21 | -3 | -5 | 31 | 23 |
| 651 | 140 | 57 | 14 | 8 | 18 | -14 | -22 | -22 | -3 | -5 | 31 | 17 |
| 652 | 141 | 18 | 15 | 9 | 18 | -14 | -22 | -22 | -3 | -5 | 31 | 20 |
| 653 | 141 | 38 | 16 | 9 | 19 | -13 | -23 | -21 | -3 | -5 | 32 | 15 |
| 654 | 141 | 58 | 16 | 10 | 19 | -14 | -24 | -22 | -1 | -5 | 31 | 15 |
| 655 | 142 | 18 | 16 | 10 | 19 | -14 | -24 | -21 | -2 | -5 | 31 | 18 |
| 656 | 142 | 38 | 16 | 11 | 19 | -12 | -23 | -21 | 0 | -3 | 32 | 17 |
| 657 | 142 | 59 | 17 | 10 | 19 | -13 | -24 | -21 | -0 | -5 | 32 | 18 |
| 658 | 143 | 19 | 19 | 12 | 21 | -12 | -25 | -22 | -1 | -4 | 32 | 17 |
| 659 | 143 | 39 | 18 | 11 | 20 | -12 | -25 | -22 | -1 | -4 | 32 | 14 |
| 660 | 143 | 59 | 19 | 11 | 20 | -12 | -25 | -21 | -0 | -4 | 31 | 16 |
| 661 | 144 | 19 | 19 | 11 | 19 | -12 | -25 | -22 | -0 | -4 | 32 | 17 |
| 662 | 144 | 40 | 19 | 11 | 20 | -12 | -26 | -23 | -0 | -4 | 33 | 18 |
| 663 | 145 | 0 | 19 | 11 | 19 | -12 | -26 | -23 | 0 | -4 | 33 | 18 |
| 664 | 145 | 20 | 19 | 11 | 19 | -12 | -26 | -24 | 0 | -4 | 33 | 13 |
| 665 | 145 | 40 | 20 | 11 | 21 | -11 | -26 | -24 | 0 | -4 | 34 | 9 |
| 666 | 146 | 0 | 20 | 11 | 21 | -11 | -26 | -24 | 0 | -3 | 34 | 13 |

HH-53C S/N 60-10354
 ARCTIC TEST
 15 JANUARY 1971
 RUN NO. 3 -40 DEG C / -40 DEG F

| 5-02 TIME | 5-03 TIME | 5-05 ENG.1 OIL | 5-06 ENG.1 OIL | 5-07 ENG.1 OIL | 5-08 ENG.1 FUEL PUMP | 5-09 ENG.1 N.G.B. COOLER OUTLET | 5-10 ENG.1 N.G.B. COOLER INLET | 5-11 ENG.2 N.G.B. COOLER OUTLET | 5-12 ENG.2 N.G.B. COOLER INLET | 5-13 ENG.2 OIL COOLER OUTLET | 5-14 ENG.2 OIL COOLER OUTLET |
|--------------|--------------|----------------------|----------------------|----------------------|-------------------------------|---|--|---|--|--|--|
| MIN. | SEC. | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 272 | 11 | 37 | -36 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 273 | 11 | 57 | -36 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -35 |
| 274 | 12 | 16 | -35 | -36 | -35 | -36 | -36 | -33 | -34 | -34 | -35 |
| 275 | 12 | 35 | * | * | * | * | * | * | * | * | * |
| 276 | 12 | 54 | -36 | -35 | -36 | -36 | -35 | -33 | -34 | -34 | -34 |
| 277 | 13 | 14 | -37 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 278 | 13 | 33 | -37 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 279 | 13 | 53 | -36 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 280 | 14 | 12 | -36 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 281 | 14 | 32 | -36 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 282 | 14 | 51 | -36 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 283 | 15 | 11 | -36 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 284 | 15 | 30 | -36 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 285 | 15 | 50 | -36 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 286 | 16 | 9 | -36 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 287 | 16 | 29 | -36 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 288 | 16 | 48 | -36 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 289 | 17 | 7 | -36 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 290 | 17 | 27 | -36 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 291 | 17 | 46 | -36 | -35 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 292 | 18 | 6 | -35 | -34 | -34 | -35 | -34 | -32 | -33 | -33 | -34 |
| 293 | 18 | 25 | -35 | -34 | -34 | -35 | -34 | -32 | -33 | -33 | -34 |
| 294 | 18 | 44 | -34 | -33 | -33 | -34 | -34 | -31 | -32 | -32 | -32 |
| 295 | 19 | 4 | -34 | -33 | -33 | -34 | -34 | -30 | -31 | -31 | -32 |
| 296 | 19 | 23 | -34 | -33 | -33 | -34 | -34 | -30 | -31 | -31 | -32 |
| 297 | 19 | 43 | -34 | -33 | -33 | -34 | -34 | -30 | -31 | -31 | -32 |
| 298 | 20 | 2 | -34 | -33 | -33 | -34 | -34 | -30 | -31 | -31 | -32 |
| 299 | 20 | 21 | -33 | -32 | -32 | -33 | -33 | -30 | -31 | -31 | -32 |
| 300 | 20 | 41 | -33 | -32 | -32 | -33 | -33 | -30 | -31 | -31 | -32 |
| 301 | 21 | 0 | -33 | -32 | -32 | -33 | -33 | -29 | -30 | -30 | -31 |
| 302 | 21 | 20 | -33 | -32 | -32 | -33 | -33 | -29 | -30 | -30 | -31 |
| 303 | 21 | 39 | -33 | -32 | -32 | -33 | -33 | -29 | -30 | -30 | -31 |
| 304 | 21 | 58 | -32 | -31 | -31 | -32 | -32 | -29 | -30 | -30 | -31 |
| 305 | 22 | 18 | -32 | -31 | -31 | -32 | -32 | -28 | -29 | -29 | -30 |
| 306 | 22 | 37 | -32 | -31 | -31 | -32 | -32 | -28 | -29 | -29 | -30 |
| 307 | 22 | 57 | -32 | -31 | -31 | -32 | -32 | -28 | -29 | -29 | -30 |
| 308 | 23 | 16 | -32 | -31 | -31 | -32 | -32 | -28 | -29 | -29 | -30 |
| 309 | 23 | 36 | -32 | -31 | -31 | -32 | -32 | -28 | -29 | -29 | -30 |
| 310 | 23 | 55 | -32 | -31 | -31 | -32 | -32 | -28 | -29 | -29 | -30 |
| 311 | 24 | 14 | -32 | -31 | -31 | -32 | -32 | -28 | -29 | -29 | -30 |
| 312 | 24 | 34 | -32 | -31 | -31 | -32 | -32 | -28 | -29 | -29 | -30 |
| 313 | 24 | 53 | -32 | -31 | -31 | -32 | -32 | -28 | -29 | -29 | -30 |
| 314 | 25 | 13 | -32 | -31 | -31 | -32 | -32 | -28 | -29 | -29 | -30 |
| 315 | 25 | 32 | -32 | -31 | -31 | -32 | -32 | -28 | -29 | -29 | -30 |
| 316 | 25 | 52 | -32 | -31 | -31 | -32 | -32 | -28 | -29 | -29 | -30 |

| 5-01 SLEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-05 ENG.1 OIL TANK TEMP DEG.C | 5-06 ENG.1 OIL COOLER INLET DEG.C | 5-07 ENG.1 OIL COOLER OUTLET DEG.C | 5-08 ENG.1 FUEL PUMP INLET DEG.C | 5-09 ENG.1 N.G.B. COOLER OUTLET DEG.C | 5-10 ENG.1 N.G.B. COOLER INLET DEG.C | 5-11 ENG.2 N.G.B. COOLER OUTLET DEG.C | 5-12 ENG.2 N.G.B. COOLER INLET DEG.C | 5-13 ENG.2 OIL COOLER INLET DEG.C | 5-14 ENG.2 OIL COOLER OUTLET DEG.C |
|------------------------|----------------------|----------------------|---|--|---|---|--|---|--|---|--|---|
| 317 | 26 | 11 | -33 | -32 | -31 | -31 | -31 | -32 | -29 | -30 | -30 | -30 |
| 318 | 26 | 31 | -32 | -32 | -31 | -31 | -32 | -32 | -28 | -30 | -30 | -30 |
| 319 | 26 | 51 | -33 | -32 | -31 | -31 | -32 | -32 | -29 | -30 | -30 | -30 |
| 320 | 27 | 10 | -33 | -32 | -31 | -31 | -32 | -32 | -29 | -30 | -30 | -30 |
| 321 | 27 | 30 | -32 | -32 | -31 | -31 | -31 | -32 | -29 | -30 | -30 | -30 |
| 322 | 27 | 49 | -33 | -32 | -32 | -31 | -32 | -32 | -29 | -30 | -30 | -30 |
| 323 | 28 | 9 | -33 | -32 | -32 | -31 | -32 | -32 | -29 | -30 | -30 | -30 |
| 324 | 28 | 29 | -33 | -32 | -32 | -31 | -32 | -32 | -29 | -30 | -30 | -30 |
| 325 | 28 | 48 | -33 | -32 | -32 | -31 | -32 | -32 | -29 | -30 | -30 | -30 |
| 326 | 29 | 1 | -33 | -32 | -32 | -32 | -32 | -32 | -29 | -30 | -30 | -30 |
| 327 | 29 | 28 | -33 | -32 | -32 | -32 | -32 | -32 | -29 | -30 | -30 | -30 |
| 328 | 29 | 47 | -33 | -32 | -32 | -32 | -32 | -32 | -29 | -30 | -30 | -30 |
| 329 | 30 | 7 | -33 | -32 | -32 | -32 | -32 | -32 | -29 | -30 | -30 | -30 |
| 330 | 30 | 27 | -33 | -32 | -32 | -31 | -32 | -32 | -29 | -30 | -30 | -30 |
| 331 | 30 | 46 | -33 | -32 | -32 | -32 | -32 | -32 | -29 | -30 | -30 | -30 |
| 332 | 31 | 6 | -33 | -32 | -32 | -31 | -32 | -32 | -29 | -30 | -30 | -30 |
| 333 | 31 | 26 | -33 | -32 | -32 | -32 | -32 | -32 | -29 | -30 | -30 | -30 |
| 334 | 31 | 45 | -34 | -33 | -32 | -31 | -32 | -32 | -30 | -30 | -30 | -30 |
| 335 | 32 | 5 | -34 | -32 | -32 | -32 | -32 | -32 | -30 | -30 | -30 | -30 |
| 336 | 32 | 25 | -34 | -33 | -32 | -32 | -33 | -33 | -30 | -30 | -30 | -30 |
| 337 | 32 | 45 | -34 | -33 | -32 | -32 | -32 | -33 | -30 | -30 | -30 | -30 |
| 338 | 33 | 5 | -34 | -33 | -32 | -32 | -33 | -32 | -29 | -30 | -30 | -30 |
| 339 | 33 | 24 | -34 | -33 | -32 | -32 | -32 | -32 | -30 | -30 | -30 | -30 |
| 340 | 33 | 44 | -34 | -33 | -32 | -32 | -32 | -33 | -30 | -30 | -30 | -30 |
| 341 | 34 | 4 | -34 | -33 | -32 | -32 | -32 | -33 | -30 | -30 | -30 | -30 |
| 342 | 34 | 24 | -34 | -33 | -32 | -32 | -33 | -33 | -30 | -30 | -30 | -30 |
| 343 | 34 | 44 | -34 | -33 | -32 | -32 | -32 | -33 | -30 | -30 | -30 | -30 |
| 344 | 35 | 4 | -34 | -33 | -32 | -32 | -33 | -33 | -30 | -30 | -30 | -30 |
| 345 | 35 | 23 | -34 | -33 | -32 | -32 | -33 | -33 | -30 | -30 | -30 | -30 |
| 346 | 35 | 43 | -34 | -33 | -32 | -32 | -33 | -33 | -30 | -30 | -30 | -30 |
| 347 | 35 | 3 | -34 | -33 | -32 | -32 | -33 | -33 | -30 | -30 | -30 | -30 |
| 348 | 36 | 23 | -34 | -33 | -33 | -31 | -33 | -34 | -30 | -30 | -30 | -30 |
| 349 | 36 | 43 | -34 | -33 | -33 | -32 | -33 | -34 | -30 | -30 | -30 | -30 |
| 350 | 37 | 3 | -34 | -34 | -33 | -33 | -33 | -34 | -30 | -30 | -30 | -30 |
| 351 | 37 | 23 | -34 | -34 | -33 | -33 | -33 | -34 | -30 | -30 | -30 | -30 |
| 352 | 37 | 43 | -34 | -34 | -33 | -33 | -33 | -34 | -31 | -31 | -31 | -31 |
| 353 | 38 | 3 | -34 | -34 | -33 | -33 | -33 | -34 | -31 | -31 | -31 | -31 |
| 354 | 38 | 22 | -34 | -34 | -33 | -33 | -34 | -34 | -31 | -31 | -31 | -31 |
| 355 | 38 | 42 | -35 | -34 | -33 | -33 | -34 | -34 | -31 | -31 | -31 | -31 |
| 356 | 39 | 2 | -34 | -34 | -33 | -33 | -34 | -34 | -31 | -31 | -31 | -31 |
| 357 | 39 | 22 | -35 | -34 | -33 | -33 | -34 | -34 | -31 | -31 | -31 | -31 |
| 358 | 39 | 42 | -35 | -34 | -33 | -33 | -34 | -34 | -31 | -31 | -31 | -31 |
| 359 | 40 | 2 | -35 | -34 | -33 | -33 | -34 | -34 | -31 | -31 | -31 | -31 |
| 360 | 40 | 22 | -35 | -34 | -33 | -33 | -34 | -34 | -31 | -31 | -31 | -31 |
| 361 | 40 | 42 | -35 | -34 | -33 | -33 | -34 | -34 | -31 | -31 | -31 | -31 |
| 362 | 41 | 2 | -35 | -34 | -34 | -34 | -34 | -34 | -31 | -31 | -31 | -31 |
| 363 | 41 | 41 | -35 | -34 | -34 | -34 | -34 | -34 | -31 | -31 | -31 | -31 |
| 364 | 41 | 42 | -36 | -34 | -34 | -34 | -34 | -34 | -31 | -31 | -31 | -31 |
| 365 | 42 | 2 | -36 | -35 | -34 | -34 | -34 | -34 | -31 | -31 | -31 | -31 |
| 366 | 42 | 22 | -36 | -35 | -34 | -34 | -34 | -34 | -31 | -31 | -31 | -31 |

| -01 SWEEP COUNTY | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-05 ENG.1 OIL TANK 1/3LEV DEG.C | 5-06 ENG.1 OIL COOLER INLET OIL DEG.C | 5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C | 5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C | 5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C | 5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C | 5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C | 5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C | 5-13 ENG.2 OIL COOLER OUTLET OIL DEG.C | 5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C |
|------------------------|----------------------|----------------------|---|---|--|---|---|--|---|--|--|--|
| 367 | 42 | 42 | -36 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 368 | 43 | 22 | -36 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -32 |
| 369 | 43 | 22 | -36 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 370 | 43 | 42 | -37 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 371 | 44 | 2 | -36 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 372 | 44 | 22 | -37 | -36 | -36 | -35 | -36 | -36 | -33 | -34 | -34 | -34 |
| 373 | 44 | 42 | -37 | -36 | -36 | -36 | -36 | -36 | -33 | -34 | -34 | -34 |
| 374 | 45 | 2 | -37 | -36 | -35 | -36 | -36 | -36 | -33 | -34 | -34 | -34 |
| 375 | 45 | 22 | -36 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 376 | 45 | 42 | -36 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -32 |
| 377 | 46 | 2 | -37 | -36 | -36 | -35 | -36 | -36 | -33 | -34 | -34 | -33 |
| 378 | 46 | 23 | -37 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 379 | 46 | 43 | -37 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 380 | 47 | 3 | -37 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 381 | 47 | 23 | -37 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 382 | 47 | 43 | -37 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 383 | 48 | 3 | -37 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 384 | 48 | 23 | -36 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 385 | 48 | 43 | -37 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 386 | 49 | 3 | -37 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 387 | 49 | 23 | -37 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 388 | 49 | 43 | -37 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 389 | 50 | 3 | -36 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 390 | 50 | 24 | -36 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 391 | 50 | 44 | -37 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 392 | 51 | 4 | -37 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 393 | 51 | 24 | -36 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 394 | 51 | 44 | -36 | -36 | -35 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 395 | 52 | 4 | -36 | -36 | -34 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 396 | 52 | 24 | -36 | -36 | -34 | -35 | -35 | -36 | -33 | -34 | -34 | -33 |
| 397 | 52 | 44 | -37 | -35 | -34 | -34 | -34 | -35 | -32 | -33 | -33 | -32 |
| 398 | 53 | 5 | -37 | -36 | -35 | -34 | -34 | -35 | -32 | -33 | -33 | -32 |
| 399 | 53 | 25 | -37 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 400 | 53 | 45 | -37 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 401 | 54 | 5 | -37 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 402 | 54 | 25 | -37 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 403 | 54 | 45 | -37 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 404 | 54 | 6 | -37 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 405 | 55 | 26 | -37 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 406 | 55 | 46 | -37 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 407 | 56 | 6 | -37 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 408 | 56 | 26 | -37 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 409 | 56 | 46 | -36 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 410 | 57 | 6 | -37 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 411 | 57 | 26 | -37 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 412 | 57 | 46 | -36 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 413 | 58 | 6 | -37 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 414 | 58 | 26 | -37 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 415 | 58 | 46 | -37 | -36 | -35 | -35 | -35 | -36 | -32 | -33 | -33 | -32 |
| 416 | 59 | 7 | -37 | -36 | -34 | -34 | -34 | -35 | -32 | -33 | -33 | -32 |

| -01 SNAPP COUNT | 5-02 TIME MIS. | 5-03 TIME SEC. | 5-05 | | 5-07 | | 5-09 | | 5-10 | | 5-11 | | 5-12 | | 5-13 | | 5-14 | |
|-----------------------|----------------------|----------------------|--|---|--|---|---|--|---|--|--|---|--|---|--|---|--|---|
| | | | ENG.1 TANK 1/3LEV TEMP DEG.C | ENG.1 OIL COOLER INLET OIL DEG.C | ENG.1 OIL COOLER OUTLET OIL DEG.C | ENG.1 FUEL PUMP INLET FUEL DEG.C | ENG.1 R.G.B. COOLER OUTLET OIL DEG.C | ENG.1 R.G.B. COOLER INLET OIL DEG.C | ENG.1 R.G.B. COOLER OUTLET OIL DEG.C | ENG.1 R.G.B. COOLER INLET OIL DEG.C | ENG.2 OIL COOLER OUTLET OIL DEG.C | ENG.2 OIL COOLER INLET OIL DEG.C | ENG.2 OIL COOLER OUTLET OIL DEG.C | ENG.2 OIL COOLER INLET OIL DEG.C | ENG.2 OIL COOLER OUTLET OIL DEG.C | ENG.2 OIL COOLER INLET OIL DEG.C | ENG.2 OIL COOLER OUTLET OIL DEG.C | ENG.2 OIL COOLER INLET OIL DEG.C |
| 417 | 59 | 27 | -37 | -34 | -34 | -34 | -34 | -34 | -35 | -35 | -0 | -16 | -16 | 20 | 16 | | | |
| 418 | 59 | 47 | -37 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | 15 | -4 | -4 | 28 | 26 | | | |
| 419 | 60 | 7 | -37 | -34 | -34 | -34 | -34 | -34 | -35 | -35 | 28 | 20 | 20 | 35 | 32 | | | |
| 420 | 60 | 27 | -37 | -34 | -34 | -34 | -34 | -34 | -35 | -35 | 39 | 35 | 35 | 41 | 39 | | | |
| 421 | 60 | 47 | -36 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | 50 | 40 | 40 | 46 | 44 | | | |
| 422 | 61 | 7 | -37 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | 58 | 58 | 58 | 51 | 44 | | | |
| 423 | 61 | 28 | -36 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | 61 | 61 | 61 | 56 | 53 | | | |
| 424 | 61 | 48 | -36 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | 61 | 71 | 71 | 60 | 54 | | | |
| 425 | 62 | 8 | -36 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | 61 | 76 | 76 | 63 | 54 | | | |
| 426 | 62 | 28 | -36 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | 62 | 79 | 79 | 65 | 55 | | | |
| 427 | 62 | 48 | -36 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | 63 | 82 | 82 | 67 | 55 | | | |
| 428 | 63 | 8 | -35 | -34 | -34 | -34 | -34 | -34 | -22 | -22 | 63 | 84 | 84 | 68 | 55 | | | |
| 429 | 63 | 28 | -35 | -34 | -34 | -34 | -34 | -34 | -20 | -20 | 64 | 85 | 85 | 69 | 55 | | | |
| 430 | 63 | 48 | -28 | -34 | -34 | -34 | -34 | -34 | -4 | -4 | 64 | 86 | 86 | 69 | 54 | | | |
| 431 | 64 | 8 | -16 | -34 | -34 | -34 | -34 | -34 | 11 | 11 | 63 | 86 | 86 | 70 | 55 | | | |
| 432 | 64 | 28 | -12 | -34 | -34 | -34 | -34 | -34 | 18 | 18 | 63 | 85 | 85 | 70 | 55 | | | |
| 433 | 64 | 48 | 5 | -34 | -34 | -34 | -34 | -34 | 24 | 24 | 62 | 85 | 85 | 70 | 55 | | | |
| 434 | 65 | 8 | 13 | -34 | -34 | -34 | -34 | -34 | 29 | 29 | 63 | 87 | 87 | 71 | 55 | | | |
| 435 | 65 | 28 | 21 | -34 | -34 | -34 | -34 | -34 | 41 | 41 | 62 | 87 | 87 | 70 | 55 | | | |
| 436 | 65 | 48 | 26 | -34 | -34 | -34 | -34 | -34 | 48 | 48 | 62 | 87 | 87 | 71 | 55 | | | |
| 437 | 66 | 8 | 40 | -34 | -34 | -34 | -34 | -34 | 54 | 54 | 63 | 86 | 86 | 71 | 57 | | | |
| 438 | 66 | 28 | 35 | -34 | -34 | -34 | -34 | -34 | 59 | 59 | 62 | 86 | 86 | 72 | 57 | | | |
| 439 | 66 | 48 | 41 | -34 | -34 | -34 | -34 | -34 | 62 | 62 | 62 | 86 | 86 | 73 | 57 | | | |
| 440 | 67 | 9 | 44 | -34 | -34 | -34 | -34 | -34 | 66 | 66 | 62 | 86 | 86 | 73 | 57 | | | |
| 441 | 67 | 29 | 47 | -34 | -34 | -34 | -34 | -34 | 66 | 66 | 62 | 86 | 86 | 73 | 57 | | | |
| 442 | 67 | 49 | 48 | -34 | -34 | -34 | -34 | -34 | 68 | 68 | 62 | 88 | 88 | 74 | 58 | | | |
| 443 | 68 | 9 | 50 | -34 | -34 | -34 | -34 | -34 | 68 | 68 | 62 | 88 | 88 | 74 | 58 | | | |
| 444 | 68 | 29 | 50 | -34 | -34 | -34 | -34 | -34 | 67 | 67 | 61 | 87 | 87 | 74 | 57 | | | |
| 445 | 68 | 49 | 51 | -34 | -34 | -34 | -34 | -34 | 61 | 61 | 61 | 87 | 87 | 74 | 57 | | | |
| 446 | 69 | 9 | 51 | -34 | -34 | -34 | -34 | -34 | 81 | 81 | 61 | 87 | 87 | 74 | 57 | | | |
| 447 | 69 | 29 | 52 | -34 | -34 | -34 | -34 | -34 | 83 | 83 | 61 | 86 | 86 | 75 | 57 | | | |
| 448 | 69 | 49 | 52 | -34 | -34 | -34 | -34 | -34 | 64 | 64 | 61 | 88 | 88 | 75 | 57 | | | |
| 449 | 70 | 9 | 52 | -34 | -34 | -34 | -34 | -34 | 64 | 64 | 62 | 88 | 88 | 75 | 58 | | | |
| 450 | 70 | 29 | 52 | -34 | -34 | -34 | -34 | -34 | 64 | 64 | 62 | 88 | 88 | 76 | 58 | | | |
| 451 | 70 | 49 | 53 | -34 | -34 | -34 | -34 | -34 | 64 | 64 | 61 | 87 | 87 | 76 | 58 | | | |
| 452 | 71 | 9 | 52 | -34 | -34 | -34 | -34 | -34 | 64 | 64 | 61 | 86 | 86 | 75 | 58 | | | |
| 453 | 71 | 30 | 52 | -34 | -34 | -34 | -34 | -34 | 64 | 64 | 61 | 86 | 86 | 75 | 58 | | | |
| 454 | 71 | 50 | 52 | -34 | -34 | -34 | -34 | -34 | 63 | 63 | 59 | 85 | 85 | 75 | 56 | | | |
| 455 | 72 | 10 | 54 | -34 | -34 | -34 | -34 | -34 | 64 | 64 | 59 | 85 | 85 | 75 | 56 | | | |
| 456 | 72 | 30 | 54 | -34 | -34 | -34 | -34 | -34 | 64 | 64 | 59 | 86 | 86 | 75 | 58 | | | |
| 457 | 72 | 50 | 54 | -34 | -34 | -34 | -34 | -34 | 65 | 65 | 61 | 86 | 86 | 76 | 59 | | | |
| 458 | 73 | 10 | 55 | -34 | -34 | -34 | -34 | -34 | 65 | 65 | 61 | 86 | 86 | 76 | 59 | | | |
| 459 | 73 | 30 | 54 | -34 | -34 | -34 | -34 | -34 | 65 | 65 | 62 | 88 | 88 | 77 | 59 | | | |
| 460 | 73 | 50 | 54 | -34 | -34 | -34 | -34 | -34 | 64 | 64 | 61 | 86 | 86 | 76 | 59 | | | |
| 461 | 74 | 11 | 54 | -34 | -34 | -34 | -34 | -34 | 64 | 64 | 61 | 87 | 87 | 76 | 59 | | | |
| 462 | 74 | 31 | 54 | -34 | -34 | -34 | -34 | -34 | 64 | 64 | 62 | 87 | 87 | 77 | 59 | | | |
| 463 | 74 | 51 | 55 | -34 | -34 | -34 | -34 | -34 | 64 | 64 | 61 | 86 | 86 | 75 | 59 | | | |
| 464 | 75 | 11 | 54 | -34 | -34 | -34 | -34 | -34 | 65 | 65 | 62 | 88 | 88 | 77 | 60 | | | |
| 465 | 75 | 31 | 54 | -34 | -34 | -34 | -34 | -34 | 65 | 65 | 61 | 88 | 88 | 77 | 60 | | | |
| 466 | 75 | 51 | 55 | -34 | -34 | -34 | -34 | -34 | 64 | 64 | 61 | 88 | 88 | 76 | 59 | | | |
| 466 | 75 | 51 | 55 | -34 | -34 | -34 | -34 | -34 | 61 | 61 | 61 | 87 | 87 | 78 | 55 | | | |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-05 ENG-1 TANK 1/3LEV TEMP DEG.C | 5-06 ENG-1 OIL COOLER INLET OIL DEG.C | 5-07 ENG-1 OIL COOLER OUTLET OIL DEG.C | 5-08 ENG-1 FUEL PUMP INLET FUEL DEG.C | 5-09 ENG-1 N.G.B. COOLER OUTLET OIL DEG.C | 5-10 ENG-1 N.G.B. COOLER INLET OIL DEG.C | 5-11 ENG-2 N.G.B. COOLER OUTLET OIL DEG.C | 5-12 ENG-2 N.G.B. COOLER INLET OIL DEG.C | 5-13 ENG-2 OIL COOLER INLET OIL DEG.C | 5-14 ENG-2 OIL COOLER OUTLET OIL DEG.C |
|-----------------------|----------------------|----------------------|--|---|--|---|---|--|---|--|---|--|
| 467 | 76 | 12 | 52 | 74 | 51 | -23 | 61 | 88 | 61 | 87 | 78 | 86 |
| 468 | 76 | 32 | 52 | 73 | 54 | -23 | 62 | 89 | 62 | 88 | 77 | 88 |
| 469 | 76 | 52 | 53 | 75 | 55 | -23 | 63 | 89 | 61 | 88 | 77 | 88 |
| 470 | 77 | 12 | 54 | 73 | 54 | -22 | 63 | 88 | 61 | 88 | 78 | 88 |
| 471 | 77 | 32 | 54 | 75 | 53 | -23 | 62 | 88 | 61 | 88 | 78 | 88 |
| 472 | 77 | 52 | 53 | 74 | 53 | -23 | 68 | 89 | 61 | 88 | 78 | 88 |
| 473 | 78 | 13 | 54 | 74 | 55 | -23 | 64 | 89 | 61 | 88 | 78 | 88 |
| 474 | 78 | 33 | 55 | 74 | 55 | -23 | 64 | 89 | 61 | 88 | 78 | 88 |
| 475 | 78 | 53 | 55 | 74 | 56 | -23 | 65 | 90 | 62 | 88 | 78 | 88 |
| 476 | 79 | 13 | 55 | 74 | 56 | -23 | 65 | 89 | 61 | 88 | 78 | 88 |
| 477 | 79 | 34 | 55 | 75 | 52 | -22 | 62 | 89 | 61 | 88 | 78 | 88 |
| 478 | 79 | 54 | 54 | 76 | 55 | -22 | 64 | 89 | 62 | 88 | 78 | 88 |
| 479 | 80 | 14 | 54 | 76 | 58 | -22 | 66 | 88 | 62 | 87 | 78 | 88 |
| 480 | 80 | 34 | 55 | 75 | 52 | -22 | 62 | 88 | 61 | 88 | 79 | 88 |
| 481 | 80 | 55 | 54 | 76 | 55 | -22 | 64 | 89 | 62 | 87 | 79 | 88 |
| 482 | 81 | 15 | 54 | 75 | 56 | -22 | 65 | 89 | 62 | 87 | 78 | 88 |
| 483 | 81 | 35 | 55 | 75 | 58 | -22 | 66 | 90 | 62 | 88 | 78 | 88 |
| 484 | 81 | 56 | 56 | 75 | 55 | -22 | 64 | 89 | 62 | 88 | 78 | 88 |
| 485 | 82 | 16 | 55 | 78 | 54 | -22 | 62 | 91 | 63 | 90 | 82 | 88 |
| 486 | 82 | 36 | 54 | 81 | 56 | -24 | 66 | 91 | 64 | 91 | 83 | 88 |
| 487 | 82 | 56 | 55 | 81 | 57 | -24 | 65 | 93 | 64 | 92 | 83 | 88 |
| 488 | 83 | 17 | 56 | 83 | 55 | -23 | 64 | 93 | 63 | 92 | 85 | 88 |
| 489 | 83 | 37 | 55 | 83 | 57 | -23 | 65 | 94 | 63 | 92 | 85 | 88 |
| 490 | 83 | 57 | 55 | 82 | 58 | -22 | 66 | 95 | 63 | 92 | 83 | 88 |
| 491 | 84 | 17 | 56 | 81 | 58 | -21 | 66 | 94 | 63 | 91 | 82 | 88 |
| 492 | 84 | 38 | 56 | 81 | 57 | -22 | 66 | 94 | 62 | 91 | 82 | 88 |
| 493 | 84 | 58 | 56 | 82 | 59 | -20 | 66 | 95 | 63 | 92 | 83 | 88 |
| 494 | 85 | 18 | 57 | 82 | 57 | -22 | 66 | 94 | 63 | 91 | 83 | 88 |
| 495 | 85 | 38 | 57 | 82 | 57 | -22 | 66 | 95 | 64 | 91 | 85 | 88 |
| 496 | 85 | 59 | 57 | 83 | 58 | -21 | 66 | 95 | 63 | 91 | 84 | 88 |
| 497 | 86 | 19 | 57 | 83 | 58 | -22 | 66 | 94 | 64 | 91 | 85 | 88 |
| 498 | 86 | 39 | 57 | 83 | 60 | -22 | 67 | 95 | 63 | 91 | 84 | 88 |
| 499 | 87 | 0 | 58 | 83 | 58 | -22 | 66 | 95 | 63 | 91 | 85 | 88 |
| 500 | 87 | 20 | 58 | 83 | 60 | -21 | 67 | 95 | 64 | 91 | 85 | 88 |
| 501 | 87 | 40 | 58 | 83 | 61 | -22 | 68 | 95 | 64 | 91 | 85 | 88 |
| 502 | 88 | 0 | 59 | 84 | 59 | -22 | 66 | 95 | 63 | 91 | 85 | 88 |
| 503 | 88 | 21 | 59 | 85 | 58 | -22 | 66 | 95 | 63 | 91 | 86 | 88 |
| 504 | 88 | 41 | 59 | 85 | 59 | -21 | 66 | 95 | 64 | 92 | 86 | 88 |
| 505 | 89 | 1 | 59 | 85 | 59 | -22 | 66 | 95 | 63 | 92 | 86 | 88 |
| 506 | 89 | 22 | 59 | 85 | 59 | -21 | 66 | 94 | 64 | 92 | 86 | 88 |
| 507 | 89 | 42 | 58 | 84 | 58 | -22 | 65 | 95 | 63 | 91 | 86 | 88 |
| 508 | 90 | 2 | 57 | 84 | 58 | -21 | 66 | 95 | 63 | 92 | 86 | 88 |
| 509 | 90 | 23 | 58 | 85 | 58 | -21 | 66 | 95 | 63 | 92 | 86 | 88 |
| 510 | 90 | 43 | 58 | 85 | 59 | -22 | 67 | 95 | 63 | 91 | 86 | 88 |
| 511 | 91 | 3 | 58 | 85 | 59 | -21 | 67 | 94 | 62 | 91 | 86 | 88 |
| 512 | 91 | 24 | 59 | 85 | 59 | -21 | 67 | 94 | 62 | 91 | 86 | 88 |
| 513 | 91 | 44 | 59 | 84 | 61 | -22 | 68 | 95 | 62 | 91 | 85 | 88 |
| 514 | 92 | 5 | 59 | 84 | 61 | -22 | 65 | 94 | 61 | 90 | 85 | 88 |
| 515 | 92 | 25 | 59 | 84 | 62 | -22 | 65 | 94 | 62 | 89 | 85 | 88 |
| 516 | 92 | 46 | 57 | 83 | 58 | -21 | 65 | 93 | 61 | 88 | 85 | 88 |

| COUNT | TIME | TIME | 5-03 | 5-05 | 5-06 | 5-07 | 5-08 | 5-09 | 5-10 | 5-11 | 5-12 | 5-13 | 5-14 |
|-------|------|------|-------|---------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| | MIN. | SEC. | TEMP | 1/32LEV | COOLER | COOLER | FUEL | N.G.B. | N.G.B. | H-G.B. | N.G.B. | COOLER | ENG.2 |
| | | | DEG.C | OIL | INLET | OUTLET | PUMP | COOLER | COOLER | COOLER | COOLER | INLET | COOLER |
| | | | DEG.C | DEG.C | OIL | OIL | FUEL | OIL | OIL | OIL | OIL | OIL | OIL |
| | | | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 517 | 93 | 6 | 56 | 43 | 43 | 57 | -21 | 65 | 93 | 61 | 89 | 85 | 59 |
| 518 | 93 | 30 | 57 | 83 | 83 | 58 | -21 | 66 | 92 | 61 | 89 | 85 | 59 |
| 519 | 95 | 47 | 56 | 83 | 83 | 57 | -26 | 65 | 92 | 61 | 88 | 85 | 59 |
| 520 | 96 | 8 | 57 | 83 | 83 | 57 | -27 | 65 | 93 | 61 | 88 | 85 | 59 |
| 521 | 96 | 28 | 57 | 83 | 83 | 59 | -27 | 65 | 92 | 61 | 88 | 85 | 60 |
| 522 | 96 | 49 | 57 | 83 | 83 | 58 | -28 | 66 | 92 | 61 | 88 | 84 | 60 |
| 523 | 97 | 9 | 57 | 83 | 83 | 59 | -28 | 66 | 93 | 61 | 88 | 85 | 60 |
| 524 | 97 | 30 | 57 | 83 | 83 | 59 | -28 | 67 | 93 | 61 | 88 | 85 | 60 |
| 525 | 97 | 51 | 58 | 83 | 83 | 58 | -28 | 65 | 92 | 61 | 88 | 85 | 59 |
| 526 | 98 | 11 | 58 | 83 | 83 | 57 | -29 | 64 | 92 | 60 | 88 | 84 | 59 |
| 527 | 98 | 32 | 57 | 84 | 84 | 57 | -24 | 65 | 92 | 61 | 88 | 85 | 59 |
| 528 | 98 | 52 | 57 | 84 | 84 | 59 | -28 | 66 | 92 | 62 | 87 | 84 | 60 |
| 529 | 99 | 13 | 57 | 83 | 83 | 58 | -28 | 65 | 92 | 60 | 87 | 84 | 59 |
| 530 | 99 | 34 | 57 | 83 | 83 | 57 | -28 | 65 | 92 | 60 | 87 | 84 | 60 |
| 531 | 99 | 54 | 57 | 83 | 83 | 58 | -28 | 67 | 92 | 61 | 87 | 84 | 59 |
| 532 | 100 | 15 | 57 | 82 | 82 | 61 | -28 | 70 | 92 | 62 | 87 | 83 | 62 |
| 533 | 100 | 35 | 58 | 82 | 82 | 59 | -28 | 67 | 93 | 63 | 88 | 84 | 62 |
| 534 | 100 | 56 | 59 | 82 | 82 | 60 | -29 | 68 | 93 | 63 | 88 | 83 | 61 |
| 535 | 101 | 16 | 58 | 81 | 81 | 59 | -30 | 66 | 92 | 62 | 88 | 86 | 60 |
| 536 | 101 | 37 | 59 | 82 | 82 | 58 | -30 | 68 | 92 | 62 | 88 | 83 | 62 |
| 537 | 101 | 57 | 59 | 82 | 82 | 59 | -29 | 68 | 93 | 62 | 88 | 82 | 60 |
| 538 | 102 | 18 | 59 | 82 | 82 | 59 | -30 | 68 | 93 | 62 | 88 | 83 | 60 |
| 539 | 102 | 38 | 59 | 82 | 82 | 59 | -29 | 67 | 92 | 61 | 88 | 82 | 59 |
| 540 | 102 | 59 | 57 | 81 | 81 | 59 | -30 | 67 | 92 | 61 | 88 | 83 | 61 |
| 541 | 103 | 19 | 58 | 82 | 82 | 58 | -29 | 66 | 93 | 61 | 87 | 81 | 61 |
| 542 | 103 | 40 | 58 | 80 | 80 | 58 | -29 | 66 | 93 | 62 | 88 | 82 | 59 |
| 543 | 104 | 0 | 57 | 80 | 80 | 58 | -30 | 66 | 93 | 62 | 88 | 81 | 60 |
| 544 | 104 | 21 | 58 | 81 | 81 | 58 | -30 | 67 | 93 | 62 | 88 | 82 | 61 |
| 545 | 104 | 41 | 58 | 80 | 80 | 58 | -30 | 66 | 93 | 62 | 88 | 82 | 61 |
| 546 | 105 | 2 | 58 | 80 | 80 | 58 | -29 | 66 | 93 | 62 | 88 | 81 | 60 |
| 547 | 105 | 22 | 57 | 80 | 80 | 58 | -29 | 65 | 92 | 62 | 88 | 81 | 61 |
| 548 | 105 | 43 | 57 | 80 | 80 | 58 | -29 | 65 | 92 | 61 | 88 | 82 | 60 |
| 549 | 106 | 3 | 57 | 79 | 79 | 57 | -30 | 65 | 92 | 62 | 88 | 81 | 59 |
| 550 | 106 | 24 | 57 | 80 | 80 | 58 | -29 | 65 | 93 | 61 | 88 | 81 | 60 |
| 551 | 106 | 44 | 56 | 79 | 79 | 58 | -30 | 68 | 92 | 62 | 88 | 81 | 60 |
| 552 | 107 | 5 | 57 | 80 | 80 | 59 | -29 | 66 | 93 | 61 | 88 | 81 | 60 |
| 553 | 107 | 25 | 56 | 79 | 79 | 58 | -29 | 67 | 92 | 62 | 87 | 81 | 60 |
| 554 | 107 | 45 | 58 | 80 | 80 | 59 | -29 | 67 | 93 | 62 | 88 | 81 | 61 |
| 555 | 108 | 6 | 57 | 79 | 79 | 57 | -29 | 65 | 92 | 61 | 88 | 81 | 61 |
| 556 | 108 | 26 | 57 | 80 | 80 | 59 | -29 | 68 | 93 | 63 | 88 | 81 | 62 |
| 557 | 108 | 47 | 57 | 80 | 80 | 58 | -30 | 68 | 93 | 63 | 88 | 81 | 62 |
| 558 | 109 | 7 | 57 | 80 | 80 | 57 | -28 | 66 | 93 | 62 | 89 | 82 | 60 |
| 559 | 109 | 28 | 56 | 79 | 79 | 58 | -30 | 67 | 92 | 62 | 88 | 81 | 60 |
| 560 | 109 | 48 | 58 | 80 | 80 | 59 | -29 | 68 | 93 | 62 | 89 | 82 | 61 |
| 561 | 110 | 9 | 58 | 80 | 80 | 58 | -30 | 68 | 92 | 62 | 88 | 81 | 60 |
| 562 | 110 | 29 | 58 | 80 | 80 | 59 | -29 | 68 | 93 | 63 | 88 | 81 | 61 |
| 563 | 110 | 50 | 57 | 80 | 80 | 57 | -29 | 66 | 93 | 62 | 89 | 81 | 60 |
| 564 | 111 | 10 | 58 | 79 | 79 | 59 | -29 | 68 | 93 | 62 | 89 | 81 | 61 |
| 565 | 111 | 31 | 58 | 80 | 80 | 58 | -29 | 68 | 93 | 62 | 89 | 81 | 61 |
| 566 | 111 | 51 | 57 | 79 | 79 | 55 | -29 | 64 | 93 | 61 | 88 | 81 | 58 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-05 ENG.1 OIL TANK 1/3LEV TEMP DEG.C | 5-06 ENG.1 OIL COOLER INLET OIL DEG.C | 5-07 ENG.1 OIL COOLER OIL DEG.C | 5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C | 5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C | 5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C | 5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C | 5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C | 5-13 ENG.2 OIL COOLER INLET OIL DEG.C | 5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|--|---|--|---|--|
| 567 | 112 | 12 | 57 | 79 | 59 | -29 | 69 | 92 | 62 | 88 | 81 | 61 |
| 568 | 112 | 32 | 57 | 79 | 57 | -28 | 66 | 93 | 62 | 89 | 81 | 59 |
| 569 | 112 | 53 | 57 | 80 | 59 | -28 | 67 | 93 | 62 | 88 | 81 | 62 |
| 570 | 113 | 13 | 57 | 79 | 61 | -29 | 70 | 93 | 64 | 88 | 81 | 62 |
| 571 | 113 | 33 | 58 | 79 | 58 | -29 | 68 | 94 | 63 | 89 | 81 | 62 |
| 572 | 113 | 54 | 57 | 79 | 57 | -29 | 66 | 93 | 62 | 88 | 81 | 59 |
| 573 | 114 | 14 | 58 | 80 | 58 | -28 | 66 | 93 | 62 | 88 | 81 | 61 |
| 574 | 114 | 34 | 57 | 79 | 57 | -28 | 66 | 92 | 61 | 88 | 81 | 59 |
| 575 | 114 | 55 | 58 | 79 | 58 | -28 | 67 | 93 | 62 | 89 | 81 | 59 |
| 576 | 115 | 15 | 57 | 79 | 59 | -28 | 67 | 93 | 62 | 87 | 80 | 60 |
| 577 | 115 | 35 | 58 | 79 | 58 | -28 | 68 | 93 | 62 | 88 | 81 | 61 |
| 578 | 115 | 56 | 58 | 79 | 58 | -27 | 68 | 92 | 62 | 89 | 81 | 61 |
| 579 | 116 | 16 | 59 | 80 | 59 | -28 | 68 | 93 | 62 | 89 | 81 | 61 |
| 580 | 116 | 37 | 58 | 80 | 58 | -26 | 67 | 93 | 62 | 88 | 81 | 60 |
| 581 | 116 | 57 | 56 | 79 | 56 | -28 | 66 | 93 | 62 | 87 | 81 | 60 |
| 582 | 117 | 17 | 58 | 79 | 58 | -28 | 67 | 93 | 61 | 86 | 81 | 60 |
| 583 | 117 | 38 | 56 | 79 | 56 | -28 | 66 | 93 | 62 | 88 | 80 | 59 |
| 584 | 117 | 58 | 57 | 80 | 58 | -27 | 66 | 93 | 61 | 88 | 81 | 59 |
| 585 | 118 | 18 | 57 | 79 | 56 | -27 | 67 | 93 | 61 | 88 | 81 | 59 |
| 586 | 118 | 39 | 57 | 79 | 58 | -27 | 67 | 93 | 62 | 87 | 81 | 61 |
| 587 | 118 | 59 | 58 | 80 | 58 | -26 | 67 | 93 | 63 | 88 | 81 | 61 |
| 588 | 119 | 19 | 58 | 79 | 59 | -26 | 68 | 93 | 62 | 87 | 81 | 61 |
| 589 | 119 | 40 | 58 | 80 | 58 | -26 | 68 | 93 | 62 | 88 | 82 | 60 |
| 590 | 120 | 0 | 59 | 80 | 59 | -26 | 68 | 93 | 62 | 88 | 82 | 60 |
| 591 | 120 | 21 | 57 | 79 | 57 | -27 | 66 | 93 | 62 | 88 | 81 | 60 |
| 592 | 120 | 41 | 58 | 80 | 58 | -26 | 68 | 93 | 62 | 88 | 82 | 61 |
| 593 | 121 | 2 | 57 | 79 | 58 | -27 | 67 | 92 | 61 | 87 | 81 | 60 |
| 594 | 121 | 22 | 57 | 80 | 57 | -26 | 67 | 94 | 61 | 89 | 82 | 61 |
| 595 | 121 | 42 | 57 | 80 | 58 | -26 | 68 | 93 | 62 | 89 | 82 | 61 |
| 596 | 122 | 3 | 57 | 80 | 58 | -26 | 66 | 93 | 61 | 88 | 81 | 60 |
| 597 | 122 | 23 | 56 | 79 | 57 | -26 | 66 | 92 | 61 | 87 | 80 | 59 |
| 598 | 122 | 43 | 57 | 80 | 58 | -25 | 67 | 93 | 62 | 87 | 81 | 60 |
| 599 | 123 | 3 | 57 | 79 | 57 | -26 | 66 | 92 | 61 | 87 | 81 | 59 |
| 0 | 123 | 44 | 57 | 79 | 57 | -25 | 66 | 93 | 61 | 88 | 80 | 59 |
| 601 | 124 | 4 | 57 | 79 | 56 | -25 | 66 | 93 | 61 | 88 | 81 | 59 |
| 602 | 124 | 25 | 56 | 79 | 54 | -25 | 64 | 92 | 60 | 88 | 81 | 58 |
| 603 | 124 | 45 | 55 | 79 | 54 | -25 | 64 | 91 | 60 | 87 | 80 | 58 |
| 604 | 125 | 5 | 55 | 80 | 56 | -24 | 65 | 92 | 61 | 88 | 81 | 58 |
| 605 | 125 | 26 | 55 | 80 | 55 | -24 | 64 | 92 | 61 | 88 | 81 | 58 |
| 606 | 125 | 46 | 55 | 79 | 56 | -22 | 65 | 92 | 61 | 88 | 80 | 59 |
| 607 | 126 | 6 | 54 | 79 | 55 | -24 | 65 | 91 | 59 | 87 | 80 | 58 |
| 608 | 126 | 27 | 55 | 79 | 55 | -23 | 64 | 91 | 59 | 87 | 80 | 57 |
| 609 | 126 | 47 | 54 | 80 | 55 | -22 | 65 | 91 | 60 | 87 | 81 | 58 |
| 610 | 127 | 7 | 54 | 81 | 55 | -22 | 66 | 92 | 61 | 88 | 82 | 57 |
| 611 | 127 | 28 | 55 | 80 | 56 | -22 | 65 | 92 | 60 | 88 | 82 | 57 |
| 612 | 127 | 48 | 55 | 80 | 56 | -23 | 65 | 91 | 59 | 87 | 81 | 58 |
| 613 | 128 | 9 | 56 | 81 | 56 | -22 | 67 | 92 | 60 | 88 | 83 | 59 |
| 614 | 128 | 29 | 56 | 81 | 56 | -22 | 66 | 93 | 60 | 87 | 82 | 59 |
| 615 | 128 | 49 | 55 | 81 | 56 | -22 | 64 | 93 | 59 | 87 | 82 | 58 |
| 616 | 129 | 10 | 56 | 81 | 57 | -21 | 66 | 92 | 59 | 88 | 83 | 59 |

| TIME | MIN. | SEC. | 5-07 TIME | 5-08 ENG.1 OIL TANK 1/3LEV DEG.C | 5-06 ENG.1 OIL COOLER INLET OIL DEG.C | 5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C | 5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C | 5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C | 5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C | 5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C | 5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C | 5-13 ENG.2 OIL COOLER INLET OIL DEG.C | 5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C |
|------|------|------|--------------|---|---|--|---|---|--|---|--|---|--|
| 617 | 129 | 30 | 56 | 55 | 80 | 56 | -22 | 66 | 92 | 60 | 86 | 82 | 59 |
| 618 | 129 | 50 | 56 | 55 | 80 | 56 | -21 | 64 | 91 | 60 | 87 | 81 | 58 |
| 619 | 130 | 10 | 55 | 55 | 79 | 55 | -22 | 64 | 91 | 60 | 86 | 79 | 58 |
| 620 | 130 | 30 | 57 | 55 | 79 | 57 | -22 | 66 | 92 | 60 | 86 | 79 | 58 |
| 621 | 130 | 51 | 58 | 55 | 77 | 58 | -22 | 68 | 91 | 60 | 86 | 78 | 58 |
| 622 | 131 | 11 | 56 | 55 | 77 | 56 | -23 | 66 | 90 | 61 | 86 | 78 | 59 |
| 623 | 131 | 31 | 55 | 55 | 79 | 55 | -23 | 64 | 92 | 62 | 88 | 81 | 56 |
| 624 | 131 | 52 | 56 | 56 | 81 | 52 | -22 | 62 | 91 | 61 | 87 | 82 | 55 |
| 625 | 132 | 12 | 54 | 54 | 80 | 54 | -23 | 64 | 91 | 59 | 87 | 78 | 54 |
| 626 | 132 | 32 | 56 | 56 | 78 | 56 | -22 | 65 | 91 | 59 | 86 | 78 | 55 |
| 627 | 132 | 53 | 55 | 55 | 77 | 55 | -22 | 65 | 91 | 59 | 86 | 78 | 55 |
| 628 | 133 | 13 | 55 | 55 | 76 | 55 | -22 | 65 | 90 | 59 | 85 | 77 | 58 |
| 629 | 133 | 33 | 55 | 55 | 76 | 55 | -22 | 64 | 90 | 59 | 85 | 77 | 58 |
| 630 | 133 | 54 | 55 | 55 | 76 | 56 | -21 | 66 | 90 | 60 | 84 | 77 | 59 |
| 631 | 134 | 14 | 54 | 54 | 75 | 56 | -22 | 66 | 89 | 60 | 84 | 77 | 59 |
| 632 | 134 | 34 | 55 | 55 | 74 | 54 | -21 | 63 | 89 | 60 | 84 | 77 | 59 |
| 633 | 134 | 55 | 55 | 55 | 75 | 55 | -22 | 65 | 89 | 60 | 85 | 76 | 58 |
| 634 | 135 | 15 | 54 | 54 | * | 55 | -20 | 65 | 90 | 59 | 86 | 76 | 57 |
| 635 | 135 | 35 | 54 | 54 | 74 | 54 | -21 | 64 | 89 | 59 | 86 | 76 | 57 |
| 636 | 135 | 56 | 54 | 54 | 74 | 55 | -21 | 65 | 89 | 60 | 85 | 76 | 58 |
| 637 | 136 | 16 | 54 | 54 | 76 | 55 | -20 | 65 | 90 | 60 | 85 | 77 | 56 |
| 638 | 136 | 37 | 53 | 53 | 76 | 53 | -22 | 64 | 89 | 60 | 86 | 78 | 56 |
| 639 | 136 | 57 | 52 | 52 | 77 | 59 | -22 | 68 | 90 | 62 | 88 | 78 | 60 |
| 640 | 137 | 17 | 56 | 56 | 77 | 58 | -21 | 67 | 92 | 62 | 89 | 79 | 61 |
| 641 | 137 | 37 | 55 | 55 | 76 | 58 | -22 | 66 | 93 | 63 | 89 | 79 | 61 |
| 642 | 137 | 58 | 56 | 56 | 77 | 55 | -22 | 67 | 92 | 63 | 89 | 81 | 56 |
| 643 | 138 | 18 | 55 | 55 | 78 | 54 | -21 | 63 | 93 | 61 | 88 | 81 | 57 |
| 644 | 138 | 39 | 55 | 55 | 80 | 54 | -21 | 65 | 92 | 61 | 89 | 81 | 57 |
| 645 | 138 | 59 | 55 | 55 | 82 | 55 | -20 | 65 | 93 | 61 | 89 | 82 | 58 |
| 646 | 139 | 19 | 54 | 54 | 80 | 56 | -21 | 65 | 92 | 61 | 89 | 82 | 58 |
| 647 | 139 | 39 | 54 | 54 | 79 | 55 | -20 | 65 | 92 | 60 | 87 | 82 | 57 |
| 648 | 139 | 59 | 55 | 55 | 77 | 61 | -21 | 71 | 92 | 62 | 87 | 79 | 62 |
| 649 | 140 | 20 | 56 | 56 | 78 | 56 | -22 | 65 | 92 | 62 | 88 | 79 | 59 |
| 650 | 140 | 40 | 55 | 55 | 77 | 57 | -22 | 66 | 92 | 62 | 88 | 80 | 59 |
| 651 | 141 | 0 | 56 | 56 | 77 | 56 | -21 | 65 | 92 | 61 | 88 | 79 | 58 |
| 652 | 141 | 20 | 56 | 56 | 77 | 56 | -21 | 65 | 92 | 60 | 88 | 79 | 58 |
| 653 | 141 | 40 | 55 | 55 | 76 | 58 | -20 | 65 | 91 | 60 | 87 | 79 | 58 |
| 654 | 142 | 0 | 55 | 55 | 76 | 56 | -21 | 65 | 91 | 60 | 86 | 77 | 58 |
| 655 | 142 | 21 | 54 | 54 | 78 | 54 | -20 | 63 | 91 | 61 | 87 | 78 | 58 |
| 656 | 142 | 41 | 54 | 54 | 76 | 53 | -20 | 63 | 89 | 60 | 86 | 77 | 55 |
| 657 | 143 | 1 | 54 | 54 | 75 | 56 | -20 | 66 | 89 | 60 | 86 | 77 | 58 |
| 658 | 143 | 21 | 55 | 55 | 76 | 54 | -20 | 63 | 89 | 59 | 86 | 77 | 57 |
| 659 | 143 | 41 | 54 | 54 | 75 | 55 | -20 | 65 | 89 | 60 | 86 | 76 | 58 |
| 660 | 144 | 2 | 54 | 54 | 73 | 54 | -20 | 64 | 88 | 59 | 86 | 75 | 56 |
| 661 | 144 | 22 | 54 | 54 | 72 | 53 | -20 | 62 | 89 | 59 | 85 | 75 | 56 |
| 662 | 144 | 42 | 53 | 53 | 71 | 53 | -20 | 62 | 88 | 59 | 86 | 75 | 57 |
| 663 | 145 | 2 | 53 | 53 | 70 | 54 | -20 | 64 | 88 | 59 | 86 | 74 | 54 |
| 664 | 145 | 22 | 52 | 52 | 69 | 52 | -20 | 62 | 88 | 59 | 86 | 73 | 54 |
| 665 | 145 | 43 | 52 | 52 | 69 | 54 | -20 | 65 | 88 | 60 | 85 | 73 | 58 |
| 666 | 146 | 3 | 52 | 52 | 69 | 53 | -20 | 64 | 88 | 60 | 86 | 73 | 57 |

| SWEEP COUNT | 5-82 TIME MIN. | 5-81 TIME SEC. | 5-80 ENG.1 TANK TEMP DEG.C | 5-06 ENG.1 OIL COOLER INLET OIL DEG.C | 5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C | 5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C | 5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C | 5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C | 5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C | 5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C | 5-13 ENG.2 OIL COOLER INLET OIL DEG.C | 5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C |
|----------------|----------------------|----------------------|--|---|--|---|---|--|---|--|---|--|
| 667 | 146 | 23 | 52 | 68 | 52 | -21 | 64 | 88 | 60 | 86 | 73 | 57 |
| 668 | 146 | 43 | 53 | 68 | 52 | -21 | 64 | 88 | 61 | 87 | 73 | 58 |
| 669 | 147 | 3 | 52 | 68 | 53 | -21 | 64 | 88 | 61 | 87 | 73 | 58 |
| 600 | 147 | 23 | 52 | 68 | 53 | -21 | 64 | 88 | 60 | 86 | 73 | 58 |
| 671 | 147 | 44 | 52 | 67 | 52 | -21 | 63 | 88 | 60 | 87 | 72 | 56 |
| 672 | 148 | 4 | 51 | 67 | 53 | -21 | 63 | 88 | 61 | 87 | 72 | 56 |
| 673 | 148 | 24 | 51 | 67 | 52 | -21 | 63 | 88 | 60 | 86 | 72 | 56 |
| 674 | 148 | 44 | 51 | 66 | 51 | -21 | 63 | 88 | 60 | 86 | 72 | 56 |
| 675 | 149 | 4 | 51 | 65 | 51 | -21 | 63 | 87 | 60 | 86 | 71 | 56 |
| 676 | 149 | 25 | 51 | 66 | 51 | -21 | 64 | 87 | 61 | 86 | 71 | 56 |
| 677 | 149 | 45 | 50 | 65 | 51 | -21 | 64 | 87 | 60 | 86 | 71 | 56 |
| 678 | 150 | 5 | 50 | 65 | 51 | -21 | 63 | 87 | 60 | 86 | 71 | 56 |
| 679 | 150 | 25 | 50 | 65 | 50 | -21 | 63 | 87 | 59 | 86 | 71 | 55 |
| 600 | 150 | 46 | 50 | 65 | 51 | -21 | 63 | 86 | 60 | 86 | 71 | 55 |
| 681 | 151 | 0 | 50 | 65 | 51 | -21 | 64 | 87 | 60 | 86 | 71 | 56 |
| 682 | 151 | 26 | 49 | 65 | 51 | -21 | 63 | 87 | 60 | 86 | 71 | 56 |
| 683 | 151 | 46 | 49 | 65 | 50 | -21 | 63 | 86 | 60 | 86 | 71 | 56 |
| 684 | 152 | 7 | 49 | 65 | 50 | -21 | 63 | 86 | 60 | 86 | 71 | 55 |
| 685 | 152 | 27 | 49 | 64 | 49 | -21 | 62 | 86 | 60 | 86 | 71 | 55 |
| 686 | 152 | 47 | 49 | 65 | 49 | -21 | 62 | 86 | 59 | 86 | 71 | 56 |
| 687 | 153 | 7 | 49 | 65 | 50 | -21 | 63 | 86 | 61 | 86 | 71 | 56 |
| 688 | 153 | 28 | 49 | 65 | 51 | -20 | 64 | 87 | 60 | 86 | 71 | 56 |
| 689 | 153 | 48 | 49 | 65 | 51 | -21 | 64 | 87 | 60 | 86 | 71 | 56 |
| 600 | 154 | 8 | 50 | 65 | 51 | -21 | 64 | 87 | 61 | 86 | 71 | 56 |
| 691 | 154 | 24 | 49 | 64 | 50 | -21 | 64 | 87 | 60 | 86 | 71 | 56 |
| 692 | 154 | 43 | 49 | 64 | 50 | -21 | 64 | 87 | 60 | 86 | 71 | 56 |
| 693 | 155 | 3 | 49 | 65 | 51 | -21 | 62 | 84 | 56 | 75 | 68 | 55 |
| 694 | 155 | 23 | 49 | 65 | 51 | -21 | 64 | 85 | 58 | 72 | 67 | 58 |
| 695 | 155 | 49 | 50 | 66 | 51 | -21 | 63 | 86 | 58 | 71 | 66 | 58 |
| 696 | 156 | 10 | 49 | 66 | 51 | -22 | 63 | 87 | 61 | 68 | 64 | 59 |
| 697 | 156 | 30 | 50 | 67 | 52 | -21 | 65 | 88 | 62 | 66 | 62 | 58 |
| 698 | 156 | 51 | 49 | 67 | 51 | -22 | 64 | 89 | 61 | 64 | 61 | 56 |
| 699 | 157 | 11 | 50 | 67 | 51 | -22 | 64 | 88 | 61 | 62 | 61 | 56 |
| 0 | 157 | 51 | 49 | 64 | 51 | -21 | 66 | 84 | 49 | 60 | 56 | 54 |
| 701 | 158 | 11 | 49 | 61 | 55 | -21 | 62 | 82 | 47 | 59 | 54 | 53 |
| 702 | 158 | 31 | 50 | 59 | 54 | -21 | 59 | 79 | 45 | 59 | 52 | 52 |
| 703 | 158 | 51 | 50 | 57 | 53 | -21 | 59 | 77 | 44 | 58 | 50 | 51 |

HM-53C S/N 66-10354
ARCTIC TEST
15 JANUARY 1971
RUN NO. 3

-40 DEG C / -40 DEG F

| 5-02 | 5-03 | 5-15 | 5-16 | 5-17 | 5-18 | 5-19 | 5-20 | 5-21 | 5-22 | 5-23 | 5-24 |
|------|------|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|
| TIME | TIME | ACCESS | MAIN | MAIN | INTER. | TAIL | GEN.1 | FUEL | L.ELEC | L.ELEC | L.ELEC |
| MIN. | SEC. | SEAP | COOLER | COOLER | GEAR | GEAR | MASS | TO | COMPT | COMPT | COMPT |
| | | BOX | INLET | OUTLET | BOX | BOX | TEMP | HEATER | TOPCTR | BTM RT | BTMFLT |
| | | OIL | OIL | OIL | OIL | OIL | DEG.C | DEG.C | TEMP | TEMP | TEMP |
| | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 272 | 11 | 37 | -34 | -34 | -36 | -36 | -36 | -32 | -30 | -31 | -32 |
| 273 | 11 | 57 | -36 | -33 | -36 | -36 | -36 | -32 | -30 | -31 | -32 |
| 274 | 12 | 16 | -36 | -33 | -36 | -36 | -36 | -32 | -30 | -31 | -32 |
| 275 | 12 | 35 | * | * | * | * | * | * | * | * | * |
| 276 | 12 | 54 | -34 | -34 | -35 | -35 | -34 | -32 | -30 | -31 | -32 |
| 277 | 13 | 14 | -32 | -32 | -36 | -36 | -35 | -32 | -30 | -31 | -32 |
| 278 | 13 | 33 | -34 | -33 | -36 | -35 | -34 | -32 | -30 | -31 | -32 |
| 279 | 13 | 53 | -33 | -33 | -35 | -35 | -34 | -32 | -30 | -31 | -32 |
| 280 | 14 | 12 | -34 | -34 | -36 | -35 | -33 | -32 | -30 | -31 | -32 |
| 281 | 14 | 32 | -34 | -33 | -36 | -35 | -33 | -32 | -30 | -31 | -32 |
| 282 | 14 | 51 | -34 | -33 | -36 | -35 | -32 | -32 | -30 | -31 | -32 |
| 283 | 15 | 11 | -34 | -33 | -36 | -35 | -31 | -32 | -30 | -31 | -32 |
| 284 | 15 | 30 | -34 | -33 | -36 | -35 | -30 | -32 | -30 | -31 | -32 |
| 285 | 15 | 50 | -34 | -33 | -36 | -36 | -30 | -32 | -30 | -31 | -32 |
| 286 | 16 | 9 | -34 | -33 | -36 | -36 | -29 | -33 | -30 | -31 | -32 |
| 287 | 16 | 28 | -34 | -33 | -36 | -36 | -28 | -32 | -30 | -31 | -32 |
| 288 | 16 | 48 | -34 | -34 | -36 | -36 | -28 | -32 | -30 | -31 | -32 |
| 289 | 17 | 7 | -34 | -33 | -36 | -36 | -26 | -33 | -30 | -31 | -32 |
| 290 | 17 | 27 | -33 | -33 | -35 | -35 | -26 | -33 | -30 | -31 | -32 |
| 291 | 17 | 46 | -33 | -32 | -35 | -34 | -24 | -32 | -29 | -30 | -31 |
| 292 | 18 | 6 | -32 | -32 | -34 | -34 | -22 | -32 | -28 | -30 | -31 |
| 293 | 18 | 25 | -31 | -31 | -34 | -34 | -22 | -31 | -28 | -29 | -30 |
| 294 | 18 | 44 | -31 | -31 | -34 | -34 | -20 | -31 | -28 | -29 | -30 |
| 295 | 19 | 4 | -31 | -31 | -34 | -33 | -20 | -30 | -28 | -29 | -30 |
| 296 | 19 | 23 | -31 | -30 | -33 | -33 | -18 | -30 | -28 | -29 | -30 |
| 297 | 19 | 43 | -31 | -30 | -33 | -33 | -17 | -30 | -27 | -29 | -30 |
| 298 | 20 | 2 | -31 | -30 | -33 | -33 | -16 | -30 | -27 | -29 | -30 |
| 299 | 20 | 21 | -31 | -30 | -32 | -32 | -16 | -29 | -27 | -29 | -30 |
| 300 | 20 | 41 | -30 | -30 | -32 | -32 | -14 | -29 | -27 | -28 | -29 |
| 301 | 21 | 0 | -30 | -30 | -32 | -32 | -14 | -29 | -27 | -28 | -29 |
| 302 | 21 | 20 | -30 | -30 | -32 | -32 | -13 | -29 | -26 | -28 | -29 |
| 303 | 21 | 39 | -30 | -30 | -32 | -32 | -12 | -29 | -26 | -28 | -29 |
| 304 | 21 | 58 | -30 | -30 | -32 | -32 | -12 | -29 | -26 | -28 | -29 |
| 305 | 22 | 18 | -30 | -30 | -32 | -31 | -10 | -29 | -26 | -28 | -29 |
| 306 | 22 | 37 | -30 | -30 | -32 | -32 | -8 | -28 | -26 | -28 | -29 |
| 307 | 22 | 57 | -29 | -29 | -32 | -31 | -6 | -28 | -26 | -28 | -29 |
| 308 | 23 | 16 | -30 | -29 | -32 | -32 | -6 | -28 | -26 | -28 | -29 |
| 309 | 23 | 36 | -30 | -29 | -32 | -31 | -5 | -28 | -26 | -28 | -29 |
| 310 | 23 | 55 | -30 | -30 | -32 | -32 | -4 | -28 | -26 | -28 | -29 |
| 311 | 24 | 14 | -30 | -30 | -32 | -32 | -4 | -28 | -26 | -28 | -29 |
| 312 | 24 | 34 | -30 | -29 | -32 | -32 | -3 | -28 | -26 | -28 | -29 |
| 313 | 24 | 53 | -30 | -29 | -32 | -32 | -2 | -28 | -26 | -28 | -29 |
| 314 | 25 | 13 | -30 | -30 | -32 | -32 | -1 | -28 | -26 | -28 | -29 |
| 315 | 25 | 32 | -30 | -29 | -32 | -32 | -1 | -28 | -26 | -28 | -29 |
| 316 | 25 | 52 | -30 | -29 | -32 | -32 | -1 | -28 | -26 | -28 | -29 |

| SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS | | 5-16 MAIN | | 5-17 MAIN | | 5-18 INTER. | | 5-19 TAIL | | 5-20 GEN. 1 | | 5-21 FUEL | | 5-22 L.ELEC | | 5-23 L.ELEC | | 5-24 L.ELEC | |
|----------------|----------------------|----------------------|----------------|-------|--------------|--------|--------------|--------|----------------|-------|--------------|-------|----------------|--------|--------------|--------|----------------|--------|----------------|--------|----------------|--------|
| | | | GEAR | BOX | G. BOX | COOLER | INLET | COOLER | OUTLET | GEAR | BOX | GEAR | BOX | HEATER | HEATER | HEATER | HEATER | HEATER | HEATER | HEATER | HEATER | HEATER |
| | | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 317 | 26 | 11 | 33 | -30 | -30 | -30 | -30 | -30 | -32 | -32 | -32 | -32 | 0 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 |
| 318 | 26 | 31 | 34 | -30 | -30 | -30 | -30 | -30 | -32 | -32 | -32 | -32 | 0 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 |
| 319 | 26 | 51 | 34 | -30 | -30 | -30 | -30 | -30 | -32 | -32 | -32 | -32 | 1 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 |
| 320 | 27 | 10 | 35 | -30 | -30 | -30 | -30 | -30 | -32 | -32 | -32 | -32 | 1 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 |
| 321 | 27 | 30 | 35 | -30 | -30 | -30 | -30 | -29 | -32 | -32 | -32 | -32 | 2 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 |
| 322 | 27 | 49 | 36 | -30 | -30 | -30 | -30 | -29 | -32 | -32 | -32 | -32 | 2 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 |
| 323 | 28 | 9 | 36 | -30 | -30 | -30 | -30 | -30 | -32 | -32 | -32 | -32 | 3 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 |
| 324 | 28 | 29 | 37 | -30 | -30 | -30 | -30 | -30 | -32 | -32 | -32 | -32 | 4 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 |
| 325 | 28 | 48 | 37 | -30 | -30 | -30 | -30 | -29 | -32 | -32 | -32 | -32 | 4 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 |
| 326 | 29 | 8 | 38 | -30 | -30 | -30 | -30 | -30 | -32 | -32 | -32 | -32 | 4 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 |
| 327 | 29 | 28 | 38 | -30 | -30 | -30 | -30 | -30 | -32 | -32 | -32 | -32 | 5 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 |
| 328 | 29 | 47 | 38 | -30 | -30 | -30 | -30 | -30 | -32 | -32 | -32 | -32 | 5 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 |
| 329 | 30 | 7 | 39 | -30 | -30 | -30 | -30 | -30 | -32 | -32 | -32 | -32 | 5 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 |
| 330 | 30 | 27 | 39 | -30 | -30 | -30 | -30 | -30 | -32 | -32 | -32 | -32 | 6 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 |
| 331 | 30 | 46 | 40 | -30 | -30 | -30 | -30 | -30 | -32 | -32 | -32 | -32 | 7 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 332 | 31 | 6 | 40 | -30 | -30 | -30 | -30 | -30 | -32 | -32 | -32 | -32 | 7 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 |
| 333 | 31 | 26 | 41 | -31 | -31 | -31 | -31 | -30 | -32 | -32 | -32 | -32 | 7 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 |
| 334 | 31 | 45 | 41 | -31 | -31 | -31 | -31 | -30 | -32 | -32 | -32 | -32 | 7 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 |
| 335 | 32 | 5 | 41 | -31 | -31 | -31 | -31 | -30 | -32 | -32 | -32 | -32 | 8 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 |
| 336 | 32 | 25 | 42 | -30 | -30 | -30 | -30 | -30 | -33 | -33 | -33 | -33 | 8 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 337 | 32 | 45 | 42 | -31 | -31 | -31 | -31 | -30 | -32 | -32 | -32 | -32 | 9 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 |
| 338 | 33 | 5 | 42 | -31 | -31 | -31 | -31 | -30 | -33 | -33 | -33 | -33 | 8 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 339 | 33 | 24 | 43 | -31 | -31 | -31 | -31 | -30 | -32 | -32 | -32 | -32 | 9 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 340 | 33 | 44 | 44 | -31 | -31 | -31 | -31 | -30 | -33 | -33 | -33 | -33 | 10 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 341 | 34 | 4 | 44 | -31 | -31 | -31 | -31 | -30 | -33 | -33 | -33 | -33 | 10 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 342 | 34 | 24 | 44 | -31 | -31 | -31 | -31 | -30 | -33 | -33 | -33 | -33 | 10 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 343 | 34 | 44 | 44 | -31 | -31 | -31 | -31 | -30 | -33 | -33 | -33 | -33 | 11 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 344 | 35 | 4 | 45 | -31 | -31 | -31 | -31 | -30 | -33 | -33 | -33 | -33 | 11 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 345 | 35 | 23 | 45 | -31 | -31 | -31 | -31 | -30 | -33 | -33 | -33 | -33 | 11 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 346 | 35 | 43 | 45 | -31 | -31 | -31 | -31 | -30 | -33 | -33 | -33 | -33 | 12 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 347 | 36 | 3 | 46 | -31 | -31 | -31 | -31 | -30 | -33 | -33 | -33 | -33 | 12 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 348 | 36 | 23 | 46 | -31 | -31 | -31 | -31 | -30 | -33 | -33 | -33 | -33 | 12 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 349 | 36 | 43 | 46 | -31 | -31 | -31 | -31 | -30 | -33 | -33 | -33 | -33 | 12 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 350 | 37 | 3 | 46 | -31 | -31 | -31 | -31 | -30 | -33 | -33 | -33 | -33 | 12 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 351 | 37 | 23 | 46 | -31 | -31 | -31 | -31 | -30 | -33 | -33 | -33 | -33 | 13 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 352 | 37 | 43 | 46 | -31 | -31 | -31 | -31 | -30 | -33 | -33 | -33 | -33 | 13 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 353 | 38 | 3 | 46 | -32 | -32 | -32 | -32 | -30 | -34 | -34 | -34 | -34 | 13 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 354 | 38 | 42 | 47 | -31 | -31 | -31 | -31 | -30 | -34 | -34 | -34 | -34 | 14 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 355 | 38 | 42 | 47 | -32 | -32 | -32 | -32 | -30 | -34 | -34 | -34 | -34 | 14 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 356 | 39 | 2 | 48 | -32 | -32 | -32 | -32 | -30 | -34 | -34 | -34 | -34 | 14 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 357 | 39 | 22 | 48 | -32 | -32 | -32 | -32 | -31 | -34 | -34 | -34 | -34 | 14 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 358 | 39 | 42 | 48 | -32 | -32 | -32 | -32 | -30 | -34 | -34 | -34 | -34 | 14 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 |
| 359 | 40 | 2 | 48 | -32 | -32 | -32 | -32 | -30 | -34 | -34 | -34 | -34 | 14 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | -24 |
| 360 | 40 | 22 | 48 | -32 | -32 | -32 | -32 | -31 | -34 | -34 | -34 | -34 | 14 | -21 | -21 | -21 | -21 | -21 | -21 | -21 | -21 | -21 |
| 361 | 40 | 42 | 49 | -32 | -32 | -32 | -32 | -31 | -34 | -34 | -34 | -34 | 14 | -21 | -21 | -21 | -21 | -21 | -21 | -21 | -21 | -21 |
| 362 | 41 | 2 | 49 | -32 | -32 | -32 | -32 | -31 | -34 | -34 | -34 | -34 | 14 | -18 | -18 | -18 | -18 | -18 | -18 | -18 | -18 | -18 |
| 363 | 41 | 22 | 49 | -32 | -32 | -32 | -32 | -31 | -35 | -35 | -35 | -35 | 14 | -19 | -19 | -19 | -19 | -19 | -19 | -19 | -19 | -19 |
| 364 | 41 | 42 | 49 | -32 | -32 | -32 | -32 | -31 | -35 | -35 | -35 | -35 | 15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 |
| 365 | 42 | 2 | 49 | -32 | -32 | -32 | -32 | -31 | -35 | -35 | -35 | -35 | 15 | -17 | -17 | -17 | -17 | -17 | -17 | -17 | -17 | -17 |
| 366 | 42 | 22 | 50 | -32 | -32 | -32 | -32 | -31 | -35 | -35 | -35 | -35 | 15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 |

| SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR BOX OIL TEMP DEG.C | 5-15 MAIN COOLER INLET OIL DEG.C | 5-17 MAIN COOLER OUTLET OIL DEG.C | 5-18 INTER. GEAR BOX OIL TEMP DEG.C | 5-19 TAIL GEAR BOX OIL TEMP DEG.C | 5-20 GEN.1 MASS TEMP DEG.C | 5-21 FUEL TEMP. COMBST TO HEATER DEG.C | 5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C | 5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C | 5-24 L.ELEC COMPT BTM LFT AIR TEMP DEG.C |
|----------------|----------------------|----------------------|---|---|--|---|---|--|--|---|---|--|
| 367 | 42 | 42 | 50 | -33 | -32 | -35 | -36 | 15 | -18 | -26 | -30 | -31 |
| 368 | 43 | 2 | 50 | -33 | -32 | -35 | -35 | 15 | -16 | -26 | -29 | -32 |
| 369 | 43 | 22 | 51 | -33 | -32 | -35 | -36 | 16 | -16 | -25 | -30 | -32 |
| 370 | 43 | 42 | 51 | -33 | -32 | -36 | -35 | 16 | -10 | -25 | -30 | -31 |
| 371 | 44 | 2 | 51 | -34 | -32 | -36 | -35 | 17 | -11 | -24 | -30 | -31 |
| 372 | 44 | 22 | 51 | -33 | -32 | -35 | -35 | 17 | -15 | -24 | -29 | -31 |
| 373 | 44 | 42 | 51 | -34 | -32 | -36 | -36 | 17 | -14 | -24 | -30 | -32 |
| 374 | 45 | 2 | 52 | -34 | -32 | -36 | -36 | 18 | -8 | -24 | -30 | -32 |
| 375 | 45 | 22 | 52 | -33 | -32 | -35 | -35 | 18 | -10 | -22 | -30 | -31 |
| 376 | 45 | 42 | 52 | -33 | -32 | -35 | -36 | 18 | -12 | -22 | -29 | -31 |
| 377 | 46 | 2 | 53 | -34 | -32 | -36 | -36 | 19 | -14 | -22 | -29 | -31 |
| 378 | 46 | 23 | 53 | -34 | -32 | -36 | -35 | 18 | -8 | -21 | -28 | -30 |
| 379 | 46 | 43 | 53 | -33 | -32 | -36 | -35 | 19 | -11 | -20 | -28 | -30 |
| 380 | 47 | 3 | 54 | -33 | -32 | -36 | -35 | 20 | -10 | -20 | -28 | -30 |
| 381 | 47 | 23 | 54 | -32 | -32 | -35 | -35 | 20 | -9 | -19 | -28 | -30 |
| 382 | 47 | 43 | 54 | -33 | -32 | -36 | -36 | 20 | -4 | -19 | -28 | -30 |
| 383 | 48 | 3 | 54 | -33 | -32 | -36 | -36 | 20 | -10 | -18 | -27 | -30 |
| 384 | 48 | 23 | 55 | -34 | -32 | -36 | -35 | 20 | -6 | -18 | -26 | -29 |
| 385 | 48 | 43 | 55 | -33 | -32 | -36 | -35 | 20 | -4 | -17 | -26 | -29 |
| 386 | 49 | 3 | 55 | -33 | -32 | -36 | -35 | 20 | -5 | -16 | -26 | -28 |
| 387 | 49 | 23 | 55 | -33 | -32 | -36 | -36 | 21 | -4 | -16 | -25 | -28 |
| 388 | 49 | 43 | 55 | -33 | -32 | -35 | -36 | 21 | -4 | -16 | -26 | -28 |
| 389 | 50 | 3 | 55 | -33 | -32 | -36 | -36 | 21 | -5 | -15 | -25 | -28 |
| 390 | 50 | 24 | 55 | -33 | -32 | -36 | -36 | 21 | -1 | -15 | -25 | -27 |
| 391 | 50 | 44 | 56 | -33 | -32 | -36 | -36 | 21 | -5 | -14 | -25 | -27 |
| 392 | 51 | 4 | 56 | -33 | -32 | -36 | -36 | 21 | -5 | -14 | -25 | -28 |
| 393 | 51 | 24 | 57 | -32 | -32 | -36 | -35 | 21 | -4 | -14 | -24 | -28 |
| 394 | 51 | 44 | 57 | -33 | -32 | -36 | -36 | 21 | -6 | -13 | -24 | -28 |
| 395 | 52 | 4 | 58 | -32 | -32 | -36 | -34 | 22 | 0 | -13 | -24 | -27 |
| 396 | 52 | 24 | 58 | -32 | -32 | -36 | -35 | 22 | -1 | -12 | -24 | -27 |
| 397 | 52 | 44 | 58 | -32 | -32 | -36 | -36 | 22 | -1 | -12 | -24 | -27 |
| 398 | 53 | 5 | 58 | -33 | -32 | -36 | -35 | 22 | 0 | -12 | -23 | -28 |
| 399 | 53 | 25 | 57 | -32 | -32 | -36 | -35 | 22 | 0 | -12 | -24 | -28 |
| 400 | 53 | 45 | 58 | -33 | -32 | -36 | -36 | 23 | -4 | -11 | -24 | -28 |
| 401 | 54 | 5 | 58 | -33 | -32 | -36 | -36 | 23 | -3 | -10 | -24 | -28 |
| 402 | 54 | 25 | 58 | -33 | -32 | -36 | -36 | 23 | 1 | -10 | -23 | -27 |
| 403 | 54 | 45 | 58 | -33 | -32 | -36 | -35 | 24 | 0 | -9 | -23 | -26 |
| 404 | 55 | 6 | 58 | -32 | -32 | -36 | -36 | 24 | 0 | -9 | -23 | -27 |
| 405 | 55 | 26 | 58 | -32 | -32 | -36 | -36 | 24 | 0 | -8 | -23 | -26 |
| 406 | 55 | 46 | 59 | -33 | -32 | -36 | -35 | 24 | -3 | -8 | -22 | -27 |
| 407 | 56 | 6 | 59 | -32 | -32 | -36 | -36 | 24 | 0 | -8 | -22 | -27 |
| 408 | 56 | 26 | 59 | -32 | -32 | -37 | -36 | 25 | 0 | -8 | -22 | -27 |
| 409 | 56 | 46 | 59 | -32 | -32 | -36 | -36 | 25 | 0 | -7 | -22 | -27 |
| 410 | 57 | 6 | 59 | -32 | -32 | -36 | -35 | 25 | 0 | -7 | -22 | -26 |
| 411 | 57 | 26 | 59 | -29 | -29 | -36 | -36 | 26 | -1 | -6 | -22 | -26 |
| 412 | 57 | 46 | 59 | -28 | -28 | -36 | -36 | 26 | 0 | -6 | -22 | -26 |
| 413 | 58 | 6 | 59 | -28 | -28 | -36 | -35 | 26 | 0 | -4 | -21 | -26 |
| 414 | 58 | 26 | 59 | -28 | -27 | -36 | -35 | 26 | -1 | -4 | -21 | -26 |
| 415 | 58 | 46 | 59 | -28 | -28 | -36 | -36 | 24 | 0 | -4 | -20 | -25 |
| 416 | 59 | 7 | 59 | -27 | -27 | -36 | -27 | 24 | 0 | -4 | -20 | -25 |

| -01 SHEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR BOX OIL TEMP DEG.C | 5-16 MAIN G. BOX COOLER INLET OIL DEG.C | 5-17 MAIN G. BOX COOLER OUTLET OIL DEG.C | 5-18 INTER. GEAR BOX OIL TEMP DEG.C | 5-19 TAIL GEAR BOX OIL TEMP DEG.C | 5-20 GEN. 1 MASS TEMP DEG.C | 5-21 FUEL TEMP. TO COMBST HEATER DEG.C | 5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C | 5-23 L.ELEC COMPT BTH RT AIR TEMP DEG.C | 5-24 L.ELEC COMPT BTH LFT AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|---|--|---|---|--|
| 447 | 59 | 27 | 58 | -26 | -26 | -36 | -21 | 22 | 0 | -3 | -20 | -24 |
| 448 | 59 | 47 | 57 | -24 | -24 | -35 | -14 | 21 | 0 | -1 | -18 | -23 |
| 449 | 60 | 7 | 56 | -19 | -20 | -35 | -10 | 19 | 0 | 0 | -17 | -22 |
| 450 | 60 | 27 | 56 | -12 | -13 | -35 | -6 | 18 | 2 | 2 | -16 | -20 |
| 451 | 60 | 47 | 56 | -6 | -7 | -33 | -2 | 18 | -4 | 2 | -14 | -20 |
| 452 | 61 | 28 | 55 | -2 | -3 | -32 | 0 | 17 | -4 | 3 | -13 | -18 |
| 453 | 61 | 48 | 54 | 3 | 2 | -32 | 1 | 17 | -2 | 3 | -13 | -18 |
| 454 | 62 | 8 | 54 | 6 | 5 | -32 | 2 | 17 | -2 | 4 | -12 | -18 |
| 455 | 62 | 28 | 54 | 9 | 9 | -32 | 4 | 17 | -2 | 5 | -12 | -16 |
| 456 | 62 | 48 | 53 | 11 | 11 | -31 | 4 | 17 | -2 | 5 | -10 | -16 |
| 457 | 63 | 8 | 54 | 14 | 12 | -30 | 4 | 18 | -2 | 5 | -10 | -15 |
| 458 | 63 | 28 | 52 | 15 | 15 | -30 | 5 | 18 | -1 | 6 | -10 | -15 |
| 459 | 63 | 48 | 52 | 18 | 16 | -29 | 7 | 18 | -1 | 7 | -10 | -15 |
| 460 | 64 | 8 | 52 | 18 | 18 | -30 | 5 | 18 | -1 | 5 | -11 | -16 |
| 461 | 64 | 28 | 51 | 20 | 20 | -30 | 5 | 18 | -1 | 6 | -11 | -16 |
| 462 | 64 | 48 | 51 | 22 | 22 | -30 | 7 | 19 | -1 | 7 | -10 | -15 |
| 463 | 65 | 8 | 51 | 24 | 24 | -29 | 6 | 19 | -1 | 7 | -9 | -14 |
| 464 | 65 | 28 | 51 | 26 | 25 | -27 | 8 | 19 | 0 | 6 | -8 | -14 |
| 465 | 65 | 48 | 51 | 27 | 28 | -27 | 7 | 19 | 0 | 7 | -9 | -14 |
| 466 | 66 | 8 | 51 | 28 | 28 | -26 | 8 | 19 | 0 | 7 | -9 | -14 |
| 467 | 66 | 28 | 50 | 29 | 29 | -26 | 8 | 19 | -0 | 8 | -8 | -14 |
| 468 | 66 | 48 | 50 | 31 | 31 | -26 | 9 | 19 | -0 | 8 | -8 | -14 |
| 469 | 67 | 9 | 49 | 32 | 32 | -26 | 9 | 19 | -1 | 8 | -8 | -14 |
| 470 | 67 | 29 | 49 | 34 | 34 | -25 | 10 | 20 | -0 | 8 | -10 | -17 |
| 471 | 67 | 49 | 49 | 35 | 35 | -26 | 11 | 20 | -1 | 8 | -10 | -17 |
| 472 | 68 | 9 | 49 | 36 | 36 | -24 | 11 | 20 | -1 | 8 | -10 | -17 |
| 473 | 68 | 29 | 49 | 37 | 37 | -24 | 11 | 21 | -0 | 9 | -9 | -19 |
| 474 | 68 | 49 | 49 | 38 | 38 | -23 | 12 | 21 | -0 | 9 | -9 | -19 |
| 475 | 69 | 9 | 49 | 39 | 39 | -22 | 12 | 21 | 0 | 10 | -9 | -19 |
| 476 | 69 | 29 | 49 | 41 | 41 | -22 | 14 | 21 | -0 | 12 | -9 | -18 |
| 477 | 69 | 49 | 49 | 42 | 42 | -21 | 14 | 22 | -0 | 12 | -10 | -19 |
| 478 | 70 | 9 | 49 | 43 | 43 | -20 | 14 | 22 | -1 | 11 | -9 | -18 |
| 479 | 70 | 29 | 49 | 44 | 44 | -22 | 14 | 22 | 0 | 11 | -10 | -18 |
| 480 | 70 | 49 | 49 | 45 | 45 | -21 | 14 | 22 | -0 | 11 | -10 | -18 |
| 481 | 71 | 9 | 48 | 46 | 46 | -21 | 14 | 21 | -0 | 11 | -10 | -18 |
| 482 | 71 | 30 | 48 | 47 | 47 | -21 | 15 | 22 | -0 | 11 | -9 | -17 |
| 483 | 71 | 50 | 48 | 48 | 48 | -20 | 15 | 22 | -0 | 11 | -8 | -16 |
| 484 | 71 | 70 | 48 | 49 | 49 | -21 | 15 | 23 | 0 | 11 | -8 | -16 |
| 485 | 72 | 10 | 49 | 49 | 49 | -21 | 15 | 22 | -2 | 11 | -8 | -16 |
| 486 | 72 | 30 | 48 | 51 | 51 | -20 | 15 | 22 | -2 | 11 | -8 | -16 |
| 487 | 72 | 50 | 48 | 50 | 50 | -20 | 15 | 22 | -2 | 11 | -8 | -16 |
| 488 | 73 | 10 | 49 | 53 | 53 | -19 | 16 | 22 | 1 | 12 | -6 | -14 |
| 489 | 73 | 30 | 48 | 52 | 52 | -19 | 16 | 23 | 2 | 12 | -6 | -14 |
| 490 | 73 | 50 | 48 | 52 | 52 | -19 | 16 | 22 | 2 | 12 | -7 | -15 |
| 491 | 73 | 70 | 48 | 52 | 52 | -19 | 17 | 23 | 2 | 12 | -7 | -15 |
| 492 | 74 | 11 | 48 | 53 | 53 | -19 | 16 | 23 | 1 | 12 | -7 | -14 |
| 493 | 74 | 31 | 47 | 53 | 53 | -19 | 16 | 22 | 0 | 12 | -7 | -14 |
| 494 | 74 | 51 | 47 | 53 | 54 | -18 | 17 | 22 | 0 | 14 | -6 | -13 |
| 495 | 74 | 71 | 49 | 54 | 54 | -17 | 18 | 22 | 0 | 14 | -6 | -13 |
| 496 | 75 | 11 | 49 | 54 | 54 | -16 | 17 | 22 | 0 | 14 | -5 | -12 |
| 497 | 75 | 31 | 48 | 54 | 54 | -16 | 17 | 22 | 0 | 14 | -4 | -11 |
| 498 | 75 | 51 | 46 | 54 | 54 | -17 | 17 | 22 | 1 | 14 | -4 | -11 |
| 499 | 75 | 71 | 46 | 54 | 53 | -17 | 18 | 23 | 1 | 15 | -4 | -11 |

| 5-03 | 5-02 | 5-03 | 5-15 | 5-16 | 5-17 | 5-18 | 5-19 | 5-20 | 5-21 | 5-22 | 5-23 | 5-24 |
|------|------|------|--------|----------|----------|--------|-------|-------|--------|--------|--------|--------|
| MIN. | MIN. | TIME | ACCESS | MAIN | MAIN | INTER- | TAIL | GEN#1 | FUEL | L.ELEC | L.ELEC | L.ELEC |
| | | SEC. | GEAR | G.COOLER | G.COOLER | GEAR | GEAR | MASS | TEMP. | TOPCIR | COMPT | COMPT |
| | | | BOX | INLET | OUTLET | BOX | BOX | TEMP | COMBST | AIR | BTH | BTH |
| | | | TEMP | OIL | OIL | OIL | OIL | DEG.C | HEATER | TEMP | TEMP | TEMP |
| | | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 467 | 76 | 12 | 47 | 59 | 53 | -15 | 18 | 24 | 1 | 16 | -1 | -4 |
| 468 | 76 | 32 | 48 | 59 | 55 | -17 | 18 | 24 | 0 | 17 | 0 | -3 |
| 469 | 76 | 52 | 48 | 59 | 55 | -16 | 18 | 24 | 0 | 16 | 0 | -2 |
| 470 | 77 | 12 | 48 | 61 | 55 | -16 | 19 | 24 | 2 | 17 | 0 | -2 |
| 471 | 77 | 32 | 48 | 62 | 56 | -15 | 19 | 24 | 1 | 17 | 1 | -2 |
| 472 | 77 | 52 | 48 | 62 | 57 | -15 | 19 | 25 | 2 | 16 | 1 | -2 |
| 473 | 78 | 13 | 48 | 62 | 55 | -14 | 19 | 24 | 1 | 12 | 0 | -5 |
| 474 | 78 | 33 | 48 | 63 | 56 | -16 | 20 | 24 | 0 | 11 | 0 | -6 |
| 475 | 78 | 53 | 48 | 62 | 56 | -16 | 20 | 24 | 0 | 8 | -1 | -8 |
| 476 | 79 | 13 | 48 | 63 | 57 | -18 | 20 | 23 | 0 | 9 | -2 | -8 |
| 477 | 79 | 34 | 48 | 64 | 57 | -19 | 20 | 23 | 0 | 8 | -4 | -8 |
| 478 | 79 | 54 | 48 | 65 | 56 | -18 | 21 | 23 | -2 | 6 | -5 | -10 |
| 479 | 80 | 14 | 48 | 65 | 57 | -19 | 21 | 23 | -3 | 5 | -7 | -10 |
| 480 | 80 | 34 | 48 | 65 | 58 | -20 | 20 | 22 | -4 | 4 | -9 | -10 |
| 481 | 80 | 55 | 48 | 65 | 58 | -20 | 20 | 22 | -4 | 4 | -9 | -10 |
| 482 | 81 | 15 | 48 | 66 | 55 | -21 | 19 | 23 | -5 | 1 | -9 | -10 |
| 483 | 81 | 35 | 48 | 66 | 58 | -20 | 20 | 23 | -6 | 1 | -8 | -10 |
| 484 | 81 | 56 | 48 | 66 | 57 | -19 | 20 | 23 | -6 | 1 | -8 | -10 |
| 485 | 82 | 16 | 48 | 66 | 55 | -15 | 13 | 23 | -7 | 0 | -9 | -10 |
| 486 | 82 | 36 | 48 | 66 | 58 | -17 | 20 | 22 | -7 | 0 | -9 | -10 |
| 487 | 82 | 56 | 48 | 67 | 58 | -13 | 19 | 20 | -8 | -3 | -12 | -12 |
| 488 | 83 | 17 | 48 | 68 | 58 | -16 | 18 | 19 | -9 | -4 | -14 | -14 |
| 489 | 83 | 37 | 47 | 70 | 58 | -14 | 18 | 19 | -9 | -4 | -14 | -14 |
| 490 | 83 | 57 | 47 | 70 | 59 | -12 | 18 | 18 | -10 | -4 | -13 | -16 |
| 491 | 84 | 17 | 47 | 70 | 58 | -18 | 18 | 18 | -10 | -4 | -13 | -16 |
| 492 | 84 | 38 | 46 | 70 | 59 | -13 | 18 | 18 | -11 | -4 | -15 | -16 |
| 493 | 84 | 58 | 46 | 71 | 59 | -12 | 18 | 18 | -11 | -5 | -16 | -16 |
| 494 | 85 | 18 | 46 | 70 | 59 | -11 | 18 | 17 | -12 | -7 | -16 | -16 |
| 495 | 85 | 38 | 47 | 71 | 60 | -13 | 17 | 16 | -12 | -8 | -17 | -17 |
| 496 | 85 | 59 | 45 | 71 | 59 | -8 | 18 | 16 | -12 | -8 | -17 | -17 |
| 497 | 86 | 19 | 45 | 72 | 60 | -10 | 17 | 16 | -13 | -8 | -18 | -18 |
| 498 | 86 | 39 | 45 | 72 | 59 | -10 | 17 | 15 | -13 | -8 | -18 | -18 |
| 499 | 87 | 0 | 44 | 71 | 60 | -7 | 17 | 15 | -14 | -8 | -18 | -18 |
| 500 | 87 | 20 | 44 | 72 | 60 | -9 | 17 | 14 | -14 | -9 | -18 | -18 |
| 501 | 87 | 40 | 44 | 72 | 61 | -11 | 17 | 14 | -15 | -10 | -18 | -20 |
| 502 | 88 | 0 | 43 | 72 | 61 | -14 | 16 | 14 | -15 | -11 | -18 | -20 |
| 503 | 88 | 21 | 42 | 72 | 61 | -10 | 15 | 12 | -16 | -11 | -20 | -20 |
| 504 | 88 | 41 | 43 | 72 | 61 | -12 | 15 | 12 | -16 | -12 | -20 | -20 |
| 505 | 89 | 1 | 42 | 73 | 61 | -14 | 16 | 12 | -17 | -12 | -19 | -20 |
| 506 | 89 | 22 | 42 | 73 | 60 | -13 | 17 | 11 | -17 | -12 | -19 | -20 |
| 507 | 89 | 42 | 41 | 73 | 60 | -13 | 14 | 11 | -18 | -12 | -20 | -20 |
| 508 | 90 | 2 | 41 | 73 | 59 | -10 | 15 | 11 | -18 | -13 | -19 | -19 |
| 509 | 90 | 23 | 41 | 73 | 59 | -12 | 15 | 12 | -18 | -13 | -19 | -19 |
| 510 | 90 | 43 | 41 | 73 | 61 | -12 | 14 | 10 | -19 | -12 | -19 | -20 |
| 511 | 91 | 3 | 40 | 73 | 60 | -11 | 15 | 10 | -19 | -13 | -19 | -20 |
| 512 | 91 | 24 | 40 | 74 | 60 | -12 | 14 | 11 | -19 | -13 | -19 | -20 |
| 513 | 91 | 44 | 39 | 73 | 61 | -14 | 14 | 9 | -20 | -14 | -20 | -21 |
| 514 | 92 | 5 | 39 | 73 | 59 | -13 | 13 | 9 | -20 | -14 | -20 | -21 |
| 515 | 92 | 25 | 38 | 73 | 59 | -14 | 13 | 9 | -20 | -14 | -19 | -21 |
| 516 | 92 | 46 | 37 | 73 | 59 | -13 | 14 | 9 | -20 | -14 | -19 | -21 |

| -01 SNEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR BOX D/L TEMP DEG.C | 5-16 MAIN G.BOX COOLER INLET OIL DEG.C | 5-17 MAIN G.BOX COOLER OUTLET OIL DEG.C | 5-18 INTER. GEAR BOX OIL TEMP DEG.C | 5-19 TAIL GEAR BOX OIL TEMP DEG.C | 5-20 GEN-1 MASS TEMP DEG.C | 5-21 FUEL TEMP. TO COMBST HEATER DEG.C | 5-22 L-ELEC COMPT TOPCTR AIR TEMP DEG.C | 5-23 L-ELEC COMPT BTH RT AIR TEMP DEG.C | 5-24 L-ELEC COMPT BTHLFT AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|--|---|---|---|--|--|---|---|---|
| 517 | 93 | 30 | 37 | 73 | 59 | -13 | 13 | 8 | -28 | -14 | -19 | -19 |
| 518 | 93 | 37 | 37 | 73 | 59 | -12 | 13 | 8 | -20 | -13 | -19 | -18 |
| 519 | 95 | 47 | 35 | 72 | 59 | -12 | 12 | 8 | -20 | -15 | -19 | -19 |
| 520 | 96 | 8 | 35 | 72 | 59 | -11 | 12 | 8 | -20 | -14 | -18 | -18 |
| 521 | 96 | 28 | 35 | 72 | 59 | -11 | 13 | 8 | -20 | -14 | -18 | -18 |
| 522 | 96 | 49 | 35 | 72 | 59 | -10 | 13 | 8 | -20 | -14 | -18 | -18 |
| 523 | 97 | 9 | 34 | 72 | 59 | -12 | 12 | 7 | -20 | -15 | -19 | -20 |
| 524 | 97 | 30 | 34 | 72 | 59 | -12 | 12 | 8 | -20 | -15 | -19 | -20 |
| 525 | 97 | 51 | 34 | 72 | 59 | -11 | 12 | 8 | -20 | -15 | -18 | -18 |
| 526 | 98 | 11 | 34 | 72 | 59 | -13 | 12 | 7 | -20 | -15 | -18 | -19 |
| 527 | 98 | 32 | 34 | 72 | 59 | -12 | 12 | 7 | -20 | -15 | -18 | -19 |
| 528 | 98 | 52 | 34 | 72 | 59 | -11 | 12 | 7 | -20 | -16 | -18 | -18 |
| 529 | 99 | 13 | 33 | 71 | 58 | -14 | 12 | 7 | -21 | -15 | -20 | -19 |
| 530 | 99 | 34 | 33 | 72 | 59 | -14 | 12 | 7 | -20 | -16 | -19 | -18 |
| 531 | 99 | 54 | 33 | 72 | 59 | -12 | 12 | 7 | -20 | -15 | -19 | -19 |
| 532 | 100 | 15 | 33 | 71 | 59 | -14 | 11 | 6 | -21 | -17 | -20 | -20 |
| 533 | 100 | 35 | 33 | 71 | 61 | -17 | 12 | 7 | -20 | -17 | -21 | -20 |
| 534 | 100 | 56 | 34 | 71 | 61 | -20 | 11 | 6 | -21 | -18 | -21 | -20 |
| 535 | 101 | 16 | 32 | 71 | 60 | -22 | 10 | 5 | -22 | -19 | -22 | -21 |
| 536 | 101 | 37 | 32 | 71 | 61 | -23 | 9 | 5 | -22 | -20 | -23 | -20 |
| 537 | 101 | 57 | 31 | 71 | 56 | -23 | 9 | 3 | -24 | -21 | -24 | -21 |
| 538 | 102 | 18 | 31 | 72 | 52 | -20 | 9 | 3 | -23 | -21 | -24 | -21 |
| 539 | 102 | 38 | 31 | 71 | 58 | -24 | 8 | 3 | -24 | -21 | -24 | -20 |
| 540 | 102 | 57 | 31 | 71 | 58 | -24 | 8 | 3 | -24 | -20 | -24 | -25 |
| 541 | 103 | 15 | 30 | 70 | 61 | -20 | 8 | 2 | -25 | -22 | -24 | -25 |
| 542 | 103 | 40 | 31 | 70 | 58 | -20 | 8 | 2 | -25 | -22 | -24 | -25 |
| 543 | 104 | 0 | 30 | 70 | 54 | -20 | 8 | 1 | -26 | -22 | -25 | -25 |
| 544 | 104 | 21 | 30 | 71 | 54 | -19 | 8 | 1 | -26 | -22 | -25 | -27 |
| 545 | 104 | 41 | 29 | 70 | 54 | -20 | 7 | 1 | -27 | -22 | -25 | -28 |
| 546 | 105 | 2 | 29 | 70 | 55 | -20 | 8 | 1 | -27 | -22 | -25 | -28 |
| 547 | 105 | 22 | 29 | 69 | 58 | -20 | 8 | 0 | -28 | -22 | -26 | -28 |
| 548 | 105 | 43 | 29 | 70 | 60 | -20 | 6 | 0 | -27 | -22 | -26 | -27 |
| 549 | 106 | 3 | 29 | 69 | 61 | -23 | 8 | 0 | -28 | -22 | -26 | -28 |
| 550 | 106 | 24 | 29 | 70 | 60 | -22 | 9 | 1 | -27 | -23 | -24 | -28 |
| 551 | 106 | 44 | 28 | 69 | 61 | -22 | 7 | 0 | -29 | -23 | -24 | -28 |
| 552 | 107 | 5 | 29 | 71 | 60 | -23 | 8 | 1 | -28 | -22 | -25 | -27 |
| 553 | 107 | 25 | 28 | 70 | 60 | -23 | 8 | 0 | -29 | -24 | -26 | -28 |
| 554 | 107 | 45 | 29 | 71 | 62 | -23 | 8 | 0 | -28 | -23 | -26 | -28 |
| 555 | 108 | 6 | 28 | 70 | 59 | -23 | 8 | 0 | -29 | -23 | -26 | -28 |
| 556 | 108 | 26 | 28 | 71 | 62 | -23 | 7 | 0 | -28 | -23 | -27 | -28 |
| 557 | 108 | 47 | 28 | 70 | 60 | -25 | 8 | 0 | -28 | -24 | -27 | -29 |
| 558 | 109 | 7 | 28 | 71 | 60 | -24 | 8 | 0 | -29 | -23 | -27 | -28 |
| 559 | 109 | 28 | 27 | 70 | 55 | -24 | 7 | 0 | -30 | -23 | -27 | -28 |
| 560 | 109 | 48 | 26 | 71 | 54 | -23 | 8 | 0 | -29 | -24 | -27 | -28 |
| 561 | 110 | 9 | 27 | 70 | 53 | -25 | 7 | 0 | -30 | -24 | -27 | -29 |
| 562 | 110 | 29 | 27 | 71 | 54 | -25 | 7 | 0 | -30 | -24 | -27 | -29 |
| 563 | 110 | 50 | 27 | 69 | 54 | -24 | 7 | 0 | -30 | -24 | -27 | -29 |
| 564 | 111 | 10 | 28 | 69 | 54 | -25 | 8 | 0 | -30 | -24 | -27 | -29 |
| 565 | 111 | 31 | 27 | 70 | 61 | -24 | 7 | 0 | -29 | -24 | -27 | -29 |
| 566 | 111 | 51 | 27 | 70 | 59 | -24 | 7 | 0 | -30 | -24 | -27 | -28 |

| -CI SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR | | 5-16 MAIN G. BOX COOLER | | 5-17 MAIN G. BOX COOLER OUTLET | | 5-18 INTER. GEAR BOX OIL | | 5-19 TAIL GEAR BOX OIL | | 5-20 GEN.1 MASS TEMP | | 5-21 FUEL TEMP. COMBST HEATER | | 5-22 L.ELEC COMPT TOPCTR AIR | | 5-23 L.ELEC COMPT BTM RT AIR | | 5-24 L.ELEC COMPT BTMFLT AIR | |
|-----------------------|----------------------|----------------------|------------------------|-----------------------|----------------------------------|------------------------|--|---------------------|--------------------------------------|---------------------|------------------------------------|---------------------|-------------------------------|---------------------|---|------------------------|--|------------------------|--|------------------------|--|------------------------|
| | | | BOX OIL TEMP | INLET OIL DEG.C | MAIN OIL DEG.C | COOLER OIL DEG.C | GEAR OIL TEMP | GEAR OIL TEMP | GEAR OIL TEMP | GEAR OIL TEMP | GEAR OIL TEMP | GEAR OIL TEMP | GEAR OIL TEMP | GEAR OIL TEMP | GEN.1 TEMP DEG.C | GEN.1 TEMP DEG.C | GEN.1 TEMP DEG.C | GEN.1 TEMP DEG.C | GEN.1 TEMP DEG.C | GEN.1 TEMP DEG.C | GEN.1 TEMP DEG.C | GEN.1 TEMP DEG.C |
| 567 | 112 | 12 | 27 | 70 | 61 | -24 | 7 | -30 | -24 | 7 | -30 | -24 | -0 | -30 | -24 | -27 | -24 | -27 | -24 | -27 | -24 | |
| 568 | 112 | 32 | 27 | 69 | 61 | -24 | 7 | -30 | -24 | 7 | -30 | -24 | -1 | -30 | -25 | -27 | -25 | -27 | -25 | -27 | -25 | |
| 569 | 112 | 53 | 28 | 70 | 61 | -24 | 7 | -30 | -24 | 7 | -30 | -24 | 0 | -30 | -24 | -28 | -24 | -28 | -24 | -28 | -24 | |
| 570 | 113 | 13 | 28 | 71 | 61 | -24 | 7 | -30 | -24 | 7 | -30 | -24 | 0 | -30 | -24 | -28 | -24 | -28 | -24 | -28 | -24 | |
| 571 | 113 | 33 | 27 | 71 | 56 | -25 | 7 | -30 | -25 | 7 | -30 | -25 | -2 | -30 | -25 | -27 | -25 | -27 | -25 | -27 | -25 | |
| 572 | 117 | 54 | 26 | 70 | 54 | -26 | 5 | -31 | -26 | 5 | -31 | -26 | -2 | -31 | -26 | -29 | -26 | -29 | -26 | -29 | -26 | |
| 573 | 114 | 14 | 27 | 70 | 55 | -25 | 7 | -30 | -25 | 7 | -30 | -25 | -1 | -30 | -25 | -28 | -25 | -28 | -25 | -28 | -25 | |
| 574 | 114 | 34 | 25 | 69 | 53 | -25 | 5 | -29 | -25 | 5 | -29 | -25 | -2 | -29 | -25 | -28 | -25 | -28 | -25 | -28 | -25 | |
| 575 | 114 | 55 | 27 | 70 | 55 | -25 | 6 | -29 | -25 | 6 | -29 | -25 | -2 | -29 | -25 | -27 | -25 | -27 | -25 | -27 | -25 | |
| 576 | 115 | 15 | 25 | 68 | 59 | -26 | 6 | -32 | -26 | 6 | -32 | -26 | -2 | -32 | -26 | -28 | -26 | -28 | -26 | -28 | -26 | |
| 577 | 115 | 36 | 26 | 61 | 61 | -25 | 6 | -31 | -25 | 6 | -31 | -25 | -1 | -31 | -25 | -28 | -25 | -28 | -25 | -28 | -25 | |
| 578 | 115 | 56 | 26 | 61 | 61 | -24 | 7 | -31 | -24 | 7 | -31 | -24 | -2 | -31 | -25 | -28 | -25 | -28 | -25 | -28 | -25 | |
| 579 | 116 | 16 | 26 | 70 | 61 | -25 | 6 | -31 | -25 | 6 | -31 | -25 | -2 | -31 | -25 | -28 | -25 | -28 | -25 | -28 | -25 | |
| 580 | 116 | 37 | 26 | 70 | 61 | -25 | 5 | -31 | -25 | 5 | -31 | -25 | -2 | -31 | -24 | -28 | -24 | -28 | -24 | -28 | -24 | |
| 581 | 116 | 57 | 26 | 70 | 61 | -24 | 6 | -31 | -24 | 6 | -31 | -24 | -2 | -31 | -24 | -27 | -24 | -27 | -24 | -27 | -24 | |
| 582 | 117 | 17 | 26 | 70 | 60 | -24 | 6 | -31 | -24 | 6 | -31 | -24 | -2 | -31 | -24 | -27 | -24 | -27 | -24 | -27 | -24 | |
| 583 | 117 | 38 | 25 | 70 | 59 | -26 | 7 | -32 | -26 | 7 | -32 | -26 | -2 | -32 | -25 | -29 | -26 | -29 | -26 | -29 | -26 | |
| 584 | 117 | 58 | 27 | 71 | 61 | -26 | 7 | -32 | -26 | 7 | -32 | -26 | -2 | -32 | -25 | -29 | -26 | -29 | -26 | -29 | -26 | |
| 585 | 118 | 18 | 26 | 70 | 59 | -24 | 6 | -31 | -24 | 6 | -31 | -24 | -2 | -31 | -24 | -28 | -24 | -28 | -24 | -28 | -24 | |
| 586 | 118 | 39 | 26 | 71 | 61 | -24 | 7 | -32 | -24 | 7 | -32 | -24 | -2 | -32 | -25 | -29 | -26 | -29 | -26 | -29 | -26 | |
| 587 | 118 | 59 | 26 | 71 | 61 | -23 | 7 | -31 | -23 | 7 | -31 | -23 | -1 | -31 | -24 | -27 | -24 | -27 | -24 | -27 | -24 | |
| 588 | 119 | 19 | 25 | 70 | 60 | -25 | 6 | -32 | -25 | 6 | -32 | -25 | -2 | -32 | -25 | -28 | -25 | -28 | -25 | -28 | -25 | |
| 589 | 119 | 40 | 26 | 71 | 55 | -24 | 7 | -31 | -24 | 7 | -31 | -24 | -2 | -31 | -25 | -28 | -25 | -28 | -25 | -28 | -25 | |
| 590 | 120 | 0 | 26 | 71 | 55 | -24 | 7 | -31 | -24 | 7 | -31 | -24 | -1 | -31 | -24 | -27 | -24 | -27 | -24 | -27 | -24 | |
| 591 | 120 | 21 | 24 | 69 | 53 | -25 | 6 | -32 | -25 | 6 | -32 | -25 | -3 | -32 | -26 | -29 | -26 | -29 | -26 | -29 | -26 | |
| 592 | 120 | 41 | 25 | 70 | 60 | -24 | 7 | -31 | -24 | 7 | -31 | -24 | -2 | -31 | -25 | -28 | -25 | -28 | -25 | -28 | -25 | |
| 593 | 121 | 2 | 24 | 69 | 59 | -25 | 5 | -32 | -25 | 5 | -32 | -25 | -3 | -32 | -26 | -29 | -26 | -29 | -26 | -29 | -26 | |
| 594 | 121 | 22 | 26 | 70 | 61 | -24 | 7 | -31 | -24 | 7 | -31 | -24 | -2 | -31 | -25 | -28 | -25 | -28 | -25 | -28 | -25 | |
| 595 | 121 | 42 | 25 | 71 | 61 | -23 | 7 | -30 | -23 | 7 | -30 | -23 | -3 | -30 | -24 | -27 | -24 | -27 | -24 | -27 | -24 | |
| 596 | 122 | 3 | 26 | 70 | 61 | -24 | 7 | -31 | -24 | 7 | -31 | -24 | -1 | -31 | -25 | -28 | -25 | -28 | -25 | -28 | -25 | |
| 597 | 122 | 23 | 24 | 69 | 60 | -24 | 6 | -32 | -24 | 6 | -32 | -24 | -2 | -32 | -25 | -28 | -25 | -28 | -25 | -28 | -25 | |
| 598 | 122 | 43 | 24 | 70 | 60 | -23 | 8 | -31 | -23 | 8 | -31 | -23 | -1 | -31 | -24 | -27 | -24 | -27 | -24 | -27 | -24 | |
| 599 | 123 | 3 | 24 | 70 | 60 | -24 | 8 | -32 | -24 | 8 | -32 | -24 | -3 | -32 | -26 | -29 | -26 | -29 | -26 | -29 | -26 | |
| 0 | 123 | 44 | 24 | 70 | 60 | -24 | 6 | -32 | -24 | 6 | -32 | -24 | -3 | -32 | -26 | -29 | -26 | -29 | -26 | -29 | -26 | |
| 601 | 124 | 4 | 25 | 71 | 61 | -23 | 7 | -30 | -23 | 7 | -30 | -23 | -2 | -30 | -24 | -27 | -24 | -27 | -24 | -27 | -24 | |
| 602 | 124 | 25 | 25 | 71 | 59 | -22 | 8 | -29 | -22 | 8 | -29 | -22 | -1 | -29 | -24 | -27 | -24 | -27 | -24 | -27 | -24 | |
| 603 | 124 | 45 | 25 | 70 | 59 | -23 | 7 | -31 | -23 | 7 | -31 | -23 | -2 | -31 | -24 | -27 | -24 | -27 | -24 | -27 | -24 | |
| 604 | 125 | 5 | 25 | 72 | 60 | -22 | 9 | -28 | -22 | 9 | -28 | -22 | 0 | -28 | -23 | -26 | -23 | -26 | -23 | -26 | -23 | |
| 605 | 125 | 26 | 26 | 72 | 59 | -20 | 9 | -26 | -20 | 9 | -26 | -20 | 0 | -26 | -23 | -26 | -23 | -26 | -23 | -26 | -23 | |
| 606 | 125 | 46 | 26 | 71 | 59 | -20 | 9 | -26 | -20 | 9 | -26 | -20 | 0 | -26 | -23 | -26 | -23 | -26 | -23 | -26 | -23 | |
| 607 | 126 | 6 | 25 | 70 | 5A | -19 | 8 | -25 | -19 | 8 | -25 | -19 | 0 | -25 | -22 | -25 | -22 | -25 | -22 | -25 | -22 | |
| 608 | 126 | 27 | 25 | 71 | 59 | -18 | 9 | -24 | -18 | 9 | -24 | -18 | 0 | -24 | -22 | -25 | -22 | -25 | -22 | -25 | -22 | |
| 609 | 126 | 47 | 25 | 71 | 58 | -17 | 10 | -23 | -17 | 10 | -23 | -17 | 0 | -23 | -21 | -24 | -21 | -24 | -21 | -24 | -21 | |
| 610 | 127 | 7 | 27 | 71 | 59 | -17 | 10 | -23 | -17 | 10 | -23 | -17 | 1 | -23 | -21 | -24 | -21 | -24 | -21 | -24 | -21 | |
| 611 | 127 | 28 | 26 | 71 | 59 | -16 | 9 | -22 | -16 | 9 | -22 | -16 | 1 | -22 | -20 | -23 | -20 | -23 | -20 | -23 | -20 | |
| 612 | 127 | 48 | 26 | 70 | 58 | -16 | 10 | -21 | -16 | 10 | -21 | -16 | 1 | -21 | -19 | -22 | -19 | -22 | -19 | -22 | -19 | |
| 613 | 128 | 9 | 27 | 71 | 59 | -16 | 9 | -21 | -16 | 9 | -21 | -16 | 1 | -21 | -19 | -22 | -19 | -22 | -19 | -22 | -19 | |
| 614 | 128 | 29 | 26 | 71 | 59 | -17 | 11 | -20 | -17 | 11 | -20 | -17 | 0 | -20 | -18 | -21 | -18 | -21 | -18 | -21 | -18 | |
| 615 | 128 | 49 | 26 | 71 | 58 | -16 | 11 | -20 | -16 | 11 | -20 | -16 | 0 | -20 | -18 | -21 | -18 | -21 | -18 | -21 | -18 | |
| 616 | 129 | 10 | 27 | 72 | 58 | -17 | 10 | -21 | -17 | 10 | -21 | -17 | 1 | -21 | -19 | -22 | -19 | -22 | -19 | -22 | -19 | |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR BOX OIL TEMP DEG.C | 5-16 MAIN G.OX COOLER INLET OIL DEG.C | 5-17 MAIN G.OX COOLER OUTLET OIL DEG.C | 5-18 INTER. GEAR BOX OIL TEMP DEG.C | 5-19 TAIL GEAR BOX OIL TEMP DEG.C | 5-20 GER-1 MASS TEMP DEG.C | 5-21 FUEL TEMP. TO COMBST HEATER DEG.C | 5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C | 5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C | 5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|--|--|---|---|---|
| 617 | 129 | 30 | 26 | 71 | 58 | -17 | 10 | 2 | -26 | -21 | -22 | -21 |
| 618 | 129 | 50 | 27 | 71 | 58 | -17 | 10 | 3 | -26 | -21 | -22 | -21 |
| 619 | 130 | 10 | 27 | 71 | 58 | -16 | 11 | 3 | -26 | -20 | -21 | -20 |
| 620 | 130 | 30 | 28 | 70 | 59 | -15 | 12 | 4 | -26 | -21 | -21 | -21 |
| 621 | 130 | 51 | 27 | 70 | 59 | -16 | 11 | 3 | -25 | -21 | -22 | -23 |
| 622 | 131 | 11 | 26 | 68 | 60 | -20 | 9 | 2 | -26 | -21 | -22 | -24 |
| 623 | 131 | 31 | 27 | 69 | 56 | -20 | 11 | 3 | -26 | -22 | -23 | -24 |
| 624 | 131 | 52 | 28 | 71 | 58 | -20 | 12 | 3 | -25 | -22 | -22 | -23 |
| 625 | 132 | 12 | 27 | 71 | 58 | -20 | 13 | 4 | -26 | -22 | -22 | -23 |
| 626 | 132 | 32 | 28 | 71 | 59 | -22 | 13 | 4 | -26 | -21 | -22 | -22 |
| 627 | 132 | 53 | 28 | 71 | 59 | -22 | 12 | 4 | -26 | -21 | -22 | -22 |
| 628 | 133 | 13 | 28 | 70 | 61 | -22 | 13 | 5 | -26 | -21 | -22 | -22 |
| 629 | 133 | 33 | 29 | 71 | 59 | -22 | 13 | 5 | -26 | -21 | -22 | -22 |
| 630 | 133 | 54 | 29 | 71 | 59 | -23 | 14 | 5 | -27 | -22 | -22 | -22 |
| 631 | 134 | 14 | 31 | 70 | 60 | -22 | 14 | 7 | -26 | -22 | -22 | -23 |
| 632 | 134 | 34 | 29 | 69 | 58 | -23 | 13 | 5 | -27 | -22 | -22 | -23 |
| 633 | 134 | 55 | 29 | 70 | 59 | -21 | 14 | 6 | -26 | -22 | -22 | -22 |
| 634 | 135 | 15 | 31 | 71 | 60 | -20 | 15 | 7 | -27 | -22 | -22 | -22 |
| 635 | 135 | 35 | 30 | 70 | 60 | -20 | 14 | 7 | -28 | -22 | -22 | -22 |
| 636 | 135 | 56 | 30 | 69 | 59 | -20 | 14 | 7 | -28 | -22 | -22 | -22 |
| 637 | 136 | 16 | 31 | 70 | 58 | -18 | 14 | 7 | -23 | -23 | -23 | -24 |
| 638 | 136 | 37 | 31 | 69 | 59 | -17 | 16 | 8 | -28 | -22 | -22 | -23 |
| 639 | 136 | 57 | 31 | 68 | 59 | -19 | 12 | 6 | -26 | -22 | -22 | -23 |
| 640 | 137 | 17 | 31 | 70 | 60 | -20 | 12 | 5 | -28 | -24 | -24 | -24 |
| 641 | 137 | 37 | 31 | 68 | 59 | -23 | 12 | 5 | -28 | -24 | -24 | -24 |
| 642 | 137 | 58 | 31 | 68 | 55 | -22 | 11 | 3 | -28 | -24 | -24 | -24 |
| 643 | 138 | 18 | 31 | 69 | 52 | -22 | 11 | 3 | -29 | -26 | -26 | -25 |
| 644 | 138 | 38 | 31 | 71 | 58 | -19 | 11 | 4 | -29 | -26 | -26 | -25 |
| 645 | 138 | 59 | 32 | 70 | 59 | -18 | 12 | 5 | -27 | -25 | -25 | -23 |
| 646 | 139 | 19 | 32 | 70 | 59 | -17 | 11 | 5 | -28 | -24 | -24 | -23 |
| 647 | 139 | 39 | 31 | 70 | 58 | -17 | 12 | 4 | -28 | -23 | -23 | -23 |
| 648 | 139 | 59 | 31 | 69 | 61 | -18 | 12 | 5 | -28 | -24 | -24 | -24 |
| 649 | 140 | 20 | 32 | 69 | 60 | -20 | 11 | 4 | -28 | -24 | -24 | -25 |
| 650 | 140 | 40 | 31 | 70 | 59 | -21 | 12 | 4 | -28 | -24 | -24 | -25 |
| 651 | 141 | 0 | 31 | 71 | 58 | -22 | 14 | 4 | -28 | -23 | -23 | -25 |
| 652 | 141 | 20 | 31 | 71 | 57 | -20 | 14 | 6 | -28 | -23 | -23 | -25 |
| 653 | 141 | 40 | 31 | 71 | 59 | -22 | 14 | 5 | -28 | -23 | -23 | -25 |
| 654 | 142 | 0 | 31 | 70 | 60 | -22 | 16 | 6 | -28 | -24 | -24 | -25 |
| 655 | 142 | 21 | 32 | 71 | 60 | -22 | 15 | 6 | -28 | -24 | -24 | -25 |
| 656 | 143 | 41 | 32 | 71 | 56 | -21 | 16 | 7 | -28 | -23 | -23 | -25 |
| 657 | 143 | 1 | 32 | 71 | 56 | -21 | 15 | 7 | -29 | -23 | -23 | -25 |
| 658 | 143 | 21 | 32 | 71 | 58 | -20 | 15 | 8 | -29 | -24 | -24 | -25 |
| 659 | 143 | 41 | 33 | 70 | 59 | -20 | 16 | 8 | -29 | -24 | -24 | -24 |
| 660 | 144 | 2 | 32 | 70 | 59 | -20 | 15 | 8 | -28 | -23 | -23 | -24 |
| 661 | 144 | 22 | 33 | 70 | 59 | -20 | 16 | 8 | -28 | -23 | -23 | -24 |
| 662 | 144 | 42 | 33 | 70 | 60 | -20 | 16 | 8 | -28 | -23 | -23 | -24 |
| 663 | 145 | 2 | 33 | 70 | 59 | -20 | 15 | 8 | -28 | -23 | -23 | -24 |
| 664 | 145 | 22 | 33 | 70 | 55 | -19 | 15 | 8 | -28 | -23 | -23 | -24 |
| 665 | 145 | 43 | 33 | 70 | 57 | -18 | 16 | 9 | -28 | -23 | -23 | -24 |
| 666 | 146 | 3 | 33 | 70 | 58 | -18 | 16 | 9 | -28 | -24 | -24 | -24 |

| 5-02 | 5-03 | 5-15 | 5-16 | 5-17 | 5-18 | 5-19 | 5-20 | 5-21 | 5-22 | 5-23 | 5-24 |
|------|------|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|
| TIME | TIME | ACCESS | MAIN | MAIN | INTER. | TAIL | GEN.1 | FUEL | L.ELEC | L.ELEC | L.ELEC |
| MIN. | SEC. | GEAR | G.BOX | G.BOX | GEAR | GEAR | MASS | TEMP. | COMPT | COMPT | COMPT |
| | | BOX | COOLER | COOLER | BOX | BOX | TEMP | TO | YOPCTR | BYM FT | BYM FT |
| | | GIL | INLEY | OUTLET | OIL | OIL | DEG.C | COMBST | AIR | AIR | AIR |
| | | TEMP | OIL | OIL | TEMP | TEMP | DEG.C | HEATER | TEMP | TEMP | TEMP |
| | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 667 | 23 | 33 | 69 | 59 | -16 | 17 | 9 | -30 | -24 | -22 | -24 |
| 668 | 43 | 34 | 69 | 58 | -16 | 17 | 9 | -30 | -24 | -23 | -24 |
| 669 | 3 | 34 | 69 | 59 | -16 | 18 | 8 | -30 | -24 | -23 | -24 |
| 670 | 23 | 34 | 69 | 57 | -18 | 17 | 8 | -30 | -24 | -23 | -24 |
| 671 | 44 | 33 | 69 | 58 | -16 | 18 | 8 | -30 | -24 | -23 | -24 |
| 672 | 4 | 34 | 69 | 57 | -16 | 18 | 8 | -30 | -24 | -22 | -24 |
| 673 | 24 | 34 | 69 | 59 | -16 | 17 | 8 | -30 | -25 | -24 | -25 |
| 674 | 44 | 33 | 69 | 59 | -18 | 17 | 8 | -31 | -25 | -23 | -25 |
| 675 | 44 | 34 | 69 | 59 | -18 | 17 | 8 | -31 | -24 | -23 | -24 |
| 676 | 25 | 34 | 69 | 59 | -18 | 17 | 8 | -31 | -24 | -23 | -24 |
| 677 | 45 | 33 | 69 | 59 | -18 | 17 | 8 | -31 | -23 | -23 | -24 |
| 678 | 5 | 33 | 69 | 59 | -19 | 17 | 8 | -31 | -23 | -23 | -24 |
| 679 | 25 | 33 | 69 | 59 | -18 | 17 | 8 | -31 | -23 | -23 | -24 |
| 680 | 46 | 33 | 69 | 59 | -18 | 17 | 8 | -31 | -24 | -23 | -24 |
| 681 | 6 | 34 | 69 | 59 | -18 | 18 | 8 | -31 | -24 | -23 | -24 |
| 682 | 26 | 33 | 69 | 59 | -18 | 18 | 8 | -31 | -23 | -22 | -24 |
| 683 | 46 | 33 | 69 | 59 | -19 | 18 | 8 | -31 | -23 | -22 | -24 |
| 684 | 7 | 33 | 69 | 59 | -19 | 18 | 8 | -31 | -24 | -23 | -24 |
| 685 | 152 | 33 | 69 | 59 | -18 | 18 | 8 | -31 | -22 | -22 | -24 |
| 686 | 47 | 33 | 69 | 59 | -17 | 19 | 8 | -31 | -22 | -22 | -24 |
| 687 | 7 | 33 | 68 | 59 | -18 | 18 | 8 | -31 | -23 | -22 | -24 |
| 688 | 28 | 33 | 68 | 59 | -17 | 19 | 8 | -31 | -23 | -22 | -24 |
| 689 | 48 | 34 | 68 | 59 | -17 | 19 | 8 | -31 | -23 | -22 | -24 |
| 690 | 6 | 34 | 69 | 59 | -16 | 19 | 8 | -30 | -22 | -22 | -24 |
| 691 | 28 | 34 | 68 | 58 | -16 | 19 | 6 | -30 | -23 | -23 | -24 |
| 692 | 49 | 34 | 68 | 58 | -14 | 19 | 6 | -30 | -23 | -23 | -24 |
| 693 | 9 | 34 | 68 | 58 | -14 | 19 | 9 | -30 | -23 | -22 | -24 |
| 694 | 155 | 34 | 68 | 58 | -14 | 19 | 9 | -30 | -23 | -23 | -24 |
| 695 | 29 | 35 | 68 | 58 | -12 | 19 | 9 | -30 | -23 | -23 | -24 |
| 696 | 49 | 35 | 68 | 58 | -12 | 19 | 8 | -30 | -24 | -22 | -24 |
| 697 | 10 | 35 | 68 | 59 | -12 | 19 | 8 | -30 | -23 | -22 | -24 |
| 698 | 30 | 35 | 68 | 59 | -13 | 19 | 9 | -30 | -23 | -22 | -24 |
| 699 | 51 | 35 | 68 | 59 | -13 | 19 | 9 | -30 | -23 | -22 | -24 |
| 700 | 11 | 35 | 67 | 59 | -14 | 18 | 8 | -30 | -24 | -24 | -25 |
| 701 | 51 | 36 | 66 | 56 | -15 | 17 | 8 | -30 | -24 | -24 | -25 |
| 702 | 11 | 36 | 65 | 55 | -15 | 16 | 10 | -30 | -24 | -24 | -25 |
| 703 | 31 | 38 | 65 | 55 | -16 | 16 | 11 | -30 | -24 | -24 | -25 |
| 704 | 51 | 38 | 64 | 55 | -15 | 17 | 11 | -30 | -24 | -24 | -26 |

MH-53C S/N 68-10354
 ARCTIC TEST
 15 JANUARY 1971
 RUN NO. 3

-40 DEG C / -40 DEG F

| -01 SNEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-25 R.ELEC COMPT LEFT AFFAIR TEMP DEG.C | 5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C | 5-27 R.ELEC COMPT RIGHT FWD AIR TEMP DEG.C | 5-28 L. MAIN FUEL CELL 1/3LVL TEMP DEG.C | 5-29 GEN.2 MASS TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|---|--|--|--|
| 272 | 11 | 37 | -32 | -32 | -32 | -24 | -36 |
| 273 | 11 | 57 | -32 | -32 | -32 | -24 | -36 |
| 274 | 12 | 16 | -32 | -32 | -32 | -25 | -35 |
| 275 | 12 | 35 | * | * | * | * | * |
| 276 | 12 | 54 | -32 | -32 | -32 | -24 | -33 |
| 277 | 13 | 14 | -32 | -32 | -32 | -24 | -32 |
| 278 | 13 | 33 | -31 | -32 | -32 | -24 | -31 |
| 279 | 13 | 53 | -32 | -31 | -31 | -24 | -31 |
| 280 | 14 | 12 | -32 | -32 | -32 | -24 | -30 |
| 281 | 14 | 32 | -31 | -31 | -32 | -24 | -29 |
| 282 | 14 | 51 | -32 | -31 | -32 | -24 | -28 |
| 283 | 15 | 11 | -32 | -32 | -32 | -24 | -27 |
| 284 | 15 | 30 | -32 | -32 | -32 | -24 | -26 |
| 285 | 15 | 50 | -31 | -32 | -32 | -24 | -25 |
| 286 | 16 | 9 | -32 | -32 | -32 | -24 | -24 |
| 287 | 16 | 29 | -32 | -32 | -33 | -24 | -24 |
| 288 | 16 | 48 | -32 | -32 | -32 | -24 | -23 |
| 289 | 17 | 7 | -32 | -32 | -32 | -24 | -22 |
| 290 | 17 | 27 | -31 | -31 | -32 | -24 | -21 |
| 291 | 17 | 46 | -31 | -31 | -31 | -24 | -19 |
| 292 | 18 | 6 | -30 | -30 | -31 | -23 | -18 |
| 293 | 18 | 25 | -29 | -30 | -30 | -22 | -17 |
| 294 | 18 | 44 | -29 | -30 | -30 | -22 | -16 |
| 295 | 19 | 4 | -29 | -29 | -29 | -22 | -15 |
| 296 | 19 | 23 | -29 | -29 | -30 | -21 | -14 |
| 297 | 19 | 43 | -29 | -29 | -30 | -22 | -13 |
| 298 | 20 | 2 | -29 | -29 | -29 | -21 | -12 |
| 299 | 20 | 21 | -28 | -28 | -29 | -21 | -12 |
| 300 | 20 | 41 | -28 | -28 | -29 | -21 | -11 |
| 301 | 21 | 0 | -28 | -28 | -29 | -21 | -11 |
| 302 | 21 | 20 | -28 | -28 | -29 | -21 | -10 |
| 303 | 21 | 39 | -28 | -28 | -28 | -20 | -10 |
| 304 | 21 | 58 | -28 | -28 | -28 | -20 | -8 |
| 305 | 22 | 18 | -28 | -28 | -28 | -20 | -8 |
| 306 | 22 | 37 | -28 | -28 | -28 | -20 | -7 |
| 307 | 22 | 57 | -28 | -28 | -29 | -20 | -6 |
| 308 | 23 | 16 | -28 | -28 | -28 | -20 | -5 |
| 309 | 23 | 36 | -28 | -28 | -28 | -20 | -4 |
| 310 | 23 | 55 | -28 | -28 | -28 | -20 | -3 |
| 311 | 24 | 14 | -28 | -28 | -29 | -20 | -3 |
| 312 | 24 | 34 | -28 | -28 | -28 | -20 | -2 |
| 313 | 24 | 53 | -28 | -28 | -28 | -20 | -0 |
| 314 | 25 | 13 | -28 | -28 | -28 | -20 | 0 |
| 315 | 25 | 32 | -28 | -28 | -29 | -20 | 0 |
| 316 | 25 | 52 | -28 | -28 | -29 | -20 | 0 |

| TIME | 5-02 | 5-03 | 5-25 | 5-26 | 5-27 | 5-28 | 5-29 |
|------|------|------|-------|--------|-------|---------|--------|
| MIN. | TIME | TIME | COMPT | COMPT | COMPT | L. MAIN | GEN. 2 |
| | SEC. | | LEAT | CENTER | RIGHT | FUEL | MASS |
| | | | TEMP | AIR | TEMP | DELL | TEMP |
| | | | DEG.C | DEG.C | DEG.C | 1731VL | DEG.C |
| 317 | 11 | | -28 | -26 | -29 | -21 | 1 |
| 318 | 31 | | -26 | -28 | -28 | -20 | 2 |
| 319 | 51 | | -28 | -28 | -28 | -20 | 3 |
| 320 | 10 | | -28 | -28 | -28 | -21 | 4 |
| 321 | 30 | | -28 | -28 | -28 | -21 | 5 |
| 322 | 27 | | -28 | -28 | -28 | -21 | 6 |
| 323 | 9 | | -28 | -28 | -28 | -21 | 7 |
| 324 | 28 | | -28 | -28 | -28 | -21 | 8 |
| 325 | 48 | | -28 | -28 | -28 | -21 | 9 |
| 326 | 29 | | -28 | -29 | -29 | -21 | 10 |
| 327 | 6 | | -28 | -29 | -29 | -21 | 11 |
| 328 | 28 | | -29 | -29 | -29 | -21 | 12 |
| 329 | 47 | | -29 | -29 | -29 | -21 | 13 |
| 330 | 7 | | -28 | -28 | -29 | -21 | 14 |
| 331 | 27 | | -29 | -28 | -29 | -21 | 15 |
| 332 | 30 | | -29 | -29 | -29 | -21 | 16 |
| 333 | 46 | | -28 | -29 | -29 | -21 | 17 |
| 334 | 6 | | -28 | -28 | -29 | -21 | 18 |
| 335 | 31 | | -29 | -28 | -29 | -21 | 19 |
| 336 | 26 | | -29 | -28 | -29 | -21 | 20 |
| 337 | 45 | | -29 | -29 | -29 | -22 | 21 |
| 338 | 5 | | -30 | -29 | -29 | -22 | 22 |
| 339 | 25 | | -29 | -29 | -29 | -22 | 23 |
| 340 | 32 | | -29 | -29 | -29 | -22 | 24 |
| 341 | 45 | | -29 | -29 | -29 | -22 | 25 |
| 342 | 5 | | -29 | -29 | -29 | -22 | 26 |
| 343 | 24 | | -29 | -29 | -29 | -22 | 27 |
| 344 | 44 | | -29 | -29 | -29 | -22 | 28 |
| 345 | 4 | | -29 | -29 | -29 | -22 | 29 |
| 346 | 34 | | -30 | -30 | -30 | -22 | 30 |
| 347 | 44 | | -30 | -30 | -30 | -22 | 31 |
| 348 | 4 | | -30 | -30 | -30 | -22 | 32 |
| 349 | 35 | | -30 | -30 | -30 | -22 | 33 |
| 350 | 23 | | -29 | -30 | -30 | -22 | 34 |
| 351 | 43 | | -29 | -30 | -30 | -22 | 35 |
| 352 | 3 | | -30 | -30 | -30 | -22 | 36 |
| 353 | 23 | | -30 | -30 | -30 | -22 | 37 |
| 354 | 43 | | -30 | -30 | -30 | -22 | 38 |
| 355 | 36 | | -29 | -30 | -30 | -22 | 39 |
| 356 | 37 | | -30 | -30 | -30 | -22 | 40 |
| 357 | 27 | | -30 | -30 | -30 | -22 | 41 |
| 358 | 13 | | -29 | -30 | -30 | -22 | 42 |
| 359 | 3 | | -30 | -30 | -30 | -22 | 43 |
| 360 | 22 | | -30 | -30 | -30 | -22 | 44 |
| 361 | 42 | | -30 | -30 | -30 | -22 | 45 |
| 362 | 2 | | -30 | -30 | -30 | -22 | 46 |
| 363 | 39 | | -30 | -30 | -30 | -22 | 47 |
| 364 | 42 | | -30 | -30 | -30 | -22 | 48 |
| 365 | 2 | | -30 | -30 | -30 | -22 | 49 |
| 366 | 42 | | -30 | -30 | -30 | -22 | 50 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-25 | | 5-26 | | 5-27 | | 5-28 | | 5-29 | |
|-----------------------|----------------------|----------------------|-----------------|---------------------------------|---|--|---|--------------------------------|------|----|------|----|
| | | | R.ELEC COMPT | LEFT AFFAIR TEMP DEG.C | R.ELEC COMPT CENTER AIR TEMP DEG.C | R.ELEC COMPT RIGHT FWD AIR TEMP DEG.C | L.MAIN FUEL CELL 1/3LVL TEMP DEG.C | GEN-2 MASS TEMP DEG.C | | | | |
| 367 | 42 | 42 | -31 | -31 | -31 | -31 | -31 | -31 | -25 | 15 | -25 | 15 |
| 368 | 43 | 2 | -30 | -30 | -31 | -30 | -32 | -32 | -25 | 15 | -25 | 15 |
| 369 | 43 | 22 | -31 | -31 | -31 | -30 | -30 | -30 | -25 | 16 | -25 | 16 |
| 370 | 43 | 42 | -31 | -31 | -31 | -30 | -32 | -32 | -24 | 17 | -24 | 17 |
| 371 | 44 | 2 | -31 | -31 | -30 | -30 | -30 | -30 | -25 | 17 | -25 | 17 |
| 372 | 44 | 22 | -31 | -31 | -31 | -30 | -32 | -32 | -25 | 17 | -25 | 17 |
| 373 | 44 | 42 | -31 | -31 | -31 | -30 | -31 | -31 | -24 | 17 | -24 | 17 |
| 374 | 45 | 2 | -30 | -30 | -30 | -30 | -30 | -30 | -24 | 18 | -24 | 18 |
| 375 | 45 | 22 | -30 | -30 | -30 | -30 | -30 | -30 | -24 | 18 | -24 | 18 |
| 376 | 45 | 42 | -30 | -30 | -30 | -30 | -30 | -30 | -25 | 18 | -25 | 18 |
| 377 | 46 | 2 | -30 | -30 | -30 | -30 | -30 | -30 | -25 | 18 | -25 | 18 |
| 378 | 46 | 23 | -30 | -30 | -29 | -29 | -29 | -29 | -24 | 19 | -24 | 19 |
| 379 | 46 | 43 | -30 | -30 | -29 | -29 | -28 | -28 | -25 | 19 | -25 | 19 |
| 380 | 47 | 3 | -30 | -30 | -29 | -29 | -29 | -29 | -24 | 19 | -24 | 19 |
| 381 | 47 | 23 | -29 | -29 | -28 | -28 | -28 | -28 | -25 | 19 | -25 | 19 |
| 382 | 47 | 43 | -28 | -28 | -28 | -28 | -28 | -28 | -25 | 19 | -25 | 19 |
| 383 | 48 | 3 | -29 | -29 | -28 | -28 | -28 | -28 | -25 | 19 | -25 | 19 |
| 384 | 48 | 23 | -28 | -28 | -27 | -27 | -27 | -27 | -24 | 20 | -24 | 20 |
| 385 | 48 | 43 | -28 | -28 | -26 | -26 | -26 | -26 | -24 | 19 | -24 | 19 |
| 386 | 49 | 3 | -28 | -28 | -26 | -26 | -26 | -26 | -24 | 19 | -24 | 19 |
| 387 | 49 | 23 | -28 | -28 | -26 | -26 | -26 | -26 | -24 | 20 | -24 | 20 |
| 388 | 49 | 43 | -28 | -28 | -25 | -25 | -25 | -25 | -24 | 19 | -24 | 19 |
| 389 | 50 | 3 | -28 | -28 | -25 | -25 | -25 | -25 | -24 | 19 | -24 | 19 |
| 390 | 50 | 24 | -27 | -27 | -25 | -25 | -25 | -25 | -24 | 19 | -24 | 19 |
| 391 | 50 | 44 | -27 | -27 | -26 | -26 | -26 | -26 | -25 | 19 | -25 | 19 |
| 392 | 51 | 4 | -27 | -27 | -25 | -25 | -25 | -25 | -24 | 21 | -24 | 21 |
| 393 | 51 | 24 | -27 | -27 | -25 | -25 | -25 | -25 | -24 | 21 | -24 | 21 |
| 394 | 51 | 44 | -26 | -26 | -25 | -25 | -25 | -25 | -24 | 21 | -24 | 21 |
| 395 | 52 | 4 | -26 | -26 | -24 | -24 | -24 | -24 | -24 | 21 | -24 | 21 |
| 396 | 52 | 24 | -26 | -26 | -24 | -24 | -24 | -24 | -24 | 21 | -24 | 21 |
| 397 | 52 | 44 | -26 | -26 | -24 | -24 | -24 | -24 | -24 | 21 | -24 | 21 |
| 398 | 53 | 5 | -26 | -26 | -23 | -23 | -23 | -23 | -24 | 22 | -24 | 22 |
| 399 | 53 | 25 | -25 | -25 | -23 | -23 | -23 | -23 | -24 | 22 | -24 | 22 |
| 400 | 53 | 45 | -25 | -25 | -23 | -23 | -23 | -23 | -24 | 22 | -24 | 22 |
| 401 | 54 | 5 | -25 | -25 | -22 | -22 | -22 | -22 | -24 | 22 | -24 | 22 |
| 402 | 54 | 25 | -24 | -24 | -22 | -22 | -22 | -22 | -24 | 22 | -24 | 22 |
| 403 | 54 | 45 | -24 | -24 | -22 | -22 | -22 | -22 | -24 | 22 | -24 | 22 |
| 404 | 55 | 6 | -25 | -25 | -22 | -22 | -22 | -22 | -25 | 22 | -25 | 22 |
| 405 | 55 | 26 | -24 | -24 | -22 | -22 | -22 | -22 | -25 | 22 | -25 | 22 |
| 406 | 55 | 46 | -24 | -24 | -22 | -22 | -22 | -22 | -24 | 22 | -24 | 22 |
| 407 | 56 | 6 | -24 | -24 | -22 | -22 | -22 | -22 | -25 | 23 | -25 | 23 |
| 408 | 56 | 26 | -24 | -24 | -22 | -22 | -22 | -22 | -25 | 23 | -25 | 23 |
| 409 | 56 | 46 | -23 | -23 | -21 | -21 | -21 | -21 | -24 | 23 | -24 | 23 |
| 410 | 57 | 6 | -23 | -23 | -21 | -21 | -21 | -21 | -25 | 24 | -25 | 24 |
| 411 | 57 | 26 | -23 | -23 | -21 | -21 | -21 | -21 | -25 | 24 | -25 | 24 |
| 412 | 57 | 46 | -22 | -22 | -20 | -20 | -20 | -20 | -26 | 24 | -26 | 24 |
| 413 | 58 | 6 | -22 | -22 | -19 | -19 | -19 | -19 | -25 | 24 | -25 | 24 |
| 414 | 58 | 26 | -22 | -22 | -19 | -19 | -19 | -19 | -25 | 24 | -25 | 24 |
| 415 | 58 | 46 | -21 | -21 | -19 | -19 | -19 | -19 | -25 | 24 | -25 | 24 |
| 416 | 59 | 7 | -21 | -21 | -19 | -19 | -19 | -19 | -26 | 24 | -26 | 24 |

| SWLCP COUNT | 5-25 TIME MIN. | 5-03 TIME SEC. | 5-25 R.ELEC COMPT LEFT AIR TEMP DEG.C | 5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C | 5-27 R.ELEC COMPT RIGHT FWD AIR TEMP DEG.C | 5-28 L. MAIN FUEL CELL 1/3LVL TEMP DEG.C | 5-29 GEN-2 MASS TEMP DEG.C |
|----------------|----------------------|----------------------|---|---|--|--|--|
| 417 | 59 | 27 | -21 | -17 | -20 | -25 | 24 |
| 418 | 59 | 47 | -19 | -13 | -18 | -25 | 24 |
| 419 | 60 | 7 | -14 | -11 | -18 | -25 | 23 |
| 420 | 60 | 27 | -16 | -10 | -17 | -24 | 22 |
| 421 | 60 | 47 | -15 | -6 | -15 | -24 | 22 |
| 422 | 61 | 7 | -14 | -4 | -14 | -24 | 22 |
| 423 | 61 | 28 | -14 | -4 | -12 | -25 | 22 |
| 424 | 61 | 48 | -14 | -3 | -12 | -24 | 21 |
| 425 | 62 | 8 | -13 | -3 | -11 | -24 | 21 |
| 426 | 62 | 28 | -13 | -2 | -11 | -24 | 21 |
| 427 | 62 | 48 | -12 | -0 | -10 | -24 | 21 |
| 428 | 63 | 8 | -10 | 0 | -9 | -24 | 21 |
| 429 | 63 | 28 | -10 | 0 | -8 | -24 | 21 |
| 430 | 63 | 48 | -9 | 1 | -8 | -24 | 21 |
| 431 | 64 | 8 | -11 | 0 | -9 | -25 | 21 |
| 432 | 64 | 28 | -11 | 0 | -9 | -26 | 21 |
| 433 | 64 | 48 | -11 | 0 | -8 | -25 | 21 |
| 434 | 65 | 8 | -10 | 0 | -8 | -25 | 20 |
| 435 | 65 | 28 | -9 | 1 | -7 | -25 | 21 |
| 436 | 65 | 48 | -10 | 1 | -8 | -25 | 21 |
| 437 | 66 | 8 | -8 | 2 | -6 | -24 | 21 |
| 438 | 66 | 28 | -8 | 1 | -7 | -25 | 21 |
| 439 | 66 | 48 | -7 | 2 | -6 | -24 | 21 |
| 440 | 67 | 8 | -6 | 2 | -7 | -24 | 21 |
| 441 | 67 | 29 | -8 | 2 | -6 | -24 | 21 |
| 442 | 67 | 49 | -7 | 2 | -6 | -24 | 21 |
| 443 | 68 | 9 | -6 | 1 | -6 | -25 | 21 |
| 444 | 68 | 29 | -7 | 2 | -5 | -24 | 21 |
| 445 | 68 | 49 | -6 | 5 | -4 | -24 | 21 |
| 446 | 69 | 9 | -5 | 8 | -10 | -25 | 21 |
| 447 | 69 | 29 | -5 | 10 | -7 | -23 | 21 |
| 448 | 69 | 49 | -3 | 9 | -4 | -24 | 22 |
| 449 | 70 | 9 | -3 | 8 | -3 | -24 | 22 |
| 450 | 70 | 29 | -4 | 9 | -2 | -24 | 22 |
| 451 | 70 | 49 | -2 | 8 | -2 | -24 | 21 |
| 452 | 71 | 9 | -1 | 8 | -1 | -24 | 21 |
| 453 | 71 | 30 | -3 | 8 | -1 | -24 | 21 |
| 454 | 71 | 50 | -2 | 7 | -1 | -24 | 22 |
| 455 | 72 | 10 | -1 | 9 | -0 | -24 | 22 |
| 456 | 72 | 30 | 0 | 9 | -0 | -25 | 22 |
| 457 | 72 | 50 | 0 | 9 | 0 | -24 | 22 |
| 458 | 73 | 10 | 0 | 10 | 0 | -24 | 22 |
| 459 | 73 | 30 | -0 | 9 | 0 | -24 | 22 |
| 460 | 73 | 50 | 0 | 10 | 0 | -24 | 22 |
| 461 | 74 | 11 | 1 | 9 | 0 | -24 | 23 |
| 462 | 74 | 31 | 0 | 8 | 0 | -24 | 22 |
| 463 | 74 | 51 | 1 | 11 | 1 | -24 | 22 |
| 464 | 75 | 11 | 5 | 13 | 3 | -24 | 23 |
| 465 | 75 | 31 | 10 | 15 | 5 | -24 | 23 |
| 466 | 75 | 51 | 12 | 17 | 7 | -24 | 23 |

| -01 SNEEP COUNT | 5-02 TIME | | 5-03 TIME | | 5-25 R.ELEC COMPT | | 5-26 R.ELEC COMPT | | 5-27 R.ELEC COMPT | | 5-28 L.MAIN FUEL | | 5-29 GEN.2 MASS | |
|-----------------------|--------------|------|--------------|------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|------------------------|---------------|-----------------------|---------------|
| | MIN. | SEC. | MIN. | SEC. | LEFT AFTAIR | TEMP DEG.C | CENTER AIR | TEMP DEG.C | RIGHT FWDAIR | TEMP DEG.C | CELL 1/3LVL | TEMP DEG.C | TEMP DEG.C | TEMP DEG.C |
| 467 | 76 | 12 | 14 | 16 | 14 | 14 | 16 | 16 | 8 | 8 | -24 | 24 | 24 | |
| 468 | 76 | 32 | 15 | 19 | 15 | 15 | 19 | 19 | 9 | 9 | -24 | 24 | 24 | |
| 469 | 76 | 52 | 15 | 19 | 15 | 15 | 19 | 19 | 9 | 9 | -24 | 24 | 24 | |
| 470 | 77 | 12 | 15 | 19 | 15 | 15 | 19 | 19 | 10 | 10 | -24 | 24 | 24 | |
| 471 | 77 | 32 | 17 | 21 | 17 | 21 | 21 | 21 | 11 | 11 | -23 | 23 | 23 | |
| 472 | 77 | 52 | 20 | 27 | 16 | 20 | 20 | 20 | 11 | 11 | -23 | 23 | 23 | |
| 473 | 78 | 13 | 13 | 15 | 13 | 13 | 15 | 15 | 8 | 8 | -23 | 23 | 23 | |
| 474 | 78 | 33 | 8 | 13 | 8 | 13 | 13 | 13 | 8 | 8 | -23 | 23 | 23 | |
| 475 | 78 | 53 | 6 | 9 | 6 | 9 | 9 | 9 | 5 | 5 | -24 | 24 | 24 | |
| 476 | 79 | 13 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 4 | -23 | 23 | 23 | |
| 477 | 79 | 34 | 5 | 6 | 5 | 6 | 6 | 6 | 2 | 2 | -22 | 22 | 22 | |
| 478 | 79 | 54 | 4 | 4 | 4 | 4 | 4 | 4 | -2 | -2 | -23 | 23 | 23 | |
| 479 | 80 | 14 | 4 | 2 | 4 | 2 | 2 | 2 | -4 | -4 | -22 | 22 | 22 | |
| 480 | 80 | 34 | 2 | 0 | 2 | 0 | 0 | 0 | -6 | -6 | -22 | 22 | 22 | |
| 481 | 80 | 55 | 3 | 1 | 3 | 1 | 1 | 1 | -2 | -2 | -22 | 24 | 24 | |
| 482 | 81 | 15 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 2 | -22 | 23 | 23 | |
| 483 | 81 | 35 | 3 | 2 | 3 | 2 | 2 | 2 | 0 | 0 | -22 | 23 | 23 | |
| 484 | 81 | 56 | 2 | 1 | 2 | 1 | 1 | 1 | -4 | -4 | -23 | 23 | 23 | |
| 485 | 82 | 16 | 1 | -2 | 1 | -2 | -2 | -2 | -7 | -7 | -23 | 24 | 24 | |
| 486 | 82 | 36 | -1 | -6 | -1 | -6 | -6 | -6 | -3 | -3 | -23 | 22 | 22 | |
| 487 | 82 | 56 | -7 | -13 | -7 | -13 | -13 | -13 | -20 | -20 | -23 | 21 | 21 | |
| 488 | 83 | 17 | -9 | -13 | -9 | -13 | -13 | -13 | -18 | -18 | -23 | 20 | 20 | |
| 489 | 83 | 37 | -10 | -14 | -10 | -14 | -14 | -14 | -17 | -17 | -23 | 19 | 19 | |
| 490 | 83 | 57 | -11 | -15 | -11 | -15 | -15 | -15 | -17 | -17 | -23 | 19 | 19 | |
| 491 | 84 | 17 | -12 | -15 | -12 | -15 | -15 | -15 | -18 | -18 | -23 | 18 | 18 | |
| 492 | 84 | 38 | -12 | -15 | -12 | -15 | -15 | -15 | -18 | -18 | -23 | 18 | 18 | |
| 493 | 84 | 58 | -12 | -15 | -12 | -15 | -15 | -15 | -18 | -18 | -22 | 17 | 17 | |
| 494 | 85 | 14 | -13 | -16 | -13 | -16 | -16 | -16 | -19 | -19 | -22 | 16 | 16 | |
| 495 | 85 | 38 | -14 | -16 | -14 | -16 | -16 | -16 | -19 | -19 | -22 | 16 | 16 | |
| 496 | 85 | 59 | -13 | -15 | -13 | -15 | -15 | -15 | -18 | -18 | -22 | 15 | 15 | |
| 497 | 86 | 19 | -13 | -16 | -13 | -16 | -16 | -16 | -18 | -18 | -22 | 15 | 15 | |
| 498 | 86 | 39 | -14 | -17 | -14 | -17 | -17 | -17 | -19 | -19 | -23 | 15 | 15 | |
| 499 | 87 | 0 | -14 | -18 | -14 | -18 | -18 | -18 | -20 | -20 | -23 | 15 | 15 | |
| 500 | 87 | 20 | -14 | -18 | -14 | -18 | -18 | -18 | -20 | -20 | -22 | 14 | 14 | |
| 501 | 87 | 40 | -15 | -19 | -15 | -19 | -19 | -19 | -20 | -20 | -22 | 13 | 13 | |
| 502 | 88 | 0 | -16 | -20 | -16 | -20 | -20 | -20 | -23 | -23 | -22 | 12 | 12 | |
| 503 | 88 | 21 | -17 | -20 | -17 | -20 | -20 | -20 | -23 | -23 | -22 | 12 | 12 | |
| 504 | 88 | 41 | -16 | -20 | -16 | -20 | -20 | -20 | -22 | -22 | -22 | 11 | 11 | |
| 505 | 89 | 1 | -16 | -20 | -16 | -20 | -20 | -20 | -22 | -22 | -22 | 11 | 11 | |
| 506 | 89 | 22 | -16 | -20 | -16 | -20 | -20 | -20 | -21 | -21 | -22 | 10 | 10 | |
| 507 | 89 | 42 | -16 | -20 | -16 | -20 | -20 | -20 | -21 | -21 | -22 | 10 | 10 | |
| 508 | 90 | 2 | -16 | -20 | -16 | -20 | -20 | -20 | -20 | -20 | -22 | 10 | 10 | |
| 509 | 90 | 23 | -16 | -20 | -16 | -20 | -20 | -20 | -20 | -20 | -22 | 10 | 10 | |
| 510 | 90 | 43 | -16 | -20 | -16 | -20 | -20 | -20 | -20 | -20 | -22 | 9 | 9 | |
| 511 | 91 | 3 | -16 | -20 | -16 | -20 | -20 | -20 | -20 | -20 | -22 | 8 | 8 | |
| 512 | 91 | 24 | -16 | -20 | -16 | -20 | -20 | -20 | -21 | -21 | -22 | 8 | 8 | |
| 513 | 91 | 44 | -16 | -20 | -16 | -20 | -20 | -20 | -23 | -23 | -22 | 7 | 7 | |
| 514 | 92 | 5 | -16 | -20 | -16 | -20 | -20 | -20 | -22 | -22 | -22 | 7 | 7 | |
| 515 | 92 | 25 | -17 | -21 | -17 | -21 | -21 | -21 | -20 | -20 | -22 | 6 | 6 | |
| 516 | 92 | 46 | -16 | -20 | -16 | -20 | -20 | -20 | -20 | -20 | -22 | 7 | 7 | |

32
-01
SWEEP
COUNT

| 5-02 | 5-03 | 5-25 | 5-26 | 5-27 | 5-28 | 5-29 |
|--------------|--------------|--|---|---|---|--------------------------------|
| TIME MIN. | TIME SEC. | R.ELEC COMPT LEFT AFTAIR TEMP DEG.C | R.ELEC COMPT CENTER AIR TEMP DEG.C | R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C | L.MAIN FUEL CELL 1/SLVL DEG.C | GEN.2 MASS TEMP DEG.C |
| 93 | 6 | -16 | -16 | -19 | -22 | 7 |
| 93 | 30 | -16 | -16 | -18 | -22 | 7 |
| 95 | 47 | -16 | -18 | -18 | -23 | 7 |
| 96 | 8 | -15 | -18 | -18 | -23 | 7 |
| 96 | 28 | -15 | -17 | -19 | -23 | 7 |
| 96 | 49 | -15 | -17 | -19 | -23 | 7 |
| 97 | 9 | -16 | -16 | -20 | -24 | 5 |
| 97 | 30 | -17 | -19 | -20 | -23 | 6 |
| 97 | 51 | -17 | -18 | -20 | -24 | 5 |
| 98 | 11 | -17 | -19 | -20 | -24 | 5 |
| 98 | 32 | -17 | -18 | -24 | -24 | 5 |
| 98 | 52 | -16 | -19 | -20 | -24 | 5 |
| 99 | 13 | -16 | -19 | -20 | -24 | 5 |
| 99 | 34 | -16 | -18 | -20 | -24 | 5 |
| 99 | 54 | -17 | -18 | -19 | -24 | 5 |
| 100 | 15 | -17 | -20 | -23 | -24 | 4 |
| 100 | 35 | -19 | -22 | -26 | -23 | 4 |
| 100 | 55 | -21 | -24 | -26 | -24 | 4 |
| 101 | 10 | -22 | -25 | -29 | -24 | 2 |
| 101 | 37 | -22 | -26 | -30 | -24 | 2 |
| 101 | 57 | -23 | -27 | -30 | -23 | 1 |
| 102 | 18 | -23 | -26 | -29 | -23 | 1 |
| 102 | 38 | -23 | -27 | -29 | -23 | 1 |
| 102 | 59 | -23 | -26 | -28 | -23 | 1 |
| 103 | 19 | -23 | -26 | -29 | -24 | 1 |
| 103 | 40 | -23 | -26 | -30 | -24 | 1 |
| 104 | 0 | -24 | -28 | -30 | -24 | 0 |
| 104 | 21 | -24 | -28 | -30 | -24 | 0 |
| 104 | 41 | -24 | -27 | -30 | -24 | 0 |
| 105 | 2 | -24 | -27 | -30 | -23 | 0 |
| 105 | 22 | -24 | -27 | -28 | -23 | 0 |
| 105 | 43 | -24 | -26 | -28 | -24 | 9 |
| 106 | 3 | -24 | -27 | -29 | -24 | -1 |
| 106 | 24 | -23 | -26 | -28 | -23 | 0 |
| 106 | 44 | -24 | -27 | -30 | -23 | -1 |
| 107 | 5 | -24 | -27 | -28 | -23 | 0 |
| 107 | 25 | -24 | -26 | -29 | -23 | -0 |
| 107 | 45 | -25 | -27 | -29 | -23 | -0 |
| 108 | 6 | -25 | -27 | -29 | -23 | -2 |
| 108 | 26 | -25 | -28 | -30 | -22 | -0 |
| 108 | 47 | -26 | -28 | -30 | -22 | -0 |
| 109 | 7 | -24 | -28 | -30 | -22 | -1 |
| 109 | 28 | -25 | -27 | -30 | -22 | -2 |
| 109 | 48 | -24 | -27 | -29 | -22 | -2 |
| 110 | 9 | -26 | -29 | -31 | -22 | -3 |
| 110 | 29 | -26 | -28 | -30 | -22 | -3 |
| 110 | 50 | -26 | -28 | -30 | -22 | -3 |
| 110 | 10 | -26 | -28 | -30 | -22 | -2 |
| 111 | 31 | -25 | -28 | -30 | -23 | -2 |
| 111 | 51 | -25 | -28 | -28 | -23 | -3 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-25 | | 5-26 | | 5-27 | | 5-28 | | 5-29 | |
|-----------------------|----------------------|----------------------|--|---|--|---|--------------------------------|--|------|--|------|--|
| | | | R-ELEC COMPT LEFT TEMP DEG.C | R-ELEC COMPT CENTER AIR TEMP DEG.C | R-ELEC COMPT RIGHT FWD AIR TEMP DEG.C | L-MAIN FUEL CELL 1/3LVL TEMP DEG.C | GEN-2 HASS TEMP DEG.C | | | | | |
| 567 | 112 | 12 | -24 | -27 | -29 | -23 | -3 | | | | | |
| 568 | 112 | 32 | -26 | -28 | -30 | -23 | -2 | | | | | |
| 569 | 112 | 53 | -26 | -27 | -30 | -22 | -3 | | | | | |
| 570 | 113 | 13 | -25 | -28 | -31 | -22 | -3 | | | | | |
| 571 | 113 | 33 | -26 | -29 | -31 | -22 | -4 | | | | | |
| 572 | 113 | 54 | -27 | -29 | -31 | -22 | -3 | | | | | |
| 573 | 114 | 14 | -26 | -28 | -30 | -22 | -4 | | | | | |
| 574 | 114 | 34 | -27 | -29 | -31 | -22 | -4 | | | | | |
| 575 | 114 | 55 | -26 | -28 | -30 | -22 | -4 | | | | | |
| 576 | 115 | 15 | -27 | -29 | -31 | -22 | -4 | | | | | |
| 577 | 115 | 35 | -26 | -28 | -29 | -22 | -3 | | | | | |
| 578 | 115 | 56 | -26 | -29 | -30 | -22 | -4 | | | | | |
| 579 | 116 | 16 | -27 | -28 | -30 | -22 | -4 | | | | | |
| 580 | 116 | 37 | -27 | -28 | -30 | -22 | -3 | | | | | |
| 581 | 116 | 57 | -25 | -28 | -29 | -22 | -3 | | | | | |
| 582 | 117 | 17 | -27 | -28 | -30 | -21 | -4 | | | | | |
| 583 | 117 | 38 | -26 | -27 | -29 | -22 | -3 | | | | | |
| 584 | 117 | 59 | -25 | -28 | -30 | -23 | -4 | | | | | |
| 585 | 118 | 18 | -25 | -28 | -29 | -22 | -4 | | | | | |
| 586 | 118 | 39 | -26 | -28 | -30 | -22 | -4 | | | | | |
| 587 | 118 | 59 | -25 | -27 | -29 | -21 | -3 | | | | | |
| 588 | 119 | 19 | -26 | -28 | -30 | -22 | -4 | | | | | |
| 589 | 119 | 40 | -26 | -27 | -29 | -22 | -3 | | | | | |
| 590 | 120 | 20 | -25 | -28 | -29 | -22 | -2 | | | | | |
| 591 | 120 | 41 | -26 | -27 | -29 | -22 | -4 | | | | | |
| 592 | 120 | 61 | -25 | -28 | -29 | -21 | -4 | | | | | |
| 593 | 121 | 21 | - | -29 | -30 | -22 | -5 | | | | | |
| 594 | 121 | 42 | - | -29 | -30 | -22 | -5 | | | | | |
| 595 | 121 | 62 | -26 | -27 | -28 | -22 | -4 | | | | | |
| 596 | 122 | 22 | -26 | -27 | -29 | -22 | -4 | | | | | |
| 597 | 122 | 43 | -27 | -28 | -29 | -22 | -4 | | | | | |
| 598 | 122 | 63 | -26 | -27 | -28 | -22 | -4 | | | | | |
| 599 | 123 | 23 | -26 | -28 | -30 | -22 | -5 | | | | | |
| 600 | 123 | 44 | -25 | -28 | -29 | -21 | -5 | | | | | |
| 601 | 124 | 24 | -25 | -26 | -26 | -21 | -4 | | | | | |
| 602 | 124 | 45 | -24 | -25 | -26 | -21 | -4 | | | | | |
| 603 | 124 | 65 | -24 | -25 | -26 | -21 | -4 | | | | | |
| 604 | 125 | 25 | -23 | -24 | -24 | -21 | -4 | | | | | |
| 605 | 125 | 46 | -21 | -22 | -22 | -21 | -2 | | | | | |
| 606 | 125 | 66 | -20 | -22 | -22 | -21 | -1 | | | | | |
| 607 | 126 | 26 | -20 | -22 | -21 | -22 | -2 | | | | | |
| 608 | 126 | 47 | -20 | -21 | -20 | -21 | -1 | | | | | |
| 609 | 126 | 67 | -21 | -22 | -22 | -22 | -1 | | | | | |
| 610 | 127 | 27 | -19 | -21 | -21 | -22 | -0 | | | | | |
| 611 | 127 | 48 | -19 | -20 | -20 | -22 | -0 | | | | | |
| 612 | 127 | 68 | -19 | -20 | -20 | -22 | -1 | | | | | |
| 613 | 128 | 28 | -18 | -19 | -20 | -23 | 0 | | | | | |
| 614 | 128 | 49 | -18 | -19 | -20 | -21 | 0 | | | | | |
| 615 | 128 | 69 | -18 | -19 | -20 | -22 | 0 | | | | | |
| 616 | 129 | 10 | -18 | -19 | -20 | -22 | 1 | | | | | |

31
SWEEP
COUNT

| 5-31 SWEEP COUNT | 5-02 TIME MIN. | 5-33 TIME SEC. | 5-25 R.FLEC COMPT LEFT AFFAIR TEMP DEG.C | 5-26 R.FLEC COMPT CENTER AIR TEMP DEG.C | 5-27 R.FLEC COMPT RIGHT FMDAIR TEMP DEG.C | 5-28 L.MAIN FUEL CELL 173LVL TEMP DEG.C | 5-29 GEN.2 MASS TEMP DEG.C |
|------------------------|----------------------|----------------------|--|---|---|---|--|
| 617 | 129 | 30 | -18 | -21 | -21 | -22 | 0 |
| 618 | 129 | 50 | -19 | -19 | -21 | -22 | 0 |
| 619 | 130 | 10 | -18 | -19 | -20 | -22 | 1 |
| 620 | 130 | 30 | -19 | -20 | -22 | -21 | 1 |
| 621 | 130 | 51 | -20 | -22 | -23 | -22 | 1 |
| 622 | 131 | 11 | -18 | -22 | -24 | -22 | 1 |
| 623 | 131 | 31 | -17 | -22 | -23 | -23 | 1 |
| 624 | 131 | 52 | -17 | -20 | -23 | -22 | 2 |
| 625 | 132 | 12 | -17 | -21 | -22 | -21 | 3 |
| 626 | 132 | 32 | -16 | -20 | -21 | -22 | 4 |
| 627 | 132 | 53 | -16 | -20 | -20 | -22 | 4 |
| 628 | 133 | 13 | -15 | -19 | -19 | -22 | 4 |
| 629 | 133 | 33 | -15 | -19 | -19 | -21 | 4 |
| 630 | 133 | 54 | -16 | -19 | -19 | -22 | 5 |
| 631 | 134 | 14 | -15 | -19 | -18 | -21 | 7 |
| 632 | 134 | 34 | -16 | -20 | -20 | -21 | 6 |
| 633 | 134 | 55 | -15 | -19 | -20 | -21 | 7 |
| 634 | 135 | 15 | -14 | -18 | -20 | -20 | 8 |
| 635 | 135 | 35 | -15 | -18 | -21 | -21 | 7 |
| 636 | 135 | 56 | -14 | -18 | -21 | -21 | 7 |
| 637 | 136 | 16 | -16 | -19 | -23 | -22 | 6 |
| 638 | 136 | 37 | -13 | -20 | -23 | -22 | 7 |
| 639 | 136 | 57 | -18 | -24 | -27 | -20 | 6 |
| 640 | 137 | 17 | -19 | -24 | -29 | -21 | 5 |
| 641 | 137 | 37 | -20 | -26 | -29 | -22 | 6 |
| 642 | 137 | 58 | -20 | -27 | -31 | -21 | 4 |
| 643 | 138 | 18 | -21 | -24 | -26 | -28 | 4 |
| 644 | 138 | 39 | -21 | -21 | -22 | -22 | 4 |
| 645 | 138 | 59 | -19 | -20 | -21 | -21 | 4 |
| 646 | 139 | 19 | -20 | -20 | -20 | -22 | 4 |
| 647 | 139 | 39 | -19 | -19 | -20 | -22 | 4 |
| 648 | 139 | 59 | -19 | -22 | -23 | -22 | 5 |
| 649 | 140 | 20 | -19 | -24 | -24 | -22 | 4 |
| 650 | 140 | 40 | -18 | -22 | -25 | -23 | 4 |
| 651 | 141 | 0 | -16 | -20 | -24 | -21 | 4 |
| 652 | 141 | 20 | -17 | -19 | -24 | -22 | 5 |
| 653 | 141 | 40 | -14 | -16 | -22 | -20 | 6 |
| 654 | 142 | 0 | -16 | -19 | -23 | -21 | 6 |
| 655 | 142 | 21 | -14 | -19 | -23 | -21 | 7 |
| 656 | 142 | 41 | -14 | -18 | -21 | -22 | 7 |
| 657 | 143 | 1 | -16 | -18 | -21 | -21 | 8 |
| 658 | 143 | 21 | -14 | -17 | -22 | -21 | 8 |
| 659 | 143 | 41 | -14 | -18 | -22 | -21 | 8 |
| 660 | 144 | 2 | -15 | -18 | -22 | -22 | 8 |
| 661 | 144 | 22 | -14 | -17 | -22 | -21 | 8 |
| 662 | 144 | 42 | -14 | -16 | -21 | -20 | 9 |
| 663 | 145 | 42 | -15 | -18 | -19 | -21 | 9 |
| 664 | 145 | 22 | -14 | -17 | -20 | -21 | 9 |
| 665 | 145 | 43 | -14 | -17 | -20 | -21 | 9 |
| 666 | 146 | 3 | -14 | -17 | -21 | -22 | 9 |

| -01 SNEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-25 | | 5-26 | | 5-27 | | 5-28 | | 5-29 | |
|-----------------------|----------------------|----------------------|--|--|---|---|--------------------------------|--|------|--|------|--|
| | | | R.ELEC COMPT LEFT AFTAIR TEMP DEG.C | R.ELEC COMPT CENTER TEMP DEG.C | R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C | L.MAIN FUEL CELL 1/3LVL TEMP DEG.C | GEN.2 PASS TEMP DEG.C | | | | | |
| 667 | 146 | 23 | -14 | -16 | -20 | -20 | 9 | | | | | |
| 668 | 146 | 43 | -14 | -16 | -21 | -20 | 9 | | | | | |
| 669 | 147 | 3 | -12 | -16 | -22 | -20 | 9 | | | | | |
| 670 | 147 | 23 | -13 | -18 | -23 | -22 | 9 | | | | | |
| 671 | 147 | 44 | -14 | -16 | -23 | -22 | 9 | | | | | |
| 672 | 148 | 4 | -14 | -16 | -23 | -21 | 9 | | | | | |
| 673 | 148 | 24 | -14 | -18 | -24 | -21 | 9 | | | | | |
| 674 | 148 | 44 | -14 | -18 | -23 | -21 | 9 | | | | | |
| 675 | 149 | 4 | -14 | -17 | -22 | -21 | 9 | | | | | |
| 676 | 149 | 25 | -14 | -16 | -21 | -20 | 9 | | | | | |
| 677 | 149 | 45 | -14 | -16 | -21 | -21 | 9 | | | | | |
| 678 | 150 | 5 | -14 | -16 | -21 | -21 | 9 | | | | | |
| 679 | 150 | 25 | -12 | -16 | -21 | -20 | 9 | | | | | |
| 680 | 150 | 46 | -11 | -17 | -21 | -21 | 9 | | | | | |
| 681 | 151 | 6 | -11 | -18 | -20 | -21 | 9 | | | | | |
| 682 | 151 | 26 | -10 | -18 | -19 | -21 | 9 | | | | | |
| 683 | 151 | 46 | -8 | -18 | -19 | -20 | 10 | | | | | |
| 684 | 152 | 7 | -7 | -18 | -19 | -21 | 10 | | | | | |
| 685 | 152 | 27 | -6 | -17 | -18 | -22 | 9 | | | | | |
| 686 | 152 | 47 | -4 | -18 | -19 | -21 | 10 | | | | | |
| 687 | 153 | 7 | -5 | -17 | -19 | -21 | 10 | | | | | |
| 688 | 153 | 23 | -4 | -16 | -18 | -20 | 9 | | | | | |
| 689 | 153 | 48 | -3 | -17 | -18 | -21 | 9 | | | | | |
| 690 | 154 | 8 | -2 | -17 | -18 | -20 | 9 | | | | | |
| 691 | 154 | 23 | -2 | -17 | -18 | -20 | 9 | | | | | |
| 692 | 154 | 48 | 3 | -17 | -16 | -20 | 9 | | | | | |
| 693 | 155 | 9 | -1 | -17 | -18 | -21 | 10 | | | | | |
| 694 | 155 | 29 | -1 | -17 | -19 | -21 | 9 | | | | | |
| 695 | 155 | 49 | -0 | -16 | -18 | -20 | 10 | | | | | |
| 696 | 156 | 10 | -0 | -17 | -19 | -21 | 9 | | | | | |
| 697 | 156 | 30 | -0 | -17 | -18 | -21 | 9 | | | | | |
| 698 | 156 | 51 | -0 | -16 | -18 | -21 | 10 | | | | | |
| 699 | 157 | 11 | -2 | -16 | -20 | -21 | 9 | | | | | |
| 700 | 157 | 51 | -1 | -17 | -20 | -22 | 9 | | | | | |
| 701 | 158 | 11 | -2 | -16 | -20 | -22 | 9 | | | | | |
| 702 | 158 | 31 | -2 | -17 | -21 | -22 | 9 | | | | | |
| 703 | 158 | 51 | -2 | -19 | -22 | -22 | 9 | | | | | |

HH-53C S/N 68-10354
ARCTIC TEST
15 JANUARY 1971
RUN NO. 3

-40 DEG C / -40 DEG F

| SWEAP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-07 ENG-1 BOOST PUMP OUTLET TEMP DEG.C | 6-08 ENG-1 BLEED AIR TEMP DEG.C | 6-09 ENG-1 LORD ISOL. MNT AFT IM DEG.C | 6-10 ENG-1 LORD ISOL. MNT AFTOUT DEG.C | 6-11 ENG-2 LORD ISOL. MNT AFT IN DEG.C | 6-12 ENG-2 LORD ISOL. MNT AFTOUT DEG.C | 6-13 ENG-1 INLET LIP SURF. 12.00 DEG.C | 6-15 ENG-1 INLET LIP SURF. 2.00 DEG.C | 6-18 ENG-1 INLET LIP SURF. 4.00 DEG.C | 6-19 ENG-1 INLET LIP SURF. 5.00 DEG.C |
|----------------|----------------------|----------------------|---|--|--|--|--|--|--|---|---|---|
| 272 | 11 | 40 | -36 | -34 | -34 | -35 | -33 | -34 | -36 | -36 | -35 | -35 |
| 273 | 11 | 59 | -36 | -34 | -35 | -35 | -33 | -34 | -36 | -36 | -36 | -35 |
| 274 | 12 | 19 | -36 | -35 | -35 | -34 | -33 | -34 | -36 | -36 | -36 | -35 |
| 275 | 12 | 37 | * | * | * | * | * | * | * | * | * | * |
| 276 | 12 | 57 | -36 | -34 | -34 | -34 | -33 | -35 | -36 | -36 | -35 | -35 |
| 277 | 13 | 16 | -36 | -35 | -34 | -35 | -33 | -34 | -36 | -36 | -36 | -36 |
| 278 | 13 | 36 | -36 | -35 | -34 | -34 | -33 | -34 | -36 | -36 | -35 | -35 |
| 279 | 13 | 55 | -36 | -34 | -34 | -35 | -32 | -34 | -35 | -35 | -35 | -35 |
| 280 | 14 | 15 | -36 | -35 | -34 | -34 | -33 | -34 | -35 | -36 | -35 | -35 |
| 281 | 14 | 34 | -36 | -34 | -34 | -34 | -33 | -34 | -36 | -36 | -35 | -35 |
| 282 | 14 | 54 | -36 | -35 | -34 | -34 | -33 | -34 | -36 | -36 | -35 | -35 |
| 283 | 15 | 13 | -36 | -35 | -34 | -34 | -33 | -34 | -36 | -36 | -35 | -35 |
| 284 | 15 | 33 | -36 | -35 | -34 | -34 | -33 | -34 | -36 | -36 | -36 | -35 |
| 285 | 15 | 52 | -36 | -34 | -34 | -34 | -33 | -34 | -36 | -36 | -35 | -35 |
| 286 | 16 | 12 | -36 | -35 | -34 | -34 | -33 | -34 | -36 | -36 | -35 | -35 |
| 287 | 16 | 31 | -36 | -35 | -34 | -35 | -33 | -34 | -36 | -36 | -36 | -35 |
| 288 | 16 | 51 | -36 | -35 | -34 | -35 | -33 | -34 | -36 | -36 | -36 | -35 |
| 289 | 17 | 10 | -36 | -35 | -34 | -34 | -33 | -34 | -36 | -36 | -36 | -35 |
| 290 | 17 | 29 | -36 | -34 | -34 | -34 | -32 | -34 | -36 | -36 | -35 | -35 |
| 291 | 17 | 49 | -35 | -34 | -34 | -34 | -32 | -33 | -35 | -35 | -34 | -34 |
| 292 | 18 | 8 | -35 | -34 | -33 | -33 | -31 | -32 | -34 | -34 | -34 | -33 |
| 293 | 18 | 27 | -34 | -34 | -32 | -32 | -31 | -32 | -34 | -34 | -34 | -33 |
| 294 | 18 | 47 | -34 | -33 | -32 | -32 | -31 | -32 | -33 | -33 | -33 | -32 |
| 295 | 19 | 6 | -33 | -32 | -32 | -32 | -30 | -32 | -33 | -33 | -33 | -32 |
| 296 | 19 | 26 | -33 | -32 | -32 | -32 | -30 | -31 | -33 | -33 | -33 | -32 |
| 297 | 19 | 45 | -33 | -32 | -32 | -32 | -30 | -31 | -33 | -33 | -32 | -32 |
| 298 | 20 | 4 | -33 | -32 | -31 | -31 | -30 | -31 | -32 | -32 | -32 | -32 |
| 299 | 20 | 24 | -33 | -32 | -31 | -31 | -30 | -31 | -32 | -32 | -32 | -32 |
| 300 | 20 | 43 | -32 | -31 | -31 | -31 | -29 | -31 | -32 | -32 | -32 | -32 |
| 301 | 21 | 3 | -32 | -31 | -31 | -31 | -29 | -30 | -32 | -32 | -32 | -32 |
| 302 | 21 | 22 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -32 | -32 |
| 303 | 21 | 41 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -32 | -32 |
| 304 | 22 | 1 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -32 | -32 |
| 305 | 22 | 20 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -32 | -32 |
| 306 | 22 | 40 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -32 | -32 |
| 307 | 22 | 59 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -32 | -32 |
| 308 | 23 | 19 | -32 | -30 | -30 | -30 | -28 | -30 | -32 | -32 | -32 | -32 |
| 309 | 23 | 38 | -32 | -30 | -30 | -30 | -26 | -30 | -32 | -32 | -32 | -32 |
| 310 | 23 | 57 | -32 | -31 | -30 | -31 | -29 | -30 | -32 | -32 | -32 | -32 |
| 311 | 24 | 17 | -32 | -31 | -30 | -31 | -29 | -30 | -32 | -32 | -32 | -32 |
| 312 | 24 | 36 | -32 | -31 | -30 | -31 | -29 | -30 | -32 | -32 | -32 | -32 |
| 313 | 24 | 56 | -32 | -30 | -30 | -30 | -28 | -30 | -32 | -32 | -32 | -32 |
| 314 | 25 | 15 | -32 | -31 | -30 | -31 | -29 | -30 | -32 | -32 | -32 | -32 |
| 315 | 25 | 35 | -32 | -31 | -30 | -31 | -29 | -30 | -32 | -32 | -32 | -32 |
| 316 | 25 | 54 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -32 | -32 |

| -01 SHEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C | 5-08 ENG.1 BLEED AIR TEMP DEG.C | 6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C | 6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C | 6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C | 6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C | 6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C | 6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C | 6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C | 6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C |
|-----------------------|----------------------|----------------------|---|--|--|--|--|--|--|---|---|---|
| 317 | 26 | 14 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -31 | -32 |
| 318 | 26 | 34 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -31 | -32 |
| 319 | 26 | 53 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -31 | -32 |
| 320 | 27 | 13 | -32 | -31 | -30 | -30 | -28 | -30 | -32 | -32 | -31 | -32 |
| 321 | 27 | 32 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -31 | -32 |
| 322 | 27 | 52 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -31 | -32 |
| 323 | 28 | 11 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -31 | -32 |
| 324 | 28 | 31 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -31 | -32 |
| 325 | 28 | 51 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -31 | -32 |
| 326 | 29 | 10 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -31 | -32 |
| 327 | 29 | 30 | -32 | -31 | -30 | -30 | -29 | -30 | -32 | -32 | -31 | -32 |
| 328 | 29 | 50 | -32 | -32 | -31 | -31 | -29 | -30 | -32 | -32 | -31 | -32 |
| 329 | 30 | 9 | -32 | -32 | -31 | -31 | -28 | -30 | -32 | -32 | -31 | -32 |
| 330 | 30 | 29 | -32 | -32 | -30 | -30 | -29 | -30 | -32 | -32 | -31 | -32 |
| 331 | 30 | 49 | -33 | -31 | -31 | -31 | -29 | -30 | -32 | -32 | -31 | -32 |
| 332 | 31 | 8 | -32 | -32 | -31 | -31 | -29 | -30 | -32 | -32 | -31 | -32 |
| 333 | 31 | 28 | -32 | -32 | -31 | -31 | -29 | -30 | -32 | -32 | -31 | -32 |
| 334 | 31 | 48 | -33 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 335 | 32 | 8 | -33 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 336 | 32 | 28 | -33 | -32 | -31 | -31 | -29 | -30 | -32 | -32 | -31 | -32 |
| 337 | 32 | 47 | -33 | -32 | -31 | -31 | -29 | -30 | -32 | -32 | -31 | -32 |
| 338 | 33 | 7 | -32 | -32 | -31 | -31 | -29 | -30 | -32 | -32 | -31 | -32 |
| 339 | 33 | 27 | -33 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 340 | 33 | 47 | -33 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 341 | 34 | 7 | -33 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 342 | 34 | 26 | -33 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 343 | 34 | 46 | -33 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 344 | 35 | 6 | -33 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 345 | 35 | 26 | -33 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 346 | 35 | 46 | -33 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 347 | 36 | 6 | -33 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 348 | 36 | 26 | -33 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 349 | 36 | 45 | -34 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 350 | 37 | 5 | -34 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 351 | 37 | 25 | -34 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 352 | 37 | 45 | -34 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 353 | 38 | 5 | -34 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 354 | 38 | 25 | -34 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 355 | 38 | 45 | -34 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 356 | 39 | 5 | -34 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 357 | 39 | 25 | -34 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 358 | 39 | 45 | -34 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 359 | 40 | 5 | -34 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 360 | 40 | 25 | -34 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 361 | 40 | 45 | -34 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 362 | 41 | 5 | -34 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 363 | 41 | 25 | -34 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 364 | 41 | 45 | -34 | -32 | -31 | -31 | -30 | -30 | -32 | -32 | -31 | -32 |
| 365 | 42 | 5 | -35 | -34 | -33 | -33 | -32 | -32 | -34 | -34 | -33 | -34 |
| 366 | 42 | 25 | -35 | -34 | -33 | -33 | -32 | -32 | -34 | -34 | -33 | -34 |

| SWEEP COUNT | 5-02 TIME -In. | 5-33 TIME SEC. | 6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C | 6-08 ENG.1 BLEED AIR TEMP DEG.C | 6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C | 6-10 ENG.1 LORD ISOL. MNT AFT IN DEG.C | 6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C | 6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C | 6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C | 6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C | 6-16 ENG.1 INLET LIP SURF. 4.00 DEG.C | 6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C |
|----------------|----------------------|----------------------|---|--|--|--|--|--|--|---|---|---|
| 367 | 42 | 45 | -35 | -34 | -34 | -34 | -32 | -33 | -35 | -35 | -35 | -35 |
| 368 | 43 | 5 | -36 | -34 | -34 | -34 | -32 | -34 | -35 | -34 | -34 | -34 |
| 369 | 43 | 25 | -35 | -34 | -34 | -34 | -32 | -34 | -35 | -35 | -35 | -35 |
| 370 | 44 | 45 | -36 | -34 | -34 | -34 | -32 | -34 | -36 | -36 | -36 | -36 |
| 371 | 44 | 5 | -36 | -34 | -34 | -34 | -32 | -34 | -36 | -36 | -36 | -36 |
| 372 | 44 | 25 | -36 | -34 | -34 | -34 | -32 | -34 | -35 | -35 | -35 | -35 |
| 373 | 44 | 45 | -36 | -34 | -34 | -34 | -32 | -34 | -35 | -35 | -35 | -35 |
| 374 | 45 | 5 | -36 | -34 | -34 | -34 | -32 | -34 | -35 | -35 | -35 | -35 |
| 375 | 45 | 25 | -36 | -34 | -34 | -34 | -32 | -34 | -35 | -35 | -35 | -35 |
| 376 | 45 | 45 | -36 | -34 | -34 | -34 | -32 | -34 | -36 | -36 | -36 | -36 |
| 377 | 46 | 5 | -36 | -34 | -34 | -34 | -32 | -34 | -35 | -35 | -35 | -35 |
| 378 | 46 | 25 | -36 | -34 | -34 | -34 | -32 | -34 | -35 | -35 | -35 | -35 |
| 379 | 46 | 45 | -36 | -34 | -34 | -34 | -32 | -34 | -35 | -35 | -35 | -35 |
| 380 | 47 | 5 | -36 | -34 | -34 | -34 | -32 | -34 | -34 | -34 | -34 | -34 |
| 381 | 47 | 25 | -36 | -34 | -34 | -34 | -32 | -34 | -34 | -34 | -34 | -34 |
| 382 | 47 | 45 | -36 | -34 | -34 | -34 | -32 | -34 | -34 | -34 | -34 | -34 |
| 383 | 48 | 5 | -36 | -34 | -34 | -34 | -32 | -34 | -34 | -34 | -34 | -34 |
| 384 | 48 | 25 | -36 | -34 | -34 | -34 | -32 | -34 | -35 | -35 | -35 | -35 |
| 385 | 48 | 46 | -36 | -34 | -34 | -34 | -32 | -34 | -35 | -35 | -35 | -35 |
| 386 | 49 | 6 | -36 | -34 | -34 | -34 | -32 | -34 | -35 | -35 | -35 | -35 |
| 387 | 49 | 26 | -36 | -34 | -34 | -34 | -32 | -34 | -35 | -35 | -35 | -35 |
| 388 | 49 | 46 | -36 | -34 | -34 | -34 | -32 | -34 | -35 | -35 | -35 | -35 |
| 389 | 50 | 6 | -36 | -34 | -34 | -34 | -32 | -34 | -35 | -35 | -35 | -35 |
| 390 | 50 | 26 | -36 | -34 | -34 | -34 | -32 | -34 | -35 | -35 | -35 | -35 |
| 391 | 50 | 46 | -36 | -34 | -34 | -34 | -32 | -34 | -35 | -35 | -35 | -35 |
| 392 | 51 | 6 | -36 | -34 | -34 | -34 | -32 | -34 | -36 | -36 | -36 | -36 |
| 393 | 51 | 27 | -36 | -34 | -34 | -34 | -32 | -34 | 6 | 6 | 6 | 6 |
| 394 | 51 | 47 | -36 | -34 | -34 | -34 | -32 | -34 | 39 | 39 | 39 | 39 |
| 395 | 52 | 7 | -35 | -34 | -34 | -34 | -32 | -34 | 41 | 41 | 41 | 41 |
| 396 | 52 | 27 | -36 | -34 | -34 | -34 | -32 | -34 | 38 | 38 | 38 | 38 |
| 397 | 52 | 47 | -36 | -34 | -34 | -34 | -32 | -34 | 32 | 32 | 32 | 32 |
| 398 | 53 | 7 | -36 | -34 | -34 | -34 | -32 | -34 | 30 | 30 | 30 | 30 |
| 399 | 53 | 27 | -36 | -34 | -34 | -34 | -32 | -34 | 26 | 26 | 26 | 26 |
| 400 | 53 | 47 | -36 | -34 | -34 | -34 | -32 | -34 | 19 | 19 | 19 | 19 |
| 401 | 54 | 8 | -36 | -34 | -34 | -34 | -32 | -34 | 28 | 28 | 28 | 28 |
| 402 | 54 | 28 | -36 | -34 | -34 | -34 | -32 | -34 | 15 | 15 | 15 | 15 |
| 403 | 54 | 48 | -36 | -34 | -34 | -34 | -32 | -34 | 10 | 10 | 10 | 10 |
| 404 | 55 | 8 | -36 | -34 | -34 | -34 | -32 | -34 | 11 | 11 | 11 | 11 |
| 405 | 55 | 28 | -36 | -34 | -34 | -34 | -32 | -34 | 7 | 7 | 7 | 7 |
| 406 | 55 | 48 | -36 | -34 | -34 | -34 | -32 | -34 | 4 | 4 | 4 | 4 |
| 407 | 56 | 8 | -36 | -34 | -34 | -34 | -32 | -34 | 1 | 1 | 1 | 1 |
| 408 | 56 | 29 | -36 | -34 | -34 | -34 | -32 | -34 | -1 | -1 | -1 | -1 |
| 409 | 56 | 49 | -36 | -34 | -34 | -34 | -32 | -34 | -4 | -4 | -4 | -4 |
| 410 | 57 | 9 | -36 | -34 | -34 | -34 | -32 | -34 | -7 | -7 | -7 | -7 |
| 411 | 57 | 29 | -36 | -34 | -34 | -34 | -32 | -34 | -18 | -18 | -18 | -18 |
| 412 | 57 | 49 | -36 | -34 | -34 | -34 | -32 | -34 | -12 | -12 | -12 | -12 |
| 413 | 58 | 9 | -36 | -34 | -34 | -34 | -32 | -34 | -9 | -9 | -9 | -9 |
| 414 | 58 | 29 | -36 | -34 | -34 | -34 | -32 | -34 | -15 | -15 | -15 | -15 |
| 415 | 58 | 49 | -36 | -34 | -34 | -34 | -32 | -34 | -17 | -17 | -17 | -17 |
| 416 | 59 | 9 | -36 | -34 | -34 | -34 | -32 | -34 | -20 | -20 | -20 | -20 |
| 417 | 59 | 29 | -36 | -34 | -34 | -34 | -32 | -34 | -21 | -21 | -21 | -21 |
| 418 | 59 | 49 | -36 | -34 | -34 | -34 | -32 | -34 | -24 | -24 | -24 | -24 |
| 419 | 59 | 9 | -36 | -34 | -34 | -34 | -32 | -34 | -25 | -25 | -25 | -25 |
| 420 | 59 | 29 | -36 | -34 | -34 | -34 | -32 | -34 | -27 | -27 | -27 | -27 |
| 421 | 59 | 49 | -36 | -34 | -34 | -34 | -32 | -34 | -28 | -28 | -28 | -28 |

| -01 SWEEP COUNT | 6-12 TIME MIN. | 6-03 TIME SEC. | 6-07 | | 6-08 | | 6-09 | | 6-10 | | 6-11 | | 6-12 | | 6-13 | | 6-15 | | 6-18 | | 6-19 | |
|-----------------------|----------------------|----------------------|---|--|--|--|--|--|--|--|---|---|--|--|---|---|--|---|---|---|------|--|
| | | | ENG.1 BOOST PUMP OUTLET TEMP DEG.C | ENG.1 BLEED AIR TEMP DEG.C | ENG.1 LORD ISOL. MNT AFT IN DEG.C | ENG.1 LORD ISOL. MNT AFTOUT DEG.C | ENG.1 LORD ISOL. MNT AFTOUT DEG.C | ENG.1 LORD ISOL. MNT AFT IN DEG.C | ENG.2 LORD ISOL. MNT AFT IN DEG.C | ENG.2 LORD ISOL. MNT AFTOUT DEG.C | ENG.1 INLET LIP SURF. 2.00 DEG.C | ENG.1 INLET LIP SURF. 4.00 DEG.C | ENG.1 INLET LIP SURF. 12.00 DEG.C | ENG.1 INLET LIP SURF. 12.00 DEG.C | ENG.1 INLET LIP SURF. 2.00 DEG.C | ENG.1 INLET LIP SURF. 4.00 DEG.C | ENG.1 INLET LIP SURF. 12.00 DEG.C | ENG.1 INLET LIP SURF. 2.00 DEG.C | ENG.1 INLET LIP SURF. 4.00 DEG.C | ENG.1 INLET LIP SURF. 5.00 DEG.C | | |
| 417 | 59 | 29 | -36 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -30 | -32 | -26 | -28 | -29 | -27 | -29 | -28 | -29 | -27 | | |
| 418 | 59 | 49 | -36 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -30 | -31 | -28 | -28 | -30 | -28 | -30 | -28 | -30 | -28 | | |
| 419 | 60 | 9 | -36 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -29 | -30 | -31 | -30 | -31 | -31 | -31 | -31 | -31 | -31 | | |
| 420 | 60 | 29 | -36 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -29 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | | |
| 421 | 60 | 50 | -35 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | | |
| 422 | 61 | 10 | -36 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -28 | -27 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | | |
| 423 | 61 | 30 | -36 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -28 | -27 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | | |
| 424 | 61 | 50 | -35 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -28 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | | |
| 425 | 62 | 10 | -34 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -27 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | | |
| 426 | 62 | 30 | -21 | -34 | -33 | -33 | -33 | -33 | -33 | -33 | -26 | -25 | -25 | -25 | -25 | -25 | -25 | -25 | -25 | -25 | | |
| 427 | 62 | 50 | -11 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -26 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | | |
| 428 | 63 | 10 | -12 | -33 | -32 | -32 | -32 | -32 | -32 | -32 | -26 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | | |
| 429 | 63 | 31 | -15 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -25 | -22 | -22 | -22 | -22 | -22 | -22 | -22 | -22 | -22 | | |
| 430 | 63 | 51 | -18 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -25 | -22 | -22 | -22 | -22 | -22 | -22 | -22 | -22 | -22 | | |
| 431 | 64 | 11 | -20 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -26 | -22 | -22 | -22 | -22 | -22 | -22 | -22 | -22 | -22 | | |
| 432 | 64 | 31 | -22 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -25 | -22 | -22 | -22 | -22 | -22 | -22 | -22 | -22 | -22 | | |
| 433 | 64 | 51 | -23 | -31 | -31 | -31 | -31 | -31 | -31 | -31 | -25 | -21 | -21 | -21 | -21 | -21 | -21 | -21 | -21 | -21 | | |
| 434 | 65 | 11 | -25 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -25 | -21 | -21 | -21 | -21 | -21 | -21 | -21 | -21 | -21 | | |
| 435 | 65 | 31 | -26 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -24 | -21 | -21 | -21 | -21 | -21 | -21 | -21 | -21 | -21 | | |
| 436 | 65 | 51 | -26 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -24 | -21 | -21 | -21 | -21 | -21 | -21 | -21 | -21 | -21 | | |
| 437 | 66 | 11 | -26 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -23 | -20 | -20 | -20 | -20 | -20 | -20 | -20 | -20 | -20 | | |
| 438 | 66 | 31 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -23 | -20 | -20 | -20 | -20 | -20 | -20 | -20 | -20 | -20 | | |
| 439 | 66 | 51 | -26 | -25 | -25 | -25 | -25 | -25 | -25 | -25 | -23 | -20 | -20 | -20 | -20 | -20 | -20 | -20 | -20 | -20 | | |
| 440 | 67 | 11 | -26 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | -20 | -17 | -17 | -17 | -17 | -17 | -17 | -17 | -17 | | |
| 441 | 67 | 31 | -26 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -19 | -14 | -14 | -14 | -14 | -14 | -14 | -14 | -14 | | |
| 442 | 67 | 51 | -26 | -22 | -22 | -22 | -22 | -22 | -22 | -22 | -22 | -19 | -14 | -14 | -14 | -14 | -14 | -14 | -14 | -14 | | |
| 443 | 68 | 11 | -26 | -20 | -20 | -20 | -20 | -20 | -20 | -20 | -22 | -18 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | | |
| 444 | 68 | 31 | -26 | -19 | -19 | -19 | -19 | -19 | -19 | -19 | -22 | -18 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | | |
| 445 | 68 | 51 | -26 | -18 | -18 | -18 | -18 | -18 | -18 | -18 | -22 | -17 | -12 | -12 | -12 | -12 | -12 | -12 | -12 | -12 | | |
| 446 | 69 | 11 | -26 | -17 | -17 | -17 | -17 | -17 | -17 | -17 | -22 | -16 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | | |
| 447 | 69 | 31 | -25 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -22 | -15 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | | |
| 448 | 69 | 52 | -25 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -22 | -14 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | | |
| 449 | 70 | 12 | -25 | -12 | -12 | -12 | -12 | -12 | -12 | -12 | -22 | -13 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | | |
| 450 | 70 | 32 | -25 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -22 | -12 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | | |
| 451 | 70 | 52 | -25 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -22 | -11 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | | |
| 452 | 71 | 12 | -25 | -8 | -8 | -8 | -8 | -8 | -8 | -8 | -22 | -10 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | | |
| 453 | 71 | 32 | -25 | -7 | -7 | -7 | -7 | -7 | -7 | -7 | -22 | -9 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | | |
| 454 | 71 | 52 | -25 | -6 | -6 | -6 | -6 | -6 | -6 | -6 | -22 | -8 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | | |
| 455 | 72 | 12 | -25 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -22 | -6 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | |
| 456 | 72 | 32 | -25 | -4 | -4 | -4 | -4 | -4 | -4 | -4 | -22 | -5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 457 | 72 | 52 | -25 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -22 | -5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 458 | 73 | 13 | -24 | -3 | -3 | -3 | -3 | -3 | -3 | -3 | -22 | -4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 459 | 73 | 33 | -25 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -22 | -3 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | |
| 460 | 73 | 53 | -25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -22 | -2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | |
| 461 | 74 | 13 | -24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -22 | -2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | |
| 462 | 74 | 33 | -25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -22 | -2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | |
| 463 | 74 | 53 | -25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -22 | -2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | |
| 464 | 75 | 14 | -24 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -22 | -2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | |
| 465 | 75 | 34 | -24 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -22 | -2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | |
| 466 | 75 | 54 | -24 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | -22 | -2 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | |

| -01 SWEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-07 ENG.1 PUMP OUTLET TEMP DEG.C | 6-08 ENG.1 BLEED ATR TEMP DEG.C | 6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C | 6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C | 6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C | 6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C | 6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C | 6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C | 6-16 ENG.1 INLET LIP SURF. 4.00 DEG.C | 6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C |
|-----------------------|----------------------|----------------------|--|--|--|--|--|--|--|---|---|---|
| 407 | 76 | 14 | -24 | 2 | -26 | -24 | -20 | -14 | 17 | 24 | 46 | 43 |
| 468 | 76 | 34 | -24 | 4 | -26 | -24 | -20 | -14 | 18 | 25 | 49 | 50 |
| 469 | 76 | 34 | -24 | 4 | -26 | -24 | -20 | -13 | 14 | 19 | 46 | 47 |
| 470 | 77 | 15 | -24 | 4 | -26 | -23 | -20 | -13 | 15 | 23 | 49 | 54 |
| 471 | 77 | 35 | -24 | 4 | -24 | -23 | -20 | -13 | 19 | 23 | 51 | 52 |
| 472 | 77 | 55 | -24 | 4 | -25 | -23 | -20 | -13 | 12 | 25 | 50 | 52 |
| 473 | 78 | 4 | -24 | 4 | -27 | -28 | -24 | -17 | 4 | 19 | 48 | 47 |
| 474 | 78 | 35 | -24 | 5 | -24 | -23 | -20 | -14 | 4 | 23 | 51 | 51 |
| 475 | 78 | 56 | -24 | 5 | -25 | -24 | -21 | -14 | 9 | 20 | 48 | 46 |
| 476 | 79 | 16 | -24 | 5 | -25 | -23 | -21 | -14 | 15 | 26 | 51 | 51 |
| 477 | 79 | 36 | -24 | 6 | -24 | -23 | -20 | -14 | 14 | 28 | 54 | 53 |
| 478 | 79 | 56 | -22 | 6 | -23 | -20 | -21 | -14 | 15 | 28 | 45 | 51 |
| 479 | 80 | 60 | -23 | 6 | -23 | -22 | -21 | -14 | 23 | 23 | 22 | 48 |
| 480 | 80 | 37 | -23 | 6 | -23 | -22 | -21 | -14 | 16 | 29 | 28 | 49 |
| 481 | 80 | 57 | -23 | 7 | -23 | -28 | -20 | -14 | 13 | 26 | 29 | 46 |
| 482 | 81 | 17 | -23 | 7 | -23 | -20 | -20 | -13 | 22 | 33 | 50 | 52 |
| 483 | 81 | 38 | -24 | 7 | -22 | -21 | -20 | -13 | 6 | 22 | 44 | 47 |
| 484 | 81 | 58 | -24 | 7 | -22 | -22 | -20 | -13 | 16 | 28 | 44 | 41 |
| 485 | 82 | 18 | -24 | 7 | -22 | -22 | -20 | -13 | 26 | 35 | 47 | 46 |
| 486 | 82 | 39 | -24 | 8 | -22 | -22 | -20 | -12 | 9 | 19 | 48 | 42 |
| 487 | 82 | 59 | -24 | 7 | -22 | -21 | -18 | -18 | 23 | 17 | 39 | 39 |
| 488 | 83 | 19 | -24 | 8 | -22 | -20 | -16 | -6 | 31 | 19 | 39 | 48 |
| 489 | 83 | 40 | -24 | 8 | -21 | -19 | -14 | -6 | 34 | 19 | 41 | 45 |
| 490 | 84 | 0 | -22 | 8 | -21 | -20 | -13 | -4 | 28 | 14 | 35 | 41 |
| 491 | 84 | 20 | -22 | 8 | -21 | -19 | -12 | -4 | 32 | 17 | 39 | 46 |
| 492 | 84 | 40 | -23 | 9 | -20 | -19 | -11 | -4 | 37 | 18 | 42 | 48 |
| 493 | 85 | 0 | -23 | 9 | -20 | -18 | -11 | -3 | 38 | 18 | 48 | 48 |
| 494 | 85 | 21 | -23 | 8 | -20 | -18 | -10 | -1 | 31 | 14 | 35 | 43 |
| 495 | 85 | 41 | -23 | 9 | -20 | -18 | -9 | 0 | 33 | 15 | 37 | 46 |
| 496 | 86 | 1 | -22 | 9 | -19 | -17 | -8 | 0 | 36 | 16 | 48 | 48 |
| 497 | 86 | 21 | -22 | 9 | -19 | -16 | -8 | 2 | 29 | 12 | 33 | 39 |
| 498 | 86 | 42 | -23 | 9 | -20 | -17 | -7 | 3 | 30 | 12 | 34 | 41 |
| 499 | 87 | 2 | -22 | 10 | -19 | -17 | -6 | 4 | 33 | 15 | 34 | 45 |
| 500 | 87 | 22 | -23 | 10 | -19 | -17 | -6 | 4 | 33 | 14 | 36 | 43 |
| 501 | 87 | 43 | -24 | 10 | -18 | -18 | -6 | 4 | 29 | 18 | 34 | 39 |
| 502 | 88 | 3 | -23 | 10 | -18 | -17 | -6 | 5 | 26 | 10 | 33 | 38 |
| 503 | 88 | 23 | -23 | 11 | -18 | -17 | -6 | 5 | 29 | 11 | 35 | 39 |
| 504 | 88 | 44 | -23 | 10 | -18 | -17 | -6 | 5 | 29 | 11 | 34 | 39 |
| 505 | 89 | 4 | -22 | 10 | -18 | -16 | -5 | 6 | 31 | 14 | 36 | 40 |
| 506 | 89 | 24 | -22 | 10 | -17 | -16 | -5 | 7 | 31 | 12 | 36 | 41 |
| 507 | 89 | 45 | -22 | 11 | -17 | -16 | -4 | 7 | 29 | 14 | 36 | 48 |
| 508 | 90 | 5 | -22 | 11 | -16 | -16 | -4 | 8 | 36 | 18 | 41 | 46 |
| 509 | 90 | 25 | -22 | 11 | -16 | -16 | -3 | 8 | 33 | 15 | 38 | 43 |
| 510 | 90 | 45 | -22 | 11 | -17 | -16 | -3 | 8 | 30 | 12 | 34 | 38 |
| 511 | 91 | 6 | -22 | 11 | -17 | -16 | -2 | 8 | 30 | 13 | 34 | 38 |
| 512 | 91 | 26 | -23 | 11 | -16 | -15 | -2 | 8 | 28 | 11 | 34 | 38 |
| 513 | 91 | 47 | -22 | 12 | -16 | -15 | -2 | 8 | 27 | 11 | 34 | 37 |
| 514 | 92 | 7 | -22 | 11 | -16 | -16 | -3 | 8 | 31 | 14 | 36 | 39 |
| 515 | 92 | 28 | -22 | 11 | -16 | -16 | -3 | 8 | 31 | 14 | 36 | 41 |
| 516 | 92 | 48 | -22 | 12 | -16 | -15 | -2 | 8 | 35 | 17 | 48 | 45 |

| -01 SWEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C | 6-08 ENG.1 BLEED AIR TEMP DEG.C | 6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C | 6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C | 6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C | 6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C | 6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C | 6-15 ENG.2 INLET LIP SURF. 2.00 DEG.C | 6-16 ENG.1 INLET LIP SURF. 4.00 DEG.C | 6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C |
|-----------------------|----------------------|----------------------|---|--|--|--|--|--|--|---|---|---|
| 517 | 93 | 9 | -22 | 11 | -16 | -15 | -2 | 9 | 20 | 13 | 32 | 37 |
| 518 | 93 | 33 | -22 | 12 | -15 | -14 | -2 | 9 | 29 | 14 | 36 | 48 |
| 519 | 95 | 50 | -30 | 14 | -15 | -13 | 0 | 11 | 29 | 14 | 31 | 39 |
| 520 | 96 | 10 | -29 | 15 | -15 | -13 | 0 | 11 | 35 | 17 | 38 | 42 |
| 521 | 96 | 31 | -29 | 15 | -13 | -13 | 0 | 11 | 27 | 12 | 29 | 35 |
| 522 | 96 | 51 | -29 | 17 | -13 | -13 | 0 | 12 | 30 | 12 | 26 | 37 |
| 523 | 97 | 12 | -30 | 16 | -14 | -14 | 0 | 11 | 27 | 11 | 26 | 35 |
| 524 | 97 | 33 | -30 | 18 | -13 | -12 | 0 | 11 | 29 | 11 | 27 | 36 |
| 525 | 97 | 53 | -30 | 18 | -14 | -13 | 0 | 11 | 32 | 14 | 29 | 39 |
| 526 | 98 | 14 | -30 | 18 | -13 | -13 | 0 | 11 | 33 | 15 | 33 | 40 |
| 527 | 98 | 34 | -30 | 19 | -12 | -12 | 0 | 12 | 34 | 15 | 33 | 41 |
| 528 | 98 | 55 | -30 | 18 | -12 | -12 | 0 | 11 | 24 | 9 | 24 | 33 |
| 529 | 99 | 16 | -30 | 18 | -13 | -13 | 0 | 11 | 26 | 11 | 28 | 38 |
| 530 | 99 | 36 | -30 | 18 | -13 | -12 | 0 | 11 | 34 | 16 | 38 | 43 |
| 531 | 99 | 57 | -30 | 19 | -12 | -12 | 0 | 12 | 32 | 14 | 37 | 42 |
| 532 | 100 | 17 | -30 | 18 | -12 | -13 | 0 | 11 | 22 | 8 | 30 | 36 |
| 533 | 100 | 38 | -31 | 18 | -12 | -13 | -1 | 11 | 26 | 6 | 30 | 35 |
| 534 | 100 | 58 | -31 | 18 | -12 | -14 | -1 | 10 | 25 | 6 | 28 | 34 |
| 535 | 101 | 17 | -31 | 17 | -12 | -14 | -2 | 8 | 28 | 5 | 29 | 32 |
| 536 | 101 | 39 | -30 | 16 | -12 | -14 | -2 | 8 | 21 | 4 | 27 | 32 |
| 537 | 102 | 0 | -31 | 15 | -12 | -15 | -4 | 6 | 20 | 4 | 27 | 31 |
| 538 | 102 | 20 | -30 | 14 | -11 | -14 | -4 | 7 | 18 | 5 | 27 | 31 |
| 539 | 102 | 41 | -31 | 14 | -11 | -14 | -4 | 7 | 18 | 7 | 31 | 34 |
| 540 | 103 | 1 | -30 | 13 | -11 | -14 | -5 | 6 | 25 | 9 | 31 | 34 |
| 541 | 103 | 22 | -31 | 11 | -12 | -14 | -7 | 4 | 32 | 15 | 32 | 37 |
| 542 | 103 | 42 | -31 | 11 | -11 | -13 | -7 | 4 | 31 | 14 | 36 | 39 |
| 543 | 104 | 1 | -30 | 10 | -12 | -14 | -6 | 4 | 23 | 8 | 32 | 38 |
| 544 | 104 | 23 | -30 | 10 | -11 | -13 | -7 | 4 | 24 | 7 | 30 | 38 |
| 545 | 104 | 44 | -30 | 9 | -12 | -14 | -8 | 3 | 22 | 7 | 31 | 36 |
| 546 | 105 | 4 | -30 | 8 | -12 | -14 | -8 | 3 | 24 | 8 | 31 | 37 |
| 547 | 105 | 25 | -31 | 7 | -11 | -15 | -8 | 2 | 28 | 9 | 32 | 38 |
| 548 | 105 | 45 | -30 | 6 | -12 | -13 | -8 | 3 | 27 | 10 | 32 | 38 |
| 549 | 106 | 6 | -31 | 7 | -12 | -15 | -8 | 2 | 27 | 9 | 34 | 39 |
| 550 | 106 | 26 | -30 | 7 | -11 | -14 | -8 | 2 | 27 | 11 | 34 | 41 |
| 551 | 106 | 47 | -30 | 6 | -11 | -14 | -8 | 2 | 28 | 10 | 33 | 40 |
| 552 | 107 | 7 | -30 | 6 | -11 | -14 | -9 | 2 | 32 | 11 | 34 | 40 |
| 553 | 107 | 28 | -30 | 5 | -11 | -14 | -8 | 2 | 27 | 8 | 31 | 38 |
| 554 | 107 | 48 | -30 | 5 | -11 | -14 | -8 | 2 | 24 | 9 | 32 | 38 |
| 555 | 108 | 8 | -30 | 4 | -12 | -14 | -10 | 1 | 24 | 8 | 32 | 38 |
| 556 | 108 | 29 | -30 | 4 | -12 | -14 | -10 | 2 | 26 | 8 | 31 | 37 |
| 557 | 108 | 49 | -31 | 4 | -13 | -16 | -10 | 1 | 28 | 7 | 31 | 36 |
| 558 | 109 | 10 | -30 | 4 | -12 | -14 | -10 | 1 | 29 | 11 | 35 | 41 |
| 559 | 109 | 30 | -29 | 3 | -12 | -14 | -9 | 1 | 25 | 9 | 32 | 39 |
| 560 | 109 | 51 | -30 | 3 | -11 | -14 | -10 | 1 | 26 | 8 | 31 | 38 |
| 561 | 110 | 11 | -30 | 2 | -13 | -16 | -10 | 0 | 24 | 6 | 29 | 35 |
| 562 | 110 | 32 | -30 | 3 | -12 | -15 | -10 | 1 | 26 | 8 | 31 | 37 |
| 563 | 110 | 52 | -30 | 1 | -13 | -15 | -11 | 0 | 20 | 7 | 31 | 36 |
| 564 | 111 | 13 | -30 | 2 | -12 | -15 | -10 | 0 | 24 | 7 | 30 | 36 |
| 565 | 111 | 33 | -30 | 2 | -12 | -15 | -11 | 1 | 26 | 7 | 31 | 36 |
| 566 | 111 | 54 | -29 | 2 | -12 | -15 | -10 | 0 | 28 | 13 | 32 | 41 |

| 6-19 | 6-18 | 6-15 | 6-13 | 6-12 | 6-11 | 6-10 | 6-09 | 6-09 | 6-07 | 6-03 | 6-02 | 6-01 |
|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|------|------|------|
| ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.2 | ENG.2 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | TIME | TIME | TIME |
| INLET | INLET | INLET | INLET | LORD | LORD | LORD | LORD | LORD | BOOST | SEC. | MIN. | SEC. |
| LIP | LIP | LIP | LIP | ISOL. | ISOL. | ISOL. | ISOL. | ISOL. | PUMP | | | |
| SURF. | SURF. | SURF. | SURF. | MNT | MNT | MNT | MNT | MNT | OUTLET | | | |
| 5.80 | 4.00 | 2.00 | 12.00 | AFTOUT | AFT IN | AFTOUT | AFT IN | AFT IN | TEMP | | | |
| DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | | | |
| 48 | 34 | 9 | 32 | 0 | -11 | -16 | -13 | 1 | -30 | 14 | 112 | 14 |
| 48 | 34 | 11 | 29 | 1 | -11 | -15 | -12 | 2 | -28 | 35 | 112 | 35 |
| 38 | 31 | 8 | 24 | 0 | -11 | -16 | -13 | 1 | -30 | 55 | 112 | 55 |
| 35 | 28 | 5 | 22 | 0 | -11 | -15 | -13 | 2 | -30 | 15 | 113 | 15 |
| 34 | 28 | 7 | 23 | 0 | -11 | -15 | -12 | 0 | -30 | 113 | 36 | 113 |
| 36 | 29 | 7 | 23 | 0 | -11 | -16 | -13 | 1 | -30 | 56 | 113 | 56 |
| 37 | 32 | 8 | 27 | 0 | -11 | -15 | -12 | 1 | -30 | 17 | 114 | 17 |
| 37 | 31 | 6 | 26 | -0 | -12 | -17 | -14 | 0 | -30 | 37 | 114 | 37 |
| 38 | 31 | 8 | 25 | 0 | -12 | -16 | -13 | 0 | -29 | 57 | 114 | 57 |
| 38 | 31 | 8 | 27 | 0 | -12 | -17 | -14 | 0 | -30 | 114 | 115 | 114 |
| 38 | 31 | 8 | 24 | 0 | -12 | -15 | -14 | 0 | -30 | 18 | 115 | 18 |
| 38 | 31 | 8 | 27 | 0 | -12 | -17 | -14 | 0 | -30 | 38 | 115 | 38 |
| 36 | 30 | 7 | 25 | -0 | -12 | -17 | -14 | 0 | -30 | 58 | 115 | 58 |
| 36 | 31 | 7 | 26 | -0 | -12 | -17 | -13 | 0 | -29 | 19 | 116 | 19 |
| 38 | 31 | 11 | 28 | 0 | -12 | -16 | -13 | 0 | -28 | 39 | 116 | 39 |
| 38 | 32 | 8 | 27 | 0 | -12 | -16 | -14 | 0 | -28 | 59 | 116 | 59 |
| 38 | 32 | 9 | 27 | 0 | -12 | -15 | -13 | 0 | -28 | 20 | 117 | 20 |
| 43 | 35 | 14 | 32 | 0 | -11 | -15 | -13 | 0 | -27 | 40 | 117 | 40 |
| 43 | 35 | 11 | 33 | -1 | -12 | -16 | -14 | 0 | -29 | 118 | 118 | 118 |
| 42 | 35 | 11 | 29 | -1 | -12 | -16 | -13 | 0 | -28 | 8 | 118 | 8 |
| 41 | 36 | 12 | 30 | -2 | -12 | -17 | -14 | 0 | -28 | 21 | 118 | 21 |
| 40 | 33 | 10 | 29 | 0 | -11 | -15 | -14 | 0 | -27 | 41 | 118 | 41 |
| 36 | 29 | 7 | 24 | -0 | -12 | -17 | -12 | 0 | -27 | 2 | 119 | 2 |
| 36 | 30 | 7 | 25 | 0 | -11 | -16 | -13 | 0 | -28 | 119 | 119 | 119 |
| 34 | 28 | 6 | 24 | 0 | -11 | -16 | -14 | 0 | -27 | 42 | 119 | 42 |
| 34 | 28 | 6 | 24 | 0 | -10 | -15 | -14 | 0 | -27 | 3 | 120 | 3 |
| 36 | 29 | 6 | 23 | 0 | -10 | -15 | -12 | 0 | -28 | 23 | 120 | 23 |
| 36 | 29 | 7 | 21 | 0 | -11 | -16 | -13 | 0 | -27 | 44 | 120 | 44 |
| 37 | 32 | 7 | 25 | 0 | -12 | -18 | -14 | 0 | -28 | 4 | 121 | 4 |
| 39 | 33 | 8 | 27 | 1 | -11 | -16 | -14 | 1 | -27 | 24 | 121 | 24 |
| 39 | 33 | 8 | 28 | -0 | -12 | -18 | -14 | 0 | -27 | 45 | 121 | 45 |
| 42 | 35 | 12 | 33 | 0 | -12 | -16 | -13 | 0 | -26 | 5 | 121 | 5 |
| 48 | 34 | 9 | 29 | -1 | -12 | -16 | -15 | 1 | -27 | 25 | 122 | 25 |
| 48 | 32 | 9 | 28 | -0 | -12 | -16 | -14 | 2 | -27 | 46 | 122 | 46 |
| 39 | 32 | 9 | 28 | -0 | -12 | -17 | -14 | 2 | -26 | 6 | 122 | 6 |
| 42 | 35 | 12 | 30 | -0 | -11 | -16 | -14 | 2 | -26 | 7 | 123 | 7 |
| 42 | 36 | 12 | 30 | -0 | -11 | -16 | -14 | 3 | -25 | 47 | 123 | 47 |
| 51 | 44 | 21 | 37 | -1 | -12 | -16 | -14 | 3 | -24 | 27 | 124 | 27 |
| 43 | 37 | 16 | 27 | -1 | -12 | -16 | -14 | 2 | -24 | 48 | 124 | 48 |
| 51 | 44 | 21 | 37 | -1 | -11 | -16 | -14 | 2 | -24 | 8 | 125 | 8 |
| 51 | 44 | 21 | 37 | 0 | -10 | -14 | -13 | 4 | -24 | 28 | 125 | 28 |
| 8 | 44 | 16 | 37 | 0 | -9 | -15 | -13 | 4 | -24 | 49 | 125 | 49 |
| 8 | 41 | 16 | 34 | 0 | -8 | -14 | -13 | 4 | -24 | 9 | 125 | 9 |
| 10 | 41 | 21 | 37 | 0 | -8 | -14 | -13 | 4 | -24 | 29 | 126 | 29 |
| 48 | 41 | 21 | 37 | 0 | -10 | -15 | -14 | 5 | -24 | 50 | 126 | 50 |
| 41 | 35 | 16 | 26 | 1 | -8 | -13 | -14 | 5 | -24 | 127 | 127 | 127 |
| 42 | 38 | 15 | 28 | 4 | -6 | -13 | -14 | 5 | -24 | 30 | 127 | 30 |
| 41 | 38 | 15 | 28 | 4 | -6 | -13 | -14 | 5 | -24 | 51 | 127 | 51 |
| 34 | 31 | 10 | 27 | 4 | -5 | -14 | -14 | 6 | -24 | 11 | 128 | 11 |
| 36 | 33 | 12 | 29 | 6 | -5 | -13 | -13 | 7 | -24 | 31 | 128 | 31 |
| 41 | 31 | 14 | 31 | 7 | -4 | -12 | -12 | 7 | -24 | 52 | 128 | 52 |
| 34 | 30 | 14 | 31 | 7 | -4 | -14 | -14 | 7 | -23 | 12 | 129 | 12 |

| -01 SWEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-07 | | 6-08 | | 6-09 | | 6-10 | | 6-11 | | 6-12 | | 6-13 | | 6-15 | | 6-18 | | 6-19 | |
|-----------------------|----------------------|----------------------|---|--|--|--|--|--|--|--|---|---|---|-----|------|--|------|--|------|--|------|--|
| | | | ENG.1 BOOST OUTLET TEMP DEG.C | ENG.1 BLEED AIR TEMP DEG.C | ENG.1 LORD ISOL. MNT AFTOUT DEG.C | ENG.1 LORD ISOL. MNT AFTOUT DEG.C | ENG.1 LORD ISOL. MNT AFTOUT DEG.C | ENG.2 LORD ISOL. MNT AFT IN DEG.C | ENG.2 LORD ISOL. MNT AFTOUT DEG.C | ENG.1 INLET LIP SURF. 12.00 DEG.C | ENG.1 INLET LIP SURF. 2.08 DEG.C | ENG.1 INLET LIP SURF. 4.00 DEG.C | ENG.1 INLET LIP SURF. 5.08 DEG.C | | | | | | | | | |
| 617 | 129 | 32 | -23 | 8 | -14 | -14 | -14 | -14 | -14 | -4 | 7 | 30 | 17 | 42 | 46 | | | | | | | |
| 618 | 129 | 53 | -23 | 9 | -13 | -13 | -13 | -13 | -13 | -4 | 6 | 29 | 14 | 36 | 40 | | | | | | | |
| 619 | 130 | 13 | -23 | 8 | -13 | -13 | -13 | -13 | -13 | -4 | 5 | 34 | 17 | 41 | 40 | | | | | | | |
| 620 | 130 | 33 | -23 | 8 | -13 | -13 | -13 | -13 | -13 | -3 | 5 | 37 | 21 | 44 | 4 | | | | | | | |
| 621 | 130 | 53 | -24 | 8 | -13 | -13 | -13 | -13 | -13 | -5 | 4 | 36 | 18 | 37 | 4 | | | | | | | |
| 622 | 131 | 14 | -25 | 7 | -12 | -12 | -12 | -12 | -12 | -6 | 3 | 30 | 22 | 35 | 0 | | | | | | | |
| 623 | 131 | 34 | -24 | 7 | -14 | -14 | -14 | -14 | -14 | -8 | 2 | 30 | 25 | 42 | 35 | | | | | | | |
| 624 | 131 | 54 | -24 | 6 | -13 | -13 | -13 | -13 | -13 | -9 | 1 | 34 | 29 | 44 | 42 | | | | | | | |
| 625 | 132 | 15 | -22 | 8 | -12 | -12 | -12 | -12 | -12 | -9 | 1 | 23 | 26 | 44 | 38 | | | | | | | |
| 626 | 132 | 35 | -22 | 9 | -14 | -14 | -14 | -14 | -14 | -10 | 1 | 25 | 31 | 51 | 39 | | | | | | | |
| 627 | 132 | 55 | -23 | 9 | -14 | -14 | -14 | -14 | -14 | -12 | 0 | 15 | 25 | 46 | 38 | | | | | | | |
| 628 | 132 | 16 | -22 | 10 | -13 | -13 | -13 | -13 | -13 | -12 | 0 | 20 | 29 | 46 | 33 | | | | | | | |
| 629 | 133 | 36 | -22 | 9 | -13 | -13 | -13 | -13 | -13 | -13 | -1 | 14 | 27 | 49 | 32 | | | | | | | |
| 630 | 133 | 56 | -23 | 10 | -14 | -14 | -14 | -14 | -14 | -14 | -1 | 21 | 31 | 52 | 34 | | | | | | | |
| 631 | 134 | 17 | -23 | 10 | -12 | -12 | -12 | -12 | -12 | -14 | -2 | 7 | 28 | 53 | 35 | | | | | | | |
| 632 | 134 | 37 | -23 | 9 | -14 | -14 | -14 | -14 | -14 | -16 | -2 | 12 | 22 | 45 | 24 | | | | | | | |
| 633 | 134 | 57 | -23 | 10 | -13 | -13 | -13 | -13 | -13 | -16 | -3 | 18 | 29 | 51 | 39 | | | | | | | |
| 634 | 135 | 18 | -22 | 11 | -14 | -14 | -14 | -14 | -14 | -16 | -3 | 9 | 25 | 46 | 35 | | | | | | | |
| 635 | 135 | 38 | -22 | 11 | -13 | -13 | -13 | -13 | -13 | -16 | -3 | 19 | 30 | 52 | 40 | | | | | | | |
| 636 | 135 | 58 | -22 | 10 | -14 | -14 | -14 | -14 | -14 | -17 | -4 | 14 | 27 | 51 | 38 | | | | | | | |
| 637 | 136 | 19 | -23 | 11 | -15 | -15 | -15 | -15 | -15 | -17 | -5 | 15 | 24 | 44 | 29 | | | | | | | |
| 638 | 136 | 39 | -23 | 9 | -14 | -14 | -14 | -14 | -14 | -18 | -5 | 21 | 29 | 49 | 34 | | | | | | | |
| 639 | 136 | 59 | -24 | 11 | -14 | -14 | -14 | -14 | -14 | -18 | -4 | 22 | 22 | 52 | 49 | | | | | | | |
| 640 | 137 | 20 | -24 | 9 | -13 | -13 | -13 | -13 | -13 | -17 | -5 | 31 | 28 | 46 | 5 | | | | | | | |
| 641 | 137 | 40 | -24 | 8 | -14 | -14 | -14 | -14 | -14 | -16 | -6 | 27 | 27 | 44 | 32 | | | | | | | |
| 642 | 138 | 0 | -23 | 7 | -16 | -16 | -16 | -16 | -16 | -17 | -5 | 26 | 15 | 39 | 35 | | | | | | | |
| 643 | 138 | 21 | -23 | 7 | -15 | -15 | -15 | -15 | -15 | -15 | -4 | 34 | 18 | 39 | 40 | | | | | | | |
| 644 | 138 | 41 | -21 | 7 | -13 | -13 | -13 | -13 | -13 | -14 | -2 | 34 | 18 | 39 | 42 | | | | | | | |
| 645 | 139 | 1 | -22 | 7 | -14 | -14 | -14 | -14 | -14 | -13 | 0 | 33 | 17 | 48 | 45 | | | | | | | |
| 646 | 139 | 22 | -21 | 7 | -15 | -15 | -15 | -15 | -15 | -10 | 0 | 30 | 17 | 40 | 5 | | | | | | | |
| 647 | 139 | 42 | -22 | 7 | -14 | -14 | -14 | -14 | -14 | -11 | 0 | 30 | 17 | 43 | 41 | | | | | | | |
| 648 | 140 | 2 | -23 | 6 | -14 | -14 | -14 | -14 | -14 | -12 | -1 | 37 | 22 | 41 | 27 | | | | | | | |
| 649 | 140 | 22 | -24 | 5 | -15 | -15 | -15 | -15 | -15 | -12 | -1 | 38 | 32 | 41 | 17 | | | | | | | |
| 650 | 140 | 42 | -23 | 5 | -15 | -15 | -15 | -15 | -15 | -14 | -1 | 24 | 26 | 49 | 38 | | | | | | | |
| 651 | 141 | 2 | -22 | 6 | -15 | -15 | -15 | -15 | -15 | -15 | -2 | 18 | 25 | 46 | 28 | | | | | | | |
| 652 | 141 | 22 | -22 | 6 | -16 | -16 | -16 | -16 | -16 | -16 | -3 | 18 | 29 | 46 | 34 | | | | | | | |
| 653 | 141 | 43 | -20 | 8 | -16 | -16 | -16 | -16 | -16 | -16 | -2 | 14 | 28 | 47 | 36 | | | | | | | |
| 654 | 142 | 3 | -22 | 7 | -16 | -16 | -16 | -16 | -16 | -14 | -4 | 17 | 29 | 44 | 47 | | | | | | | |
| 655 | 142 | 23 | -20 | 8 | -16 | -16 | -16 | -16 | -16 | -16 | -4 | 16 | 26 | 46 | 38 | | | | | | | |
| 656 | 142 | 43 | -20 | 8 | -15 | -15 | -15 | -15 | -15 | -17 | -4 | 15 | 30 | 43 | 34 | | | | | | | |
| 657 | 143 | 3 | -21 | 8 | -15 | -15 | -15 | -15 | -15 | -18 | -6 | 14 | 29 | 48 | 42 | | | | | | | |
| 658 | 143 | 24 | -21 | 8 | -15 | -15 | -15 | -15 | -15 | -18 | -6 | 14 | 28 | 44 | 34 | | | | | | | |
| 659 | 143 | 44 | -21 | 8 | -15 | -15 | -15 | -15 | -15 | -18 | -6 | 17 | 17 | 36 | 21 | | | | | | | |
| 660 | 144 | 4 | -21 | 7 | -16 | -16 | -16 | -16 | -16 | -17 | -7 | 5 | -2 | 9 | -1 | | | | | | | |
| 661 | 144 | 24 | -22 | 7 | -15 | -15 | -15 | -15 | -15 | -14 | -7 | -12 | -2 | -8 | -1 | | | | | | | |
| 662 | 144 | 43 | -21 | 7 | -16 | -16 | -16 | -16 | -16 | -17 | -6 | -26 | -22 | -18 | -23 | | | | | | | |
| 663 | 145 | 5 | -21 | 6 | -16 | -16 | -16 | -16 | -16 | -17 | -7 | -26 | -22 | -18 | -27 | | | | | | | |
| 664 | 145 | 25 | -22 | 6 | -16 | -16 | -16 | -16 | -16 | -18 | -8 | -24 | -24 | -24 | -29 | | | | | | | |
| 665 | 145 | 45 | -22 | 6 | -15 | -15 | -15 | -15 | -15 | -18 | -8 | -24 | -24 | -24 | -32 | | | | | | | |
| 666 | 146 | 5 | -21 | 6 | -16 | -16 | -16 | -16 | -16 | -17 | -8 | -28 | -29 | -31 | -32 | | | | | | | |

HH-53C S/N 68-10354
ARCTIC TEST
15 JANUARY 1971
RUN NO. 3

-40 DEG C / -40 DEG F

| SWEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-21 | | 6-22 | | 6-23 | | 6-24 | | 6-25 | | 6-26 | | 6-27 | | 6-28 | |
|----------------|----------------------|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------|-----|
| | | | ENG.1 COMPT UPPER FWD AIRTMP DEG.C | ENG.1 COMPT LOWER FWD AIRTMP DEG.C | ENG.1 COMPT UPPER AFT AIRTMP DEG.C | ENG.1 COMPT LOWER AFT AIRTMP DEG.C | ENG.1 COMPT UPPER AFT AIRTMP DEG.C | ENG.1 COMPT LOWER AFT AIRTMP DEG.C | ENG.1 COMPT UPPER AFT AIRTMP DEG.C | ENG.1 COMPT LOWER AFT AIRTMP DEG.C | ENG.1 COMPT UPPER AFT AIRTMP DEG.C | ENG.1 COMPT LOWER AFT AIRTMP DEG.C | ENG.1 COMPT UPPER AFT AIRTMP DEG.C | ENG.1 COMPT UPPER AFT AIRTMP DEG.C | ENG.2 ACCESS G-BOX (IF PRI) TEMP DEG.C | ENG.2 ACCESS G-BOX (IF PRI) TEMP DEG.C | | |
| 272 | 11 | 40 | -36 | -36 | -34 | -36 | -34 | -36 | -36 | -36 | -35 | -36 | -36 | -36 | -35 | -34 | -34 | -34 |
| 273 | 11 | 59 | -35 | -35 | -34 | -35 | -34 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 274 | 12 | 19 | -36 | -36 | -34 | -36 | -34 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 275 | 12 | 37 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 276 | 12 | 57 | -36 | -36 | -34 | -36 | -34 | -36 | -36 | -36 | -35 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 277 | 13 | 16 | -35 | -35 | -35 | -35 | -35 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 278 | 13 | 36 | -36 | -36 | -35 | -36 | -35 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 279 | 13 | 55 | -36 | -36 | -35 | -36 | -35 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 280 | 14 | 15 | -36 | -36 | -35 | -36 | -35 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 281 | 14 | 34 | -36 | -36 | -35 | -36 | -35 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 282 | 14 | 54 | -36 | -36 | -35 | -36 | -35 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 283 | 15 | 13 | -36 | -36 | -35 | -36 | -35 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 284 | 15 | 33 | -36 | -36 | -35 | -36 | -35 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 285 | 15 | 52 | -36 | -36 | -35 | -36 | -35 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 286 | 16 | 12 | -36 | -36 | -35 | -36 | -35 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 287 | 16 | 31 | -36 | -36 | -35 | -36 | -35 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 288 | 16 | 51 | -36 | -36 | -35 | -36 | -35 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 289 | 17 | 10 | -36 | -36 | -35 | -36 | -35 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 290 | 17 | 29 | -35 | -35 | -34 | -35 | -34 | -36 | -36 | -36 | -36 | -36 | -36 | -36 | -35 | -34 | -35 | -35 |
| 291 | 17 | 49 | -34 | -34 | -33 | -34 | -33 | -35 | -35 | -35 | -35 | -35 | -35 | -35 | -34 | -34 | -34 | -34 |
| 292 | 18 | 8 | -34 | -34 | -33 | -34 | -33 | -35 | -35 | -35 | -35 | -35 | -35 | -35 | -34 | -34 | -34 | -34 |
| 293 | 18 | 27 | -33 | -33 | -32 | -33 | -32 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -33 | -33 | -33 | -33 |
| 294 | 18 | 47 | -33 | -33 | -32 | -33 | -32 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -33 | -33 | -33 | -33 |
| 295 | 19 | 6 | -32 | -32 | -31 | -32 | -31 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -32 | -32 | -32 | -32 |
| 296 | 19 | 26 | -32 | -32 | -31 | -32 | -31 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -32 | -32 | -32 | -32 |
| 297 | 19 | 45 | -32 | -32 | -31 | -32 | -31 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -32 | -32 | -32 | -32 |
| 298 | 20 | 4 | -32 | -32 | -31 | -32 | -31 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -32 | -32 | -32 | -32 |
| 299 | 20 | 24 | -32 | -32 | -31 | -32 | -31 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -32 | -32 | -32 | -32 |
| 300 | 20 | 43 | -31 | -31 | -30 | -31 | -30 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -31 | -31 | -31 | -31 |
| 301 | 21 | 3 | -32 | -32 | -31 | -32 | -31 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -32 | -32 | -32 | -32 |
| 302 | 21 | 22 | -32 | -32 | -31 | -32 | -31 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -32 | -32 | -32 | -32 |
| 303 | 21 | 41 | -31 | -31 | -30 | -31 | -30 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -31 | -31 | -31 | -31 |
| 304 | 22 | 1 | -31 | -31 | -30 | -31 | -30 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -31 | -31 | -31 | -31 |
| 305 | 22 | 20 | -30 | -30 | -29 | -30 | -29 | -31 | -31 | -31 | -31 | -31 | -31 | -31 | -30 | -30 | -30 | -30 |
| 306 | 22 | 40 | -31 | -31 | -30 | -31 | -30 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -31 | -31 | -31 | -31 |
| 307 | 22 | 59 | -32 | -32 | -31 | -32 | -31 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -32 | -32 | -32 | -32 |
| 308 | 23 | 19 | -32 | -32 | -31 | -32 | -31 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -32 | -32 | -32 | -32 |
| 309 | 23 | 38 | -32 | -32 | -31 | -32 | -31 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -32 | -32 | -32 | -32 |
| 310 | 23 | 57 | -32 | -32 | -31 | -32 | -31 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -32 | -32 | -32 | -32 |
| 311 | 24 | 17 | -32 | -32 | -31 | -32 | -31 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -32 | -32 | -32 | -32 |
| 312 | 24 | 36 | -32 | -32 | -31 | -32 | -31 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -32 | -32 | -32 | -32 |
| 313 | 24 | 56 | -31 | -31 | -30 | -31 | -30 | -32 | -32 | -32 | -32 | -32 | -32 | -32 | -31 | -31 | -31 | -31 |
| 314 | 25 | 15 | -32 | -32 | -31 | -32 | -31 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -32 | -32 | -32 | -32 |
| 315 | 25 | 35 | -32 | -32 | -31 | -32 | -31 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -32 | -32 | -32 | -32 |
| 316 | 25 | 54 | -32 | -32 | -31 | -32 | -31 | -33 | -33 | -33 | -33 | -33 | -33 | -33 | -32 | -32 | -32 | -32 |

| LINE | TIME | 6-23 | 6-22 | 6-21 | 6-20 | 6-19 | 6-18 | 6-17 | 6-16 | 6-15 | 6-14 | 6-13 | 6-12 | 6-11 | 6-10 | 6-9 | 6-8 | 6-7 | 6-6 | | | | | | | | |
|------|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|--------|-----|--|--|--|--|
| 317 | 26 | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | ENG.1 COMPT | | | | | | | |
| 318 | 26 | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | UPPER FWD | | | | | | |
| 319 | 26 | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | AIRTMP | | | | | |
| 320 | 27 | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | 3FC | | | | |
| 321 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 322 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 323 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 324 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 325 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 326 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 327 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 328 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 329 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 331 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 332 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 333 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 334 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 335 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 336 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 337 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 338 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 339 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 340 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 341 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 342 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 343 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 344 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 345 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 346 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 347 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 348 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 349 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 350 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 351 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 352 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 353 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 354 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 355 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 356 | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 357 | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 358 | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 359 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 360 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 361 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 362 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 363 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 364 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 365 | 42 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 366 | 42 | | | | | | | | | | | | | | | | | | | | | | | | | | |

| -01 SNEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-21 ENG.1 COMPT UPPER FWD AIRTMP DEG.C | 6-22 ENG.1 COMPT LOWER AFT AIRTMP DEG.C | 6-24 ENG.1 COMPT LOWER AFT AIRTMP DEG.C | 6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C | 6-26 ENG.1 ACCESS G.BOX (F.FI) TEMP DEG.C | 6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C | 6-28 ENG.2 ACCESS G.BOX (F.FI) TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|---|---|---|---|
| 367 | 42 | 43 | -35 | -35 | -34 | -36 | -35 | -34 | -34 |
| 368 | 43 | 5 | -35 | -35 | -34 | -36 | -36 | -34 | -34 |
| 369 | 43 | 25 | -34 | -35 | -34 | -36 | -36 | -34 | -34 |
| 370 | 43 | 45 | -34 | -35 | -34 | -36 | -36 | -34 | -34 |
| 371 | 44 | 5 | -34 | -35 | -34 | -36 | -36 | -34 | -34 |
| 372 | 44 | 25 | -35 | -35 | -35 | -36 | -36 | -35 | -34 |
| 373 | 44 | 45 | -35 | -35 | -35 | -36 | -36 | -34 | -34 |
| 374 | 45 | 45 | -35 | -35 | -35 | -36 | -36 | -35 | -34 |
| 375 | 45 | 25 | -35 | -34 | -35 | -36 | -36 | -34 | -34 |
| 376 | 45 | 45 | -34 | -34 | -34 | -36 | -36 | -34 | -34 |
| 377 | 46 | 5 | -34 | -35 | -34 | -36 | -36 | -35 | -34 |
| 378 | 46 | 25 | -34 | -35 | -34 | -36 | -36 | -34 | -34 |
| 379 | 46 | 45 | -34 | -34 | -34 | -36 | -36 | -34 | -34 |
| 380 | 47 | 5 | -34 | -35 | -34 | -36 | -36 | -35 | -34 |
| 381 | 47 | 25 | -34 | -35 | -34 | -36 | -36 | -34 | -34 |
| 382 | 47 | 45 | -34 | -35 | -34 | -36 | -36 | -34 | -35 |
| 383 | 48 | 5 | -34 | -35 | -34 | -36 | -36 | -34 | -34 |
| 384 | 48 | 26 | -34 | -35 | -34 | -36 | -36 | -34 | -34 |
| 385 | 48 | 46 | -34 | -35 | -35 | -36 | -36 | -34 | -34 |
| 386 | 49 | 6 | -34 | -35 | -35 | -36 | -36 | -34 | -34 |
| 387 | 49 | 26 | -34 | -35 | -35 | -36 | -36 | -34 | -34 |
| 388 | 49 | 46 | -34 | -35 | -35 | -36 | -36 | -35 | -34 |
| 389 | 50 | 6 | -34 | -35 | -35 | -36 | -36 | -35 | -34 |
| 390 | 50 | 26 | -34 | -35 | -35 | -36 | -36 | -35 | -34 |
| 391 | 50 | 46 | -34 | -35 | -35 | -36 | -36 | -34 | -34 |
| 392 | 51 | 6 | -32 | -33 | -35 | -36 | -36 | -34 | -35 |
| 393 | 51 | 27 | -32 | -33 | -35 | -36 | -36 | -34 | -34 |
| 394 | 51 | 47 | -31 | -31 | -35 | -36 | -36 | -34 | -34 |
| 395 | 51 | 7 | -31 | -31 | -35 | -36 | -36 | -34 | -34 |
| 396 | 52 | 27 | -31 | -31 | -35 | -36 | -36 | -34 | -34 |
| 397 | 52 | 47 | -31 | -31 | -35 | -36 | -36 | -34 | -35 |
| 398 | 53 | 7 | -31 | -31 | -35 | -36 | -36 | -34 | -35 |
| 399 | 53 | 27 | -31 | -31 | -35 | -36 | -36 | -35 | -34 |
| 400 | 53 | 47 | -31 | -31 | -35 | -36 | -36 | -35 | -35 |
| 401 | 54 | 8 | -31 | -31 | -35 | -36 | -36 | -35 | -35 |
| 402 | 54 | 28 | -31 | -31 | -35 | -36 | -36 | -34 | -35 |
| 403 | 54 | 48 | -31 | -31 | -35 | -36 | -36 | -34 | -35 |
| 404 | 55 | 8 | -32 | -33 | -35 | -36 | -36 | -34 | -35 |
| 405 | 55 | 28 | -32 | -33 | -35 | -36 | -36 | -34 | -35 |
| 406 | 55 | 48 | -32 | -33 | -35 | -36 | -36 | -35 | -34 |
| 407 | 56 | 8 | -32 | -33 | -35 | -36 | -36 | -35 | -35 |
| 408 | 56 | 29 | -32 | -33 | -35 | -36 | -36 | -35 | -35 |
| 409 | 56 | 49 | -32 | -33 | -35 | -36 | -36 | -35 | -34 |
| 410 | 57 | 9 | -32 | -33 | -35 | -36 | -36 | -35 | -35 |
| 411 | 57 | 29 | -33 | -34 | -35 | -36 | -36 | -35 | -30 |
| 412 | 57 | 49 | -34 | -35 | -35 | -36 | -36 | -35 | -6 |
| 413 | 58 | 9 | -34 | -35 | -35 | -36 | -36 | -35 | -22 |
| 414 | 58 | 29 | -34 | -35 | -34 | -36 | -36 | -35 | -18 |
| 415 | 58 | 49 | -34 | -35 | -34 | -36 | -36 | -35 | -14 |
| 416 | 59 | 9 | -34 | -35 | -34 | -36 | -36 | -35 | -10 |

| SWG NO. | TIME MIN. | TIME SEC. | 6-21 ENG.1 COMPT UPPER FWD PIRMP DEG.C | 6-22 ENG.1 COMPT LOWER FWD APTMP DEG.C | 6-23 ENG.1 COMPT UPPER AFT APTMP DEG.C | 6-24 ENG.1 COMPT LOWER AFT APTMP DEG.C | 6-25 ENG.1 ACCESS G.BOX (SIRT) TEMP DEG.C | 6-26 ENG.1 ACCESS G.BOX (F.FRI) TEMP DEG.C | 6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C | 6-28 ENG.2 ACCESS G.BOX (F.FRI) TEMP DEG.C |
|------------|--------------|--------------|--|--|--|--|---|--|---|--|
| 417 | 39 | 29 | -34 | -33 | -35 | -34 | -27 | -33 | -7 | -8 |
| 418 | 59 | 49 | -33 | -33 | -34 | -32 | -27 | -33 | -7 | -4 |
| 419 | 50 | 9 | -33 | -33 | -33 | -34 | -27 | -33 | -8 | -1 |
| 420 | 50 | 29 | -33 | -32 | -33 | -33 | -27 | -33 | -8 | 1 |
| 421 | 50 | 50 | -32 | -32 | -32 | -32 | -26 | -33 | -6 | 5 |
| 422 | 51 | 10 | -32 | -31 | - | - | -27 | -32 | -6 | 8 |
| 423 | 61 | 30 | -32 | -31 | -32 | -31 | -26 | -32 | -8 | 12 |
| 424 | 61 | 50 | -32 | -31 | -32 | -31 | -25 | -32 | -8 | 15 |
| 425 | 62 | 10 | -32 | -30 | -31 | -31 | -8 | -32 | -8 | 18 |
| 426 | 62 | 30 | -31 | -30 | -30 | -29 | 9 | -29 | -7 | 22 |
| 427 | 62 | 50 | -31 | -30 | -31 | -29 | 16 | -25 | -8 | 23 |
| 428 | 63 | 10 | -30 | -29 | -30 | -28 | 16 | -20 | -8 | 25 |
| 429 | 63 | 31 | -31 | -28 | -29 | -27 | 16 | -16 | -7 | 27 |
| 430 | 63 | 51 | -30 | -28 | -28 | -27 | 16 | -12 | -7 | 28 |
| 431 | 64 | 11 | -30 | -29 | -29 | -28 | 14 | -10 | -7 | 29 |
| 432 | 64 | 31 | -27 | -30 | -26 | -26 | 13 | -6 | -7 | 31 |
| 433 | 64 | 51 | -24 | -27 | -23 | -26 | 12 | -3 | -6 | 31 |
| 434 | 65 | 11 | -23 | -29 | -23 | -26 | 11 | -0 | -7 | 31 |
| 435 | 65 | 31 | -22 | -29 | -22 | -26 | 9 | 3 | -7 | 31 |
| 436 | 65 | 51 | -22 | -28 | -21 | -26 | 9 | 7 | -6 | 33 |
| 437 | 66 | 11 | -18 | -27 | -18 | -24 | 11 | 11 | -6 | 34 |
| 438 | 66 | 31 | -19 | -28 | -20 | -25 | 8 | 15 | -6 | 37 |
| 439 | 66 | 51 | -18 | -27 | -18 | -24 | 8 | 19 | -5 | 38 |
| 440 | 67 | 11 | -17 | -28 | -18 | -25 | 7 | 22 | -5 | 39 |
| 441 | 67 | 31 | -16 | -28 | -18 | -24 | 7 | 25 | -5 | 41 |
| 442 | 67 | 51 | -15 | -28 | -18 | -25 | 6 | 28 | -5 | 41 |
| 443 | 68 | 11 | -14 | -28 | -16 | -24 | 6 | 28 | -4 | 41 |
| 444 | 68 | 31 | -13 | -26 | -16 | -23 | 6 | 31 | -4 | 43 |
| 445 | 68 | 51 | -12 | -25 | -17 | -23 | 6 | 34 | -4 | 43 |
| 446 | 69 | 11 | -13 | -28 | -17 | -24 | 5 | 36 | -4 | 44 |
| 447 | 69 | 31 | -12 | -26 | -15 | -24 | 5 | 37 | -4 | 44 |
| 448 | 69 | 52 | -12 | -26 | -15 | -23 | 5 | 39 | -3 | 44 |
| 449 | 70 | 12 | -12 | -27 | -15 | -24 | 6 | 41 | -2 | 46 |
| 450 | 70 | 32 | -10 | -26 | -14 | -22 | 6 | 42 | -2 | 46 |
| 451 | 70 | 52 | -10 | -23 | -13 | -21 | 7 | 45 | -2 | 46 |
| 452 | 71 | 12 | -11 | -24 | -14 | -22 | 6 | 44 | -2 | 46 |
| 453 | 71 | 32 | -10 | -25 | -14 | -22 | 6 | 44 | -1 | 46 |
| 454 | 71 | 52 | -10 | -27 | -14 | -22 | 5 | 44 | -1 | 46 |
| 455 | 72 | 12 | -10 | -27 | -14 | -22 | 5 | 45 | -1 | 46 |
| 456 | 72 | 32 | -10 | -27 | -15 | -23 | 6 | 46 | -1 | 46 |
| 457 | 72 | 52 | -11 | -27 | -15 | -24 | 5 | 45 | -0 | 47 |
| 458 | 73 | 13 | -10 | -27 | -14 | -23 | 5 | 45 | -0 | 46 |
| 459 | 73 | 33 | -10 | -26 | -15 | -22 | 6 | 46 | 0 | 47 |
| 460 | 73 | 53 | -9 | -24 | -14 | -22 | 6 | 47 | 0 | 47 |
| 461 | 74 | 13 | -10 | -26 | -14 | -23 | 7 | 46 | 0 | 46 |
| 462 | 74 | 33 | -10 | -25 | -14 | -23 | 6 | 48 | 0 | 47 |
| 463 | 74 | 53 | -10 | -27 | -15 | -23 | 6 | 46 | 0 | 47 |
| 464 | 75 | 14 | -9 | -26 | -14 | -23 | 6 | 48 | 0 | 48 |
| 465 | 75 | 34 | -10 | -24 | -14 | -22 | 6 | 48 | 0 | 48 |
| 466 | 75 | 54 | -11 | -26 | -11 | -22 | 5 | 48 | 1 | 50 |

| -01 SWEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-21 ENG.1 COMPT UPPER FWD AIRTMP DEG.C | 6-22 ENG.1 COMPT LOWER FWD AIRTMP DEG.C | 6-23 ENG.1 COMPT UPPER AFT AIRTMP DEG.C | 6-24 ENG.1 COMPT LOWER AFT AIRTMP DEG.C | 6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C | 5-26 ENG.1 ACCESS G.BOX (F FR) TEMP DEG.C | 6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C | 6-28 ENG.2 ACCESS G.BOX (F FR) TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|---|---|---|---|---|
| 467 | 76 | 14 | -10 | -26 | -10 | -31 | 7 | 49 | 1 | 50 |
| 468 | 76 | 34 | -8 | -25 | -11 | -22 | 7 | 48 | 1 | 48 |
| 469 | 76 | 54 | -8 | -24 | -13 | -22 | 7 | 47 | 0 | 47 |
| 470 | 77 | 15 | -8 | -23 | -12 | -20 | 7 | 49 | 0 | 48 |
| 471 | 77 | 35 | -10 | -24 | -14 | -22 | 7 | 48 | 1 | 47 |
| 472 | 77 | 55 | -10 | -24 | -14 | -20 | 7 | 48 | 2 | 50 |
| 473 | 78 | 15 | -10 | -24 | -14 | -24 | 6 | 46 | 1 | 46 |
| 474 | 78 | 35 | -10 | -29 | -14 | -24 | 6 | 46 | 1 | 49 |
| 475 | 78 | 56 | -10 | -30 | -16 | -25 | 5 | 47 | 1 | 46 |
| 476 | 79 | 16 | -12 | -29 | -15 | -24 | 6 | 48 | 1 | 49 |
| 477 | 79 | 36 | -10 | -15 | -11 | -24 | 8 | 50 | 3 | 52 |
| 478 | 79 | 56 | -10 | -12 | -9 | -10 | 9 | 51 | 3 | 51 |
| 479 | 80 | 17 | -9 | -22 | -11 | -20 | 8 | 49 | 2 | 50 |
| 480 | 80 | 37 | -10 | -12 | -9 | -11 | 9 | 50 | 3 | 52 |
| 481 | 80 | 57 | -10 | -17 | -8 | -14 | 9 | 50 | 4 | 52 |
| 482 | 81 | 17 | -8 | -26 | -9 | -23 | 7 | 49 | 4 | 51 |
| 483 | 81 | 38 | -10 | -31 | -14 | -23 | 8 | 47 | 3 | 49 |
| 484 | 81 | 58 | -14 | -28 | -14 | -24 | 7 | 48 | 3 | 51 |
| 485 | 82 | 18 | -12 | -24 | 2 | -22 | 8 | 49 | 4 | 50 |
| 486 | 82 | 39 | -7 | -20 | 0 | -18 | 9 | 52 | 4 | 50 |
| 487 | 82 | 59 | -6 | -12 | 24 | -12 | 10 | 53 | 4 | 45 |
| 488 | 83 | 19 | -3 | -8 | 32 | -10 | 11 | 55 | 5 | 46 |
| 489 | 83 | 40 | -8 | -8 | 29 | -10 | 11 | 50 | 5 | 46 |
| 490 | 84 | 0 | -4 | -12 | 26 | -12 | 11 | 58 | 4 | 44 |
| 491 | 84 | 20 | -2 | -12 | 26 | -12 | 11 | 58 | 4 | 44 |
| 492 | 84 | 40 | -1 | -18 | 29 | -11 | 11 | 59 | 6 | 43 |
| 493 | 85 | 0 | -1 | -9 | 28 | -10 | 11 | 59 | 4 | 44 |
| 494 | 85 | 21 | -2 | -8 | 26 | -10 | 12 | 59 | 4 | 45 |
| 495 | 85 | 41 | -2 | -9 | 24 | -10 | 12 | 61 | 5 | 47 |
| 496 | 86 | 1 | 0 | -8 | 27 | -9 | 12 | 61 | 5 | 48 |
| 497 | 86 | 21 | 0 | -9 | 24 | -9 | 12 | 60 | 5 | 48 |
| 498 | 86 | 42 | -1 | -11 | 22 | -10 | 12 | 59 | 5 | 48 |
| 499 | 87 | 2 | -2 | -10 | 25 | -10 | 12 | 61 | 5 | 48 |
| 500 | 87 | 22 | -2 | -9 | 23 | -18 | 12 | 60 | 5 | 49 |
| 501 | 87 | 43 | -4 | -12 | 19 | -12 | 11 | 59 | 4 | 49 |
| 502 | 88 | 3 | -4 | -12 | 17 | -13 | 11 | 59 | 4 | 50 |
| 503 | 88 | 23 | -2 | -12 | 16 | -12 | 12 | 60 | 4 | 49 |
| 504 | 88 | 44 | -3 | -11 | 20 | -12 | 12 | 59 | 5 | 49 |
| 505 | 89 | 4 | -3 | -11 | 21 | -12 | 12 | 59 | 5 | 51 |
| 506 | 89 | 24 | -2 | -11 | 21 | -11 | 12 | 60 | 5 | 50 |
| 507 | 89 | 45 | -3 | -10 | 21 | -11 | 12 | 59 | 5 | 51 |
| 508 | 90 | 5 | 0 | -10 | 26 | -9 | 12 | 60 | 5 | 51 |
| 509 | 90 | 25 | 0 | -8 | 24 | -9 | 12 | 60 | 6 | 52 |
| 510 | 90 | 45 | -1 | -11 | 18 | -10 | 13 | 60 | 6 | 52 |
| 511 | 91 | 6 | -1 | -10 | 20 | -10 | 12 | 60 | 6 | 54 |
| 512 | 91 | 26 | -1 | -10 | 18 | -18 | 12 | 61 | 6 | 52 |
| 513 | 91 | 47 | -1 | -13 | 15 | -12 | 12 | 61 | 5 | 52 |
| 514 | 92 | 7 | -1 | -10 | 19 | -10 | 12 | 60 | 5 | 51 |
| 515 | 92 | 28 | 0 | -16 | 20 | -10 | 12 | 60 | 5 | 51 |
| 516 | 92 | 48 | -1 | -8 | 24 | -9 | 12 | 60 | 5 | 50 |

SHIP
NOV

| SHIP | MIN. | 6-22 TIME | 6-23 TIME | 6-24 TIME | 6-25 TIME | 6-26 TIME | 6-27 TIME | 6-28 TIME |
|------|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 517 | 23 | 9 | 9 | 9 | 12 | 60 | 5 | 51 |
| 518 | 33 | 33 | 0 | -8 | 13 | 61 | 6 | 51 |
| 519 | 35 | 20 | 0 | -8 | 13 | 59 | 7 | 53 |
| 520 | 36 | 10 | 0 | -8 | 14 | 60 | 8 | 52 |
| 521 | 36 | 31 | 0 | -8 | 13 | 60 | 7 | 53 |
| 522 | 36 | 51 | 1 | -9 | 14 | 61 | 7 | 53 |
| 523 | 37 | 12 | -0 | -11 | 12 | 60 | 6 | 53 |
| 524 | 37 | 33 | -0 | -12 | 13 | 60 | 6 | 53 |
| 525 | 37 | 33 | -0 | -10 | 13 | 60 | 7 | 52 |
| 526 | 38 | 14 | -0 | -9 | 14 | 61 | 7 | 52 |
| 527 | 38 | 34 | -0 | -9 | 14 | 60 | 7 | 52 |
| 528 | 38 | 55 | -1 | -11 | 14 | 61 | 7 | 52 |
| 529 | 39 | 16 | 0 | -11 | 14 | 61 | 7 | 51 |
| 530 | 39 | 36 | -1 | -10 | 14 | 59 | 7 | 49 |
| 531 | 39 | 57 | 0 | -11 | 14 | 61 | 7 | 51 |
| 532 | 40 | 17 | -5 | -16 | 13 | 60 | 5 | 48 |
| 533 | 40 | 38 | -7 | -18 | 13 | 60 | 5 | 48 |
| 534 | 40 | 58 | -9 | -20 | 12 | 59 | 4 | 46 |
| 535 | 41 | 19 | -10 | -18 | 12 | 58 | 3 | 47 |
| 536 | 41 | 39 | -10 | -18 | 12 | 58 | 3 | 46 |
| 537 | 42 | 0 | -10 | -20 | 12 | 58 | 3 | 46 |
| 538 | 42 | 20 | -9 | -19 | 12 | 58 | 3 | 47 |
| 539 | 42 | 41 | -10 | -21 | 12 | 58 | 3 | 45 |
| 540 | 43 | 1 | -10 | -16 | 12 | 57 | 2 | 44 |
| 541 | 43 | 22 | -12 | -18 | 12 | 56 | 1 | 41 |
| 542 | 43 | 42 | -12 | -14 | 13 | 56 | 1 | 41 |
| 543 | 43 | 3 | -12 | -18 | 12 | 55 | 1 | 43 |
| 544 | 44 | 23 | -11 | -19 | 12 | 55 | 1 | 44 |
| 545 | 44 | 44 | -11 | -20 | 12 | 56 | 1 | 43 |
| 546 | 45 | 4 | -10 | -19 | 12 | 56 | 1 | 44 |
| 547 | 45 | 25 | -9 | -18 | 12 | 56 | 1 | 44 |
| 548 | 45 | 45 | -10 | -19 | 12 | 56 | 1 | 44 |
| 549 | 46 | 6 | -10 | -20 | 12 | 56 | 1 | 42 |
| 550 | 46 | 26 | -10 | -18 | 12 | 56 | 0 | 41 |
| 551 | 46 | 47 | -11 | -18 | 12 | 56 | 1 | 42 |
| 552 | 47 | 7 | -9 | -18 | 11 | 56 | 0 | 42 |
| 553 | 47 | 28 | -10 | -20 | 11 | 56 | 1 | 44 |
| 554 | 47 | 48 | -10 | -19 | 12 | 56 | 0 | 43 |
| 555 | 48 | 8 | -10 | -19 | 11 | 55 | 0 | 43 |
| 556 | 48 | 28 | -10 | -19 | 11 | 55 | 0 | 43 |
| 557 | 48 | 49 | -11 | -20 | 11 | 55 | 0 | 42 |
| 558 | 49 | 10 | -12 | -20 | 11 | 55 | 0 | 41 |
| 559 | 49 | 30 | -10 | -20 | 11 | 55 | 0 | 43 |
| 560 | 49 | 51 | -11 | -20 | 11 | 55 | 0 | 43 |
| 561 | 49 | 11 | -11 | -20 | 11 | 55 | 0 | 43 |
| 562 | 49 | 32 | -12 | -21 | 11 | 55 | -0 | 42 |
| 563 | 49 | 52 | -11 | -20 | 11 | 55 | -0 | 43 |
| 564 | 49 | 13 | -11 | -21 | 11 | 56 | 0 | 43 |
| 565 | 49 | 33 | -12 | -21 | 11 | 55 | -1 | 42 |
| 566 | 49 | 54 | -13 | -19 | 11 | 55 | -0 | 42 |

| -01 SWEEP COUNT | 6-02 | | 6-03 | | 6-21 | | 6-22 | | 6-23 | | 6-24 | | 6-25 | | 6-26 | | 6-27 | | 6-28 | |
|-----------------------|--------------|------|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | TIME MIN. | SEC. | ENG.1 COMPT UPPER FWD AIRTMP DEG.C | ENG.1 COMPT LOWER FWD AIRTMP DEG.C | ENG.1 COMPT UPPER AFT AIRTMP DEG.C | ENG.1 COMPT LOWER AFT AIRTMP DEG.C | ENG.1 ACCESS (S-BOX (F FR) TEMP DEG.C | ENG.1 ACCESS (S-BOX (F FR) TEMP DEG.C | ENG.1 ACCESS (S-BOX (F FR) TEMP DEG.C | ENG.1 ACCESS (S-BOX (F FR) TEMP DEG.C | ENG.1 ACCESS (S-BOX (F FR) TEMP DEG.C | ENG.1 ACCESS (S-BOX (F FR) TEMP DEG.C | ENG.1 ACCESS (S-BOX (F FR) TEMP DEG.C | ENG.1 ACCESS (S-BOX (F FR) TEMP DEG.C | ENG.1 ACCESS (S-BOX (F FR) TEMP DEG.C | ENG.1 ACCESS (S-BOX (F FR) TEMP DEG.C | ENG.1 ACCESS (S-BOX (F FR) TEMP DEG.C | ENG.1 ACCESS (S-BOX (F FR) TEMP DEG.C | ENG.1 ACCESS (S-BOX (F FR) TEMP DEG.C | ENG.1 ACCESS (S-BOX (F FR) TEMP DEG.C |
| 567 | 112 | 14 | -10 | -20 | 15 | -20 | 15 | -20 | 15 | -20 | -20 | 10 | 55 | -1 | 41 | | | | | |
| 568 | 112 | 35 | -9 | -14 | 15 | -14 | 15 | -14 | 15 | -14 | -18 | 11 | * | * | 42 | | | | | |
| 569 | 112 | 55 | -11 | -20 | 14 | -20 | 14 | -20 | 14 | -19 | -19 | 10 | 55 | -1 | 42 | | | | | |
| 570 | 113 | 16 | -12 | -20 | 12 | -20 | 12 | -20 | 11 | -21 | -21 | 9 | 55 | -1 | 42 | | | | | |
| 571 | 113 | 36 | -13 | -22 | 11 | -22 | 11 | -22 | 11 | -22 | -22 | 9 | 55 | -1 | 42 | | | | | |
| 572 | 113 | 56 | -11 | -21 | 12 | -21 | 12 | -21 | 12 | -20 | -20 | 10 | 55 | -2 | 42 | | | | | |
| 573 | 114 | 17 | -10 | -19 | 14 | -19 | 14 | -19 | 14 | -19 | -19 | 11 | 55 | -0 | 42 | | | | | |
| 574 | 114 | 37 | -11 | -20 | 14 | -20 | 14 | -20 | 14 | -20 | -20 | 11 | 56 | -2 | 42 | | | | | |
| 575 | 114 | 57 | -10 | -18 | 15 | -18 | 15 | -18 | 14 | -19 | -19 | 10 | 55 | -0 | 42 | | | | | |
| 576 | 115 | 18 | -11 | -20 | 13 | -20 | 13 | -20 | 13 | -20 | -20 | 9 | 54 | -2 | 41 | | | | | |
| 577 | 115 | 38 | -11 | -20 | 13 | -20 | 13 | -20 | 13 | -19 | -19 | 10 | 55 | -0 | 42 | | | | | |
| 578 | 115 | 58 | -13 | -21 | 12 | -21 | 12 | -21 | 12 | -21 | -21 | 9 | 54 | -0 | 41 | | | | | |
| 579 | 116 | 19 | -11 | -21 | 14 | -21 | 14 | -21 | 14 | -21 | -21 | 9 | 55 | -0 | 42 | | | | | |
| 580 | 116 | 39 | -11 | -20 | 14 | -20 | 14 | -20 | 14 | -20 | -20 | 9 | 54 | -2 | 41 | | | | | |
| 581 | 116 | 59 | -10 | -20 | 14 | -20 | 14 | -20 | 14 | -20 | -20 | 10 | 55 | -2 | 42 | | | | | |
| 582 | 117 | 20 | -11 | -20 | 15 | -20 | 15 | -20 | 15 | -20 | -20 | 9 | 54 | -2 | 41 | | | | | |
| 583 | 117 | 40 | -11 | -16 | 18 | -16 | 18 | -16 | 18 | -16 | -16 | 11 | 55 | -2 | 42 | | | | | |
| 584 | 118 | 0 | -11 | -19 | 17 | -19 | 17 | -19 | 17 | -19 | -19 | 9 | 54 | -2 | 41 | | | | | |
| 585 | 118 | 21 | -10 | -16 | 17 | -16 | 17 | -16 | 17 | -19 | -19 | 9 | 55 | -1 | 41 | | | | | |
| 586 | 118 | 41 | -11 | -20 | 15 | -20 | 15 | -20 | 15 | -19 | -19 | 9 | 55 | -2 | 39 | | | | | |
| 587 | 119 | 2 | -10 | -16 | 15 | -16 | 15 | -16 | 15 | -17 | -17 | 9 | 55 | -0 | 42 | | | | | |
| 588 | 119 | 22 | -10 | -20 | 10 | -20 | 10 | -20 | 10 | -19 | -19 | 9 | 54 | -0 | 44 | | | | | |
| 589 | 119 | 42 | -11 | -20 | 11 | -20 | 11 | -20 | 11 | -18 | -18 | 9 | 55 | -0 | 45 | | | | | |
| 590 | 120 | 3 | -11 | -20 | 9 | -20 | 9 | -20 | 9 | -20 | -20 | 8 | 54 | -1 | 43 | | | | | |
| 591 | 120 | 23 | -11 | -22 | 11 | -22 | 11 | -22 | 11 | -20 | -20 | 10 | 55 | -2 | 44 | | | | | |
| 592 | 120 | 44 | -11 | -21 | 12 | -21 | 12 | -21 | 12 | -19 | -19 | 9 | 55 | -1 | 44 | | | | | |
| 593 | 121 | 4 | -12 | -22 | 12 | -22 | 12 | -22 | 12 | -20 | -20 | 9 | 56 | -1 | 42 | | | | | |
| 594 | 121 | 24 | -10 | -20 | 13 | -20 | 13 | -20 | 13 | -20 | -20 | 10 | 55 | -1 | 41 | | | | | |
| 595 | 121 | 45 | -10 | -19 | 15 | -19 | 15 | -19 | 15 | -20 | -20 | 9 | 54 | -2 | 41 | | | | | |
| 596 | 122 | 5 | -9 | -18 | 17 | -18 | 17 | -18 | 17 | -18 | -18 | 11 | 55 | -2 | 41 | | | | | |
| 597 | 122 | 25 | -8 | -19 | 16 | -19 | 16 | -19 | 16 | -18 | -18 | 10 | 55 | -1 | 42 | | | | | |
| 598 | 122 | 46 | -10 | -19 | 15 | -19 | 15 | -19 | 15 | -19 | -19 | 9 | 55 | -1 | 42 | | | | | |
| 599 | 123 | 6 | -10 | -14 | 15 | -14 | 15 | -14 | 15 | -16 | -16 | 9 | 55 | -2 | 41 | | | | | |
| 0 | 123 | 47 | -9 | -17 | 17 | -17 | 17 | -17 | 17 | -18 | -18 | 10 | 56 | -1 | 42 | | | | | |
| 601 | 124 | 7 | -9 | -18 | 17 | -18 | 17 | -18 | 17 | -18 | -18 | 9 | 55 | -2 | 41 | | | | | |
| 602 | 124 | 27 | -7 | -14 | 22 | -14 | 22 | -14 | 22 | -14 | -14 | 11 | 57 | -0 | 41 | | | | | |
| 603 | 124 | 40 | -6 | -12 | 25 | -12 | 25 | -12 | 25 | -13 | -13 | 11 | 56 | -0 | 42 | | | | | |
| 604 | 125 | 8 | -6 | -13 | 25 | -13 | 25 | -13 | 25 | -14 | -14 | 10 | 55 | -0 | 42 | | | | | |
| 605 | 125 | 28 | -3 | -11 | 27 | -11 | 27 | -11 | 27 | -10 | -10 | 11 | 56 | -0 | 42 | | | | | |
| 606 | 125 | 49 | -3 | -10 | 28 | -10 | 28 | -10 | 28 | -10 | -10 | 11 | 56 | 0 | 43 | | | | | |
| 607 | 126 | 9 | -2 | -10 | 28 | -10 | 28 | -10 | 28 | -10 | -10 | 11 | 57 | 0 | 43 | | | | | |
| 608 | 126 | 29 | -2 | -8 | 27 | -8 | 27 | -8 | 27 | -9 | -9 | 11 | 56 | 0 | 42 | | | | | |
| 609 | 126 | 50 | -2 | -6 | 30 | -6 | 30 | -6 | 30 | -9 | -9 | 11 | 55 | 0 | 42 | | | | | |
| 610 | 127 | 10 | -2 | -6 | 29 | -6 | 29 | -6 | 29 | -8 | -8 | 11 | 56 | 1 | 45 | | | | | |
| 611 | 127 | 30 | -1 | -8 | 24 | -8 | 24 | -8 | 24 | -8 | -8 | 12 | 56 | 1 | 48 | | | | | |
| 612 | 127 | 51 | 0 | -8 | 21 | -8 | 21 | -8 | 21 | -8 | -8 | 11 | 58 | 2 | 49 | | | | | |
| 613 | 128 | 11 | -0 | -10 | 18 | -10 | 18 | -10 | 18 | -8 | -8 | 11 | 57 | 2 | 50 | | | | | |
| 614 | 128 | 31 | 0 | -9 | 18 | -9 | 18 | -9 | 18 | -7 | -7 | 11 | 58 | 3 | 50 | | | | | |
| 615 | 128 | 52 | 0 | -10 | 18 | -10 | 18 | -10 | 18 | -7 | -7 | 11 | 59 | 3 | 51 | | | | | |
| 616 | 129 | 12 | -0 | -11 | 24 | -11 | 24 | -11 | 24 | -10 | -10 | 11 | 58 | 3 | 48 | | | | | |

| TIME | 6-23 | 6-24 | 6-25 | 6-26 | 6-27 | 6-28 |
|------|-------------------------------------|-------------------------------------|--------------------------------|---------------------------------|--------------------------------------|---------------------------------------|
| 129 | ENG.1 COMPRT UPPER FWD AIRTMP DEG.C | ENG.1 COMPRT LOWER AFT AIRTMP DEG.C | ENG.1 ACCESS (STAT) TEMP DEG.C | ENG.1 ACCESS (F FRI) TEMP DEG.C | ENG.2 ACCESS G.BOX (SIRT) TEMP DEG.C | ENG.2 ACCESS G.BOX (F FRI) TEMP DEG.C |
| 129 | -2 | -10 | 12 | 59 | 2 | 45 |
| 129 | -2 | 26 | 12 | 59 | 2 | 44 |
| 130 | -2 | 25 | 12 | 58 | 2 | 44 |
| 130 | -2 | 22 | 12 | 58 | 2 | 42 |
| 130 | -2 | 17 | 12 | 58 | 1 | 41 |
| 130 | -8 | -1 | 11 | 53 | 1 | 44 |
| 131 | -15 | -19 | 11 | 53 | 1 | 44 |
| 131 | -11 | -24 | 11 | 53 | 1 | 48 |
| 131 | -10 | -23 | 11 | 54 | 2 | 50 |
| 131 | -8 | -22 | 11 | 55 | 4 | 51 |
| 132 | -7 | -22 | 11 | 53 | 2 | 50 |
| 132 | -8 | -22 | 11 | 52 | 2 | 51 |
| 133 | -8 | -27 | 11 | 51 | 2 | 49 |
| 133 | -8 | -10 | 10 | 51 | 3 | 51 |
| 133 | -10 | -12 | 10 | 51 | 2 | 50 |
| 134 | -8 | -24 | 11 | 51 | 3 | 49 |
| 134 | -12 | -24 | 11 | 51 | 5 | 49 |
| 134 | -10 | -13 | 10 | 50 | 3 | 48 |
| 134 | -10 | -13 | 10 | 50 | 2 | 48 |
| 135 | -8 | -24 | 10 | 49 | 3 | 48 |
| 135 | -8 | -23 | 12 | 49 | 4 | 49 |
| 135 | -9 | -24 | 10 | 48 | 3 | 48 |
| 136 | -10 | -27 | 11 | 49 | 4 | 48 |
| 136 | -12 | -28 | 11 | 49 | 3 | 45 |
| 136 | -13 | -18 | 11 | 52 | 3 | 41 |
| 137 | -14 | -20 | 11 | 51 | 1 | 48 |
| 137 | -17 | -20 | 11 | 50 | 1 | 37 |
| 137 | -15 | -15 | 11 | 51 | 1 | 39 |
| 138 | -8 | -11 | 13 | 52 | 2 | 42 |
| 138 | -8 | 18 | 13 | 53 | 3 | 44 |
| 138 | -4 | 23 | 11 | 53 | 3 | 44 |
| 139 | -3 | 24 | 11 | 55 | 3 | 46 |
| 139 | -4 | 25 | 12 | 56 | 4 | 44 |
| 139 | -5 | 19 | 12 | 56 | 4 | 45 |
| 140 | -10 | -14 | 12 | 54 | 2 | 41 |
| 140 | -15 | -13 | 11 | 52 | 0 | 40 |
| 140 | -14 | -12 | 10 | 51 | 1 | 45 |
| 141 | -11 | -25 | 9 | 51 | 2 | 46 |
| 141 | -11 | -12 | 11 | 51 | 2 | 50 |
| 141 | -9 | -9 | 12 | 53 | 3 | 51 |
| 142 | -13 | -12 | 10 | 51 | 2 | 51 |
| 142 | -11 | -19 | 11 | 51 | 4 | 52 |
| 142 | -10 | -20 | 11 | 51 | 4 | 52 |
| 143 | -9 | -18 | 12 | 51 | 6 | 53 |
| 143 | -10 | -17 | 12 | 50 | 5 | 53 |
| 143 | -10 | -17 | 12 | 49 | 4 | 52 |
| 143 | -9 | -19 | 12 | 48 | 4 | 52 |
| 144 | -14 | -14 | 11 | 48 | 5 | 51 |
| 144 | -14 | -23 | 10 | 46 | 5 | 51 |
| 144 | -14 | -23 | 11 | 46 | 5 | 48 |
| 145 | -15 | -24 | 11 | 45 | 5 | 48 |
| 145 | -15 | -27 | 10 | 44 | 5 | 47 |
| 145 | -15 | -27 | 10 | 44 | 5 | 47 |
| 145 | -14 | -24 | 10 | 43 | 5 | 46 |
| 146 | -14 | -19 | 11 | 42 | 5 | 46 |

| -01 SWEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-21 ENG-1 COMPT UPPER FWD AIRTMP DEG.C | 6-22 ENG-1 COMPT LOWER FWD AIRTMP DEG.C | 6-23 ENG-1 COMPT UPPER AFT AIRTMP DEG.C | 6-24 ENG-1 COMPT LOWER AFT AIRTMP DEG.C | 6-25 ENG-1 ACCESS G-BOX (STRT) TEMP DEG.C | 6-26 ENG-1 ACCESS G-BOX (F FR) TEMP DEG.C | 6-27 ENG-2 ACCESS G-BOX (STRT) TEMP DEG.C | 6-28 ENG-2 ACCESS G-BOX (F FR) TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|---|---|---|---|---|
| 667 | 145 | 25 | -15 | -31 | -21 | -25 | 9 | 41 | 5 | 45 |
| 668 | 145 | 46 | -16 | -31 | -20 | -25 | 9 | 40 | 5 | 45 |
| 669 | 147 | 6 | -17 | -30 | -21 | -24 | 9 | 40 | 5 | 45 |
| 670 | 147 | 26 | -18 | -30 | -22 | -27 | 9 | 40 | 4 | 42 |
| 671 | 147 | 46 | -18 | -31 | -22 | -26 | 9 | 39 | 5 | 42 |
| 672 | 148 | 6 | -17 | -30 | -22 | -28 | 8 | 39 | 5 | 41 |
| 673 | 148 | 23 | -20 | -29 | -23 | -27 | 9 | 39 | 4 | 38 |
| 674 | 148 | 47 | -21 | -29 | -22 | -27 | 9 | 39 | 5 | 41 |
| 675 | 149 | 7 | -24 | -28 | -22 | -25 | 9 | 39 | 5 | 42 |
| 676 | 149 | 27 | -23 | -28 | -22 | -26 | 9 | 38 | 5 | 42 |
| 677 | 149 | 47 | -21 | -29 | -22 | -26 | 9 | 38 | 5 | 42 |
| 678 | 150 | 8 | -20 | -29 | -22 | -26 | 8 | 38 | 5 | 42 |
| 679 | 150 | 28 | -21 | -29 | -22 | -26 | 9 | 37 | 5 | 42 |
| 680 | 150 | 48 | -23 | -29 | -22 | -27 | 8 | 37 | 5 | 43 |
| 681 | 151 | 8 | -22 | -30 | -22 | -27 | 8 | 36 | 5 | 42 |
| 682 | 151 | 29 | -22 | -29 | -22 | -26 | 8 | 36 | 5 | 42 |
| 683 | 151 | 49 | -22 | -28 | -22 | -26 | 8 | 36 | 5 | 42 |
| 684 | 152 | 9 | -21 | -28 | -22 | -25 | 8 | 36 | 5 | 42 |
| 685 | 152 | 30 | -21 | -27 | -21 | -24 | 8 | 37 | 5 | 42 |
| 686 | 152 | 50 | -20 | -26 | -20 | -23 | 8 | 36 | 5 | 42 |
| 687 | 153 | 10 | -20 | -27 | -20 | -24 | 8 | 36 | 5 | 42 |
| 688 | 153 | 30 | -19 | -28 | -22 | -24 | 8 | 36 | 5 | 42 |
| 689 | 153 | 50 | -19 | -29 | -22 | -25 | 8 | 36 | 5 | 42 |
| 690 | 154 | 11 | -19 | -29 | -22 | -26 | 8 | 36 | 5 | 42 |
| 691 | 154 | 31 | -19 | -29 | -22 | -26 | 7 | 36 | 5 | 41 |
| 692 | 154 | 51 | * | * | -34 | -37 | 0 | 31 | 1 | 39 |
| 693 | 155 | 11 | -20 | -31 | -22 | -27 | 7 | 39 | 6 | 41 |
| 694 | 155 | 32 | -20 | -31 | -22 | -27 | 7 | 37 | 6 | 41 |
| 695 | 155 | 52 | -20 | -30 | -22 | -26 | 7 | 41 | 7 | 42 |
| 696 | 156 | 12 | -20 | -30 | -21 | -27 | 7 | 38 | 8 | 42 |
| 697 | 156 | 33 | -20 | -29 | -22 | -26 | 7 | 51 | 8 | 41 |
| 698 | 156 | 53 | -21 | -30 | -22 | -25 | 7 | 40 | 8 | 40 |
| 699 | 157 | 13 | -22 | -31 | -23 | -27 | 7 | 44 | 8 | 39 |
| 700 | 157 | 54 | -17 | -33 | -9 | -20 | 8 | 38 | 8 | 36 |
| 701 | 158 | 14 | -6 | -34 | 15 | -28 | 9 | 38 | 8 | 35 |
| 702 | 158 | 34 | 0 | -34 | 22 | -25 | 9 | 37 | 8 | 34 |
| 703 | 158 | 54 | 0 | -34 | 22 | -26 | 9 | 36 | 8 | 32 |

HR-61C S/N 68-10354
 ARCTIC TEST
 15 JANUARY 1971
 RUN NO. 3 -40 DFG C/ -40 DEG F

| SLEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-05 ENG.1 IGNIT EXCITR MOUNT TEHP DEG.C | 7-06 ENG.1 IGNIT EXCITR IMBO DEG.C | 7-07 ENG.1 IGNIT EXCITR SKIN OUTRD DEG.C | 7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C | 7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C | 7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C | 7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C | 7-13 ENG.1 COMPRS CSE STG.3 4.30 DEG.C | 7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C | 7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C |
|----------------|----------------------|----------------------|--|---|--|--|--|--|--|--|--|--|
| 272 | 11 | 42 | -27 | -28 | -27 | -28 | -27 | -28 | -27 | -28 | -27 | -28 |
| 273 | 12 | 27 | -27 | -27 | -27 | -27 | -27 | -28 | -27 | -28 | -28 | -28 |
| 274 | 12 | 21 | -26 | -27 | -27 | -27 | -28 | -28 | -28 | -28 | -28 | -28 |
| 275 | 12 | 40 | * | * | * | * | * | * | * | * | * | * |
| 276 | 12 | 59 | -26 | -27 | -27 | -28 | -28 | -27 | -27 | -27 | -27 | -27 |
| 277 | 13 | 19 | -26 | -27 | -27 | -27 | -28 | -28 | -27 | -27 | -27 | -27 |
| 278 | 13 | 38 | -26 | -27 | -27 | -26 | -27 | -28 | -27 | -27 | -27 | -27 |
| 279 | 13 | 58 | -26 | -27 | -26 | -26 | -27 | -28 | -27 | -27 | -27 | -27 |
| 280 | 14 | 17 | -26 | -27 | -27 | -27 | -28 | -28 | -27 | -27 | -27 | -27 |
| 281 | 14 | 37 | -26 | -27 | -27 | -27 | -28 | -28 | -27 | -27 | -27 | -27 |
| 282 | 14 | 56 | -26 | -27 | -26 | -27 | -28 | -28 | -27 | -27 | -27 | -27 |
| 283 | 15 | 16 | -26 | -27 | -27 | -27 | -28 | -28 | -27 | -27 | -27 | -27 |
| 284 | 15 | 35 | -27 | -27 | -27 | -27 | -28 | -28 | -26 | -27 | -28 | -28 |
| 285 | 15 | 55 | -26 | -27 | -26 | -27 | -28 | -28 | -26 | -27 | -28 | -28 |
| 286 | 16 | 14 | -26 | -27 | -26 | -28 | -28 | -28 | -27 | -27 | -28 | -28 |
| 287 | 16 | 34 | -26 | -27 | -27 | -28 | -28 | -28 | -26 | -26 | -28 | -28 |
| 288 | 16 | 53 | -26 | -27 | -27 | -28 | -28 | -28 | -27 | -27 | -28 | -28 |
| 289 | 17 | 12 | -27 | -27 | -27 | -28 | -28 | -28 | -27 | -27 | -28 | -28 |
| 290 | 17 | 32 | -26 | -27 | -27 | -27 | -28 | -28 | -26 | -27 | -28 | -28 |
| 291 | 17 | 51 | -26 | -27 | -27 | -27 | -28 | -28 | -26 | -27 | -28 | -28 |
| 292 | 18 | 11 | -26 | -27 | -27 | -26 | -27 | -28 | -27 | -27 | -28 | -28 |
| 293 | 18 | 30 | -26 | -27 | -27 | -26 | -27 | -28 | -27 | -27 | -28 | -28 |
| 294 | 18 | 49 | -27 | -27 | -27 | -28 | -28 | -28 | -27 | -27 | -28 | -28 |
| 295 | 19 | 9 | -27 | -27 | -27 | -28 | -28 | -28 | -27 | -27 | -28 | -28 |
| 296 | 19 | 28 | -26 | -27 | -27 | -28 | -28 | -28 | -27 | -27 | -28 | -28 |
| 297 | 19 | 47 | -27 | -27 | -27 | -28 | -28 | -28 | -28 | -28 | -28 | -28 |
| 298 | 20 | 7 | -27 | -27 | -27 | -28 | -28 | -28 | -28 | -28 | -28 | -28 |
| 299 | 20 | 26 | -27 | -27 | -27 | -28 | -28 | -28 | -27 | -27 | -28 | -28 |
| 300 | 20 | 46 | -27 | -28 | -27 | -28 | -28 | -28 | -28 | -28 | -28 | -28 |
| 301 | 21 | 5 | -27 | -27 | -27 | -28 | -28 | -28 | -28 | -28 | -28 | -28 |
| 302 | 21 | 24 | -27 | -28 | -27 | -29 | -28 | -29 | -28 | -28 | -28 | -28 |
| 303 | 21 | 44 | -27 | -28 | -26 | -28 | -29 | -28 | -28 | -27 | -28 | -28 |
| 304 | 22 | 3 | -27 | -28 | -27 | -28 | -28 | -29 | -27 | -28 | -28 | -28 |
| 305 | 22 | 23 | -27 | -28 | -28 | -28 | -29 | -29 | -28 | -28 | -28 | -28 |
| 306 | 22 | 42 | -28 | -28 | -28 | -28 | -29 | -29 | -28 | -28 | -28 | -28 |
| 307 | 23 | 2 | -28 | -28 | -28 | -29 | -29 | -29 | -28 | -28 | -28 | -28 |
| 308 | 23 | 21 | -28 | -28 | -28 | -29 | -29 | -29 | -28 | -28 | -28 | -28 |
| 309 | 23 | 40 | -28 | -28 | -28 | -29 | -29 | -29 | -29 | -29 | -29 | -29 |
| 310 | 24 | 0 | -28 | -28 | -28 | -29 | -29 | -29 | -29 | -29 | -29 | -29 |
| 311 | 24 | 19 | -28 | -28 | -28 | -29 | -29 | -29 | -28 | -28 | -28 | -28 |
| 312 | 24 | 39 | -28 | -28 | -28 | -29 | -29 | -29 | -28 | -28 | -28 | -28 |
| 313 | 24 | 58 | -28 | -28 | -28 | -29 | -29 | -29 | -28 | -28 | -28 | -28 |
| 314 | 25 | 18 | -28 | -28 | -28 | -29 | -29 | -29 | -28 | -28 | -28 | -28 |
| 315 | 25 | 37 | -28 | -28 | -28 | -29 | -29 | -29 | -28 | -28 | -28 | -28 |
| 316 | 25 | 57 | -28 | -28 | -28 | -29 | -29 | -29 | -28 | -28 | -28 | -28 |

| SWEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C | 7-06 ENG.1 IGNIT EXCITR SKIN IMBO DEG.C | 7-07 ENG.1 IGNIT EXCITR SKIN OUTBO DEG.C | 7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C | 7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C | 7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C | 7-11 ENG.1 COMPRS CSE STG.2 4.30 DEG.C | 7-13 ENG.1 COMPRS CSE STG.3 4.30 DEG.C | 7-14 ENG.1 COMPRS CSE STG.3 6.00 DEG.C | 7-15 ENG.1 COMPRS CSE STG.4 3.00 DEG.C |
|----------------|----------------------|----------------------|--|---|--|--|--|--|--|--|--|--|
| 317 | 26 | 16 | -28 | -29 | -28 | -28 | -29 | -30 | -28 | -28 | -28 | -29 |
| 318 | 26 | 36 | -28 | -28 | -28 | -29 | -29 | -29 | -28 | -28 | -29 | -28 |
| 319 | 26 | 56 | -28 | -28 | -28 | -29 | -29 | -29 | -28 | -28 | -29 | -29 |
| 320 | 27 | 15 | -28 | -29 | -28 | -29 | -29 | -29 | -29 | -28 | -29 | -29 |
| 321 | 27 | 35 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -28 | -29 | -29 |
| 322 | 27 | 54 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -28 | -29 | -29 |
| 323 | 28 | 14 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -28 | -29 | -29 |
| 324 | 28 | 34 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 325 | 28 | 53 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 326 | 29 | 13 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 327 | 29 | 33 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 328 | 29 | 52 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 329 | 30 | 12 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 330 | 30 | 32 | -29 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 331 | 30 | 51 | -29 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 332 | 31 | 11 | -29 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 333 | 31 | 31 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 334 | 31 | 50 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 335 | 32 | 10 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 336 | 32 | 30 | -29 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 337 | 32 | 50 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 338 | 33 | 10 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 339 | 33 | 29 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 340 | 33 | 49 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 341 | 34 | 9 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 342 | 34 | 29 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 343 | 34 | 49 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 344 | 35 | 9 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 345 | 35 | 28 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 346 | 35 | 48 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 347 | 36 | 8 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 348 | 36 | 28 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 349 | 36 | 48 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 350 | 37 | 8 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 351 | 37 | 28 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 352 | 37 | 48 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 353 | 38 | 8 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 354 | 38 | 27 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 355 | 38 | 47 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 356 | 39 | 7 | -28 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 357 | 39 | 27 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 358 | 39 | 47 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 359 | 40 | 7 | -26 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 360 | 40 | 27 | -28 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 361 | 40 | 47 | -28 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 362 | 41 | 7 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 363 | 41 | 27 | -28 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 364 | 41 | 47 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 365 | 42 | 7 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |
| 366 | 42 | 27 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -28 | -29 |

| SNIP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C | 7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C | 7-07 ENG.1 IGNIT EXCITR SKIN OUTSD DEG.C | 7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C | 7-09 ENG.1 LOBE PUMP CASE TEMP DEG.C | 7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C | 7-11 ENG.1 COMPRS CSE SIG.2 4.30 DEG.C | 7-13 ENG.1 COMPRS CSE SIG.3 4.30 DEG.C | 7-14 ENG.1 COMPRS CSE SIG.3 6.00 DEG.C | 7-15 ENG.1 COMPRS CSE SIG.4 3.00 DEG.C |
|---------------|----------------------|----------------------|--|---|--|--|--|--|--|--|--|--|
| 367 | 42 | 47 | -29 | -30 | -29 | -30 | -30 | -30 | -30 | -30 | -30 | -30 |
| 368 | 43 | 7 | -29 | -29 | -30 | -29 | -29 | -30 | -29 | -30 | -30 | -30 |
| 369 | 43 | 27 | -29 | -30 | -29 | -30 | -30 | -30 | -29 | -29 | -29 | -29 |
| 370 | 42 | 47 | -29 | -29 | -29 | -30 | -29 | -30 | -29 | -29 | -29 | -29 |
| 371 | 44 | 7 | -29 | -30 | -29 | -30 | -29 | -30 | -29 | -29 | -29 | -29 |
| 372 | 64 | 27 | -29 | -29 | -29 | -30 | -30 | -30 | -29 | -29 | -30 | -29 |
| 373 | 44 | 47 | -29 | -30 | -29 | -30 | -30 | -31 | -29 | -29 | -30 | -30 |
| 374 | 45 | 7 | -29 | -30 | -29 | -30 | -30 | -29 | -29 | -29 | -30 | -30 |
| 375 | 45 | 27 | -28 | -29 | -28 | -29 | -29 | -30 | -29 | -29 | -30 | -30 |
| 376 | 45 | 47 | -28 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -29 |
| 377 | 46 | 7 | -28 | -29 | -29 | -29 | -29 | -29 | -28 | -29 | -29 | -28 |
| 378 | 46 | 28 | -29 | -29 | -28 | -29 | -29 | -29 | -29 | -29 | -29 | -28 |
| 379 | 46 | 48 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -29 | -28 |
| 380 | 47 | 8 | -28 | -29 | -28 | -29 | -29 | -29 | -28 | -29 | -29 | -28 |
| 381 | 47 | 28 | -28 | -28 | -28 | -28 | -29 | -29 | -28 | -29 | -29 | -28 |
| 382 | 47 | 48 | -28 | -29 | -28 | -28 | -29 | -28 | -28 | -28 | -28 | -28 |
| 383 | 48 | 8 | -28 | -29 | -28 | -28 | -29 | -28 | -28 | -28 | -28 | -28 |
| 384 | 48 | 26 | -28 | -29 | -28 | -28 | -29 | -29 | -27 | -28 | -28 | -28 |
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| 386 | 49 | 8 | -27 | -29 | -28 | -29 | -28 | -29 | -28 | -28 | -28 | -28 |
| 387 | 49 | 48 | -28 | -29 | -28 | -28 | -29 | -29 | -28 | -28 | -29 | -28 |
| 388 | 49 | 48 | -28 | -29 | -28 | -28 | -29 | -29 | -28 | -28 | -29 | -28 |
| 389 | 50 | 9 | -27 | -29 | -28 | -28 | -28 | -28 | -28 | -28 | -29 | -28 |
| 390 | 50 | 29 | -27 | -29 | -28 | -28 | -28 | -29 | -28 | -28 | -29 | -28 |
| 391 | 50 | 49 | -28 | -28 | -28 | -28 | -28 | -28 | -27 | -28 | -29 | -28 |
| 392 | 51 | 9 | -27 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -29 | -28 |
| 393 | 51 | 29 | -27 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -29 | -28 |
| 394 | 51 | 49 | -28 | -28 | -28 | -28 | -28 | -29 | -27 | -28 | -29 | -28 |
| 395 | 52 | 9 | -28 | -28 | -28 | -28 | -29 | -28 | -28 | -28 | -28 | -28 |
| 396 | 52 | 29 | -27 | -28 | -28 | -28 | -29 | -29 | -28 | -28 | -29 | -27 |
| 397 | 52 | 49 | -28 | -29 | -27 | -28 | -29 | -28 | -28 | -28 | -29 | -27 |
| 398 | 53 | 10 | -28 | -28 | -28 | -28 | -29 | -28 | -28 | -28 | -28 | -28 |
| 399 | 53 | 30 | -28 | -28 | -28 | -28 | -28 | -29 | -28 | -28 | -28 | -28 |
| 400 | 53 | 50 | -28 | -29 | -28 | -28 | -29 | -28 | -28 | -28 | -28 | -28 |
| 401 | 54 | 10 | -28 | -28 | -27 | -28 | -28 | -29 | -27 | -28 | -28 | -28 |
| 402 | 54 | 30 | -28 | -28 | -28 | -28 | -28 | -29 | -27 | -28 | -28 | -28 |
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| 404 | 55 | 11 | -27 | -28 | -28 | -28 | -28 | -28 | -27 | -28 | -28 | -28 |
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| 406 | 55 | 51 | -28 | -28 | -28 | -28 | -28 | -28 | -26 | -28 | -28 | -28 |
| 407 | 56 | 11 | -28 | -28 | -28 | -28 | -28 | -28 | -26 | -28 | -28 | -28 |
| 408 | 56 | 31 | -27 | -28 | -28 | -28 | -28 | -28 | -27 | -28 | -28 | -28 |
| 409 | 56 | 51 | -27 | -28 | -28 | -28 | -28 | -29 | -27 | -28 | -28 | -28 |
| 410 | 57 | 11 | -27 | -28 | -28 | -28 | -28 | -28 | -26 | -28 | -28 | -28 |
| 411 | 57 | 31 | -27 | -28 | -28 | -28 | -28 | -28 | -26 | -28 | -28 | -28 |
| 412 | 57 | 51 | -27 | -28 | -28 | -28 | -28 | -28 | -26 | -28 | -28 | -28 |
| 413 | 58 | 11 | -27 | -28 | -28 | -28 | -28 | -29 | -27 | -28 | -28 | -28 |
| 414 | 58 | 31 | -27 | -28 | -28 | -28 | -28 | -29 | -27 | -28 | -28 | -28 |
| 415 | 58 | 51 | -27 | -28 | -28 | -28 | -28 | -29 | -27 | -28 | -28 | -28 |
| 416 | 59 | 12 | -27 | -28 | -28 | -28 | -28 | -29 | -27 | -28 | -28 | -28 |

| SWEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-05 | | 7-06 | | 7-07 | | 7-08 | | 7-09 | | 7-10 | | 7-11 | | 7-13 | | 7-14 | | 7-15 | |
|----------------|----------------------|----------------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|
| | | | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR |
| 417 | 59 | 32 | -27 | -27 | -28 | -27 | -27 | -28 | -28 | -25 | -25 | -28 | -27 | -27 | -27 | -27 | -27 | -27 | -28 | -28 | -28 | -28 |
| 418 | 59 | 52 | -26 | -26 | -26 | -27 | -26 | -27 | -27 | -25 | -25 | -28 | -27 | -27 | -27 | -27 | -27 | -27 | -28 | -28 | -28 | -28 |
| 419 | 60 | 12 | -26 | -26 | -26 | -27 | -26 | -27 | -27 | -25 | -25 | -28 | -27 | -27 | -27 | -27 | -27 | -27 | -28 | -28 | -28 | -28 |
| 420 | 60 | 32 | -27 | -27 | -27 | -27 | -26 | -27 | -26 | -25 | -25 | -27 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 421 | 60 | 52 | -25 | -25 | -25 | -25 | -25 | -25 | -26 | -24 | -24 | -27 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 422 | 61 | 12 | -26 | -26 | -26 | -26 | -25 | -25 | -26 | -24 | -24 | -27 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 423 | 61 | 33 | -25 | -25 | -25 | -25 | -25 | -25 | -26 | -24 | -24 | -27 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 424 | 61 | 53 | -25 | -25 | -25 | -25 | -25 | -25 | -26 | -24 | -24 | -27 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -26 |
| 425 | 62 | 13 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | -22 | -22 | -24 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 |
| 426 | 62 | 33 | -23 | -23 | -23 | -23 | -23 | -23 | -24 | -22 | -22 | -24 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 |
| 427 | 62 | 53 | -23 | -23 | -23 | -23 | -23 | -23 | -24 | -22 | -22 | -24 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 |
| 428 | 63 | 13 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | -22 | -22 | -24 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 |
| 429 | 63 | 33 | -22 | -22 | -22 | -22 | -22 | -22 | -24 | -21 | -21 | -24 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 |
| 430 | 63 | 53 | -22 | -22 | -22 | -22 | -22 | -22 | -24 | -21 | -21 | -24 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 |
| 431 | 64 | 13 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | -22 | -22 | -24 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 |
| 432 | 64 | 33 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | -22 | -22 | -24 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 |
| 433 | 64 | 53 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | -22 | -22 | -24 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 |
| 434 | 65 | 13 | -23 | -23 | -23 | -23 | -23 | -23 | -24 | -22 | -22 | -24 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 |
| 435 | 65 | 34 | -22 | -22 | -22 | -22 | -22 | -22 | -24 | -21 | -21 | -24 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 |
| 436 | 65 | 53 | -21 | -21 | -21 | -21 | -21 | -21 | -24 | -21 | -21 | -24 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 | -23 |
| 437 | 66 | 13 | -20 | -20 | -20 | -20 | -20 | -20 | -16 | -13 | -13 | -16 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 |
| 438 | 66 | 33 | -20 | -20 | -20 | -20 | -19 | -19 | -14 | -11 | -11 | -14 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 |
| 439 | 66 | 54 | -19 | -19 | -19 | -20 | -19 | -20 | -14 | -11 | -11 | -14 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 |
| 440 | 67 | 14 | -18 | -18 | -18 | -19 | -19 | -19 | -16 | -13 | -13 | -16 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 |
| 441 | 67 | 34 | -18 | -18 | -18 | -19 | -19 | -19 | -16 | -13 | -13 | -16 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 |
| 442 | 67 | 54 | -16 | -16 | -16 | -19 | -19 | -19 | -16 | -13 | -13 | -16 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 |
| 443 | 68 | 14 | -15 | -15 | -15 | -16 | -16 | -16 | -12 | -9 | -9 | -12 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -11 |
| 444 | 68 | 34 | -16 | -16 | -16 | -19 | -19 | -19 | -16 | -13 | -13 | -16 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 | -15 |
| 445 | 68 | 54 | -15 | -15 | -15 | -18 | -18 | -18 | -14 | -11 | -11 | -14 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 |
| 446 | 69 | 14 | -14 | -14 | -14 | -17 | -17 | -17 | -14 | -11 | -11 | -14 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 |
| 447 | 69 | 34 | -14 | -14 | -14 | -17 | -17 | -17 | -14 | -11 | -11 | -14 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 |
| 448 | 69 | 54 | -14 | -14 | -14 | -17 | -17 | -17 | -14 | -11 | -11 | -14 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 |
| 449 | 70 | 14 | -13 | -13 | -13 | -16 | -16 | -16 | -14 | -11 | -11 | -14 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 |
| 450 | 70 | 34 | -12 | -12 | -12 | -16 | -16 | -16 | -14 | -11 | -11 | -14 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 | -13 |
| 451 | 70 | 54 | -9 | -9 | -9 | -14 | -14 | -14 | -12 | -9 | -9 | -12 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -11 |
| 452 | 71 | 14 | -11 | -11 | -11 | -14 | -14 | -14 | -12 | -9 | -9 | -12 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -11 |
| 453 | 71 | 35 | -9 | -9 | -9 | -12 | -12 | -12 | -11 | -8 | -8 | -11 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 |
| 454 | 71 | 55 | -11 | -11 | -11 | -15 | -15 | -15 | -12 | -9 | -9 | -12 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -11 |
| 455 | 72 | 15 | -10 | -10 | -10 | -14 | -14 | -14 | -12 | -9 | -9 | -12 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -11 | -11 |
| 456 | 72 | 35 | -9 | -9 | -9 | -13 | -13 | -13 | -11 | -8 | -8 | -11 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 |
| 457 | 72 | 55 | -9 | -9 | -9 | -13 | -13 | -13 | -11 | -8 | -8 | -11 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 |
| 458 | 73 | 15 | -9 | -9 | -9 | -13 | -13 | -13 | -11 | -8 | -8 | -11 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 |
| 459 | 73 | 35 | -6 | -6 | -6 | -12 | -12 | -12 | -10 | -7 | -7 | -10 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 |
| 460 | 73 | 55 | -8 | -8 | -8 | -13 | -13 | -13 | -10 | -7 | -7 | -10 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 |
| 461 | 74 | 16 | -7 | -7 | -7 | -12 | -12 | -12 | -10 | -7 | -7 | -10 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 |
| 462 | 74 | 36 | -6 | -6 | -6 | -12 | -12 | -12 | -10 | -7 | -7 | -10 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 |
| 463 | 74 | 56 | -7 | -7 | -7 | -11 | -11 | -11 | -10 | -7 | -7 | -10 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 |
| 464 | 75 | 16 | -6 | -6 | -6 | -11 | -11 | -11 | -10 | -7 | -7 | -10 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 |
| 465 | 75 | 36 | -5 | -5 | -5 | -11 | -11 | -11 | -10 | -7 | -7 | -10 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 | -9 |
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| TIME MIN. | TIME SEC. | 7-05 | | 7-06 | | 7-07 | | 7-08 | | 7-10 | | 7-11 | | 7-13 | | 7-14 | | 7-15 | |
|--------------|--------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|
| | | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR | ENG.1 IGNIT | ENG.1 EXCITR |
| 467 | 17 | -5 | -10 | -10 | -10 | -12 | 48 | -6 | 5 | 22 | 24 | 32 | | | | | | | |
| 468 | 37 | -5 | -10 | -10 | -10 | -11 | 48 | -6 | 6 | 19 | 21 | 30 | | | | | | | |
| 469 | 57 | -5 | -10 | -10 | -10 | -13 | 49 | -7 | 6 | 16 | 19 | 28 | | | | | | | |
| 470 | 77 | -5 | -9 | -10 | -10 | -12 | 50 | -6 | 6 | 16 | 16 | 28 | | | | | | | |
| 471 | 37 | -4 | -9 | -10 | -10 | -14 | 50 | -6 | 7 | 16 | 14 | 26 | | | | | | | |
| 472 | 58 | -4 | -9 | -10 | -10 | -13 | 51 | -6 | 6 | 10 | 12 | 20 | | | | | | | |
| 473 | 18 | -3 | -8 | -11 | -11 | -14 | 51 | -4 | 3 | 10 | 14 | 20 | | | | | | | |
| 474 | 38 | -4 | -9 | -11 | -11 | -13 | 52 | -4 | 2 | 7 | 14 | 16 | | | | | | | |
| 475 | 58 | -4 | -9 | -11 | -11 | -14 | 52 | -4 | 0 | 7 | 14 | 16 | | | | | | | |
| 476 | 16 | -2 | -7 | -9 | -9 | -10 | 53 | -4 | 0 | 9 | 14 | 16 | | | | | | | |
| 477 | 39 | -3 | -8 | -9 | -9 | -11 | 53 | -4 | 1 | 14 | 14 | 16 | | | | | | | |
| 478 | 59 | -3 | -7 | -9 | -9 | -11 | 52 | -4 | 3 | 17 | 17 | 23 | | | | | | | |
| 479 | 19 | -2 | -7 | -9 | -9 | -14 | 52 | -4 | 4 | 14 | 16 | 21 | | | | | | | |
| 480 | 60 | -3 | -6 | -8 | -8 | -12 | 53 | -4 | 5 | 12 | 16 | 21 | | | | | | | |
| 481 | 81 | -2 | -7 | -8 | -8 | -10 | 52 | -3 | 5 | 10 | 19 | 25 | | | | | | | |
| 482 | 0 | -2 | -7 | -7 | -7 | -12 | 52 | -4 | 6 | 16 | 20 | 27 | | | | | | | |
| 483 | 81 | -2 | -7 | -9 | -9 | -15 | 52 | -5 | 3 | 11 | 14 | 20 | | | | | | | |
| 484 | 82 | -1 | -6 | -8 | -8 | -12 | 51 | -4 | 3 | 19 | 21 | 27 | | | | | | | |
| 485 | 1 | -2 | -7 | -9 | -9 | -4 | 51 | -8 | 5 | 33 | 37 | 44 | | | | | | | |
| 486 | 41 | -2 | -7 | -9 | -9 | -9 | 51 | -9 | 0 | 36 | 40 | 44 | | | | | | | |
| 487 | 83 | 0 | -6 | -8 | -8 | -4 | 52 | -10 | 12 | 41 | 43 | 49 | | | | | | | |
| 488 | 83 | -5 | -5 | -8 | -8 | 0 | 51 | -11 | 16 | 47 | 48 | 55 | | | | | | | |
| 489 | 83 | 0 | -3 | -5 | -5 | 0 | 52 | -8 | 20 | 47 | 45 | 55 | | | | | | | |
| 490 | 64 | 2 | -4 | -6 | -6 | 0 | 52 | -8 | 21 | 44 | 40 | 55 | | | | | | | |
| 491 | 1 | 1 | -4 | -4 | -4 | 1 | 50 | -8 | 21 | 44 | 40 | 53 | | | | | | | |
| 492 | 84 | 2 | -2 | -4 | -4 | 0 | 52 | -8 | 21 | 43 | 40 | 53 | | | | | | | |
| 493 | 3 | 2 | -3 | -4 | -4 | -2 | 52 | -8 | 22 | 41 | 39 | 53 | | | | | | | |
| 494 | 85 | 3 | -2 | -4 | -4 | -2 | 52 | -8 | 22 | 42 | 41 | 51 | | | | | | | |
| 495 | 85 | 3 | -1 | -4 | -4 | -2 | 52 | -8 | 22 | 42 | 41 | 51 | | | | | | | |
| 496 | 86 | 4 | -3 | -3 | -3 | 1 | 53 | -7 | 23 | 44 | 44 | 51 | | | | | | | |
| 497 | 4 | 5 | -2 | -2 | -2 | 0 | 52 | -8 | 23 | 44 | 43 | 51 | | | | | | | |
| 498 | 66 | 4 | 0 | -2 | -2 | -1 | 51 | -9 | 24 | 43 | 40 | 51 | | | | | | | |
| 499 | 44 | 5 | 0 | -2 | -2 | -1 | 51 | -9 | 23 | 43 | 40 | 51 | | | | | | | |
| 500 | 5 | 5 | -2 | -2 | -2 | -2 | 51 | -10 | 23 | 42 | 40 | 48 | | | | | | | |
| 501 | 25 | 5 | 0 | -2 | -2 | -3 | 52 | -10 | 22 | 42 | 39 | 48 | | | | | | | |
| 502 | 67 | 5 | 0 | -2 | -2 | -4 | 51 | -10 | 21 | 40 | 37 | 44 | | | | | | | |
| 503 | 45 | 5 | 0 | -2 | -2 | -3 | 51 | -10 | 19 | 40 | 35 | 44 | | | | | | | |
| 504 | 88 | 6 | 0 | -1 | -1 | -4 | 51 | -9 | 19 | 42 | 37 | 46 | | | | | | | |
| 505 | 26 | 5 | 0 | -1 | -1 | -4 | 51 | -9 | 19 | 40 | 38 | 46 | | | | | | | |
| 506 | 69 | 7 | 1 | -1 | -1 | -2 | 51 | -9 | 20 | 40 | 40 | 46 | | | | | | | |
| 507 | 89 | 5 | 2 | -1 | -1 | -1 | 51 | -9 | 20 | 41 | 48 | 48 | | | | | | | |
| 508 | 47 | 6 | 2 | -1 | -1 | -1 | 51 | -9 | 19 | 43 | 42 | 48 | | | | | | | |
| 509 | 90 | 7 | 2 | -0 | -0 | 0 | 51 | -9 | 21 | 46 | 45 | 49 | | | | | | | |
| 510 | 90 | 6 | 3 | -0 | -0 | 0 | 51 | -9 | 24 | 46 | 46 | 52 | | | | | | | |
| 511 | 90 | 7 | 2 | -0 | -0 | -0 | 51 | -8 | 24 | 44 | 41 | 51 | | | | | | | |
| 512 | 91 | 7 | 3 | -0 | -0 | -0 | 51 | -8 | 24 | 44 | 41 | 51 | | | | | | | |
| 513 | 91 | 7 | 5 | -1 | -1 | -1 | 52 | -8 | 22 | 44 | 42 | 50 | | | | | | | |
| 514 | 91 | 7 | 5 | -1 | -1 | -1 | 52 | -8 | 21 | 43 | 40 | 49 | | | | | | | |
| 515 | 91 | 6 | 4 | -1 | -1 | -2 | 52 | -10 | 21 | 43 | 37 | 46 | | | | | | | |
| 516 | 92 | 6 | 4 | -0 | -0 | -0 | 52 | -10 | 19 | 43 | 41 | 48 | | | | | | | |
| 517 | 30 | 6 | 4 | -0 | -0 | -0 | 52 | -9 | 20 | 42 | 42 | 48 | | | | | | | |
| 518 | 92 | 7 | 4 | -0 | -0 | -0 | 52 | -9 | 21 | 42 | 42 | 49 | | | | | | | |

| -01 SHEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-05 | | 7-06 | | 7-07 | | 7-08 | | 7-09 | | 7-10 | | 7-11 | | 7-13 | | 7-14 | | 7-15 | |
|-----------------------|----------------------|----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT | ENG.1 IGNIT |
| 517 | 93 | 12 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 51 | -9 | 22 | 45 | 44 | 50 | | | | | | | |
| 518 | 93 | 35 | 7 | 4 | 0 | 0 | 0 | 0 | 1 | 51 | -8 | 22 | 46 | 46 | 51 | | | | | | | |
| 519 | 95 | 52 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 50 | -11 | 21 | 46 | 46 | 51 | | | | | | | |
| 520 | 96 | 13 | 6 | 6 | 1 | 1 | 1 | 1 | 0 | 51 | -12 | 22 | 45 | 46 | 52 | | | | | | | |
| 521 | 96 | 33 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 52 | -11 | 23 | 45 | 45 | 53 | | | | | | | |
| 522 | 96 | 54 | 6 | 7 | 1 | 1 | 1 | 1 | 0 | 51 | -13 | 20 | 43 | 44 | 53 | | | | | | | |
| 523 | 97 | 15 | 6 | 6 | 0 | 0 | 0 | 0 | -1 | 50 | -14 | 19 | 41 | 41 | 51 | | | | | | | |
| 524 | 97 | 35 | 7 | 6 | 0 | 0 | 0 | 0 | -1 | 50 | -14 | 17 | 39 | 38 | 49 | | | | | | | |
| 525 | 97 | 56 | 6 | 6 | 1 | 1 | 1 | 1 | 0 | 52 | -14 | 18 | 41 | 43 | 50 | | | | | | | |
| 526 | 98 | 16 | 7 | 6 | 1 | 1 | 1 | 1 | 0 | 51 | -14 | 19 | 43 | 43 | 50 | | | | | | | |
| 527 | 98 | 37 | 6 | 6 | 1 | 1 | 1 | 1 | 0 | 51 | -13 | 21 | 44 | 45 | 49 | | | | | | | |
| 528 | 98 | 58 | 6 | 7 | 2 | 2 | 2 | 2 | 0 | 50 | -13 | 21 | 42 | 42 | 48 | | | | | | | |
| 529 | 99 | 18 | 6 | 7 | 1 | 1 | 1 | 1 | 0 | 50 | -14 | 20 | 42 | 43 | 51 | | | | | | | |
| 530 | 99 | 39 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 50 | -14 | 20 | 44 | 43 | 51 | | | | | | | |
| 531 | 99 | 59 | 7 | 6 | 1 | 1 | 1 | 1 | -1 | 51 | -14 | 22 | 43 | 41 | 50 | | | | | | | |
| 532 | 100 | 20 | 6 | 6 | 2 | 2 | 2 | 2 | -5 | 50 | -14 | 20 | 37 | 32 | 45 | | | | | | | |
| 533 | 100 | 40 | 6 | 6 | 3 | 3 | 3 | 3 | -7 | 51 | -14 | 18 | 33 | 28 | 48 | | | | | | | |
| 534 | 101 | 1 | 6 | 7 | 1 | 1 | 1 | 1 | -8 | 51 | -15 | 15 | 30 | 26 | 35 | | | | | | | |
| 535 | 101 | 21 | 6 | 7 | 1 | 1 | 1 | 1 | -8 | 51 | -16 | 13 | 30 | 28 | 35 | | | | | | | |
| 536 | 101 | 42 | 6 | 7 | 1 | 1 | 1 | 1 | -9 | 51 | -16 | 12 | 27 | 27 | 34 | | | | | | | |
| 537 | 102 | 2 | 6 | 7 | 0 | 0 | 0 | 0 | -10 | 52 | -16 | 11 | 29 | 28 | 34 | | | | | | | |
| 538 | 102 | 23 | 7 | 7 | 0 | 0 | 0 | 0 | -9 | 50 | -16 | 9 | 30 | 27 | 34 | | | | | | | |
| 539 | 102 | 43 | 6 | 5 | 0 | 0 | 0 | 0 | -7 | 50 | -16 | 9 | 29 | 27 | 34 | | | | | | | |
| 540 | 103 | 4 | 6 | 5 | 0 | 0 | 0 | 0 | -9 | 51 | -16 | 12 | 31 | 31 | 37 | | | | | | | |
| 541 | 103 | 24 | 7 | 3 | -1 | -1 | -1 | -1 | -9 | 52 | -15 | 12 | 24 | 23 | 32 | | | | | | | |
| 542 | 103 | 45 | 3 | 3 | -1 | -1 | -1 | -1 | -9 | 52 | -16 | 9 | 27 | 26 | 38 | | | | | | | |
| 543 | 104 | 5 | 4 | 4 | -1 | -1 | -1 | -1 | -10 | 51 | -16 | 10 | 27 | 29 | 36 | | | | | | | |
| 544 | 104 | 26 | 4 | 4 | 0 | 0 | 0 | 0 | -9 | 51 | -16 | 11 | 29 | 28 | 35 | | | | | | | |
| 545 | 104 | 46 | 4 | 4 | -1 | -1 | -1 | -1 | -10 | 50 | -16 | 11 | 29 | 27 | 35 | | | | | | | |
| 546 | 105 | 6 | 4 | 4 | 0 | 0 | 0 | 0 | -9 | 49 | -16 | 11 | 31 | 28 | 36 | | | | | | | |
| 547 | 105 | 27 | 4 | 4 | 0 | 0 | 0 | 0 | -7 | 50 | -15 | 12 | 31 | 30 | 37 | | | | | | | |
| 548 | 105 | 48 | 3 | 3 | -1 | -1 | -1 | -1 | -8 | 50 | -15 | 14 | 31 | 29 | 37 | | | | | | | |
| 549 | 106 | 8 | 3 | 3 | 0 | 0 | 0 | 0 | -10 | 52 | -16 | 13 | 31 | 29 | 38 | | | | | | | |
| 550 | 106 | 29 | 2 | 2 | -1 | -1 | -1 | -1 | -10 | 50 | -16 | 12 | 30 | 29 | 37 | | | | | | | |
| 551 | 106 | 49 | 2 | 2 | -1 | -1 | -1 | -1 | -9 | 50 | -16 | 12 | 31 | 30 | 37 | | | | | | | |
| 552 | 107 | 10 | 2 | 2 | -1 | -1 | -1 | -1 | -7 | 51 | -15 | 13 | 32 | 30 | 36 | | | | | | | |
| 553 | 107 | 30 | 4 | 4 | 0 | 0 | 0 | 0 | -9 | 50 | -15 | 13 | 30 | 30 | 36 | | | | | | | |
| 554 | 107 | 51 | 4 | 4 | -1 | -1 | -1 | -1 | -9 | 50 | -16 | 13 | 29 | 30 | 35 | | | | | | | |
| 555 | 108 | 11 | 3 | 3 | -1 | -1 | -1 | -1 | -9 | 50 | -16 | 13 | 30 | 30 | 35 | | | | | | | |
| 556 | 108 | 32 | 4 | 4 | 0 | 0 | 0 | 0 | -9 | 50 | -16 | 12 | 29 | 27 | 35 | | | | | | | |
| 557 | 108 | 52 | 3 | 3 | -1 | -1 | -1 | -1 | -10 | 51 | -14 | 11 | 30 | 27 | 36 | | | | | | | |
| 558 | 109 | 12 | 9 | 3 | 0 | 0 | 0 | 0 | -8 | 51 | -15 | 13 | 29 | 28 | 36 | | | | | | | |
| 559 | 109 | 33 | 3 | 3 | -1 | -1 | -1 | -1 | -8 | 51 | -14 | 13 | 30 | 29 | 36 | | | | | | | |
| 560 | 109 | 53 | 4 | 4 | 0 | 0 | 0 | 0 | -7 | 52 | -13 | 13 | 30 | 28 | 36 | | | | | | | |
| 561 | 110 | 14 | 3 | 3 | -1 | -1 | -1 | -1 | -9 | 50 | -14 | 12 | 29 | 28 | 36 | | | | | | | |
| 562 | 110 | 34 | 2 | 2 | -1 | -1 | -1 | -1 | -8 | 50 | -14 | 12 | 29 | 26 | 35 | | | | | | | |
| 563 | 110 | 55 | 4 | 4 | -1 | -1 | -1 | -1 | -8 | 51 | -15 | 11 | 30 | 29 | 36 | | | | | | | |
| 564 | 111 | 15 | 4 | 4 | 0 | 0 | 0 | 0 | -9 | 52 | -14 | 12 | 29 | 29 | 36 | | | | | | | |
| 565 | 111 | 36 | 1 | 1 | -1 | -1 | -1 | -1 | -9 | 51 | -15 | 12 | 29 | 27 | 34 | | | | | | | |
| 566 | 111 | 56 | 9 | 2 | -1 | -1 | -1 | -1 | -6 | 51 | -13 | 12 | 31 | 31 | 38 | | | | | | | |

| 7-02 | 7-03 | 7-05 | 7-05 | 7-05 | 7-07 | 7-08 | 7-09 | 7-10 | 7-11 | 7-13 | 7-14 | 7-15 |
|------|------|--------|--------|--------|--------|---------|-------|-------|--------|--------|--------|--------|
| TIME | TIME | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 |
| MIN. | SEC. | IGNII | IGNII | IGNII | IGNII | FUEL | LUBE | FUEL | COMPRS | COMPRS | COMPRS | COMPRS |
| | | EXCITR | EXCITR | EXCITR | EXCITR | CONTROL | PUMP | PUMP | CSE | CSE | CSE | CSE |
| | | SKIN | SKIN | SKIN | SKIN | TEMP | TEMP | TEMP | STG.2 | STG.3 | STG.3 | STG.4 |
| | | INBD | INBD | INBD | OUTBD | DEG.C | DEG.C | DEG.C | 4.30 | 4.30 | 6.00 | 3.00 |
| | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 617 | 35 | 11 | 5 | 1 | 1 | 1 | 51 | -8 | 21 | 41 | 37 | 48 |
| 618 | 55 | 10 | 6 | 0 | 0 | 0 | 53 | -5 | 22 | 39 | 36 | 47 |
| 619 | 15 | 11 | 6 | 0 | 0 | 0 | 52 | -6 | 21 | 37 | 35 | 47 |
| 620 | 36 | 11 | 6 | 0 | 0 | 0 | 52 | -5 | 23 | 38 | 47 | 47 |
| 621 | 36 | 11 | 6 | 0 | 0 | -6 | 51 | -6 | 20 | 29 | 27 | 41 |
| 622 | 56 | 11 | 4 | 0 | 0 | -10 | 51 | -7 | 15 | 26 | 27 | 40 |
| 623 | 15 | 10 | 3 | 0 | 0 | -6 | 53 | -7 | 14 | 32 | 33 | 42 |
| 624 | 36 | 9 | 4 | -0 | -1 | -6 | 53 | -6 | 15 | 34 | 38 | 46 |
| 625 | 57 | 10 | 3 | 0 | 0 | -8 | 53 | -5 | 14 | 25 | 31 | 40 |
| 626 | 17 | 11 | 4 | 0 | 0 | -10 | 51 | -6 | 11 | 20 | 24 | 33 |
| 627 | 37 | 10 | 2 | -2 | -2 | -10 | 51 | -4 | 0 | 21 | 24 | 33 |
| 628 | 58 | 9 | 1 | -2 | -2 | -11 | 53 | -4 | 0 | 16 | 21 | 30 |
| 629 | 18 | 9 | 1 | -2 | -2 | -13 | 53 | -3 | 5 | 15 | 17 | 26 |
| 630 | 38 | 8 | 2 | -2 | -2 | -12 | 54 | -3 | 4 | 14 | 18 | 26 |
| 631 | 38 | 8 | 2 | -3 | -3 | -13 | 52 | -5 | 2 | 13 | 18 | 24 |
| 632 | 59 | 7 | 0 | -4 | -4 | -13 | 52 | -3 | 1 | 12 | 16 | 21 |
| 633 | 19 | 8 | 0 | -4 | -4 | -13 | 53 | -3 | 3 | 16 | 20 | 28 |
| 634 | 39 | 7 | 2 | -4 | -4 | -10 | 51 | -4 | 1 | 14 | 18 | 23 |
| 635 | 3 | 0 | 0 | -4 | -4 | -11 | 51 | -5 | 1 | 14 | 17 | 22 |
| 636 | 20 | 5 | 0 | -4 | -4 | -11 | 52 | -5 | 1 | 14 | 19 | 24 |
| 637 | 41 | 8 | 1 | -2 | -2 | -11 | 52 | -4 | 1 | 14 | 19 | 24 |
| 638 | 41 | 8 | 1 | -2 | -2 | -11 | 51 | -3 | 2 | 14 | 19 | 24 |
| 639 | 1 | 5 | -3 | -5 | -4 | -10 | 51 | -3 | 2 | 14 | 19 | 24 |
| 640 | 21 | 5 | 0 | -4 | -4 | -11 | 52 | -4 | 1 | 28 | 27 | 34 |
| 641 | 42 | 4 | 0 | -4 | -4 | -11 | 50 | -7 | 3 | 26 | 26 | 34 |
| 642 | 42 | 0 | 0 | -4 | -4 | -11 | 50 | -7 | 3 | 26 | 26 | 34 |
| 643 | 7 | 0 | 0 | -4 | -4 | -9 | 51 | -6 | 7 | 25 | 27 | 34 |
| 644 | 2 | 0 | 0 | -4 | -4 | -9 | 51 | -6 | 7 | 25 | 27 | 34 |
| 645 | 22 | 5 | 0 | -4 | -4 | -11 | 51 | -8 | 6 | 20 | 20 | 32 |
| 646 | 42 | 5 | 0 | -4 | -4 | -11 | 51 | -8 | 6 | 19 | 19 | 30 |
| 647 | 42 | 5 | 0 | -4 | -4 | -11 | 51 | -8 | 6 | 19 | 19 | 30 |
| 648 | 22 | 6 | 0 | -3 | -3 | -12 | 52 | -9 | 5 | 24 | 26 | 40 |
| 649 | 3 | 0 | 2 | -2 | -2 | -2 | 52 | -6 | 9 | 36 | 40 | 45 |
| 650 | 23 | 7 | 2 | -2 | -2 | -2 | 53 | -7 | 7 | 44 | 46 | 51 |
| 651 | 44 | 6 | 1 | -1 | -1 | 0 | 51 | -8 | 15 | 44 | 46 | 51 |
| 652 | 4 | 6 | 1 | -1 | -1 | 0 | 51 | -8 | 19 | 44 | 46 | 51 |
| 653 | 4 | 6 | 1 | -1 | -1 | 0 | 51 | -8 | 19 | 44 | 46 | 51 |
| 654 | 24 | 8 | 1 | -1 | -1 | 0 | 51 | -5 | 19 | 43 | 42 | 52 |
| 655 | 44 | 8 | 2 | -0 | -0 | -5 | 49 | -7 | 20 | 38 | 36 | 47 |
| 656 | 44 | 8 | 2 | -0 | -0 | -5 | 51 | -5 | 18 | 29 | 28 | 39 |
| 657 | 4 | 7 | 0 | -1 | -1 | -5 | 51 | -5 | 18 | 29 | 28 | 39 |
| 658 | 140 | 7 | 0 | -1 | -1 | -9 | 52 | -6 | 15 | 23 | 24 | 37 |
| 659 | 24 | 7 | 0 | -1 | -1 | -9 | 52 | -6 | 12 | 21 | 23 | 35 |
| 660 | 45 | 7 | 0 | -3 | -3 | -18 | 52 | -8 | 12 | 21 | 23 | 35 |
| 661 | 5 | 7 | 0 | -4 | -4 | -13 | 53 | -6 | 8 | 16 | 16 | 28 |
| 662 | 5 | 7 | 0 | -4 | -4 | -13 | 53 | -6 | 8 | 16 | 16 | 28 |
| 663 | 23 | 7 | 0 | -4 | -4 | -10 | 53 | -6 | 5 | 12 | 15 | 23 |
| 664 | 23 | 6 | 0 | -4 | -4 | -9 | 54 | -2 | 5 | 13 | 15 | 23 |
| 665 | 6 | 6 | 0 | -4 | -4 | -14 | 53 | -4 | 3 | 18 | 14 | 24 |
| 666 | 5 | 6 | 0 | -4 | -4 | -14 | 53 | -4 | 3 | 18 | 14 | 24 |
| 667 | 26 | 5 | 0 | -4 | -4 | -11 | 52 | -4 | 3 | 15 | 17 | 24 |
| 668 | 46 | 6 | 1 | -2 | -2 | -9 | 53 | -4 | 5 | 18 | 27 | 27 |
| 669 | 6 | 6 | 0 | -2 | -2 | -11 | 54 | -3 | 5 | 16 | 20 | 26 |
| 670 | 6 | 5 | 0 | -2 | -2 | -11 | 52 | -3 | 3 | 16 | 20 | 26 |
| 671 | 26 | 5 | 0 | -2 | -2 | -11 | 52 | -3 | 3 | 16 | 20 | 26 |
| 672 | 46 | 7 | 0 | -2 | -2 | -14 | 53 | -1 | 4 | 11 | 16 | 20 |
| 673 | 46 | 7 | 0 | -2 | -2 | -14 | 53 | -1 | 4 | 11 | 16 | 20 |
| 674 | 7 | 6 | 0 | -3 | -3 | -17 | 51 | -3 | 0 | 7 | 11 | 15 |
| 675 | 27 | 6 | 0 | -4 | -4 | -19 | 50 | -2 | 0 | 7 | 12 | 16 |
| 676 | 47 | 6 | 0 | -4 | -4 | -20 | 50 | -1 | 0 | 6 | 13 | 16 |
| 677 | 47 | 6 | 0 | -4 | -4 | -20 | 51 | -2 | 0 | 6 | 13 | 16 |
| 678 | 27 | 5 | 0 | -4 | -4 | -19 | 50 | -2 | -1 | 6 | 14 | 16 |
| 679 | 27 | 4 | -0 | -4 | -4 | -19 | 50 | -2 | -1 | 6 | 14 | 16 |
| 680 | 48 | 5 | -0 | -4 | -4 | -20 | 50 | -3 | -2 | 7 | 14 | 16 |
| 681 | 48 | 5 | -0 | -4 | -4 | -20 | 50 | -3 | -2 | 7 | 14 | 16 |
| 682 | 8 | 5 | -1 | -5 | -5 | -21 | 50 | -2 | -2 | 7 | 14 | 16 |

| TIME | 7-03 | 7-05 | 7-06 | 7-07 | 7-08 | 7-09 | 7-10 | 7-11 | 7-13 | 7-14 | 7-15 |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 597 | 28 | 3 | -2 | -6 | -23 | 50 | -3 | -4 | 4 | 8 | 12 |
| 598 | 48 | 3 | -1 | -6 | -23 | 49 | -3 | -4 | 1 | 6 | 8 |
| 599 | 48 | 4 | -1 | -5 | -22 | 51 | -1 | -4 | 2 | 7 | 8 |
| 600 | 28 | 4 | -1 | -3 | -22 | 58 | -2 | -5 | 3 | 8 | 10 |
| 601 | 49 | 2 | -2 | -7 | -21 | 49 | -2 | -6 | 2 | 8 | 10 |
| 602 | 9 | 2 | -2 | -7 | -21 | 50 | -3 | -4 | 4 | 9 | 10 |
| 603 | 29 | 2 | -2 | -7 | -21 | 49 | -3 | -5 | 4 | 10 | 12 |
| 604 | 49 | 4 | -4 | -7 | -22 | 46 | -4 | -4 | 4 | 10 | 12 |
| 605 | 9 | 1 | -3 | -7 | -22 | 46 | -2 | -4 | 5 | 10 | 12 |
| 606 | 30 | 2 | -3 | -8 | -21 | 49 | -2 | -5 | 6 | 12 | 13 |
| 607 | 50 | 1 | -3 | -8 | -22 | 48 | -3 | -5 | 4 | 9 | 12 |
| 608 | 10 | 0 | -4 | -8 | -22 | 48 | -2 | -3 | 5 | 9 | 14 |
| 609 | 30 | 1 | -4 | -8 | -21 | 47 | -3 | -4 | 6 | 11 | 14 |
| 610 | 51 | 0 | -4 | -8 | -22 | 48 | -3 | -4 | 5 | 11 | 14 |
| 611 | 31 | 0 | -4 | -8 | -21 | 48 | -2 | -4 | 6 | 11 | 14 |
| 612 | 51 | 0 | -5 | -9 | -21 | 48 | -2 | -4 | 6 | 11 | 14 |
| 613 | 51 | 0 | -5 | -9 | -21 | 47 | -2 | -4 | 5 | 9 | 13 |
| 614 | 12 | 0 | -5 | -9 | -21 | 46 | -2 | -3 | 6 | 12 | 13 |
| 615 | 32 | 0 | -5 | -8 | -19 | 48 | -2 | -3 | 7 | 13 | 15 |
| 616 | 52 | 0 | -5 | -8 | -18 | 48 | -1 | -3 | 10 | 16 | 17 |
| 617 | 52 | 0 | -5 | -9 | -19 | 48 | -2 | -2 | 10 | 15 | 17 |
| 618 | 33 | 0 | -5 | -8 | -20 | 48 | -2 | 0 | 8 | 14 | 16 |
| 619 | 33 | 0 | -5 | -8 | -21 | 48 | -1 | -2 | 7 | 14 | 16 |
| 620 | 53 | 0 | -5 | -8 | -21 | 48 | -1 | -3 | 7 | 13 | 16 |
| 621 | 13 | 0 | -5 | -9 | -19 | 48 | -2 | -2 | 7 | 13 | 16 |
| 622 | 34 | 0 | -5 | -9 | -21 | 48 | -2 | -2 | 7 | 12 | 16 |
| 623 | 53 | 0 | -7 | -10 | -19 | 48 | -2 | -2 | 9 | 14 | 17 |
| 624 | 14 | -0 | -6 | -9 | -20 | 47 | -3 | -2 | 10 | 16 | 18 |
| 625 | 34 | -0 | -7 | -9 | -20 | 46 | -4 | -2 | 10 | 15 | 18 |
| 626 | 55 | 0 | -6 | -9 | -19 | 46 | -4 | -0 | 13 | 17 | 22 |
| 627 | 55 | 0 | -7 | -9 | -21 | 46 | -5 | -0 | 13 | 17 | 22 |
| 628 | 15 | 0 | -6 | -10 | -19 | 48 | -5 | -0 | 12 | 16 | 23 |
| 629 | 35 | -0 | -6 | -9 | -18 | 48 | -4 | 0 | 13 | 16 | 23 |
| 630 | 56 | 0 | -6 | -9 | -23 | 46 | -4 | 0 | 11 | 14 | 23 |
| 631 | 16 | -3 | -8 | -11 | -20 | 46 | -8 | -2 | 11 | 14 | 21 |
| 632 | 56 | -4 | -7 | -11 | -20 | 46 | -4 | -2 | -7 | -6 | 2 |
| 633 | 16 | -4 | -7 | -10 | -17 | 48 | -3 | -10 | -11 | -10 | -10 |
| 634 | 36 | -3 | -6 | -9 | -11 | 49 | -3 | -12 | -12 | -11 | -3 |
| 635 | 56 | -4 | -6 | -9 | -7 | 48 | -2 | -13 | -11 | -10 | -4 |

HH-51C S/N 58-10354

ARCTIC TEST

15 JANUARY 1971

RUN NO. 3

-40 DEG C/ -40 DEG F

| -01 SWEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C | 7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C | 7-18 ENG.1 OIL COOLER AIR INLET DEG.C | 7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C | 7-23 ENG.1 GAS CN TRB CSE 8.00 DEG.C | 7-24 ENG.1 GAS CN TRB CSE 12.00 DEG.C | 7-25 ENG.1 POWER TURB CASE 4.00 DEG.C | 7-26 ENG.1 POWER TURB CASE 8.00 DEG.C | 7-27 ENG.1 POWER TURB CASE 12.00 DEG.C | 7-28 ENG.1 TS HRNESS TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|--|---|--|--|---|---|---|--|--|
| 272 | 11 | 42 | -28 | -27 | -28 | -28 | -26 | -23 | -28 | -28 | -28 | -28 |
| 273 | 12 | 2 | -28 | -28 | -28 | -27 | -28 | -28 | -27 | -28 | -28 | -28 |
| 274 | 12 | 21 | -27 | -26 | -28 | -28 | -29 | -28 | -27 | -28 | -28 | -28 |
| 275 | 12 | 40 | -32 | -31 | -30 | -29 | -29 | -29 | -29 | -28 | -29 | -29 |
| 276 | 12 | 59 | -27 | -27 | -27 | -27 | -28 | -28 | -28 | -28 | -28 | -28 |
| 277 | 12 | 13 | -27 | -27 | -27 | -28 | -28 | -28 | -27 | -28 | -28 | -28 |
| 278 | 13 | 38 | -27 | -27 | -27 | -27 | -28 | -28 | -27 | -28 | -28 | -28 |
| 279 | 13 | 58 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -27 |
| 280 | 14 | 17 | -28 | -27 | -27 | -27 | -28 | -28 | -27 | -28 | -28 | -28 |
| 281 | 14 | 37 | -27 | -27 | -27 | -27 | -28 | -28 | -27 | -28 | -28 | -28 |
| 282 | 14 | 56 | -27 | -27 | -27 | -27 | -28 | -28 | -27 | -28 | -28 | -28 |
| 283 | 15 | 16 | -27 | -27 | -27 | -27 | -28 | -28 | -27 | -28 | -28 | -28 |
| 284 | 15 | 35 | -27 | -27 | -28 | -27 | -28 | -28 | -28 | -28 | -28 | -28 |
| 285 | 15 | 55 | -27 | -27 | -27 | -27 | -28 | -28 | -27 | -28 | -28 | -28 |
| 286 | 16 | 14 | -27 | -28 | -27 | -27 | -28 | -28 | -28 | -28 | -28 | -28 |
| 287 | 16 | 34 | -27 | -27 | -27 | -28 | -28 | -28 | -28 | -28 | -28 | -28 |
| 288 | 16 | 53 | -27 | -27 | -28 | -27 | -28 | -28 | -28 | -28 | -28 | -28 |
| 289 | 17 | 12 | -28 | -27 | -27 | -27 | -28 | -28 | -28 | -28 | -28 | -28 |
| 290 | 17 | 32 | -27 | -27 | -27 | -28 | -28 | -28 | -27 | -28 | -28 | -28 |
| 291 | 17 | 51 | -27 | -27 | -27 | -28 | -28 | -28 | -28 | -28 | -28 | -28 |
| 292 | 18 | 11 | -27 | -28 | -27 | -27 | -28 | -28 | -28 | -28 | -28 | -28 |
| 293 | 18 | 30 | -28 | -27 | -28 | -27 | -28 | -28 | -28 | -28 | -28 | -28 |
| 294 | 18 | 49 | -27 | -27 | -27 | -27 | -28 | -28 | -27 | -28 | -28 | -28 |
| 295 | 19 | 9 | -27 | -27 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 |
| 296 | 19 | 28 | -28 | -27 | -28 | -28 | -28 | -28 | -28 | -28 | -28 | -28 |
| 297 | 19 | 47 | -28 | -27 | -28 | -27 | -28 | -28 | -28 | -28 | -28 | -28 |
| 298 | 20 | 7 | -28 | -27 | -27 | -27 | -29 | -29 | -28 | -28 | -28 | -28 |
| 299 | 20 | 26 | -28 | -28 | -28 | -28 | -29 | -29 | -28 | -28 | -28 | -28 |
| 300 | 20 | 46 | -28 | -28 | -28 | -28 | -29 | -29 | -29 | -29 | -29 | -29 |
| 301 | 21 | 5 | -28 | -28 | -28 | -28 | -29 | -29 | -29 | -29 | -29 | -29 |
| 302 | 21 | 24 | -28 | -28 | -28 | -28 | -29 | -29 | -29 | -29 | -29 | -29 |
| 303 | 21 | 44 | -28 | -28 | -28 | -28 | -29 | -29 | -29 | -29 | -29 | -29 |
| 304 | 22 | 3 | -28 | -28 | -28 | -28 | -29 | -29 | -29 | -29 | -29 | -29 |
| 305 | 22 | 23 | -28 | -28 | -28 | -28 | -29 | -29 | -29 | -29 | -29 | -29 |
| 306 | 22 | 42 | -29 | -28 | -28 | -29 | -29 | -29 | -29 | -29 | -29 | -29 |
| 307 | 23 | 2 | -28 | -28 | -28 | -28 | -29 | -29 | -29 | -29 | -29 | -29 |
| 308 | 23 | 21 | -28 | -28 | -28 | -28 | -29 | -29 | -29 | -29 | -29 | -29 |
| 309 | 23 | 40 | -29 | -28 | -28 | -29 | -29 | -29 | -29 | -29 | -29 | -29 |
| 310 | 24 | 0 | -29 | -30 | -29 | -29 | -30 | -30 | -30 | -30 | -30 | -30 |
| 311 | 24 | 19 | -29 | -29 | -28 | -29 | -30 | -30 | -30 | -30 | -30 | -30 |
| 312 | 24 | 39 | -29 | -29 | -29 | -29 | -30 | -30 | -29 | -29 | -29 | -29 |
| 313 | 24 | 58 | -29 | -28 | -29 | -28 | -30 | -30 | -29 | -29 | -29 | -29 |
| 314 | 25 | 14 | -29 | -29 | -28 | -29 | -29 | -29 | -29 | -29 | -29 | -29 |
| 315 | 25 | 37 | -29 | -28 | -28 | -29 | -30 | -30 | -29 | -29 | -29 | -29 |
| 316 | 25 | 57 | -29 | -29 | -28 | -28 | -29 | -30 | -29 | -29 | -29 | -29 |

| 7-23 | 7-24 | 7-25 | 7-26 | 7-27 | 7-28 |
|------|------|------|------|------|------|
| 317 | 317 | 317 | 317 | 317 | 317 |
| 318 | 318 | 318 | 318 | 318 | 318 |
| 319 | 319 | 319 | 319 | 319 | 319 |
| 320 | 320 | 320 | 320 | 320 | 320 |
| 321 | 321 | 321 | 321 | 321 | 321 |
| 322 | 322 | 322 | 322 | 322 | 322 |
| 323 | 323 | 323 | 323 | 323 | 323 |
| 324 | 324 | 324 | 324 | 324 | 324 |
| 325 | 325 | 325 | 325 | 325 | 325 |
| 326 | 326 | 326 | 326 | 326 | 326 |
| 327 | 327 | 327 | 327 | 327 | 327 |
| 328 | 328 | 328 | 328 | 328 | 328 |
| 329 | 329 | 329 | 329 | 329 | 329 |
| 330 | 330 | 330 | 330 | 330 | 330 |
| 331 | 331 | 331 | 331 | 331 | 331 |
| 332 | 332 | 332 | 332 | 332 | 332 |
| 333 | 333 | 333 | 333 | 333 | 333 |
| 334 | 334 | 334 | 334 | 334 | 334 |
| 335 | 335 | 335 | 335 | 335 | 335 |
| 336 | 336 | 336 | 336 | 336 | 336 |
| 337 | 337 | 337 | 337 | 337 | 337 |
| 338 | 338 | 338 | 338 | 338 | 338 |
| 339 | 339 | 339 | 339 | 339 | 339 |
| 340 | 340 | 340 | 340 | 340 | 340 |
| 341 | 341 | 341 | 341 | 341 | 341 |
| 342 | 342 | 342 | 342 | 342 | 342 |
| 343 | 343 | 343 | 343 | 343 | 343 |
| 344 | 344 | 344 | 344 | 344 | 344 |
| 345 | 345 | 345 | 345 | 345 | 345 |
| 346 | 346 | 346 | 346 | 346 | 346 |
| 347 | 347 | 347 | 347 | 347 | 347 |
| 348 | 348 | 348 | 348 | 348 | 348 |
| 349 | 349 | 349 | 349 | 349 | 349 |
| 350 | 350 | 350 | 350 | 350 | 350 |
| 351 | 351 | 351 | 351 | 351 | 351 |
| 352 | 352 | 352 | 352 | 352 | 352 |
| 353 | 353 | 353 | 353 | 353 | 353 |
| 354 | 354 | 354 | 354 | 354 | 354 |
| 355 | 355 | 355 | 355 | 355 | 355 |
| 356 | 356 | 356 | 356 | 356 | 356 |
| 357 | 357 | 357 | 357 | 357 | 357 |
| 358 | 358 | 358 | 358 | 358 | 358 |
| 359 | 359 | 359 | 359 | 359 | 359 |
| 360 | 360 | 360 | 360 | 360 | 360 |
| 361 | 361 | 361 | 361 | 361 | 361 |
| 362 | 362 | 362 | 362 | 362 | 362 |
| 363 | 363 | 363 | 363 | 363 | 363 |
| 364 | 364 | 364 | 364 | 364 | 364 |
| 365 | 365 | 365 | 365 | 365 | 365 |
| 366 | 366 | 366 | 366 | 366 | 366 |

7-23
TIME
MIN.

7-16
ENG.1
COMPS
CSE
STG.4
4.30
DEG.C

7-17
ENG.1
COMPS
CSE
STG.4
6.00
DEG.C

7-18
ENG.1
OIL
COOLER
AIR
INLET
DEG.C

7-21
ENG.1
COMPS
CSE
STG.5
6.00
DEG.C

7-23
ENG.1
GAS
GN TRB
CSE
8.00
DEG.C

7-24
ENG.1
GAS
GN TRB
CSE
12.00
DEG.C

7-25
ENG.1
POWER
TURB
CASE
4.00
DEG.C

7-26
ENG.1
POWER
TURB
CASE
8.00
DEG.C

7-27
ENG.1
POWER
TURB
CASE
12.00
DEG.C

7-28
ENG.1
T5
HRNESS
TEMP
DEG.C

7-23
TIME
MIN.

7-16
ENG.1
COMPS
CSE
STG.4
4.30
DEG.C

7-17
ENG.1
COMPS
CSE
STG.4
6.00
DEG.C

7-18
ENG.1
OIL
COOLER
AIR
INLET
DEG.C

7-21
ENG.1
COMPS
CSE
STG.5
6.00
DEG.C

7-23
ENG.1
GAS
GN TRB
CSE
8.00
DEG.C

7-24
ENG.1
GAS
GN TRB
CSE
12.00
DEG.C

7-25
ENG.1
POWER
TURB
CASE
4.00
DEG.C

7-26
ENG.1
POWER
TURB
CASE
8.00
DEG.C

7-27
ENG.1
POWER
TURB
CASE
12.00
DEG.C

7-28
ENG.1
T5
HRNESS
TEMP
DEG.C

| -01 SWEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-16 ENG.1 COMPS CSE SIG.4 4.30 DEG.C | 7-17 ENG.1 COMPS CSE SIG.4 6.00 DEG.C | 7-18 ENG.1 OIL COOLER AIR INLET DEG.C | 7-21 ENG.1 COMPS CSE SIG.5 6.00 DEG.C | 7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C | 7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.U | 7-25 ENG.1 POWER TURB CASE 4.00 DEG.C | 7-26 ENG.1 POWER TURB CASE 6.00 DEG.C | 7-27 ENG.1 POWER TURB CASE 12.00 DEG.C | 7-28 ENG.1 HRNESS TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|---|--|---|---|---|--|--|
| 357 | 42 | 47 | -30 | -29 | -29 | -30 | -31 | -31 | -30 | -31 | -31 | -31 |
| 358 | 43 | 7 | -30 | -30 | -29 | -29 | -31 | -30 | -30 | -31 | -31 | -31 |
| 359 | 43 | 27 | -30 | -29 | -29 | -30 | -30 | -30 | -30 | -31 | -31 | -30 |
| 370 | 43 | 47 | -29 | -30 | -29 | -29 | -31 | -30 | -30 | -31 | -30 | -31 |
| 371 | 44 | 7 | -29 | -29 | -29 | -29 | -31 | -30 | -30 | -31 | -30 | -30 |
| 372 | 44 | 27 | -29 | -29 | -29 | -29 | -31 | -30 | -30 | -31 | -30 | -31 |
| 373 | 44 | 47 | -28 | -29 | -29 | -29 | -31 | -30 | -30 | -31 | -30 | -30 |
| 374 | 45 | 7 | -29 | -29 | -29 | -29 | -31 | -30 | -30 | -30 | -30 | -30 |
| 375 | 45 | 27 | -29 | -29 | -28 | -28 | -30 | -30 | -30 | -30 | -30 | -30 |
| 376 | 45 | 47 | -29 | -29 | -28 | -29 | -30 | -30 | -30 | -30 | -30 | -30 |
| 377 | 46 | 7 | -28 | -29 | -28 | -29 | -30 | -30 | -30 | -30 | -30 | -30 |
| 378 | 46 | 28 | -29 | -28 | -27 | -28 | -30 | -30 | -29 | -30 | -29 | -30 |
| 379 | 46 | 48 | -29 | -28 | -27 | -28 | -30 | -30 | -29 | -30 | -29 | -29 |
| 380 | 47 | 8 | -29 | -28 | -27 | -28 | -30 | -29 | -29 | -30 | -29 | -30 |
| 381 | 47 | 28 | -28 | -28 | -28 | -28 | -30 | -29 | -29 | -30 | -29 | -30 |
| 382 | 47 | 48 | -28 | -28 | -27 | -28 | -30 | -29 | -29 | -30 | -29 | -29 |
| 383 | 48 | 8 | -28 | -28 | -28 | -29 | -30 | -29 | -29 | -30 | -29 | -29 |
| 384 | 48 | 28 | -28 | -28 | -28 | -28 | -30 | -29 | -29 | -30 | -29 | -29 |
| 385 | 48 | 48 | -28 | -28 | -26 | -28 | -30 | -29 | -29 | -30 | -29 | -29 |
| 386 | 49 | 8 | -28 | -28 | -28 | -28 | -30 | -29 | -29 | -30 | -29 | -29 |
| 387 | 49 | 28 | -28 | -28 | -28 | -28 | -30 | -29 | -29 | -30 | -29 | -29 |
| 388 | 49 | 48 | -28 | -28 | -28 | -28 | -30 | -29 | -29 | -30 | -29 | -29 |
| 389 | 50 | 9 | -28 | -28 | -28 | -28 | -30 | -29 | -29 | -30 | -29 | -29 |
| 390 | 50 | 29 | -28 | -28 | -28 | -28 | -30 | -29 | -29 | -30 | -29 | -29 |
| 391 | 51 | 49 | -28 | -28 | -28 | -28 | -30 | -29 | -29 | -30 | -29 | -29 |
| 392 | 51 | 9 | -28 | -28 | -26 | -28 | -30 | -29 | -29 | -30 | -29 | -29 |
| 393 | 51 | 29 | -28 | -28 | -26 | -28 | -30 | -29 | -29 | -30 | -29 | -29 |
| 394 | 51 | 49 | -28 | -28 | -26 | -28 | -30 | -29 | -29 | -30 | -29 | -29 |
| 395 | 52 | 9 | -28 | -28 | -25 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 396 | 52 | 29 | -28 | -28 | -25 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 397 | 52 | 49 | -28 | -28 | -25 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 398 | 53 | 10 | -28 | -28 | -26 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 399 | 53 | 30 | -28 | -28 | -26 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 400 | 53 | 50 | -28 | -28 | -26 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 401 | 54 | 10 | -28 | -28 | -26 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 402 | 54 | 30 | -28 | -28 | -26 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 403 | 54 | 51 | -28 | -28 | -26 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 404 | 55 | 11 | -28 | -28 | -26 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 405 | 55 | 31 | -28 | -28 | -26 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 406 | 55 | 51 | -26 | -28 | -25 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 407 | 56 | 11 | -28 | -28 | -26 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 408 | 56 | 31 | -28 | -28 | -27 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 409 | 56 | 51 | -28 | -28 | -27 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 410 | 57 | 11 | -28 | -27 | -27 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 411 | 57 | 31 | -28 | -28 | -26 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 412 | 57 | 51 | -28 | -28 | -26 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 413 | 58 | 11 | -28 | -28 | -26 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 414 | 58 | 31 | -27 | -28 | -26 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 415 | 58 | 51 | -28 | -28 | -26 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |
| 416 | 59 | 12 | -28 | -28 | -26 | -28 | -29 | -29 | -29 | -30 | -29 | -29 |

| SN | TIME | TIME | 7-16 | 7-17 | 7-18 | 7-21 | 7-23 | 7-24 | 7-25 | 7-26 | 7-27 | 7-28 |
|-----|------|------|--|--|---|--|---|---|---|---|--|--|
| | MIN. | SEC. | ENG.1 COMPRS CSE SIG.4 4.00 DEG.C | ENG.1 COMPRS CSE SIG.4 6.00 DEG.C | ENG.1 OIL COOLER AIR INLET DEG.C | ENG.1 COMPRS CSE SIG.4 6.00 DEG.C | ENG.1 GAS GN TRB CSE 12.00 DEG.C | ENG.1 GAS GN TRB CSE 12.00 DEG.C | ENG.1 POWER TURB CASE 8.00 DEG.C | ENG.1 POWER TURB CASE 8.00 DEG.C | ENG.1 POWER TURB CASE 12.00 DEG.C | ENG.1 T5 HARNES TEMP DEG.C |
| 417 | 59 | 32 | -27 | -27 | -26 | -26 | -29 | -28 | -28 | -29 | -28 | -29 |
| 418 | 59 | 52 | -27 | -23 | -26 | -26 | -29 | -28 | -26 | -29 | -28 | -29 |
| 419 | 60 | 12 | -27 | -27 | -26 | -26 | -28 | -28 | -28 | -29 | -28 | -20 |
| 420 | 60 | 32 | -27 | -27 | -26 | -24 | -29 | -27 | -27 | -27 | -26 | -27 |
| 421 | 60 | 52 | -26 | -26 | -24 | -24 | -27 | -27 | -27 | -28 | -26 | -26 |
| 422 | 61 | 12 | -26 | -26 | -25 | -25 | -27 | -27 | -27 | -27 | -27 | -27 |
| 423 | 61 | 33 | -25 | -25 | -24 | -24 | -27 | -27 | -27 | -27 | -27 | -27 |
| 424 | 61 | 53 | -25 | -25 | -25 | -25 | -28 | -26 | -26 | -26 | -26 | -28 |
| 425 | 62 | 13 | -24 | -25 | -25 | -25 | -22 | -22 | -21 | -25 | -23 | -28 |
| 426 | 62 | 33 | -20 | -20 | -25 | -22 | 17 | 13 | -21 | -3 | -1 | -27 |
| 427 | 62 | 53 | -14 | -15 | -25 | -16 | 71 | 59 | 59 | 29 | 32 | -24 |
| 428 | 63 | 13 | -10 | -12 | -26 | -10 | 99 | 101 | 101 | 63 | 63 | -23 |
| 429 | 63 | 33 | -6 | -8 | -24 | -4 | 112 | 112 | 131 | 92 | 88 | -19 |
| 430 | 63 | 53 | -5 | -8 | -24 | -1 | 121 | 119 | 153 | 139 | 106 | -17 |
| 431 | 64 | 13 | -7 | -9 | -27 | -0 | 124 | 120 | 170 | 189 | 121 | -16 |
| 432 | 64 | 33 | -5 | -7 | -26 | 0 | 125 | 125 | 184 | 156 | 136 | -13 |
| 433 | 64 | 53 | -2 | -2 | -26 | 2 | 161 | 152 | 198 | 174 | 146 | -8 |
| 434 | 65 | 13 | 4 | 3 | -25 | 13 | 190 | 187 | 222 | 186 | 161 | -4 |
| 435 | 65 | 33 | 7 | 8 | -26 | 26 | 198 | 198 | 240 | 174 | 161 | 0 |
| 436 | 65 | 53 | 10 | 11 | -27 | 34 | 207 | 205 | 285 | 246 | 188 | 5 |
| 437 | 66 | 13 | 12 | 12 | -27 | 43 | 200 | 204 | 267 | 217 | 208 | 10 |
| 438 | 66 | 33 | 10 | 13 | -27 | 42 | 201 | 199 | 269 | 227 | 205 | 16 |
| 439 | 66 | 54 | 12 | 14 | -19 | 43 | 203 | 201 | 269 | 233 | 208 | 20 |
| 440 | 67 | 14 | 12 | 14 | -22 | 44 | 202 | 200 | 269 | 239 | 211 | 24 |
| 441 | 67 | 34 | 12 | 14 | -27 | 45 | 203 | 201 | 272 | 243 | 215 | 29 |
| 442 | 67 | 54 | 13 | 15 | -25 | 46 | 204 | 199 | 273 | 250 | 216 | 31 |
| 443 | 68 | 14 | 14 | 16 | -22 | 45 | 205 | 200 | 274 | 253 | 219 | 34 |
| 444 | 68 | 34 | 13 | 15 | -26 | 46 | 206 | 202 | 276 | 255 | 221 | 38 |
| 445 | 68 | 54 | 13 | 16 | -26 | 46 | 206 | 201 | 277 | 258 | 223 | 41 |
| 446 | 69 | 14 | 14 | 16 | -26 | 48 | 206 | 201 | 277 | 259 | 224 | 43 |
| 447 | 69 | 34 | 14 | 16 | -25 | 48 | 206 | 200 | 277 | 261 | 224 | 47 |
| 448 | 69 | 54 | 15 | 17 | -26 | 48 | 206 | 199 | 277 | 264 | 224 | 50 |
| 449 | 70 | 14 | 14 | 17 | -26 | 48 | 206 | 199 | 277 | 264 | 225 | 59 |
| 450 | 70 | 34 | 15 | 18 | -26 | 48 | 207 | 200 | 277 | 264 | 225 | 53 |
| 451 | 70 | 54 | 16 | 19 | -26 | 48 | 207 | 199 | 277 | 264 | 224 | 54 |
| 452 | 71 | 14 | 16 | 19 | -19 | 49 | 207 | 202 | 276 | 263 | 224 | 55 |
| 453 | 71 | 35 | 17 | 19 | -23 | 50 | 208 | 200 | 276 | 266 | 225 | 57 |
| 454 | 71 | 55 | 17 | 17 | -25 | 50 | 205 | 199 | 274 | 263 | 225 | 58 |
| 455 | 72 | 15 | 18 | 18 | -26 | 48 | 208 | 201 | 277 | 264 | 225 | 60 |
| 456 | 72 | 35 | 15 | 18 | -26 | 49 | 208 | 199 | 277 | 265 | 223 | 61 |
| 457 | 72 | 55 | 14 | 17 | -25 | 48 | 208 | 199 | 277 | 265 | 223 | 60 |
| 458 | 73 | 15 | 14 | 17 | -26 | 49 | 209 | 200 | 277 | 264 | 224 | 62 |
| 459 | 73 | 35 | 16 | 18 | -25 | 49 | 209 | 200 | 281 | 267 | 224 | 64 |
| 460 | 73 | 55 | 15 | 19 | -25 | 49 | 208 | 199 | 279 | 265 | 221 | 63 |
| 461 | 74 | 16 | 15 | 17 | -27 | 49 | 207 | 199 | 279 | 265 | 221 | 63 |
| 462 | 74 | 36 | 14 | 18 | -27 | 48 | 207 | 199 | 279 | 265 | 221 | 64 |
| 463 | 74 | 56 | 15 | 17 | -27 | 48 | 206 | 198 | 278 | 264 | 222 | 63 |
| 464 | 75 | 16 | 15 | 17 | -25 | 48 | 207 | 199 | 279 | 264 | 221 | 64 |
| 465 | 75 | 36 | 15 | 18 | -27 | 50 | 209 | 202 | 281 | 265 | 223 | 67 |
| 466 | 75 | 56 | 20 | 23 | -12 | 51 | 221 | 216 | 286 | 265 | 223 | 66 |

| -01 SWEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-16 ENG.1 COMPRS CSE STG-4 4.30 DEG.C | 7-17 ENG.1 COMPRS CSE STG-4 6.00 DEG.C | 7-18 ENG.1 OIL COOLER AIR INLET DEG.C | 7-21 ENG.1 COMPRS CSE STG-5 6.00 DEG.C | 7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C | 7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C | 7-25 ENG.1 POWER TURB CASE 4.00 DEG.C | 7-26 ENG.1 POWER TURB CASE 8.00 DEG.C | 7-27 ENG.1 POWER TURB CASE 12.00 DEG.C | 7-28 ENG.1 WKNSS TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|--|---|--|--|---|---|---|--|---|
| 467 | 76 | 17 | 24 | 25 | -22 | 57 | 222 | 222 | 293 | 267 | 230 | 67 |
| 468 | 76 | 37 | 21 | 24 | -24 | 58 | 219 | 221 | 294 | 271 | 235 | 68 |
| 469 | 76 | 57 | 19 | 23 | -19 | 58 | 214 | 214 | 294 | 273 | 235 | 68 |
| 470 | 77 | 17 | 17 | 20 | -20 | 56 | 210 | 211 | 294 | 272 | 235 | 69 |
| 471 | 77 | 37 | 16 | 17 | -19 | 52 | 206 | 208 | 288 | 271 | 233 | 69 |
| 472 | 77 | 54 | 12 | 16 | -20 | 48 | 204 | 202 | 285 | 267 | 226 | 64 |
| 473 | 78 | 18 | 14 | 14 | -20 | 44 | 205 | 204 | 283 | 270 | 230 | 69 |
| 474 | 78 | 38 | 11 | 15 | -27 | 45 | 204 | 200 | 282 | 269 | 228 | 70 |
| 475 | 78 | 58 | 9 | 13 | -20 | 43 | 202 | 197 | 283 | 269 | 224 | 69 |
| 476 | 79 | 9 | 13 | 13 | -24 | 42 | 205 | 199 | 281 | 267 | 224 | 69 |
| 477 | 79 | 39 | 13 | 16 | -23 | 43 | 211 | 203 | 280 | 266 | 223 | 69 |
| 478 | 79 | 59 | 15 | 17 | -28 | 45 | 213 | 209 | 279 | 267 | 226 | 71 |
| 479 | 80 | 19 | 15 | 17 | -26 | 47 | 211 | 208 | 277 | 267 | 227 | 70 |
| 480 | 80 | 39 | 18 | 19 | -22 | 46 | 213 | 206 | 280 | 268 | 226 | 71 |
| 481 | 81 | 0 | 18 | 20 | -21 | 48 | 215 | 209 | 281 | 269 | 228 | 71 |
| 482 | 81 | 20 | 21 | 23 | -28 | 53 | 218 | 212 | 290 | 272 | 229 | 72 |
| 483 | 81 | 48 | 21 | 23 | -31 | 53 | 218 | 212 | 290 | 272 | 229 | 72 |
| 484 | 82 | 1 | 15 | 18 | -25 | 50 | 226 | 223 | 287 | 271 | 229 | 72 |
| 485 | 82 | 21 | 32 | 28 | -14 | 57 | 272 | 268 | 292 | 272 | 233 | 72 |
| 486 | 82 | 41 | 39 | 33 | -26 | 58 | 283 | 284 | 324 | 286 | 255 | 70 |
| 487 | 83 | 2 | 47 | 31 | -17 | 73 | 281 | 283 | 353 | 306 | 285 | 71 |
| 488 | 83 | 22 | 53 | 37 | -15 | 77 | 286 | 290 | 385 | 315 | 306 | 71 |
| 489 | 83 | 42 | 54 | 35 | -16 | 77 | 286 | 290 | 481 | 324 | 328 | 73 |
| 490 | 84 | 2 | 57 | 31 | -16 | 78 | 273 | 279 | 410 | 324 | 328 | 70 |
| 491 | 84 | 22 | 54 | 31 | -17 | 78 | 257 | 263 | 484 | 328 | 328 | 71 |
| 492 | 84 | 43 | 54 | 32 | -17 | 67 | 252 | 259 | 394 | 324 | 324 | 69 |
| 493 | 85 | 3 | 53 | 32 | -18 | 68 | 255 | 259 | 394 | 324 | 324 | 69 |
| 494 | 85 | 23 | 50 | 33 | -18 | 68 | 255 | 259 | 386 | 307 | 322 | 69 |
| 495 | 85 | 43 | 50 | 33 | -17 | 70 | 258 | 262 | 387 | 304 | 322 | 69 |
| 496 | 86 | 4 | 50 | 32 | -17 | 69 | 260 | 266 | 387 | 301 | 323 | 66 |
| 497 | 86 | 24 | 53 | 32 | -16 | 71 | 260 | 269 | 389 | 301 | 324 | 67 |
| 498 | 86 | 44 | 53 | 31 | -17 | 69 | 263 | 269 | 394 | 301 | 324 | 66 |
| 499 | 86 | 5 | 52 | 29 | -18 | 69 | 261 | 267 | 399 | 300 | 326 | 66 |
| 500 | 87 | 25 | 50 | 28 | -18 | 67 | 259 | 266 | 398 | 298 | 326 | 66 |
| 501 | 87 | 45 | 49 | 29 | -20 | 68 | 259 | 267 | 396 | 297 | 327 | 63 |
| 502 | 88 | 5 | 47 | 27 | -23 | 68 | 260 | 264 | 399 | 299 | 327 | 63 |
| 503 | 88 | 26 | 46 | 24 | -20 | 64 | 258 | 265 | 401 | 298 | 328 | 68 |
| 504 | 88 | 46 | 46 | 26 | -21 | 64 | 258 | 265 | 401 | 297 | 327 | 68 |
| 505 | 89 | 6 | 46 | 26 | -21 | 64 | 258 | 265 | 401 | 297 | 327 | 68 |
| 506 | 89 | 27 | 46 | 28 | -18 | 65 | 259 | 265 | 402 | 297 | 327 | 69 |
| 507 | 89 | 47 | 47 | 29 | -19 | 67 | 259 | 265 | 402 | 297 | 327 | 69 |
| 508 | 90 | 7 | 46 | 29 | -16 | 65 | 268 | 267 | 404 | 296 | 328 | 68 |
| 509 | 90 | 28 | 50 | 33 | -16 | 68 | 270 | 276 | 406 | 296 | 328 | 68 |
| 510 | 90 | 48 | 50 | 33 | -16 | 68 | 270 | 276 | 406 | 296 | 328 | 68 |
| 511 | 91 | 8 | 48 | 29 | -16 | 67 | 268 | 274 | 413 | 297 | 329 | 68 |
| 512 | 91 | 29 | 47 | 28 | -21 | 67 | 267 | 274 | 413 | 297 | 329 | 68 |
| 513 | 91 | 49 | 47 | 28 | -21 | 67 | 267 | 274 | 413 | 297 | 329 | 68 |
| 514 | 92 | 10 | 44 | 24 | -19 | 66 | 261 | 265 | 409 | 297 | 329 | 68 |
| 515 | 92 | 30 | 45 | 30 | -17 | 66 | 260 | 267 | 405 | 297 | 329 | 68 |
| 516 | 92 | 51 | 46 | 30 | -17 | 70 | 262 | 268 | 405 | 297 | 329 | 68 |
| | | | 49 | 32 | -16 | | 266 | 272 | 406 | 298 | 332 | 68 |

| -01 SWEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-16 ENG-1 COMPRS CSE STG.4 4.30 DEC.C | 7-17 ENG-1 COMPRS CSE STG.4 6.00 DEC.C | 7-18 ENG-1 OIL COOLER AIR INLET DEC.C | 7-21 ENG-1 COMPRS CSE STG.5 6.00 DEC.C | 7-23 ENG-1 GAS GN TRB CSE 12.00 DEC.C | 7-24 ENG-1 GAS GN TRB CSE 12.00 DEC.C | 7-25 ENG-1 POWER TURB CASE 4.00 DEC.C | 7-26 ENG-1 POWER TURB CASE 6.00 DEC.C | 7-27 ENG-1 POWER TURB CASE 12.00 DEC.C | 7-28 ENG-1 HRNESS TEMP DEC.C |
|-----------------------|----------------------|----------------------|--|--|---|--|---|---|---|---|--|--|
| 567 | 112 | 17 | 39 | 19 | -27 | 55 | 235 | 242 | 362 | 273 | 296 | 48 |
| 568 | 112 | 37 | 36 | 19 | -25 | 55 | 236 | 242 | 362 | 273 | 296 | 47 |
| 569 | 112 | 58 | 39 | 20 | -27 | 54 | 236 | 242 | 362 | 274 | 297 | 48 |
| 570 | 113 | 18 | 38 | 16 | -28 | 53 | 232 | 238 | 361 | 273 | 295 | 46 |
| 571 | 113 | 38 | 35 | 16 | -28 | 50 | 231 | 238 | 360 | 278 | 293 | 45 |
| 572 | 113 | 59 | 37 | 19 | -28 | 52 | 233 | 241 | 360 | 271 | 294 | 46 |
| 573 | 114 | 19 | 36 | 19 | -26 | 53 | 234 | 240 | 359 | 269 | 292 | 44 |
| 574 | 114 | 40 | 37 | 19 | -27 | 53 | 235 | 242 | 360 | 271 | 295 | 47 |
| 575 | 115 | 8 | 38 | 19 | -27 | 55 | 234 | 242 | 363 | 270 | 295 | 46 |
| 576 | 115 | 20 | 38 | 19 | -27 | 53 | 235 | 241 | 361 | 269 | 295 | 46 |
| 577 | 115 | 41 | 38 | 19 | -27 | 53 | 235 | 242 | 362 | 272 | 294 | 45 |
| 578 | 116 | 1 | 36 | 16 | -27 | 52 | 232 | 246 | 362 | 270 | 295 | 46 |
| 579 | 116 | 21 | 38 | 18 | -27 | 52 | 235 | 241 | 362 | 278 | 296 | 46 |
| 580 | 116 | 42 | 37 | 19 | -26 | 52 | 234 | 248 | 359 | 278 | 293 | 46 |
| 581 | 117 | 2 | 39 | 20 | -26 | 52 | 235 | 243 | 361 | 271 | 295 | 46 |
| 582 | 117 | 22 | * | 19 | -27 | 53 | 233 | 239 | 358 | 278 | 294 | 45 |
| 583 | 117 | 43 | 39 | 22 | -24 | 56 | 238 | 242 | 357 | 273 | 296 | 46 |
| 584 | 118 | 3 | 39 | 23 | -24 | 57 | 238 | 242 | 359 | 274 | 296 | 46 |
| 585 | 118 | 23 | 39 | 23 | -25 | 56 | 233 | 241 | 359 | 272 | 295 | 48 |
| 586 | 118 | 44 | 39 | 22 | -25 | 57 | 233 | 237 | 354 | 274 | 293 | 48 |
| 587 | 119 | 4 | 39 | 23 | -26 | 58 | 238 | 243 | 355 | 272 | 293 | 48 |
| 588 | 119 | 25 | 38 | 20 | -26 | 58 | 237 | 245 | 361 | 272 | 295 | 47 |
| 589 | 119 | 45 | 48 | 19 | -25 | 55 | 237 | 245 | 365 | 272 | 296 | 48 |
| 590 | 120 | 5 | 35 | 15 | -27 | 54 | 235 | 242 | 366 | 278 | 295 | 45 |
| 591 | 120 | 26 | 38 | 16 | -26 | 55 | 234 | 242 | 368 | 271 | 296 | 47 |
| 592 | 120 | 46 | 39 | 16 | -26 | 53 | 235 | 241 | 367 | 270 | 294 | 45 |
| 593 | 121 | 7 | 40 | 17 | -26 | 53 | 237 | 242 | 368 | 272 | 296 | 47 |
| 594 | 121 | 27 | 40 | 19 | -25 | 53 | 235 | 243 | 367 | 273 | 294 | 46 |
| 595 | 121 | 47 | 40 | 19 | -23 | 55 | 238 | 244 | 365 | 272 | 297 | 48 |
| 596 | 122 | 8 | 40 | 21 | -26 | 55 | 236 | 242 | 362 | 272 | 295 | 47 |
| 597 | 122 | 28 | 40 | 21 | -24 | 54 | 235 | 243 | 365 | 274 | 296 | 48 |
| 598 | 122 | 48 | 40 | 20 | -25 | 53 | 234 | 241 | 362 | 271 | 295 | 45 |
| 599 | 123 | 0 | 40 | 19 | -25 | 55 | 236 | 242 | 363 | 273 | 297 | 48 |
| 601 | 123 | 49 | 42 | 21 | -24 | 56 | 236 | 243 | 362 | 274 | 297 | 48 |
| 602 | 124 | 9 | 41 | 22 | -24 | 56 | 236 | 242 | 360 | 273 | 296 | 48 |
| 603 | 124 | 30 | 42 | 22 | -17 | 59 | 245 | 246 | 361 | 276 | 299 | 49 |
| 604 | 124 | 50 | 48 | 29 | -17 | 63 | 248 | 256 | 364 | 278 | 301 | 52 |
| 605 | 125 | 10 | 49 | 31 | -16 | 63 | 251 | 256 | 369 | 281 | 303 | 53 |
| 606 | 125 | 31 | 50 | 31 | -16 | 62 | 253 | 257 | 369 | 282 | 304 | 53 |
| 607 | 125 | 51 | 53 | 33 | -15 | 65 | 254 | 257 | 372 | 286 | 307 | 54 |
| 608 | 126 | 11 | 52 | 30 | -15 | 66 | 254 | 258 | 376 | 288 | 310 | 57 |
| 609 | 126 | 32 | 53 | 32 | -14 | 72 | 261 | 263 | 372 | 291 | 313 | 58 |
| 610 | 127 | 13 | 53 | 37 | -16 | 75 | 269 | 274 | 382 | 296 | 319 | 59 |
| 611 | 127 | 33 | 53 | 41 | -15 | 76 | 269 | 274 | 391 | 298 | 324 | 59 |
| 612 | 127 | 53 | 53 | 41 | -15 | 77 | 268 | 276 | 482 | 301 | 330 | 59 |
| 613 | 127 | 53 | 53 | 41 | -15 | 77 | 268 | 276 | 482 | 301 | 330 | 59 |
| 614 | 128 | 14 | 46 | 34 | -16 | 74 | 267 | 274 | 409 | 303 | 331 | 58 |
| 615 | 128 | 34 | 45 | 35 | -14 | 74 | 267 | 274 | 411 | 302 | 332 | 58 |
| 616 | 128 | 54 | 48 | 31 | -14 | 70 | 264 | 271 | 413 | 301 | 331 | 60 |
| 616 | 129 | 15 | 53 | 29 | -15 | 71 | 259 | 285 | 406 | 302 | 330 | 59 |

| | 7-27 | 7-26 | 7-25 | 7-24 | 7-23 | 7-21 | 7-19 | 7-17 | 7-15 | 7-14 | 7-13 | 7-12 | |
|-----|--|---|---|---|--|--|---|--|--|--------------|--------------|--------------|--------------|
| | ENG.1 POWER TURB CASE 12.00 DEG.C | ENG.1 POWER TURB CASE 8.00 DEG.C | ENG.1 POWER TURB CASE 4.00 DEG.C | ENG.1 GAS GN TRB GN TRB CSE 12.00 DEG.C | ENG.1 GAS GN TRB GN TRB CSE 8.00 DEG.C | ENG.1 COMPRS CSE SIG.5 6.00 DEG.C | ENG.1 OIL COOLER AIR INLET DEG.C | ENG.1 COMPRS CSE SIG.4 6.00 DEG.C | ENG.1 COMPRS CSE SIG.4 4.30 DEG.C | TIME MIN. | TIME SEC. | TIME MIN. | TIME MIN. |
| 611 | 323 | 298 | 395 | 254 | 251 | 70 | -16 | 26 | 51 | 35 | 123 | 611 | |
| 612 | 315 | 292 | 379 | 247 | 242 | 74 | -16 | 27 | 51 | 45 | 124 | 612 | |
| 613 | 307 | 289 | 367 | 240 | 240 | 77 | -19 | 27 | 50 | 15 | 130 | 613 | |
| 623 | 300 | 287 | 359 | 242 | 238 | 76 | -17 | 26 | 50 | 36 | 130 | 623 | |
| 624 | 290 | 285 | 347 | 232 | 225 | 74 | -26 | 26 | 44 | 44 | 130 | 624 | |
| 625 | 282 | 287 | 344 | 233 | 233 | 73 | -28 | 28 | 38 | 16 | 131 | 625 | |
| 626 | 283 | 295 | 353 | 248 | 254 | 70 | -18 | 30 | 36 | 36 | 131 | 626 | |
| 627 | 290 | 302 | 362 | 258 | 258 | 74 | -20 | 36 | 41 | 57 | 131 | 627 | |
| 628 | 283 | 305 | 362 | 257 | 235 | 76 | -24 | 36 | 36 | 17 | 132 | 628 | |
| 629 | 285 | 301 | 337 | 221 | 221 | 71 | -24 | 31 | 27 | 37 | 132 | 629 | |
| 630 | 279 | 295 | 317 | 210 | 212 | 64 | -27 | 28 | 22 | 50 | 132 | 630 | |
| 631 | 227 | 288 | 284 | 198 | 210 | 58 | -28 | 23 | 19 | 18 | 133 | 631 | |
| 632 | 227 | 285 | 285 | 195 | 208 | 55 | -28 | 22 | 19 | 38 | 133 | 632 | |
| 633 | 229 | 279 | 288 | 193 | 206 | 53 | -26 | 20 | 16 | 59 | 133 | 633 | |
| 634 | 229 | 275 | 281 | 193 | 205 | 51 | -27 | 20 | 16 | 19 | 134 | 634 | |
| 635 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 19 | 39 | 134 | 635 | |
| 636 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 134 | 636 | |
| 637 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 637 | |
| 638 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 638 | |
| 639 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 639 | |
| 640 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 640 | |
| 641 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 641 | |
| 642 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 642 | |
| 643 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 643 | |
| 644 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 644 | |
| 645 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 645 | |
| 646 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 646 | |
| 647 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 647 | |
| 648 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 648 | |
| 649 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 649 | |
| 650 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 650 | |
| 651 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 651 | |
| 652 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 652 | |
| 653 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 653 | |
| 654 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 654 | |
| 655 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 655 | |
| 656 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 656 | |
| 657 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 657 | |
| 658 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 658 | |
| 659 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 659 | |
| 660 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 660 | |
| 661 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 661 | |
| 662 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 662 | |
| 663 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 663 | |
| 664 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 664 | |
| 665 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 665 | |
| 666 | 229 | 275 | 281 | 193 | 205 | 51 | -24 | 21 | 18 | 0 | 135 | 666 | |

| -01 SHEEF COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-16 ENG.1 COMPS CSE STG.4 4.30 DEG.C | 7-17 ENG.1 COMPS CSE STG.4 6.00 DEG.C | 7-18 ENG.1 OIL COOLER AIR INLET DEG.C | 7-21 ENG.1 COMPS CSE STG.5 6.00 DEG.C | 7-23 ENG.1 GAS GN TRB CSE 0.00 DEG.C | 7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C | 7-25 ENG.1 POWER TURB CASE 4.00 DEG.C | 7-26 ENG.1 POWER TURB CASE 8.00 DEG.C | 7-27 ENG.1 POWER TURB CASE 12.00 DEG.C | 7-28 ENG.1 T5 HRNESS TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|---|--|---|---|---|--|--|
| 667 | 146 | 20 | 0 | 12 | -29 | 30 | 197 | 191 | 257 | 249 | 210 | 69 |
| 668 | 146 | 40 | 4 | 10 | -29 | 33 | 183 | 186 | 256 | 249 | 207 | 68 |
| 669 | 147 | 8 | 4 | 9 | -28 | 32 | 193 | 185 | 255 | 245 | 205 | 66 |
| 670 | 147 | 28 | 6 | 10 | -27 | 31 | 194 | 190 | 254 | 245 | 205 | 67 |
| 671 | 147 | 49 | 5 | 9 | -28 | 31 | 195 | 187 | 252 | 244 | 205 | 65 |
| 672 | 148 | 9 | 6 | 10 | -27 | 30 | 195 | 189 | 253 | 242 | 206 | 64 |
| 673 | 148 | 29 | 9 | 12 | -27 | 32 | 199 | 194 | 252 | 243 | 207 | 64 |
| 674 | 148 | 49 | 7 | 11 | -28 | 33 | 195 | 187 | 251 | 242 | 206 | 65 |
| 675 | 149 | 9 | 8 | 14 | -27 | 33 | 195 | 184 | 249 | 242 | 203 | 64 |
| 676 | 149 | 30 | 9 | 14 | -26 | 33 | 196 | 183 | 250 | 242 | 203 | 64 |
| 677 | 149 | 50 | 9 | 13 | -28 | 34 | 196 | 183 | 249 | 248 | 202 | 63 |
| 678 | 150 | 10 | 9 | 13 | -26 | 33 | 197 | 183 | 247 | 241 | 201 | 63 |
| 679 | 150 | 30 | 10 | 14 | -27 | 33 | 196 | 183 | 247 | 241 | 201 | 62 |
| 680 | 150 | 51 | 10 | 14 | -27 | 34 | 196 | 184 | 248 | 239 | 200 | 64 |
| 681 | 151 | 11 | 10 | 15 | -28 | 35 | 196 | 182 | 248 | 240 | 200 | 63 |
| 682 | 151 | 31 | 9 | 14 | -25 | 34 | 196 | 181 | 247 | 239 | 199 | 63 |
| 683 | 151 | 51 | 9 | 13 | -26 | 34 | 196 | 181 | 248 | 236 | 198 | 63 |
| 684 | 152 | 12 | 10 | 14 | -25 | 35 | 198 | 183 | 248 | 239 | 199 | 63 |
| 685 | 152 | 32 | 10 | 15 | -23 | 35 | 196 | 184 | 246 | 239 | 198 | 63 |
| 686 | 152 | 52 | 13 | 16 | -19 | 36 | 198 | 184 | 246 | 239 | 198 | 64 |
| 687 | 153 | 13 | 13 | 16 | -26 | 37 | 196 | 186 | 245 | 241 | 199 | 62 |
| 688 | 153 | 33 | 13 | 17 | -25 | 38 | 196 | 184 | 246 | 242 | 200 | 62 |
| 689 | 153 | 53 | 11 | 16 | -26 | 37 | 195 | 182 | 243 | 241 | 198 | 63 |
| 690 | 154 | 13 | 11 | 15 | -24 | 37 | 195 | 181 | 244 | 241 | 199 | 63 |
| 691 | 154 | 34 | 11 | 15 | -26 | 37 | 195 | 180 | 243 | 240 | 199 | 62 |
| 692 | 154 | 53 | 12 | 14 | -25 | 33 | 204 | 189 | 249 | 240 | 202 | 62 |
| 693 | 155 | 14 | 14 | 16 | -25 | 39 | 215 | 202 | 261 | 244 | 209 | 63 |
| 694 | 155 | 34 | 14 | 17 | -24 | 45 | 218 | 207 | 273 | 246 | 214 | 63 |
| 695 | 155 | 55 | 16 | 19 | -23 | 50 | 222 | 207 | 281 | 246 | 220 | 64 |
| 696 | 156 | 15 | 16 | 19 | -26 | 51 | 219 | 209 | 283 | 244 | 224 | 64 |
| 697 | 156 | 35 | 17 | 19 | -22 | 52 | 218 | 209 | 287 | 240 | 227 | 65 |
| 698 | 156 | 56 | 16 | 19 | -24 | 53 | 216 | 207 | 286 | 241 | 229 | 65 |
| 699 | 157 | 16 | 16 | 17 | -28 | 51 | 216 | 203 | 266 | 242 | 225 | 62 |
| 701 | 158 | 16 | 16 | 17 | -27 | 34 | 177 | 168 | 269 | 233 | 225 | 62 |
| 702 | 158 | 36 | 16 | 18 | -27 | 22 | 181 | 165 | 256 | 243 | 214 | 63 |
| 703 | 158 | 56 | 16 | 18 | -26 | 13 | 182 | 164 | 242 | 232 | 205 | 63 |
| | | | -6 | -5 | -20 | 7 | 181 | 161 | 230 | 224 | 197 | 63 |

57C 5/N 66-10354
 PRACTICE TEST
 15 JANUARY 1971
 RUN NO. 3 -40 DEG C/ -40 DEG F

| COI SWEEP COUNT | R-22 TIME MIN. | R-21 TIME SEC. | R-21 ENG. OIL COOLER AIR INLET DEG.C | R-24 ENG. OIL COOLER AIR OUTLET DEG.C |
|-----------------------|----------------------|----------------------|---|--|
| 272 | 11 | 44 | -24 | -27 |
| 273 | 12 | 4 | -23 | -26 |
| 274 | 12 | 23 | -23 | -26 |
| 275 | 12 | 42 | -23 | -26 |
| 276 | 13 | 2 | -23 | -26 |
| 277 | 13 | 21 | -23 | -26 |
| 278 | 13 | 41 | -24 | -25 |
| 279 | 14 | 0 | -24 | -25 |
| 280 | 14 | 20 | -25 | -26 |
| 281 | 14 | 39 | -23 | -26 |
| 282 | 14 | 59 | -19 | -25 |
| 283 | 15 | 18 | -22 | -25 |
| 284 | 15 | 38 | -22 | -25 |
| 285 | 15 | 57 | -23 | -25 |
| 286 | 16 | 16 | -23 | -25 |
| 287 | 16 | 36 | -23 | -25 |
| 288 | 16 | 55 | -23 | -25 |
| 289 | 17 | 15 | -24 | -25 |
| 290 | 17 | 34 | -21 | -25 |
| 291 | 17 | 53 | -23 | -25 |
| 292 | 18 | 13 | -22 | -25 |
| 293 | 18 | 32 | -22 | -25 |
| 294 | 18 | 52 | -23 | -25 |
| 295 | 19 | 11 | -24 | -25 |
| 296 | 19 | 30 | -23 | -24 |
| 297 | 19 | 50 | -22 | -25 |
| 298 | 20 | 9 | -24 | -25 |
| 299 | 20 | 29 | -22 | -26 |
| 300 | 20 | 48 | -22 | -25 |
| 301 | 21 | 7 | -24 | -25 |
| 302 | 21 | 27 | -25 | -26 |
| 303 | 21 | 46 | -25 | -26 |
| 304 | 22 | 6 | -24 | -26 |
| 305 | 22 | 25 | -23 | -26 |
| 306 | 22 | 44 | -23 | -26 |
| 307 | 23 | 4 | -21 | -26 |
| 308 | 23 | 23 | -24 | -26 |
| 309 | 23 | 43 | -24 | -26 |
| 310 | 24 | 2 | -25 | -26 |
| 311 | 24 | 22 | -25 | -27 |
| 312 | 24 | 41 | -26 | -27 |
| 313 | 25 | 1 | -25 | -26 |
| 314 | 25 | 20 | -26 | -26 |
| 315 | 25 | 40 | -26 | -26 |
| 316 | 25 | 59 | -25 | -26 |

| -01 SWEEP COUNT | 8-02 TIME MIN. | 8-03 TIME SEC. | 8-23 | | 8-24 | |
|-----------------------|----------------------|----------------------|---|--|------|--|
| | | | ENG.2 OIL COOLER AIR INLET DEG.C | ENG.2 OIL COOLER AIR OUTLET DEG.C | | |
| 317 | 26 | 19 | -24 | -24 | | |
| 318 | 26 | 36 | -24 | -26 | | |
| 319 | 26 | 58 | -24 | -26 | | |
| 320 | 27 | 17 | -25 | -26 | | |
| 321 | 27 | 37 | -24 | -26 | | |
| 322 | 27 | 57 | -24 | -26 | | |
| 323 | 28 | 16 | -25 | -26 | | |
| 324 | 28 | 36 | -26 | -26 | | |
| 325 | 28 | 56 | -27 | -26 | | |
| 326 | 29 | 15 | -27 | -26 | | |
| 327 | 29 | 35 | -27 | -27 | | |
| 328 | 29 | 55 | -27 | -27 | | |
| 329 | 30 | 14 | -27 | -27 | | |
| 330 | 30 | 34 | -26 | -26 | | |
| 331 | 30 | 54 | -27 | -27 | | |
| 332 | 31 | 13 | -27 | -26 | | |
| 333 | 31 | 33 | -27 | -26 | | |
| 334 | 31 | 53 | -28 | -26 | | |
| 335 | 32 | 13 | -27 | -26 | | |
| 336 | 32 | 32 | -26 | -27 | | |
| 337 | 32 | 52 | -27 | -27 | | |
| 338 | 33 | 12 | -24 | -26 | | |
| 339 | 33 | 32 | -26 | -27 | | |
| 340 | 33 | 52 | -25 | -26 | | |
| 341 | 34 | 11 | -26 | -27 | | |
| 342 | 34 | 31 | -26 | -27 | | |
| 343 | 34 | 51 | -26 | -27 | | |
| 344 | 35 | 11 | -24 | -26 | | |
| 345 | 35 | 31 | -26 | -26 | | |
| 346 | 35 | 51 | -25 | -26 | | |
| 347 | 36 | 11 | -26 | -26 | | |
| 348 | 36 | 30 | -26 | -26 | | |
| 349 | 36 | 50 | -27 | -27 | | |
| 350 | 37 | 10 | -26 | -27 | | |
| 351 | 37 | 30 | -27 | -26 | | |
| 352 | 37 | 50 | -26 | -27 | | |
| 353 | 38 | 10 | -27 | -26 | | |
| 354 | 38 | 30 | -28 | -27 | | |
| 355 | 38 | 50 | -28 | -27 | | |
| 356 | 39 | 10 | -27 | -27 | | |
| 357 | 39 | 30 | -28 | -27 | | |
| 358 | 39 | 50 | -27 | -27 | | |
| 359 | 40 | 10 | -25 | -27 | | |
| 360 | 40 | 30 | -25 | -26 | | |
| 361 | 40 | 50 | -26 | -27 | | |
| 362 | 41 | 9 | -28 | -28 | | |
| 363 | 41 | 29 | -21 | -27 | | |
| 364 | 41 | 50 | -20 | -27 | | |
| 365 | 42 | 10 | -21 | -27 | | |
| 366 | 42 | 30 | -23 | -27 | | |

| TIME | MIN. | 5-24 TEMP | 5-24 JEG. | 5-24 ENG. OIL COOLER AIR INLET 953.C | 5-24 ENG. OIL COOLER AIR OUTLET 953.C |
|------|------|--------------|--------------|---|--|
| 367 | 42 | 50 | | -24 | -28 |
| 368 | 43 | 50 | | -24 | -28 |
| 369 | 43 | 50 | | -20 | -28 |
| 370 | 43 | 50 | | -24 | -28 |
| 371 | 44 | 50 | | -21 | -28 |
| 372 | 44 | 50 | | -23 | -27 |
| 373 | 44 | 50 | | -20 | -28 |
| 374 | 45 | 50 | | -22 | -27 |
| 375 | 45 | 50 | | -21 | -27 |
| 376 | 45 | 50 | | -20 | -27 |
| 377 | 46 | 50 | | -17 | -27 |
| 378 | 46 | 50 | | -20 | -27 |
| 379 | 46 | 50 | | -21 | -27 |
| 380 | 47 | 50 | | -15 | -27 |
| 381 | 47 | 50 | | -21 | -27 |
| 382 | 47 | 50 | | -18 | -27 |
| 383 | 48 | 50 | | -11 | -26 |
| 384 | 48 | 50 | | -9 | -26 |
| 385 | 48 | 50 | | -8 | -26 |
| 386 | 49 | 50 | | -13 | -26 |
| 387 | 49 | 50 | | -17 | -27 |
| 388 | 49 | 50 | | -18 | -27 |
| 389 | 50 | 50 | | -20 | -27 |
| 390 | 50 | 50 | | -20 | -27 |
| 391 | 50 | 50 | | -19 | -26 |
| 392 | 51 | 50 | | -15 | -26 |
| 393 | 51 | 50 | | -19 | -26 |
| 394 | 51 | 50 | | -20 | -26 |
| 395 | 52 | 50 | | -21 | -26 |
| 396 | 52 | 50 | | -18 | -26 |
| 397 | 52 | 50 | | -10 | -26 |
| 398 | 53 | 50 | | -20 | -26 |
| 399 | 53 | 50 | | -21 | -26 |
| 400 | 53 | 50 | | -22 | -26 |
| 401 | 54 | 50 | | -21 | -26 |
| 402 | 54 | 50 | | -19 | -26 |
| 403 | 54 | 50 | | -20 | -26 |
| 404 | 55 | 50 | | -22 | -26 |
| 405 | 55 | 50 | | -22 | -26 |
| 406 | 55 | 50 | | -22 | -26 |
| 407 | 56 | 50 | | -21 | -26 |
| 408 | 56 | 50 | | -23 | -26 |
| 409 | 56 | 50 | | -18 | -26 |
| 410 | 57 | 50 | | -23 | -26 |
| 411 | 57 | 50 | | -19 | -26 |
| 412 | 57 | 50 | | -16 | -26 |
| 413 | 58 | 50 | | -23 | -26 |
| 414 | 58 | 50 | | -16 | -26 |
| 415 | 58 | 50 | | -18 | -26 |
| 416 | 59 | 50 | | -18 | -26 |

| -01 SHEEP COUNT | 8-02 TIME MIN. | 8-03 TIME SEC. | 8-23 | | 8-24 | |
|-----------------------|----------------------|----------------------|----------------|-----------------|--------------|---------------|
| | | | COOLER OIL | COOLER AIR | ENG.2 OVL | COOLER AIR |
| | | | INLET DEG.C | OUTLET DEG.C | | |
| 417 | 59 | 34 | -27 | -27 | -27 | -27 |
| 418 | 59 | 54 | -27 | -27 | -27 | -27 |
| 419 | 60 | 14 | -28 | -28 | -27 | -27 |
| 420 | 60 | 34 | -27 | -27 | -27 | -27 |
| 421 | 60 | 55 | -24 | -24 | -26 | -26 |
| 422 | 61 | 15 | -27 | -27 | -25 | -25 |
| 423 | 61 | 35 | -25 | -25 | -25 | -25 |
| 424 | 61 | 55 | -26 | -26 | -23 | -23 |
| 425 | 62 | 15 | -26 | -26 | -20 | -20 |
| 426 | 62 | 35 | -25 | -25 | -14 | -14 |
| 427 | 62 | 55 | -25 | -25 | -12 | -12 |
| 428 | 63 | 15 | -25 | -25 | -13 | -13 |
| 429 | 63 | 35 | -25 | -25 | -9 | -9 |
| 430 | 63 | 55 | -26 | -26 | -13 | -13 |
| 431 | 64 | 16 | -27 | -27 | -13 | -13 |
| 432 | 64 | 36 | -26 | -26 | -13 | -13 |
| 433 | 64 | 56 | -26 | -26 | -11 | -11 |
| 434 | 65 | 16 | -25 | -25 | -11 | -11 |
| 435 | 65 | 36 | -26 | -26 | -12 | -12 |
| 436 | 65 | 56 | -21 | -21 | -14 | -14 |
| 437 | 66 | 16 | -20 | -20 | -14 | -14 |
| 438 | 66 | 36 | -26 | -26 | -13 | -13 |
| 439 | 66 | 56 | -27 | -27 | -13 | -13 |
| 440 | 67 | 16 | -26 | -26 | -14 | -14 |
| 441 | 67 | 36 | -25 | -25 | -12 | -12 |
| 442 | 67 | 56 | -25 | -25 | -11 | -11 |
| 443 | 68 | 16 | -27 | -27 | -12 | -12 |
| 444 | 68 | 36 | -26 | -26 | -12 | -12 |
| 445 | 68 | 56 | -25 | -25 | -18 | -18 |
| 446 | 69 | 16 | -25 | -25 | -12 | -12 |
| 447 | 69 | 36 | -27 | -27 | -12 | -12 |
| 448 | 69 | 56 | -26 | -26 | -11 | -11 |
| 449 | 70 | 16 | -27 | -27 | -13 | -13 |
| 450 | 70 | 37 | -26 | -26 | -12 | -12 |
| 451 | 70 | 57 | -27 | -27 | -12 | -12 |
| 452 | 71 | 17 | -27 | -27 | -12 | -12 |
| 453 | 71 | 37 | -26 | -26 | -11 | -11 |
| 454 | 71 | 57 | -25 | -25 | -18 | -18 |
| 455 | 72 | 17 | -26 | -26 | -13 | -13 |
| 456 | 72 | 37 | -27 | -27 | -14 | -14 |
| 457 | 72 | 57 | -27 | -27 | -14 | -14 |
| 458 | 73 | 18 | -27 | -27 | -14 | -14 |
| 459 | 73 | 38 | -26 | -26 | -14 | -14 |
| 460 | 73 | 58 | -26 | -26 | -12 | -12 |
| 461 | 74 | 18 | -26 | -26 | -15 | -15 |
| 462 | 74 | 38 | -27 | -27 | -14 | -14 |
| 463 | 74 | 58 | -27 | -27 | -14 | -14 |
| 464 | 75 | 19 | -27 | -27 | -14 | -14 |
| 465 | 75 | 39 | -16 | -16 | -7 | -7 |
| 466 | 75 | 59 | -15 | -15 | -2 | -2 |

| CATER COUNT | 8-22 | | 8-23 | | 8-24 | |
|----------------|--------------|------|---|--|--|--|
| | TIME MIN. | SEC. | ENG.2 OIL COOLER AIR INLET DEG.C | ENG.2 OIL COOLER AIR OUTLET DEG.C | ENG.2 OIL COOLER AIR OUTLET DEG.C | ENG.2 OIL COOLER AIR OUTLET DEG.C |
| 467 | 73 | 14 | -24 | -8 | -13 | -13 |
| 468 | 75 | 32 | -27 | -19 | -24 | -24 |
| 469 | 76 | 59 | -27 | -27 | -27 | -27 |
| 470 | 77 | 20 | -27 | -27 | -27 | -27 |
| 471 | 77 | 40 | -27 | -27 | -27 | -27 |
| 472 | 78 | 0 | -27 | -27 | -27 | -27 |
| 473 | 78 | 20 | -27 | -27 | -27 | -27 |
| 474 | 78 | 40 | -27 | -27 | -27 | -27 |
| 475 | 79 | 1 | -27 | -27 | -27 | -27 |
| 476 | 79 | 21 | -27 | -27 | -27 | -27 |
| 477 | 79 | 41 | -27 | -27 | -27 | -27 |
| 478 | 80 | 1 | -31 | -31 | -31 | -31 |
| 479 | 80 | 22 | -31 | -31 | -31 | -31 |
| 480 | 80 | 42 | -22 | -20 | -20 | -20 |
| 481 | 81 | 2 | -23 | -18 | -18 | -18 |
| 482 | 81 | 22 | -28 | -25 | -25 | -25 |
| 483 | 81 | 43 | -31 | -29 | -29 | -29 |
| 484 | 82 | 3 | -26 | -23 | -23 | -23 |
| 485 | 82 | 23 | -17 | -15 | -15 | -15 |
| 486 | 82 | 44 | -24 | -21 | -21 | -21 |
| 487 | 83 | 4 | -15 | -9 | -9 | -9 |
| 488 | 83 | 24 | -16 | -1 | -1 | -1 |
| 489 | 83 | 44 | -16 | -2 | -2 | -2 |
| 490 | 84 | 5 | -15 | -2 | -2 | -2 |
| 491 | 84 | 25 | -16 | -2 | -2 | -2 |
| 492 | 84 | 45 | -18 | -4 | -4 | -4 |
| 493 | 85 | 5 | -19 | -7 | -7 | -7 |
| 494 | 85 | 26 | -17 | -5 | -5 | -5 |
| 495 | 85 | 46 | -15 | -4 | -4 | -4 |
| 496 | 86 | 6 | -16 | -2 | -2 | -2 |
| 497 | 86 | 26 | -18 | -5 | -5 | -5 |
| 498 | 86 | 47 | -18 | -8 | -8 | -8 |
| 499 | 87 | 7 | -18 | -6 | -6 | -6 |
| 500 | 87 | 27 | -21 | -9 | -9 | -9 |
| 501 | 87 | 44 | -23 | -16 | -16 | -16 |
| 502 | 88 | 8 | -20 | -16 | -16 | -16 |
| 503 | 88 | 28 | -19 | -14 | -14 | -14 |
| 504 | 88 | 49 | -20 | -15 | -15 | -15 |
| 505 | 89 | 9 | -18 | -11 | -11 | -11 |
| 506 | 89 | 29 | -20 | -10 | -10 | -10 |
| 507 | 89 | 49 | -16 | -3 | -3 | -3 |
| 508 | 90 | 10 | -15 | -3 | -3 | -3 |
| 509 | 90 | 30 | -17 | -4 | -4 | -4 |
| 510 | 90 | 50 | -19 | -8 | -8 | -8 |
| 511 | 91 | 11 | -16 | -5 | -5 | -5 |
| 512 | 91 | 31 | -21 | -12 | -12 | -12 |
| 513 | 91 | 52 | -17 | -10 | -10 | -10 |
| 514 | 92 | 12 | -17 | -6 | -6 | -6 |
| 515 | 92 | 33 | -18 | -7 | -7 | -7 |
| 516 | 92 | 53 | -16 | -3 | -3 | -3 |

| -01 SNEEP COUNT | 8-02 TIME MIN. | 8-03 TIME SEC. | 8-23 ENG-2 OIL COOLER AIR INLET DEG.C | 8-24 ENG-2 OIL COOLER AIR OUTLET DEG.C |
|-----------------------|----------------------|----------------------|---|--|
| 517 | 93 | 14 | -16 | -5 |
| 518 | 93 | 38 | -16 | -4 |
| 519 | 95 | 55 | -16 | -3 |
| 520 | 96 | 15 | -16 | -4 |
| 521 | 96 | 36 | -14 | -3 |
| 522 | 96 | 56 | -18 | -8 |
| 523 | 97 | 17 | -10 | -9 |
| 524 | 97 | 34 | -14 | -9 |
| 525 | 97 | 58 | -17 | -6 |
| 526 | 98 | 19 | -16 | -4 |
| 527 | 98 | 39 | -17 | -5 |
| 528 | 99 | 0 | -16 | -7 |
| 529 | 99 | 21 | -16 | -5 |
| 530 | 99 | 41 | -16 | -6 |
| 531 | 100 | 2 | -18 | -8 |
| 532 | 100 | 22 | -24 | -21 |
| 533 | 100 | 43 | -27 | -27 |
| 534 | 101 | 3 | -28 | -27 |
| 535 | 101 | 24 | -28 | -27 |
| 536 | 101 | 44 | -30 | -28 |
| 537 | 102 | 5 | -27 | -28 |
| 538 | 102 | 25 | -26 | -26 |
| 539 | 102 | 46 | -24 | -21 |
| 540 | 103 | 6 | -26 | -25 |
| 541 | 103 | 27 | -30 | -28 |
| 542 | 103 | 47 | -28 | -28 |
| 543 | 104 | 8 | -28 | -27 |
| 544 | 104 | 28 | -24 | -25 |
| 545 | 104 | 49 | -28 | -25 |
| 546 | 105 | 9 | -26 | -24 |
| 547 | 105 | 30 | -26 | -25 |
| 548 | 105 | 50 | -27 | -24 |
| 549 | 106 | 11 | -25 | -24 |
| 550 | 106 | 31 | -28 | -26 |
| 551 | 106 | 52 | -23 | -23 |
| 552 | 107 | 12 | -25 | -22 |
| 553 | 107 | 33 | -27 | -25 |
| 554 | 107 | 53 | -25 | -25 |
| 555 | 108 | 13 | -28 | -25 |
| 556 | 108 | 34 | -27 | -26 |
| 557 | 108 | 54 | -26 | -26 |
| 558 | 109 | 15 | -27 | -26 |
| 559 | 109 | 35 | -27 | -26 |
| 560 | 109 | 56 | -24 | -24 |
| 561 | 110 | 16 | -28 | -27 |
| 562 | 110 | 37 | -25 | -24 |
| 563 | 110 | 57 | -26 | -25 |
| 564 | 111 | 14 | -27 | -25 |
| 565 | 111 | 38 | -26 | -24 |
| 566 | 111 | 59 | -24 | -22 |

| SWEEP COUNT | TIME MIN. | TIME SEC. | 6-23 ENG-2 OIL COOLER AIR INLET DEG.C | 8-24 ENG-2 OIL COOLER AIR OUTLET DEG.C |
|----------------|--------------|--------------|---|--|
| 567 | 112 | 19 | -26 | -24 |
| 568 | 112 | 40 | -24 | -23 |
| 569 | 113 | 1 | -27 | -26 |
| 570 | 113 | 23 | -28 | -27 |
| 571 | 113 | 41 | -27 | -27 |
| 572 | 114 | 1 | -26 | -26 |
| 573 | 114 | 22 | -27 | -26 |
| 574 | 114 | 42 | -26 | -25 |
| 575 | 115 | 2 | -27 | -26 |
| 576 | 115 | 23 | -27 | -24 |
| 577 | 115 | 43 | -27 | -27 |
| 578 | 116 | 3 | -27 | -26 |
| 579 | 116 | 24 | -26 | -27 |
| 580 | 116 | 44 | -24 | -23 |
| 581 | 117 | 4 | -28 | -26 |
| 582 | 117 | 25 | -25 | -24 |
| 583 | 117 | 45 | -23 | -22 |
| 584 | 118 | 5 | -23 | -22 |
| 585 | 118 | 26 | -26 | -24 |
| 586 | 118 | 46 | -25 | -23 |
| 587 | 119 | 7 | -27 | -26 |
| 588 | 119 | 27 | -25 | -24 |
| 589 | 119 | 47 | -25 | -24 |
| 590 | 120 | 8 | -25 | -26 |
| 591 | 120 | 28 | -27 | -26 |
| 592 | 120 | 49 | -26 | -25 |
| 593 | 121 | 9 | -26 | -27 |
| 594 | 121 | 29 | -25 | -24 |
| 595 | 121 | 50 | -22 | -21 |
| 596 | 122 | 10 | -25 | -24 |
| 597 | 122 | 30 | -24 | -24 |
| 598 | 122 | 51 | -25 | -25 |
| 599 | 123 | 11 | -24 | -24 |
| 600 | 123 | 52 | -23 | -22 |
| 601 | 124 | 12 | -23 | -22 |
| 602 | 124 | 32 | -19 | -15 |
| 603 | 124 | 53 | -18 | -11 |
| 604 | 125 | 13 | -16 | -6 |
| 605 | 125 | 33 | -15 | -2 |
| 606 | 125 | 54 | -16 | -2 |
| 607 | 126 | 14 | -16 | -3 |
| 608 | 126 | 34 | -16 | -1 |
| 609 | 126 | 55 | -15 | -1 |
| 610 | 127 | 15 | -14 | -2 |
| 611 | 127 | 35 | -15 | -3 |
| 612 | 127 | 56 | -15 | -4 |
| 613 | 128 | 16 | -14 | -3 |
| 614 | 128 | 36 | -15 | -3 |
| 615 | 128 | 57 | -16 | -2 |
| 616 | 129 | 17 | -16 | -4 |

| -01 SWEET COUNT | A-02 TIME MIN. | A-03 TIME SEC. | 8-23 | | 8-24 | |
|-----------------------|----------------------|----------------------|---|--|------|--|
| | | | ENG.2 OIL COOLER AIR INLET DEG.C | ENG.2 OIL COOLER AIR OUTLET DEG.C | | |
| 617 | 129 | 37 | -15 | -2 | | |
| 618 | 129 | 57 | -14 | -4 | | |
| 619 | 130 | 18 | -18 | -7 | | |
| 620 | 130 | 38 | -19 | -9 | | |
| 621 | 130 | 58 | -28 | -21 | | |
| 622 | 131 | 18 | -29 | -27 | | |
| 623 | 131 | 39 | -21 | -19 | | |
| 624 | 131 | 59 | -19 | -10 | | |
| 625 | 132 | 19 | -26 | -11 | | |
| 626 | 132 | 40 | -25 | -12 | | |
| 627 | 133 | 0 | -27 | -21 | | |
| 628 | 133 | 20 | -27 | -24 | | |
| 629 | 133 | 41 | -28 | -25 | | |
| 630 | 134 | 1 | -28 | -24 | | |
| 631 | 134 | 22 | -26 | -24 | | |
| 632 | 134 | 42 | -23 | -18 | | |
| 633 | 135 | 2 | -26 | -24 | | |
| 634 | 135 | 23 | -27 | -24 | | |
| 635 | 135 | 43 | -27 | -25 | | |
| 636 | 136 | 3 | -25 | -24 | | |
| 637 | 136 | 24 | -21 | -16 | | |
| 638 | 136 | 44 | -28 | -24 | | |
| 639 | 137 | 4 | -29 | -28 | | |
| 640 | 137 | 25 | -29 | -28 | | |
| 641 | 137 | 45 | -30 | -31 | | |
| 642 | 139 | 5 | -24 | -26 | | |
| 643 | 139 | 26 | -17 | -11 | | |
| 644 | 138 | 46 | -14 | -1 | | |
| 645 | 139 | 6 | -16 | -3 | | |
| 646 | 139 | 26 | -15 | -3 | | |
| 647 | 139 | 47 | -20 | -8 | | |
| 648 | 140 | 7 | -28 | -24 | | |
| 649 | 140 | 27 | -31 | -28 | | |
| 650 | 140 | 47 | -31 | -30 | | |
| 651 | 141 | 7 | -22 | -24 | | |
| 652 | 141 | 27 | -28 | -27 | | |
| 653 | 141 | 48 | -28 | -27 | | |
| 654 | 142 | 8 | -29 | -29 | | |
| 655 | 142 | 28 | -25 | -24 | | |
| 656 | 142 | 48 | -27 | -23 | | |
| 657 | 143 | 8 | -26 | -24 | | |
| 658 | 143 | 29 | -25 | -22 | | |
| 659 | 143 | 49 | -28 | -26 | | |
| 660 | 144 | 9 | -25 | -23 | | |
| 661 | 144 | 29 | -20 | -25 | | |
| 662 | 144 | 49 | -27 | -23 | | |
| 663 | 145 | 10 | -26 | -24 | | |
| 664 | 145 | 30 | -21 | -16 | | |
| 665 | 145 | 50 | -28 | -25 | | |
| 666 | 146 | 10 | -27 | -24 | | |

| SLEEP COUNT | 8-02 | | 4-03 | | 8-23 | | 8-24 | |
|----------------|--------------|------|--------------|------|--|--|--|--|
| | TIME MIN. | SEC. | TIME MIN. | SEC. | ENG.#2 OIL COOLER AIR INLET DEG.C | ENG.#2 OIL COOLER AIR INLET DEG.C | ENG.#2 OIL COOLER AIR INLET DEG.C | ENG.#2 OIL COOLER AIR INLET DEG.C |
| 667 | 145 | 30 | | | -29 | -27 | -27 | |
| 668 | 146 | 50 | | | -29 | -28 | -28 | |
| 669 | 147 | 11 | | | -31 | -30 | -30 | |
| 670 | 147 | 31 | | | -28 | -26 | -26 | |
| 671 | 147 | 51 | | | -26 | -25 | -25 | |
| 672 | 148 | 11 | | | -27 | -26 | -26 | |
| 673 | 148 | 31 | | | -28 | -28 | -28 | |
| 674 | 148 | 52 | | | -28 | -27 | -27 | |
| 675 | 149 | 12 | | | -27 | -26 | -26 | |
| 676 | 149 | 32 | | | -28 | -27 | -27 | |
| 677 | 149 | 52 | | | -27 | -27 | -27 | |
| 678 | 150 | 13 | | | -28 | -26 | -26 | |
| 679 | 150 | 33 | | | -28 | -27 | -27 | |
| 680 | 150 | 53 | | | -28 | -27 | -27 | |
| 681 | 151 | 13 | | | -28 | -26 | -26 | |
| 682 | 151 | 34 | | | -28 | -27 | -27 | |
| 683 | 151 | 54 | | | -27 | -27 | -27 | |
| 684 | 152 | 14 | | | -27 | -27 | -27 | |
| 685 | 152 | 34 | | | -28 | -27 | -27 | |
| 686 | 152 | 55 | | | -27 | -25 | -25 | |
| 687 | 153 | 15 | | | -28 | -28 | -28 | |
| 688 | 153 | 35 | | | -28 | -27 | -27 | |
| 689 | 153 | 55 | | | -28 | -27 | -27 | |
| 690 | 154 | 16 | | | -27 | -27 | -27 | |
| 691 | 154 | 36 | | | -28 | -27 | -27 | |
| 692 | 154 | 56 | | | -28 | -26 | -26 | |
| 693 | 155 | 16 | | | -29 | -27 | -27 | |
| 694 | 155 | 37 | | | -29 | -28 | -28 | |
| 695 | 155 | 57 | | | -25 | -26 | -26 | |
| 696 | 156 | 17 | | | -25 | -16 | -16 | |
| 697 | 156 | 38 | | | -22 | -16 | -16 | |
| 698 | 156 | 58 | | | -20 | -17 | -17 | |
| 699 | 157 | 18 | | | -19 | -19 | -19 | |
| 700 | 157 | 38 | | | -20 | -17 | -17 | |
| 701 | 158 | 18 | | | -23 | -14 | -14 | |
| 702 | 158 | 39 | | | -26 | -13 | -13 | |
| 703 | 158 | 59 | | | -24 | -8 | -8 | |

RUN 4, -46°C/-50°F, 16 JANUARY 1971

Test Synopsis:

Soak time: 17 hours at -42 to -46°C

Start temperature: -47°C

Instrumentation: photopanel only

Heat application: none

(Ground test)

This was a very good cold soak, averaging approximately -46°C (-50°F). Operation of the digital recording system was purposely avoided so as not to apply heat of any kind to the aircraft. As a result only photopanel data are presented. The APP had trouble starting during this test. On the first start it had a high EGT, resulting in an automatic shutdown by the overtemp circuit breaker. On the second start the clutch shaft sheared. The aircraft heater also failed due to an ignition vibrator failure.

Pertinent information.

The APP start system includes a modified start valve to provide improved cold weather starting.

Event Sheet:

Photo Recorder

| <u>Frame No.</u> | <u>Event</u> |
|------------------|---|
| 62-106 | APP - start |
| 106 | EGT overtemp - automatic shutdown occurred after overtemp |
| 106-140 | APP shutdown |
| 172-220 | APP - second start |
| 256 | Clutch shaft failure - dc bus voltage momentarily went to 0 at frame No. 256, indicating start of shaft failure |
| 549-581 | APP - third start; this start undoubtedly represents an unloaded APP start due to the clutch shaft failure |
| 685-711 | APP - shutdown |

PHOTO RECORDER DATA

Run 4, -46°C/-50°F

16 Jan 71

APP Start (First of 3 Starts)

| Camera Frame No. | Clock Time | Elapsed Time (sec) | Start Motor Inlet Press. (psig) | Start Motor Outlet Press. (psig) | rpm (pct) | EGT (deg C) | Oil Press. (psig) | Oil Temp (deg C) | Start Light Speed Monitor Position OFF-Start ON-Run |
|------------------|------------|--------------------|---------------------------------|----------------------------------|-----------|-------------|-------------------|------------------|---|
| 62 | 0947 | 0.00 | 0 | 0 | 0.0 | 0 | 0 | -40 | START |
| 64 | ↑ | 0.50 | 2900 | 0 | 0.5 | 0 | 0 | ↑ | ↑ |
| 66 | | 1.00 | 3700 | 0 | 6.0 | 0 | 0 | ↓ | |
| 67 | | 1.25 | 3500 | 0 | 16.0 | 0 | 0 | ↓ | |
| 68 | | 1.50 | 3350 | 0 | 13.0 | 0 | 0 | -40 | |
| 69 | | 1.75 | 3275 | 0 | 17.0 | 0 | 0 | -35 | |
| 70 | | 2.00 | 3225 | 0 | 16.0 | 0 | 0 | ↑ | |
| 72 | | 2.50 | 3000 | 0 | 20.0 | 0 | 0 | ↑ | |
| 74 | | 3.00 | 2800 | 0 | 22.0 | 50 | 0 | ↑ | |
| 78 | | 4.00 | 2500 | 20 | 26.0 | 120 | 5 | ↑ | |
| 86 | | 6.00 | 2025 | 40 | 30.0 | 230 | 44 | ↑ | |
| 94 | | 8.00 | 100 | 40 | 34.0 | 340 | 77 | ↑ | |
| 102 | | 10.00 | 100 | 20 | 44.0 | 400 | 88 | ↑ | |
| 106 | | 11.00 | 100 | 10 | 57.0 | 740 | 99 | ↑ | |
| 108 | 11.50 | 100 | 10 | 62.0 | 737 | 100 | ↑ | | |
| 109 | 11.75 | 100 | 10 | 60.0 | 667 | 100 | ↑ | | |
| 110 | 12.00 | 100 | 10 | 54.0 | 579 | 100 | ↑ | | |
| 114 | 13.00 | 100 | 5 | 40.0 | 339 | 99 | ↑ | | |
| 118 | 14.00 | 100 | 5 | 31.0 | 259 | 86 | ↑ | | |
| 122 | 15.00 | 100 | 0 | 24.0 | 209 | 76 | ↑ | | |
| 126 | 16.00 | 100 | 0 | 18.0 | 199 | 67 | ↑ | | |
| 134 | 18.00 | 0 | 0 | 11.0 | 189 | 51 | ↑ | | |
| 138 | 19.00 | 0 | 0 | 5.0 | 189 | 46 | ↑ | | |
| 139 | 19.25 | 0 | 0 | 5.0 | 189 | 45 | ↑ | | |
| 140 | 0947 | 43.25 | 0 | 0 | 0.5 | 179 | 3 | -35 | START |

PHOTO RECORDER DATA

Run 4, -46°C/-50°F 16 Jan 71

APP Start (Second of 3 Starts)

| Camera Frame No. | Clock Time | Elapsed Time (sec) | Start Motor Inlet Press. (psig) | Start Motor Outlet Press. (psig) | rpm (pct) | EGT (deg C) | Oil Press. (psig) | Oil Temp (deg C) | Start Light Speed Monitor Position OFF-Start ON-Run | dc Bus (volts) |
|------------------|------------|--------------------|---------------------------------|----------------------------------|-----------|-------------|-------------------|------------------|---|----------------|
| 171 | 1021 | 0.00 | 0 | 0 | 0 | 0 | 2 | -30 | START | 0 |
| 172 | 1026 | 0.00 | * | 0 | 5 | 0 | 2 | ↑ | ↑ | 28 |
| 173 | ↑ | 0.25 | 3700 | 0 | 7 | 0 | 2 | ↑ | ↑ | ↑ |
| 174 | ↑ | 0.50 | 3650 | 0 | 16 | 0 | 2 | ↑ | ↑ | ↑ |
| 175 | ↑ | 0.75 | 3550 | 0 | 16 | 0 | 2 | ↑ | ↑ | ↑ |
| 176 | ↑ | 1.00 | 3400 | 0 | 19 | 0 | 2 | ↑ | ↑ | ↑ |
| 179 | ↑ | 1.75 | 2950 | 0 | 24 | 70 | 5 | ↑ | ↑ | ↑ |
| 180 | ↑ | 2.00 | 2800 | 10 | 26 | 100 | 9 | ↑ | ↑ | ↑ |
| 184 | ↑ | 3.00 | 2500 | 25 | 32 | 170 | 41 | ↑ | ↑ | ↑ |
| 188 | ↑ | 4.00 | 2200 | 40 | 36 | 250 | 66 | ↑ | ↑ | ↑ |
| 192 | ↑ | 5.00 | 1850 | 50 | 42 | 330 | 76 | ↑ | ↑ | ↑ |
| 196 | ↑ | 6.00 | 100 | 50 | 54 | 440 | 85 | ↑ | ↑ | ↑ |
| 200 | ↑ | 7.00 | 0 | 30 | 74 | 660 | 98 | ↑ | ↑ | ↑ |
| 204 | ↑ | 8.00 | 0 | 20 | 80 | 639 | 100 | ↑ | ↑ | ↑ |
| 208 | ↑ | 9.00 | 0 | 10 | 90 | 529 | ↑ | ↑ | ↓ | ↑ |
| 210 | ↑ | 9.50 | 0 | ↑ | 94 | 499 | ↑ | ↑ | START | ↑ |
| 211 | ↑ | 9.75 | 0 | ↑ | 95 | 474 | ↑ | ↑ | RUN | ↑ |
| 212 | ↑ | 10.00 | 0 | ↑ | 96 | 449 | ↑ | ↑ | ↑ | ↑ |
| 213 | ↑ | 10.25 | 0 | ↑ | 96 | 424 | ↑ | ↑ | ↑ | ↑ |
| 214 | ↑ | 10.50 | 50 | ↑ | 96 | 399 | ↑ | ↑ | ↑ | ↑ |
| 215 | ↑ | 10.75 | 100 | ↑ | 96 | 389 | ↑ | ↑ | ↑ | ↑ |
| 216 | ↑ | 11.00 | 100 | ↑ | 97 | 379 | ↑ | ↑ | ↑ | ↑ |
| 217 | ↑ | 11.25 | 100 | ↓ | 97 | 379 | ↑ | ↑ | ↑ | ↑ |
| 218 | ↑ | 11.50 | 100 | 10 | 100 | 324 | ↑ | ↑ | ↑ | ↑ |
| 219 | ↑ | 11.75 | 100 | 20 | 101 | 369 | ↑ | ↑ | ↑ | ↑ |
| 220 | ↓ | 12.00 | 0 | 20 | 102 | 359 | ↑ | ↑ | ↑ | ↑ |
| 240 | 1026 | 17.00 | 0 | 10 | 102 | 299 | ↓ | ↓ | ↓ | ↓ |
| 250 | 1027 | 19.50 | 0 | 10 | 102 | 293 | 100 | ↓ | ↓ | ↓ |
| 251 | 1027 | 41.50 | 0 | 10 | 102 | 287 | 56 | ↓ | ↓ | 28 |
| 253 | 1027 | 42.00 | 0 | 10 | 102 | 287 | 53 | -30 | RUN | 0** |

*Defective instrumentation

**DC bus went to zero at camera frame No. 256.

PHOTO RECORDER DATA

Run 4, -46°C/-50°F 16 Jan 71

APP Start (Third of 3 Starts)

| Camera Frame No. | Clock Time | Elapsed Time (sec) | Start Motor Inlet Press. (psig) | Start Motor Outlet Press. (psig) | rpm (pct) | EGT (deg C) | Oil Press. (psig) | Oil Temp (deg C) | Start Light |
|------------------|------------|--------------------|---------------------------------|----------------------------------|-----------|-------------|-------------------|------------------|---|
| | | | | | | | | | Speed Monitor Position OFF-Start ON-Run |
| 549 | 1327 | 0.00 | 1550 | 0 | 0.0 | 0 | 3 | -40 | START |
| 550 | ↑ | 0.25 | 4850 | 0 | 5.0 | 0 | 3 | ↑ | ↑ |
| 552 | ↑ | 0.75 | 4100 | 0 | 15.0 | 0 | 3 | ↑ | ↑ |
| 554 | ↑ | 1.25 | 3350 | 0 | 20.0 | 0 | 3 | ↑ | ↑ |
| 557 | ↑ | 2.00 | 2850 | 0 | 25.0 | 50 | 3 | ↑ | ↑ |
| 559 | ↑ | 2.50 | 2550 | 10 | 29.0 | 90 | 3 | ↑ | ↑ |
| 561 | ↑ | 3.00 | 2400 | 20 | 32.0 | 120 | 11 | ↑ | ↑ |
| 565 | ↑ | 4.00 | 2100 | 30 | 36.0 | 180 | 33 | ↑ | ↑ |
| 569 | ↑ | 5.00 | 1875 | 30 | 43.0 | 240 | 50 | ↑ | ↑ |
| 573 | ↑ | 6.00 | 1300 | 40 | 54.0 | 310 | 58 | ↑ | ↑ |
| 575 | ↑ | 6.50 | 1250 | 40 | 63.0 | 380 | 63 | ↑ | ↑ |
| 577 | ↑ | 7.00 | ↑ | 30 | 75.0 | 480 | 69 | ↑ | ↓ |
| 578 | ↑ | 7.25 | ↓ | 25 | 82.0 | 540 | 72 | ↑ | START |
| 579 | ↓ | 7.50 | ↓ | 20 | 96.0 | 552 | 76 | ↑ | RUN |
| 580 | 1327 | 7.75 | 1250 | 15 | 104.0 | 519 | 81 | ↑ | ↑ |
| 581 | 1328 | 8.00 | 1225 | 10 | 102.0 | 479 | 84 | ↑ | ↑ |
| 582 | ↑ | 8.25 | ↑ | 10 | ↑ | 409 | 86 | ↑ | ↑ |
| 583 | ↑ | 8.50 | ↑ | 10 | ↑ | 377 | 87 | ↑ | ↑ |
| 585 | ↑ | 9.00 | ↑ | 10 | ↑ | 319 | 87 | ↑ | ↑ |
| 589 | ↑ | 10.00 | ↑ | 10 | ↑ | 293 | 87 | ↑ | ↑ |
| 593 | ↑ | 11.00 | ↑ | 5 | ↑ | 279 | 86 | ↑ | ↑ |
| 605 | ↓ | 14.00 | ↑ | 5 | ↓ | 275 | 83 | ↑ | ↓ |
| 649 | 1328 | 53.00 | ↑ | 0 | ↓ | 279 | 45 | ↑ | ↓ |
| 684 | 1330 | 119 | ↑ | ↑ | 102.0 | 277 | 39 | ↑ | RUN |
| 685 | ↑ | 121 | ↑ | ↑ | 35.0 | 239 | 39 | ↑ | START |
| 686 | ↑ | 122 | ↑ | ↑ | 56.0 | 163 | 32 | ↑ | ↑ |
| 690 | ↓ | 129 | ↑ | ↑ | 24.0 | 129 | 13 | ↑ | ↑ |
| 694 | 1330 | 137 | ↓ | ↓ | 10.0 | 129 | 6 | ↑ | ↓ |
| 711 | 1331 | 202 | 1225 | 0 | 0.0 | 137 | 2 | -40 | START |

RUN 7, -42°C/-43°F, 21 JANUARY 1971

Test Synopsis:

Soak time: 18 hours at -38 to -43°C

Start temperature: -43°C

Inflight temperature: -22 to -34°C

Instrumentation: full; valid data obtained

Heat application: no heat used before start; engine No. 2 fuel control heated after start

To avoid the application of heat, both a ground test and a flight test were accomplished for run 7. The digital recording system (which needed heat to operate) was not used during the ground test. The photorecorder was operated during the ground test to provide valid APP and engine start data. The clock, second counter, and frame counter on the photorecorder were sticking at various times during the start, but the data are good and the time was calculated from a known frame speed.

After the aircraft was warmed up (from the ground test) the digital recording system was operated to provide data for the flight test.

The aircraft was subjected to an average cold soak temperature of approximately -42°C (-43°F). Since no heat was applied to any part of the aircraft, this run presents good APP and engine cold weather start data. Both start accumulators were used for the APP start.

The typical high APP EGT experienced during many of our cold weather starts can be seen in this data (frame numbers 31 to 41 at elapsed time of 9 through 11 seconds). The overtemperature circuit breaker activated, but was bypassed to allow the APP to continue running.

The inflight portion of the test contains good heater data. It shows aircraft temperatures with combinations of the crew door (top and bottom) open such as would be used for operating the rescue hoist or forward gun. Also presented is a temperature/altitude survey showing the typical Alaska inversion with relatively higher temperature at the higher altitudes. Because of this, most flights were conducted at low altitudes to maintain the lowest possible temperature.

Pertinent information.

Engine No. 1 has -13 fuel control and EAPS installed.

Engine No. 2 has -13 fuel control and no EAPS.

Engine No. 2 replaced before arctic tests (overhauled engine with 231 hours total time at overhaul).

Modified APP start valve installed.

Heavy duty APP clutch installed.

Defective test parameters not presented (unless indicated otherwise).

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

- 4-13 - Second stage hydraulic pump outlet temperature.
- 6-26 - Engine No. 1 accessory gearbox mass temperature at front frame.
- 7-12 - Engine No. 1 compressor case temperature, 3rd stage, 3 o'clock position.
- 7-19 - Engine No. 1 compressor case temperature, 5th stage, 3 o'clock position.
- 7-20 - Engine No. 1 compressor case temperature, 5th stage, 4:30 o'clock position.
- 7-22 - Engine No. 1/nose gearbox oil cooler outlet air temperature.

Test parameters not connected or not presented.

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

6-05 and 6-06 - Engine fuel control discharge temperature (not connected).

Box 8 - Engine No. 2 mass temperatures (not connected); only the engine/nose gearbox oil cooler air temperature parameters (8-23 and 8-24) were connected.

Event Sheet:

Ground Test Portion

| <u>Photo Recorder Frame No.</u> | <u>Alaska Standard Time</u> | <u>Event</u> |
|-------------------------------------|-------------------------------------|---|
| 20 | 1018 | APP - start |
| 31-41 | 1018 | APP ECT overtemp (760°C peak) |
| 39 | 1018 | Heater - ON, MAX HEAT |
| 246 | 1117 | APP start light - out; extended operation of start light (about 54 minutes) indicates that APP speed monitor switch was sticking in the start position. |
| 266-306 | 1036 | Rotor brake - cycled in low pressure |
| 320-367 | 1037 | Rotor brake - cycled in high pressure |
| 504-505 | 1057- 1058 | Heat applied to engine No. 2 fuel control |
| 618 | 1108 | Engine No. 1 - start; rotor brake holding |
| 885 | 1110 | Heater - CABIN SELECT POSITION |
| 885 | 1110 | Engine No. 2 - start; rotor brake holding |
| 1274 | 1114 | Rotor - engaged; rotor brake released |
| 1290-98 | 1118- 1123 | Refueling probe - exercise |
| 1304 | 1125 | Heater - OFF |
| 1390 | 1125 | Engines - shutdown |

| | | |
|------|------|------------------------------------|
| 1546 | 1127 | APP - shutdown |
| 1552 | 1129 | Rotor brake - OFF |
| X | 1258 | End ground test, start flight test |

Flight Test Portion

| <u>CTR</u> | <u>Event</u> |
|------------|--------------------------------------|
| 5 | APP - start |
| 21 | Engine No. 1 - start; rotor brake on |
| 25 | Engine No. 2 - start; rotor brake on |
| 31 | Rotor brake - release |
| 35 | APP - OFF |
| 58 | Takeoff |
| 70 | Doppler check started |

TEMPERATURE/ALTITUDE SURVEY

| | <u>PA</u> <u>(ft)</u> | <u>AGL</u> <u>(ft)</u> | <u>Temperature</u> <u>°C/°F</u> |
|-----|--------------------------|---------------------------|------------------------------------|
| 76 | 1,920 | 1,500 | -26/-15 |
| 81 | 2,880 | 2,460 | -25/-13 |
| 84 | 3,930 | 3,510 | -25/-13 |
| 89 | 4,880 | 4,460 | -26/-15 |
| 94 | 5,905 | 5,485 | -24/-11 |
| 98 | 6,955 | 6,535 | -23/-9 |
| 103 | 7,940 | 7,520 | -21/-6 |
| 107 | 8,930 | 8,510 | -21/-6 |
| 111 | 9,780 | 9,360 | -23/-9 |

NOTE: Surface temp is -37°C (-34°F);
ground level is approximately
420 feet PA.

| | |
|-----|---------------------------------------|
| 125 | Refueling probe - exercise |
| 147 | Autorotation from 8,000 ft PA |
| 155 | Land |
| 164 | Takeoff, hover |
| 168 | Forward flight |
| 179 | Cruise; upper half crew door open |
| 184 | Land |
| 185 | Lower half crew door open (both open) |
| 197 | Takeoff |

203 Hover; lower half crew door closed (top open)
221 Touchdown
233 Takeoff, hover
244 Forward flight
246 Hover
257 Upper half crew door closed (both closed)

| <u>CTR</u> | <u>Event</u> |
|------------|--|
| 276 | Land |
| 282 | Upper half crew door open |
| 286 | Lower half crew door open (both open) |
| 287 | APP - start |
| 292 | Engines - shutdown |
| 293 | Rotor brake - ON; failed, would not hold |
| 306 | APP - shutdown |
| 312 | End test |

PHOTO RECORDER DATA

Run 7, -42°C/-43°F 21 Jan 71

APP Start

| Camera Frame No. | Elapsed Time (sec) | Start Motor Inlet Press. (psig) | Start Motor Outlet Press. (psig) | rpm (pct) | EGT (deg C) | Oil Press. (psig) | Oil Temp (deg C) | Start Light Speed Monitor Position OFF-Start ON-Run |
|------------------|--------------------|---------------------------------|----------------------------------|-----------|-------------|-------------------|------------------|---|
| 20 | 0.0 | 2475 | * | 0 | 0 | 0 | -30 | START |
| 21 | 0.2 | 2700 | | .5 | 0 | 0 | ↑ | ↑ |
| 22 | 0.5 | 3850 | | 4 | 0 | 0 | ↑ | ↑ |
| | 1.0 | 3550 | | 16 | 0 | 0 | ↑ | ↑ |
| | 1.2 | 3450 | | 15 | 0 | 0 | ↑ | ↑ |
| | 1.5 | 3300 | | 16 | 0 | 0 | ↑ | ↑ |
| | 2.5 | 2850 | | 24 | 0 | 0 | ↑ | ↑ |
| | 3.5 | 2450 | | 27 | 120 | 0 | ↑ | ↑ |
| | 3.7 | 2350 | | 28 | 140 | 6 | ↑ | ↑ |
| 22 | 4.0 | 2300 | | 29 | 160 | 9 | ↑ | ↑ |
| 23 | 4.2 | 2225 | | 30 | 170 | 16 | ↑ | ↑ |
| 23 | 5.2 | 2025 | | 32 | 220 | 41 | ↑ | ↑ |
| 24 | 7.2 | 0 | | 36 | 360 | 64 | ↑ | ↑ |
| 31 | 9.0 | ↑ | | 46 | 520 | 72 | ↑ | ↑ |
| 35 | 10.0 | ↑ | | 60 | 660 | 82 | ↑ | ↑ |
| 36 | 10.2 | ↑ | | 64 | 720 | 85 | ↑ | ↑ |
| 37 | 10.5 | ↑ | | 70 | 750 | 88 | ↑ | ↑ |
| 38 | 10.7 | ↑ | | 74 | 760 | 92 | ↑ | ↑ |
| 39 | 11.0 | ↑ | | 73 | 700 | 95 | ↑ | ↑ |
| 40 | 11.2 | ↑ | | 66 | 600 | 95 | ↑ | ↑ |
| 41 | 11.5 | ↑ | | 60 | 510 | 95 | ↑ | ↑ |
| 43 | 12.0 | ↑ | | 51 | 390 | 92 | ↑ | ↑ |
| 44 | 12.2 | ↑ | | 48 | 350 | 89 | ↑ | ↑ |
| 45 | 12.5 | ↑ | | 46 | 340 | 85 | ↑ | ↑ |
| 46 | 12.7 | ↑ | | 48 | 360 | 83 | ↑ | ↑ |
| 47 | 13.0 | ↑ | | 51 | 390 | 82 | ↑ | ↑ |
| 49 | 13.5 | ↑ | | 59 | 450 | 82 | ↑ | ↑ |
| 51 | 14.0 | ↑ | | 74 | 480 | 87 | ↑ | ↑ |
| 51 | 14.2 | ↑ | | 82 | 490 | 71 | ↑ | ↑ |
| 53 | 14.7 | ↑ | | 90 | 516 | 98 | ↑ | ↑ |
| 54 | 15.0 | ↑ | | 94 | 508 | 100 | ↑ | ↓ |
| 55 | 15.2 | ↑ | | 96 | 480 | ↑ | ↑ | START |
| 56 | 15.5 | ↑ | | 97 | 470 | ↑ | ↑ | RUN |
| 57 | 15.7 | ↑ | | 97 | 440 | ↑ | ↑ | ↑ |
| 58 | 16.0 | ↑ | | 96 | 420 | ↑ | ↑ | ↑ |
| 59 | 16.2 | ↑ | | 95 | 408 | ↑ | ↑ | ↑ |
| 60 | 16.5 | ↑ | | 94 | 390 | ↑ | ↑ | ↑ |
| 61 | 16.7 | ↓ | | 93 | 390 | ↓ | ↓ | ↓ |
| 62 | 17.0 | 0 | | 91 | 390 | ↓ | ↓ | ↓ |
| 63 | 18.0 | 100 | | 88 | 404 | 100 | -30 | RUN |

*Defective instrumentation.

Run 7, APP Start (Concluded)

| Camera Frame No. | Elapsed Time (sec) | Start Motor Inlet Press. (psig) | Start Motor Outlet Press. (psig) | rpm (pct) | EGT (deg C) | Oil Press. (psig) | Oil Temp (deg C) | Start Light Speed Monitor Position OFF-Start ON-Run |
|------------------|--------------------|---------------------------------|----------------------------------|-----------|-------------|-------------------|------------------|---|
| 64 | 18.2 | 100 | * | 92 | 408 | 100 | -30 | RUN |
| 65 | 18.5 | ↑ | | 94 | 408 | ↑ | ↑ | ↑ |
| 66 | 18.7 | ↑ | | 96 | 403 | ↑ | ↑ | ↑ |
| 67 | 19.0 | ↑ | | 98 | 400 | ↑ | ↑ | ↑ |
| 68 | 19.2 | ↑ | | 100 | 398 | ↑ | ↑ | ↑ |
| 69 | 19.5 | ↑ | | 101.0 | 379 | ↑ | ↑ | ↑ |
| 70 | 19.7 | ↑ | | 102.0 | 379 | ↓ | ↑ | ↑ |
| 71 | 20.0 | ↓ | | ↑ | 373 | 100 | ↓ | ↑ |
| 110 | 30.0 | 0 | | ↑ | 323 | 95 | ↓ | ↑ |
| 130 | 35.0 | 0 | | ↑ | 315 | 50 | ↓ | ↑ |
| 150 | 40.0 | 0 | | ↓ | 321 | 41 | -30 | ↑ |
| 270 | 240 | 0 | | ↓ | 313 | 35 | +5 | ↑ |
| 310 | 980 | 0 | | 102.0 | 315 | 35 | +15 | ↑ |
| 430 | 1080 | 0 | | 101.5 | 309 | 34 | +30 | ↑ |
| 490 | 1440 | 0 | | ↑ | 307 | 33 | ↑ | ↑ |
| 492 | 1560 | 0 | | ↑ | 309 | 33 | ↑ | ↑ |
| 618 | 2040 | 0 | | ↓ | 303 | 33 | ↑ | ↑ |
| 1249 | 2280 | 0 | | ↓ | 311 | 32 | ↓ | ↓ |
| 1281 | 2640 | 0 | | 101.5 | 289 | 32 | ↓ | RUN |
| 1282 | 2640 | 0 | | 35.0 | 149 | 8 | ↓ | START |
| 1286 | 2700 | 0 | | 0.0 | 145 | 0 | +30 | START |

*Defective instrumentation.

PHOTO RECORDER DATA

Run 7, -42°C/-43°F 21 Jan 71
 Engine No. 1 Start

| Camera Frame No. | Elapsed Time (sec) | Start Motor Inlet Press. (psig) | Start Motor Outlet Press. (psig) | N _g (pct rpm) | T ₅ (deg C) | Torque (pct) | Fuel Control Disch Press. (psig) | Fuel Flow (lb/hr) | Start Light |
|------------------|--------------------|---------------------------------|----------------------------------|--------------------------|------------------------|--------------|----------------------------------|-------------------|-------------|
| 617 | 0 | 100 | 10 | 0 | 0 | 0 | 0 | 0 | OFF |
| 618 | 00.2 | 350 | 110 | ↑ | ↑ | ↑ | ↑ | ↑ | ON |
| 620 | 00.7 | 2400 | 10 | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| 621 | 01.0 | 4375 | 10 | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| 622 | 01.2 | 4575 | 40 | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| 623 | 01.5 | 3300 | 120 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 624 | 01.7 | 3700 | 200 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 625 | 2.0 | 4575 | 190 | 0 | ↓ | ↓ | ↓ | ↓ | ↓ |
| 629 | 3.0 | 4310 | 190 | 1 | ↓ | ↓ | ↓ | ↓ | ↓ |
| 641 | 6.0 | 4275 | 195 | 8 | ↓ | ↓ | ↓ | ↓ | ↓ |
| 661 | 11.0 | 4275 | 195 | 12 | ↓ | ↓ | ↓ | ↓ | ↓ |
| 681 | 16.0 | 4275 | 195 | 15 | ↓ | ↓ | ↓ | 0 | ↓ |
| 709 | 23.0 | 4275 | 195 | 20 | ↓ | ↓ | 0 | 50 | ↓ |
| 733 | 29.0 | 4275 | 195 | 25 | ↓ | ↓ | 90 | 153 | ↓ |
| 741 | 31.0 | 4225 | 195 | 30 | 0 | ↓ | 150 | 153 | ↓ |
| 753 | 34.0 | 3000 | 200 | 36 | 40 | ↓ | 230 | 196 | ↓ |
| 765 | 37.0 | 2000 | 200 | 40 | 94 | ↓ | 240 | 250 | ↓ |
| 781 | 41.0 | 600 | 210 | 42 | 160 | ↓ | 240 | 250 | ↓ |
| 805 | 47.0 | 575 | 210 | 47 | 250 | ↓ | 250 | 299 | ↓ |
| 825 | 52.0 | 550 | 205 | 52 | 300 | ↓ | 250 | 299 | ↓ |
| 841 | 56.0 | 550 | 205 | 60 | 336 | ↓ | 290 | 350 | ↓ |
| 853 | 59.0 | 550 | 205 | 65 | 342 | ↓ | 310 | 350 | ON |
| 857 | 60.0 | 500 | 200 | 65 | 330 | ↓ | 310 | 350 | OFF |
| 865 | 62.0 | 100 | 90 | 65 | 328 | ↓ | 310 | 299 | OFF |
| 905 | 72.0 | 100 | 50 | 65 | 310 | 0 | 310 | 299 | OFF |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP DEG.C | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW LBS/HR | 1-07 ENG.1 TORQUE PERCENT | 1-08 ENG.1 POWER TURB SPEED RPM | 1-09 ENG.1 TURB INLET TEMP (T-5) DEG.C | 1-10 ENG.2 RPM (NG) | 1-11 ENG.2 FUEL FLOW LBS/HR | 1-12 ENG.2 TORQUE PERCENT | 1-13 ENG.2 POWER TURB SPEED RPM |
|-----------------------|----------------------|----------------------|---|------------------------------|---|------------------------------------|--|--|------------------------------|---|------------------------------------|--|
| 46 | 18 | 7 | -26 | 78 | * | 22 | 103 | 341 | 78 | 654 | 23 | 103 |
| 47 | 18 | 27 | -26 | 78 | * | 21 | * | 342 | 77 | 637 | 22 | * |
| 48 | 18 | 47 | -25 | 78 | * | 23 | 104 | 352 | 77 | 608 | 19 | 103 |
| 49 | 19 | 7 | -26 | 77 | * | 21 | 103 | 339 | 77 | 601 | 19 | 103 |
| 50 | 19 | 27 | -26 | 78 | * | 20 | 103 | 343 | 77 | 598 | 19 | 103 |
| 51 | 19 | 47 | -25 | 79 | * | 21 | 103 | 344 | 78 | 574 | 16 | 104 |
| 52 | 20 | 7 | -25 | 78 | * | 20 | * | 334 | 75 | 571 | 16 | * |
| 53 | 20 | 27 | -25 | 85 | * | 20 | * | 334 | 76 | 574 | 15 | 104 |
| 54 | 20 | 47 | -25 | 78 | * | 20 | 104 | 337 | 77 | 581 | 17 | 103 |
| 55 | 21 | 7 | -25 | 79 | * | 20 | * | 339 | 77 | 588 | 17 | 104 |
| 56 | 21 | 28 | -25 | 69 | * | 23 | 103 | 354 | 78 | 642 | 22 | * |
| 57 | 21 | 48 | -25 | 79 | * | 20 | 103 | 343 | 77 | 622 | 20 | 103 |
| 58 | 22 | 8 | -25 | 78 | * | 22 | 103 | 342 | 78 | 644 | 24 | * |
| 59 | 22 | 28 | -26 | 87 | 1378 | 95 | 101 | 483 | 87 | 1381 | 93 | 102 |
| 60 | 22 | 48 | -28 | 84 | 1175 | 67 | 102 | 460 | 84 | 1129 | 68 | 102 |
| 61 | 23 | 8 | -26 | 84 | 1165 | 66 | 103 | 483 | 84 | 1805 | 65 | 103 |
| 62 | 23 | 28 | -21 | 83 | 1095 | 58 | 103 | 483 | 84 | 988 | 55 | 104 |
| 63 | 23 | 48 | -20 | 83 | 1093 | 59 | 103 | 482 | 83 | 974 | 55 | 103 |
| 64 | 24 | 8 | -21 | 82 | 1049 | 53 | 103 | 457 | 83 | 925 | 47 | 103 |
| 65 | 25 | 18 | -20 | 91 | 1037 | 55 | 103 | 495 | 84 | 933 | 52 | * |
| 66 | 25 | 38 | -20 | 82 | 1032 | 55 | 102 | 456 | 85 | 930 | 52 | 103 |
| 67 | 25 | 58 | -21 | 84 | 1029 | 55 | 102 | 456 | 81 | 928 | 51 | 103 |
| 68 | 27 | 56 | -20 | 83 | 1049 | 57 | 103 | 456 | 84 | 945 | 53 | 103 |
| 69 | 30 | 33 | -24 | 86 | 1010 | 55 | * | 427 | 88 | 911 | 52 | 101 |
| 70 | 30 | 54 | -23 | 82 | 1020 | 55 | 108 | 435 | 83 | 911 | 51 | 101 |
| 71 | 31 | 14 | -24 | 82 | 1025 | 55 | * | 435 | 82 | 913 | 51 | 101 |
| 72 | 31 | 34 | -22 | 83 | 1054 | 57 | 108 | 442 | 84 | 942 | 53 | 100 |
| 73 | 32 | 33 | -20 | 84 | 1143 | 65 | 100 | 466 | 84 | 1815 | 61 | 108 |
| 74 | 32 | 53 | -19 | 84 | 1107 | 62 | * | 470 | 85 | 1844 | 65 | 100 |
| 75 | 33 | 14 | -20 | 83 | 1083 | 60 | 100 | 466 | 85 | 1844 | 65 | 101 |
| 76 | 33 | 34 | -20 | 83 | 1071 | 60 | 100 | 465 | 85 | 1842 | 65 | 100 |
| 77 | 33 | 54 | -19 | 83 | 1059 | 59 | 100 | 463 | 86 | 1837 | 65 | 100 |
| 78 | 34 | 14 | -20 | 84 | 1126 | 65 | 100 | 478 | 85 | 971 | 59 | 181 |
| 79 | 34 | 35 | -18 | 84 | 1117 | 65 | 100 | 464 | 85 | 971 | 59 | 101 |
| 80 | 34 | 55 | -18 | 84 | 1073 | 61 | 101 | 481 | 85 | 991 | 61 | 182 |
| 81 | 35 | 15 | -18 | 83 | 1068 | 60 | * | 478 | 85 | 993 | 61 | * |
| 82 | 35 | 35 | -16 | 84 | 1068 | 60 | 100 | 478 | 85 | 996 | 62 | * |
| 83 | 35 | 55 | -18 | 84 | 1059 | 60 | 101 | 478 | 85 | 993 | 62 | 182 |
| 84 | 36 | 15 | -19 | 84 | 1044 | 59 | 101 | 482 | 86 | 983 | 61 | 182 |
| 85 | 36 | 36 | -19 | 83 | 1034 | 58 | * | 478 | 86 | 969 | 60 | 182 |
| 86 | 36 | 56 | -19 | 84 | 1032 | 58 | * | 481 | 86 | 969 | 60 | 181 |
| 87 | 37 | 16 | -20 | 84 | 1017 | 58 | 101 | 481 | 86 | 959 | 60 | 181 |
| 88 | 37 | 36 | -19 | 84 | 1003 | 57 | 101 | 478 | 85 | 940 | 58 | 181 |
| 89 | 37 | 56 | -19 | 84 | 996 | 56 | 101 | 476 | 84 | 930 | 57 | 181 |
| 90 | 38 | 16 | -19 | 84 | 1003 | 56 | * | 477 | 85 | 933 | 57 | 181 |
| 91 | 38 | 36 | -18 | 84 | 1000 | 56 | 101 | 483 | 86 | 928 | 57 | 181 |
| 92 | 38 | 56 | -17 | 84 | 988 | 56 | 100 | 483 | 86 | 913 | 56 | 181 |
| 93 | 39 | 16 | -17 | 84 | 979 | 55 | 101 | 482 | 85 | 903 | 55 | 182 |
| 94 | 39 | 37 | -17 | 84 | 969 | 54 | 101 | 482 | 85 | 891 | 55 | 181 |
| 95 | 39 | 57 | -17 | 85 | 1029 | 60 | * | 496 | 86 | 957 | 61 | 182 |

| SWITCH COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 IND FPCF AIR TEMP DEG.C | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW LBS/HR | 1-07 ENG.1 TORQUE PERCENT | 1-08 ENG.1 TURB SPEED RPM PERCENT | 1-09 ENG.1 INLET TEMP (T-5) DEG.C | 1-10 ENG.2 RPM (NG) PERCENT | 1-11 ENG.2 FUEL FLOW LBS/HR | 1-12 ENG.2 TORQUE PERCENT | 1-13 ENG.2 TURB SPEED RPM PERCENT |
|-----------------|----------------------|----------------------|---|------------------------------|---|------------------------------------|--|--|---|---|------------------------------------|--|
| 95 | 40 | 17 | -17 | 85 | 1022 | 59 | 101 | 501 | 87 | 952 | 61 | 182 |
| 97 | 40 | 37 | -15 | 95 | 1056 | 62 | * | 513 | 86 | 913 | 57 | 182 |
| 99 | 41 | 17 | -15 | 85 | 1022 | 59 | 102 | 514 | 86 | 903 | 56 | 181 |
| 100 | 41 | 37 | -15 | 85 | 1017 | 59 | 101 | 513 | 86 | 901 | 56 | 181 |
| 101 | 42 | 57 | * | 85 | 1003 | 58 | 101 | 514 | 86 | 891 | 56 | * |
| 102 | 42 | 17 | -15 | 85 | 996 | 54 | 102 | 514 | 86 | 882 | 55 | * |
| 103 | 42 | 37 | * | 88 | 983 | 57 | 101 | 514 | 86 | 872 | 54 | 181 |
| 104 | 42 | 57 | * | 87 | 1027 | 61 | 101 | 520 | 87 | 906 | 58 | * |
| 105 | 43 | 17 | * | 87 | 1020 | 60 | 101 | 527 | 87 | 903 | 57 | 181 |
| 106 | 43 | 37 | -15 | 87 | 1017 | 60 | 101 | 527 | 87 | 901 | 57 | 182 |
| 107 | 43 | 57 | -15 | 85 | 998 | 59 | 102 | 525 | 87 | 887 | 56 | 182 |
| 108 | 44 | 17 | -15 | 85 | 993 | 58 | 101 | 525 | 87 | 877 | 56 | 181 |
| 109 | 44 | 37 | -15 | 85 | 991 | 58 | 102 | 528 | 86 | 879 | 56 | 181 |
| 110 | 44 | 57 | -15 | 85 | 986 | 59 | * | 524 | 88 | 879 | 56 | 181 |
| 111 | 45 | 17 | -16 | 87 | 986 | 58 | 101 | 529 | 87 | 874 | 56 | * |
| 112 | 45 | 37 | -16 | 85 | 969 | 57 | 101 | 528 | 87 | 865 | 55 | 182 |
| 113 | 45 | 57 | -16 | 85 | 966 | 57 | 86 | 525 | 86 | 853 | 54 | 181 |
| 114 | 45 | 17 | -16 | 86 | 969 | 57 | * | 524 | 87 | 850 | 54 | * |
| 115 | 49 | 3 | -15 | 87 | 1151 | 71 | 102 | 589 | 90 | 1049 | * | * |
| 116 | 49 | 23 | -15 | 86 | 1124 | 70 | 102 | 576 | 89 | 1020 | 70 | 181 |
| 117 | 49 | 49 | -15 | 86 | 1015 | 61 | 102 | 549 | 88 | 933 | 62 | * |
| 118 | 51 | 17 | -15 | 87 | 1126 | 71 | 102 | 567 | 89 | 1051 | 74 | 182 |
| 119 | 52 | 2 | -15 | 88 | 1153 | 73 | 102 | 571 | 90 | 1071 | 75 | 181 |
| 120 | 52 | 22 | -15 | 88 | 1192 | 76 | 102 | 587 | 91 | 1109 | 79 | 181 |
| 121 | 54 | 21 | -15 | 88 | 1129 | 68 | 102 | 570 | 90 | 1051 | 74 | * |
| 122 | 54 | 43 | -15 | 88 | 1199 | 73 | 106 | 587 | 90 | 1100 | 76 | * |
| 123 | 55 | 3 | -15 | 82 | 770 | 40 | 102 | 504 | 84 | 681 | 39 | 182 |
| 124 | 56 | 20 | * | 82 | 763 | 40 | 431 | 431 | 84 | 671 | 39 | 182 |
| 125 | 56 | 40 | * | 84 | 935 | 53 | 99 | 491 | 86 | 638 | 53 | * |
| 126 | 57 | 1 | * | 85 | 935 | 54 | * | 496 | 86 | 640 | 53 | * |
| 127 | 57 | 21 | * | 85 | 1032 | 62 | * | 519 | 87 | 925 | 62 | 98 |
| 128 | 57 | 41 | * | 86 | 1088 | 66 | 102 | 534 | 88 | 998 | 68 | 181 |
| 129 | 58 | 1 | * | 80 | 1107 | 67 | 101 | 541 | 88 | 1000 | 68 | 182 |
| 130 | 58 | 21 | * | 87 | 1136 | 71 | 101 | 548 | 90 | 1042 | 72 | * |
| 131 | 58 | 41 | * | 86 | 1172 | 72 | * | 558 | 89 | 1073 | 75 | 182 |
| 132 | 59 | 1 | * | 86 | 1168 | 72 | * | 559 | 89 | 1076 | 75 | 182 |
| 133 | 59 | 21 | * | 87 | 1223 | 76 | 101 | 570 | 90 | 1131 | 80 | 181 |
| 134 | 59 | 41 | * | 88 | 1255 | 79 | 101 | 580 | 89 | 1119 | 79 | 182 |
| 135 | 60 | 1 | * | 88 | 1260 | 79 | 102 | 582 | 89 | 1117 | 79 | 181 |
| 136 | 60 | 21 | * | 88 | 1265 | 80 | 101 | 581 | 90 | 1124 | 79 | 182 |
| 137 | 60 | 41 | * | 86 | 1097 | 66 | * | 553 | 88 | 969 | 64 | * |
| 138 | 61 | 0 | * | 88 | 1250 | 76 | 102 | 582 | 90 | 1122 | 75 | * |
| 139 | 61 | 20 | * | 91 | 1255 | 76 | 100 | 585 | 89 | 1119 | 76 | * |
| 140 | 62 | 19 | * | 86 | 1046 | 60 | 86 | 570 | 88 | 937 | 59 | * |
| 141 | 62 | 38 | * | 86 | 1049 | 61 | 106 | 528 | 86 | 879 | 52 | 186 |
| 142 | 62 | 58 | -15 | 84 | 918 | 51 | * | 488 | 85 | 807 | 49 | 183 |
| 143 | 64 | 58 | -16 | 86 | 906 | 49 | 101 | 493 | 88 | 970 | 50 | * |
| 144 | 65 | 18 | -15 | 83 | 799 | 41 | 102 | 465 | 84 | 808 | 37 | 183 |
| 145 | 65 | 38 | -15 | 82 | 799 | 41 | 102 | 458 | 83 | 688 | 38 | 182 |
| 146 | 65 | 58 | -15 | 82 | 814 | 42 | 102 | 457 | 83 | 697 | 38 | 182 |

| -01 SWEET COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP SEGC | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW LBS/HR | 1-07 ENG.1 TORQUE PERCENT | 1-08 ENG.1 TURB SPEED RPM PERCENT | 1-09 ENG.1 TURR INLET TEMP (T-F) DEGC | 1-10 ENG.2 RPM (NG) | 1-11 ENG.2 FUEL FLOW LBS/HR | 1-12 ENG.2 TORQUE PERCENT | 1-13 ENG.2 TURB SPEED RPM PERCENT |
|-----------------------|----------------------|----------------------|--|------------------------------|---|------------------------------------|--|---|------------------------------|---|------------------------------------|--|
| 147 | 66 | 55 | -16 | 80 | 677 | 22 | 103 | 424 | 80 | 494 | 14 | 104 |
| 148 | 67 | 15 | -15 | 79 | 346 | 3 | 104 | 310 | 74 | 295 | 2 | 105 |
| 149 | 67 | 34 | -18 | 73 | 363 | 3 | 105 | 297 | 74 | 310 | * | * |
| 150 | 67 | 50 | -18 | 74 | 382 | 3 | 105 | 282 | 74 | 329 | 1 | 106 |
| 151 | 68 | 13 | -19 | 73 | 402 | 3 | 105 | 291 | 74 | 364 | 1 | 104 |
| 152 | 68 | 33 | * | 78 | 707 | 27 | 103 | 353 | 78 | 550 | 18 | 104 |
| 153 | 68 | 53 | * | 80 | 790 | 33 | 102 | 383 | 78 | 649 | 26 | 103 |
| 154 | 69 | 12 | * | 79 | 782 | 33 | 102 | 373 | 78 | 654 | 28 | * |
| 155 | 69 | 32 | * | 79 | 710 | 28 | 102 | 373 | 78 | 617 | 25 | 103 |
| 156 | 69 | 52 | * | 80 | 799 | 30 | 101 | 377 | 80 | 734 | 34 | 102 |
| 157 | 70 | 12 | * | 82 | 916 | 58 | 100 | 378 | 88 | 874 | 59 | 188 |
| 158 | 70 | 32 | * | 82 | 983 | 49 | 102 | 415 | 86 | 887 | 47 | 102 |
| 159 | 70 | 52 | * | 83 | 167 | 39 | 102 | 394 | 80 | 794 | 37 | 103 |
| 160 | 71 | 12 | * | 81 | 855 | 39 | * | 384 | 80 | 802 | 40 | 103 |
| 161 | 71 | 31 | * | 80 | 850 | 38 | * | 383 | 80 | 787 | 38 | 103 |
| 162 | 71 | 51 | * | 80 | 853 | 38 | 102 | 383 | 80 | 792 | 39 | 103 |
| 163 | 72 | 11 | * | 81 | 884 | 41 | 102 | 391 | 81 | 819 | 41 | 102 |
| 164 | 72 | 31 | * | 84 | 1088 | 65 | 100 | 424 | 82 | 1017 | 67 | * |
| 165 | 72 | 51 | * | 85 | 1197 | 63 | 100 | 466 | 84 | 1056 | 61 | 100 |
| 166 | 73 | 11 | * | 84 | 1172 | 67 | 101 | 473 | 85 | 1042 | 63 | 101 |
| 167 | 23 | 31 | * | 85 | 1092 | 59 | 100 | 446 | 83 | 989 | 59 | 101 |
| 168 | 73 | 51 | * | 84 | 1172 | 66 | 100 | 474 | 84 | 1082 | 60 | 100 |
| 169 | 74 | 11 | * | 82 | 1051 | 61 | 101 | 439 | 83 | 982 | 62 | 102 |
| 170 | 74 | 31 | * | 84 | 1126 | 64 | * | 452 | 83 | 993 | 59 | 102 |
| 171 | 74 | 51 | * | 83 | 1066 | 58 | * | 441 | 82 | 947 | 55 | 102 |
| 172 | 75 | 11 | * | 83 | 1078 | 59 | * | 441 | 83 | 962 | 56 | 101 |
| 173 | 75 | 31 | * | 93 | 1071 | 54 | * | 445 | 83 | 957 | 56 | 102 |
| 174 | 75 | 51 | * | 80 | 1097 | 59 | * | 462 | 84 | 962 | 55 | 103 |
| 175 | 78 | 12 | * | 79 | 744 | 29 | 103 | 365 | 78 | 654 | 26 | * |
| 176 | 78 | 31 | * | 80 | 845 | 42 | 100 | 378 | 85 | 782 | 42 | 102 |
| 177 | 78 | 51 | * | 85 | 1274 | 75 | 100 | 473 | 88 | 1153 | 72 | 100 |
| 178 | 79 | 11 | * | 85 | 1285 | 75 | 100 | 477 | 91 | 1188 | 75 | 100 |
| 179 | 79 | 31 | * | 86 | 1269 | 76 | 100 | 477 | 85 | 1156 | 75 | 100 |
| 180 | 79 | 51 | * | 85 | 1267 | 76 | * | 477 | 85 | 1143 | 74 | 100 |
| 181 | 80 | 11 | * | 85 | 1272 | 76 | * | 473 | 85 | 1144 | 74 | 100 |
| 182 | 80 | 31 | * | 84 | 1233 | 64 | 100 | 479 | 84 | 1085 | 62 | 100 |
| 183 | 80 | 51 | * | 83 | 1165 | 64 | 100 | 471 | 84 | 1032 | 62 | 101 |
| 184 | 81 | 11 | * | 84 | 1349 | 56 | 100 | 441 | 83 | 982 | 55 | 101 |
| 185 | 81 | 31 | * | 78 | 649 | 22 | 101 | 347 | 75 | 518 | 14 | * |
| 186 | 81 | 51 | * | 79 | 644 | 21 | 102 | 339 | 76 | 518 | 14 | 103 |
| 187 | 82 | 10 | * | 77 | 647 | 21 | 102 | 337 | 76 | 518 | 14 | 102 |
| 188 | 82 | 30 | * | 77 | 647 | 21 | * | 337 | 76 | 523 | 14 | 103 |
| 189 | 82 | 50 | * | 78 | 649 | 21 | 102 | 338 | 76 | 523 | 14 | 102 |
| 190 | 83 | 10 | * | 78 | 649 | 21 | * | 339 | 76 | 523 | 14 | 102 |
| 191 | 83 | 30 | * | 78 | 647 | 21 | * | 341 | 76 | 523 | 14 | 102 |
| 192 | 83 | 50 | * | 78 | 649 | 21 | 101 | 339 | 76 | 528 | 14 | 102 |
| 193 | 84 | 10 | * | 78 | 647 | 21 | 101 | 341 | 76 | 528 | 14 | 102 |
| 194 | 84 | 30 | * | 78 | 654 | 21 | 102 | 344 | 76 | 528 | 14 | 101 |
| 195 | 84 | 49 | * | 77 | 654 | 21 | 102 | 342 | 76 | 528 | 14 | 102 |
| 196 | 85 | 9 | * | 78 | 649 | 21 | 101 | 341 | 79 | 533 | 15 | 101 |

| WHEEL COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW | 1-07 ENG.1 TORQUE | 1-08 ENG.1 POWER TURB SPEED | 1-09 ENG.1 TURB INLET TEMP (T-5) | 1-10 ENG.2 RPM | 1-11 ENG.2 FUEL FLOW | 1-12 ENG.2 TORQUE | 1-13 | |
|----------------|----------------------|----------------------|------------------------------------|------------------------------|-------------------------------|-------------------------|---|---|----------------------|-------------------------------|-------------------------|----------------|-------------------------------|
| | | | | | | | | | | | | ENG.2 POWER | ENG.2 TURB SPEED RPM |
| 197 | 95 | 29 | * | 78 | 654 | 21 | 101 | 341 | 77 | 528 | 14 | 14 | * |
| 198 | 85 | 49 | * | 85 | 1134 | 63 | 100 | 439 | 84 | 1017 | 59 | 59 | 100 |
| 194 | 86 | 9 | * | 85 | 1353 | 79 | 100 | 483 | 85 | 1189 | 77 | 77 | 101 |
| 200 | 56 | 29 | * | 84 | 1134 | 61 | 102 | 457 | 84 | 1010 | 59 | 59 | 103 |
| 201 | 86 | 49 | * | 82 | 971 | 47 | 102 | 431 | 82 | 853 | 42 | 42 | * |
| 202 | 87 | 8 | * | 78 | 637 | 20 | * | 350 | 76 | 508 | 44 | 44 | * |
| 203 | 87 | 28 | * | 81 | 872 | 66 | 101 | 379 | 80 | 799 | 65 | 65 | 101 |
| 204 | 87 | 48 | * | 85 | 1285 | 76 | 100 | 473 | 86 | 1168 | 77 | 77 | 100 |
| 205 | 88 | 8 | * | 85 | 1248 | 73 | 100 | 477 | 85 | 1131 | 73 | 73 | 99 |
| 206 | 88 | 28 | * | 87 | 1262 | 77 | 100 | 476 | 86 | 1156 | 74 | 74 | 101 |
| 207 | 88 | 48 | * | 85 | 1260 | 75 | 100 | 477 | 86 | 1141 | 73 | 73 | 101 |
| 208 | 89 | 8 | * | 85 | 1260 | 74 | 100 | 479 | 85 | 1141 | 72 | 72 | 100 |
| 209 | 89 | 28 | * | 85 | 1211 | 70 | 101 | 478 | 84 | 1102 | 70 | 70 | 103 |
| 210 | 89 | 47 | * | 85 | 1272 | 76 | 102 | 477 | 88 | 1187 | 78 | 78 | 101 |
| 211 | 90 | 7 | * | 86 | 1265 | 75 | 100 | 474 | 85 | 1175 | 76 | 76 | 101 |
| 212 | 90 | 27 | * | 84 | 1228 | 72 | 99 | 470 | 85 | 1129 | 72 | 72 | 101 |
| 213 | 90 | 47 | * | 85 | 1223 | 72 | 100 | 478 | 84 | 1119 | 71 | 71 | 108 |
| 214 | 91 | 7 | * | 84 | 1243 | 73 | 100 | 476 | 85 | 1143 | 73 | 73 | 101 |
| 215 | 91 | 27 | * | 84 | 1223 | 72 | 100 | 473 | 84 | 1117 | 72 | 72 | 101 |
| 216 | 91 | 47 | * | 85 | 1245 | 72 | * | 473 | 84 | 1136 | 72 | 72 | 99 |
| 217 | 92 | 7 | * | 85 | 1235 | 72 | 97 | 472 | 84 | 1124 | 71 | 71 | * |
| 218 | 92 | 27 | * | 84 | 1235 | 72 | 97 | 478 | 85 | 1117 | 69 | 69 | 101 |
| 219 | 92 | 46 | * | 85 | 1231 | 72 | 100 | 470 | 84 | 1114 | 70 | 70 | 101 |
| 220 | 93 | 6 | * | 85 | 1224 | 71 | 100 | 471 | 85 | 1105 | 69 | 69 | 100 |
| 221 | 93 | 26 | * | 84 | 1170 | 66 | 100 | 470 | 84 | 1046 | 62 | 62 | 101 |
| 222 | 93 | 46 | -22 | 78 | 573 | 22 | 102 | 374 | 76 | 545 | 16 | 16 | * |
| 223 | 94 | 6 | -21 | 78 | 649 | 22 | 102 | 339 | 76 | 528 | 15 | 15 | 102 |
| 224 | 94 | 26 | -21 | 78 | 651 | 21 | 102 | 341 | 78 | 528 | 15 | 15 | 102 |
| 225 | 94 | 45 | -22 | 78 | 649 | 21 | 102 | 339 | 76 | 533 | 15 | 15 | 102 |
| 226 | 95 | 5 | -22 | 79 | 651 | 21 | 101 | 339 | 76 | 533 | 15 | 15 | * |
| 227 | 95 | 25 | -23 | 78 | 651 | 21 | 101 | 341 | 76 | 530 | 15 | 15 | 103 |
| 228 | 95 | 45 | -22 | 78 | 649 | 21 | 102 | 341 | 76 | 528 | 15 | 15 | 102 |
| 229 | 96 | 4 | -23 | 79 | 649 | 21 | 101 | 339 | 77 | 533 | 15 | 15 | 102 |
| 230 | 96 | 24 | -23 | 78 | 649 | 21 | 102 | 339 | 76 | 528 | 14 | 14 | * |
| 231 | 96 | 44 | -23 | 79 | 654 | 21 | 102 | 339 | 76 | 528 | 15 | 15 | 102 |
| 232 | 97 | 4 | -23 | 84 | 1100 | 57 | 101 | 429 | 84 | 974 | 50 | 50 | 101 |
| 233 | 97 | 23 | -23 | 85 | 1129 | 63 | 102 | 453 | 75 | 996 | 57 | 57 | 101 |
| 234 | 97 | 43 | -23 | 85 | 1129 | 63 | 102 | 453 | 75 | 996 | 57 | 57 | 101 |
| 235 | 98 | 3 | -23 | 83 | 1146 | 63 | 100 | 467 | 84 | 1010 | 59 | 59 | 100 |
| 236 | 98 | 23 | -23 | 84 | 1146 | 63 | 100 | 472 | 84 | 1017 | 59 | 59 | 101 |
| 237 | 98 | 43 | -23 | 84 | 1148 | 63 | 100 | 481 | 85 | 1059 | 69 | 69 | 100 |
| 238 | 99 | 3 | -23 | 85 | 1240 | 74 | 99 | 488 | 85 | 1074 | 64 | 64 | * |
| 239 | 99 | 22 | -23 | 84 | 1240 | 72 | 100 | 481 | 85 | 1085 | 66 | 66 | 100 |
| 240 | 99 | 42 | -22 | 84 | 1282 | 75 | 100 | 488 | 86 | 1122 | 70 | 70 | 101 |
| 241 | 100 | 2 | -22 | 86 | 1272 | 76 | 100 | 479 | 86 | 1119 | 70 | 70 | * |
| 242 | 100 | 22 | -22 | 84 | 1267 | 76 | 100 | 477 | 85 | 1134 | 73 | 73 | * |
| 243 | 100 | 42 | -21 | 85 | 1285 | 75 | 100 | 476 | 85 | 1146 | 75 | 75 | * |
| 244 | 101 | 1 | -22 | 88 | 1274 | 76 | 100 | 478 | 86 | 1153 | 75 | 75 | 101 |
| 245 | 101 | 21 | -22 | 85 | 1250 | 72 | 101 | 476 | 85 | 1124 | 68 | 68 | 101 |
| 246 | 101 | 41 | -24 | 85 | 1228 | 72 | * | 468 | 85 | 1122 | 72 | 72 | 101 |

| -01 SHEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 IND FREE AIR TEMP | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW | 1-07 ENG.1 TORQUE | 1-08 ENG.1 POWER TURB SPEED | 1-09 ENG.1 TURB INLET TEMP (T-5) | 1-10 ENG.2 RPM (NG) | 1-11 ENG.2 FUEL FLOW | 1-12 ENG.2 TORQUE | 1-13 ENG.2 POWER TURB SPEED |
|-----------------------|----------------------|----------------------|------------------------------------|------------------------------|-------------------------------|-------------------------|---|---|------------------------------|-------------------------------|-------------------------|---|
| | | | DEG.C | PERCENT | LBS/HR | PERCENT | PERCENT | DEG.C | PERCENT | LBS/HR | PERCENT | PERCENT |
| 247 | 102 | 1 | -23 | 64 | 1238 | 70 | 101 | 473 | 65 | 1117 | 67 | 101 |
| 248 | 102 | 21 | -23 | 65 | 1248 | 74 | * | 477 | 65 | 1119 | 71 | 101 |
| 249 | 102 | 41 | -23 | 65 | 1248 | 73 | 100 | 476 | 84 | 1134 | 72 | 101 |
| 250 | 103 | 0 | -22 | 64 | 1216 | 69 | 100 | 462 | 85 | 1105 | 69 | 101 |
| 251 | 103 | 20 | -22 | 66 | 1216 | 70 | 100 | 484 | 81 | 1122 | 71 | 100 |
| 252 | 103 | 40 | -22 | 66 | 1204 | 77 | 100 | 492 | 86 | 1177 | 76 | 100 |
| 253 | 104 | 0 | -22 | 64 | 1252 | 75 | * | 461 | 86 | 1136 | 73 | 100 |
| 254 | 104 | 19 | -22 | 64 | 1248 | 75 | 100 | 477 | 91 | 1122 | 71 | 100 |
| 255 | 104 | 39 | -21 | 64 | 1243 | 73 | 100 | 478 | 85 | 1119 | 70 | 101 |
| 256 | 104 | 59 | -21 | 64 | 1252 | 74 | 100 | 476 | 85 | 1129 | 71 | 101 |
| 257 | 105 | 19 | -21 | 64 | 1233 | 73 | 100 | 476 | 85 | 1122 | 72 | 101 |
| 258 | 105 | 39 | -24 | 65 | 1231 | 71 | 100 | 471 | 84 | 1119 | 71 | 100 |
| 259 | 105 | 58 | -25 | 65 | 1245 | 75 | * | 471 | 87 | 1151 | 75 | 100 |
| 260 | 106 | 18 | -24 | 65 | 1250 | 74 | * | 473 | 85 | 1153 | 75 | 101 |
| 261 | 106 | 38 | -24 | 65 | 1248 | 74 | * | 473 | 85 | 1148 | 74 | 100 |
| 262 | 106 | 58 | -24 | 65 | 1235 | 73 | 100 | 476 | 85 | 1129 | 71 | 101 |
| 263 | 107 | 18 | -23 | 65 | 1252 | 74 | 100 | 478 | 85 | 1158 | 74 | 101 |
| 264 | 107 | 37 | -23 | 67 | 1260 | 76 | * | 478 | 86 | 1165 | 76 | 100 |
| 265 | 107 | 57 | -24 | 64 | 1204 | 69 | * | 461 | 85 | 1090 | 68 | 102 |
| 266 | 108 | 17 | -21 | 63 | 1085 | 59 | 101 | 461 | 84 | 963 | 58 | 101 |
| 269 | 189 | 16 | * | 63 | 1051 | 56 | 101 | 452 | 86 | 945 | 54 | * |
| 270 | 109 | 36 | * | 62 | 1008 | 52 | 102 | 441 | 82 | 882 | 47 | 102 |
| 271 | 109 | 56 | * | 61 | 933 | 45 | 102 | 427 | 81 | 807 | 41 | 103 |
| 272 | 110 | 15 | * | 61 | 870 | 40 | 102 | 406 | 81 | 760 | 36 | 103 |
| 273 | 110 | 35 | * | 79 | 601 | 17 | 102 | 337 | 74 | 462 | 9 | 104 |
| 274 | 110 | 55 | * | 60 | 811 | 36 | 102 | 368 | 60 | 739 | 36 | 102 |
| 275 | 111 | 14 | * | 65 | 1172 | 64 | * | 456 | 84 | 1888 | 66 | 100 |
| 276 | 111 | 34 | * | 65 | 1027 | 53 | 101 | 436 | 82 | 916 | 50 | 102 |
| 277 | 111 | 54 | * | 79 | 671 | 22 | * | 354 | 77 | 569 | 17 | 103 |
| 278 | 112 | 13 | * | 79 | 668 | 24 | 102 | 360 | 77 | 571 | 18 | 103 |
| 279 | 112 | 33 | * | 79 | 685 | 24 | 102 | 364 | 78 | 564 | 18 | 102 |
| 280 | 112 | 53 | * | 75 | 659 | 21 | 102 | 343 | 76 | 533 | 16 | 102 |
| 281 | 113 | 13 | * | 79 | 678 | 23 | 102 | 359 | 77 | 557 | 16 | 103 |
| 282 | 113 | 32 | * | 79 | 683 | 24 | 102 | 349 | 76 | 533 | 14 | 102 |
| 283 | 113 | 52 | * | 74 | 676 | 23 | 101 | 343 | 77 | 538 | 16 | 102 |
| 284 | 114 | 12 | * | 78 | 649 | 22 | 101 | 339 | 77 | 509 | 16 | * |
| 285 | 114 | 32 | * | 79 | 671 | 23 | 101 | 340 | 77 | 509 | 16 | * |
| 286 | 114 | 51 | * | 78 | 668 | 22 | 102 | 362 | 79 | 545 | 15 | * |
| 287 | 115 | 11 | * | 78 | 654 | 22 | 101 | 349 | 76 | 518 | 13 | 102 |
| 288 | 115 | 31 | * | 78 | 654 | 22 | 102 | 343 | 76 | 513 | 13 | 101 |
| 289 | 115 | 50 | * | 78 | 649 | 21 | 101 | 339 | 75 | 513 | 13 | 103 |
| 290 | 116 | 10 | * | 78 | 647 | 21 | 101 | 339 | 76 | 518 | 14 | 102 |
| 291 | 116 | 30 | * | 77 | 647 | 21 | 102 | 338 | 76 | 521 | 14 | 103 |
| 292 | 116 | 49 | * | 72 | 569 | 14 | 97 | 307 | 73 | 525 | 14 | * |
| 293 | 117 | 9 | * | 42 | 43 | 1 | 43 | 279 | 65 | 254 | 2 | 65 |
| 294 | 117 | 28 | * | 9 | * | 0 | * | 184 | 12 | * | 0 | * |
| 295 | 117 | 48 | * | 7 | * | 30 | * | 135 | 6 | * | 0 | * |
| 296 | 118 | 7 | * | 7 | * | * | * | 125 | * | * | * | * |
| 297 | 118 | 27 | * | 7 | * | * | * | 126 | * | * | * | * |
| 298 | 118 | 47 | * | 7 | * | * | * | 132 | * | * | * | * |

| -01 SMPCO COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-04 INT FOEF AIR TEMP DEG.C | 1-05 ENG.1 RPM (NG) | 1-06 ENG.1 FUEL FLOW | 1-07 ENG.1 TORQUE PERCENT | 1-08 ENG.1 TURB SPEED RPM PERCENT | 1-09 ENG.1 TURB INLET TEMP (F-5) DEG.C | 1-10 ENG.2 RPM (NG) PERCENT | 1-11 ENG.2 FUEL FLOW LBS/HR | 1-12 ENG.2 TORQUE PERCENT | 1-13 ENG.2 POWER TURB SPEED RPM PERCENT |
|-----------------------|----------------------|----------------------|---|------------------------------|-------------------------------|------------------------------------|--|--|---|---|------------------------------------|---|
| 299 | 119 | 6 | * | * | * | * | * | 142 | * | * | * | * |
| 300 | 119 | 26 | * | * | * | * | * | 150 | * | * | * | * |
| 301 | 119 | 45 | * | * | * | * | * | 151 | * | * | * | * |
| 302 | 120 | 5 | * | * | * | * | * | 152 | * | * | * | * |
| 303 | 120 | 24 | * | * | * | * | * | 158 | * | * | * | * |
| 304 | 120 | 44 | * | * | * | * | * | 160 | * | * | * | * |
| 305 | 121 | 3 | * | * | * | * | * | 161 | * | * | * | * |
| 306 | 121 | 23 | * | * | * | * | * | 167 | * | * | * | * |
| 307 | 121 | 42 | * | * | * | * | * | 166 | * | * | * | * |
| 308 | 122 | 2 | -21 | * | * | * | * | 167 | * | * | * | * |
| 310 | 122 | 22 | -22 | * | * | * | * | 168 | * | * | * | * |
| 311 | 122 | 41 | -22 | * | * | * | * | 167 | * | * | * | * |
| 312 | 123 | 1 | -23 | * | * | * | * | 167 | * | * | * | * |

HM-53C S/N 60-10354
 ARCTIC TEST
 21 JANUARY 1971
 RUN NO. 7

-42 DEG C / -43 DEG F

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C | 1-15 ROTOR RPM PERCENT | 1-17 L.M. THROTT POS PERCENT TRAVEL | 1-18 R.H. THROTT POS PERCENT TRAVEL | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL ROOST PUMP OUTLET PRESS PSIG | 1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---------------------------------|--|--|---|--|---|--|---|---|
| 1 | 2 | 53 | 34 | * | 3 | 6 | 0 | 0 | 2 | 1 | 2 | 1 |
| 2 | 3 | 14 | 34 | * | 3 | 6 | 0 | 0 | 1 | 2 | 0 | 0 |
| 3 | 3 | 35 | 35 | * | 3 | 6 | 0 | 0 | 1 | 1 | 2 | 1 |
| 4 | 3 | 55 | 35 | * | 3 | 6 | 0 | 0 | 2 | 1 | 1 | 1 |
| 5 | 4 | 16 | 36 | * | 3 | 5 | 1 | 1 | 1 | 1 | 2 | 0 |
| 6 | 4 | 36 | 36 | * | 3 | 6 | 1 | 1 | 1 | 0 | 37 | 1 |
| 7 | 4 | 56 | 36 | * | 3 | 5 | 1 | 1 | 2 | 0 | 36 | 0 |
| 8 | 5 | 17 | 34 | * | 3 | 6 | 3 | 1 | 1 | 1 | 38 | 0 |
| 9 | 5 | 38 | 36 | * | 3 | 5 | 0 | 0 | 1 | 2 | 33 | 0 |
| 10 | 5 | 58 | 38 | * | 3 | 6 | 0 | 0 | 1 | 0 | 39 | * |
| 11 | 6 | 18 | 33 | * | 3 | 6 | 0 | 0 | 1 | 0 | 34 | 0 |
| 12 | 6 | 39 | 36 | * | 3 | 6 | 0 | 0 | 1 | 0 | 36 | 0 |
| 13 | 6 | 59 | 36 | * | 3 | 6 | 0 | 0 | 1 | 0 | 35 | 0 |
| 14 | 7 | 20 | 34 | * | 3 | 5 | 0 | 0 | 1 | 0 | 35 | 0 |
| 15 | 7 | 40 | 34 | * | 3 | 7 | 0 | 0 | 1 | 0 | 37 | 0 |
| 16 | 8 | 0 | 33 | * | 4 | 6 | 0 | 0 | 1 | 0 | 38 | 0 |
| 17 | 8 | 21 | 34 | * | 4 | 6 | 0 | 0 | 1 | 1 | 36 | 0 |
| 18 | 8 | 41 | 36 | * | 3 | 6 | 0 | 0 | 1 | 1 | 37 | 0 |
| 19 | 9 | 1 | 33 | * | 3 | 6 | 0 | 0 | 1 | 1 | 36 | 0 |
| 20 | 9 | 22 | 35 | * | 3 | 6 | 0 | 0 | 1 | 0 | 34 | 0 |
| 21 | 9 | 42 | 33 | * | 3 | 6 | 0 | 0 | 5 | 0 | 35 | * |
| 22 | 10 | 2 | 33 | * | 3 | 6 | 0 | 0 | 5 | 0 | 36 | * |
| 23 | 10 | 22 | 31 | * | 22 | 6 | 14 | 14 | 12 | 0 | 35 | 0 |
| 24 | 10 | 43 | 34 | * | 22 | 7 | 18 | 18 | 13 | 0 | 36 | 0 |
| 25 | 11 | 3 | 31 | * | 22 | 6 | 15 | 15 | 16 | 0 | 35 | 0 |
| 26 | 11 | 23 | 30 | * | 22 | 5 | 14 | 14 | 25 | 0 | 33 | * |
| 27 | 11 | 43 | 171 | * | 22 | 22 | 47 | 47 | 13 | 0 | 36 | 0 |
| 28 | 12 | 3 | 326 | * | 22 | 22 | 44 | 44 | 16 | * | 35 | * |
| 29 | 12 | 24 | 343 | * | 22 | 22 | 41 | 41 | 16 | 0 | 36 | 0 |
| 30 | 12 | 44 | 351 | * | 22 | 21 | 39 | 39 | 18 | 0 | 35 | 0 |
| 31 | 13 | 4 | 348 | * | 22 | 21 | 39 | 39 | 24 | 0 | 35 | * |
| 32 | 13 | 24 | 330 | * | 22 | 21 | 38 | 38 | 21 | 0 | 33 | 0 |
| 33 | 13 | 44 | 348 | * | 22 | 21 | 36 | 36 | 21 | 21 | 33 | 0 |
| 34 | 14 | 5 | 347 | * | 70 | 74 | 48 | 48 | 23 | 45 | 34 | 43 |
| 35 | 14 | 25 | 356 | * | 82 | 67 | 49 | 49 | 28 | 69 | 39 | 75 |
| 36 | 14 | 45 | 354 | * | 77 | 74 | 47 | 47 | 27 | 72 | 39 | 75 |
| 37 | 15 | 5 | 353 | * | 77 | 79 | 48 | 48 | 27 | 64 | 41 | 75 |
| 38 | 15 | 26 | 368 | * | 77 | 78 | 43 | 43 | 28 | 62 | 41 | 75 |
| 39 | 15 | 46 | 347 | * | 78 | 78 | 43 | 43 | 29 | 57 | 39 | 73 |
| 40 | 16 | 6 | 345 | * | 74 | 74 | 44 | 44 | 25 | 59 | 38 | 76 |
| 41 | 16 | 26 | 343 | * | 77 | 78 | 45 | 45 | 29 | 63 | 40 | 77 |
| 42 | 16 | 46 | 362 | * | 77 | 79 | 43 | 43 | 26 | 59 | 37 | 74 |
| 43 | 17 | 6 | 374 | * | 77 | 78 | 43 | 43 | 27 | 63 | 37 | 78 |
| 44 | 17 | 26 | 378 | * | 77 | 74 | 48 | 48 | 27 | 60 | 39 | 78 |
| 45 | 17 | 47 | 363 | * | 78 | 79 | 47 | 47 | 30 | 62 | 39 | 78 |
| 45 | 17 | 47 | 363 | * | 78 | 79 | 47 | 47 | 30 | 62 | 39 | 78 |

| CANTON NO. | 1-22 TIME MIN. | 1-21 TIME SEC. | 1-14 ENG. 2 TURB INLET TEMP (T-5) DEG.C | 1-15 20TOP RPM | 1-17 L.H. THROTT POS | 1-18 P.H. THROTT POS | 1-19 | | 1-20 | | 1-21 | | 1-22 | | 1-23 | | 1-24 | |
|---------------|----------------------|----------------------|---|----------------------|-------------------------------|-------------------------------|--|---|--|---|---|---|------|----|------|----|------|--|
| | | | | | | | ENG. 1 OIL PUMP OUTLET PRESS PSIG | ENG. 1 SCAV PUMP OUTLET PRESS PSIG | ENG. 1 FUEL BOOST PUMP OUTLET PRESS PSIG | ENG. 1 NOSE GEAR BOX OIL PRESS PSIG | ENG. 1 ACCESS GEAR BOX OIL PRESS PSIG | MAIN GEAR BOX OIL PRESS PSIG | | | | | | |
| 46 | 13 | 7 | 357 | 104 | 76 | 76 | 48 | 23 | 25 | 62 | 39 | 77 | 77 | 39 | 77 | 77 | 77 | |
| 47 | 17 | 27 | 358 | 104 | 76 | 76 | 46 | 18 | 24 | 61 | 37 | 78 | 78 | 37 | 78 | 78 | 78 | |
| 48 | 18 | 47 | 354 | 104 | 76 | 76 | 48 | 21 | 26 | 62 | 39 | 78 | 78 | 39 | 78 | 78 | 78 | |
| 49 | 19 | 7 | 353 | 104 | 77 | 79 | 46 | 19 | 28 | 62 | 39 | 78 | 78 | 39 | 78 | 78 | 78 | |
| 50 | 19 | 27 | 349 | * | 76 | 76 | 49 | 23 | 27 | 60 | 39 | 77 | 77 | 39 | 77 | 77 | 77 | |
| 51 | 19 | 47 | 342 | 104 | 76 | 76 | 48 | 22 | 29 | 59 | 39 | 77 | 77 | 39 | 77 | 77 | 77 | |
| 52 | 20 | 7 | 342 | 103 | 77 | 79 | 45 | 22 | 27 | 60 | 41 | 79 | 79 | 41 | 79 | 79 | 79 | |
| 53 | 20 | 27 | 339 | 104 | 77 | 78 | 45 | 19 | 26 | 62 | 41 | 79 | 79 | 41 | 79 | 79 | 79 | |
| 54 | 20 | 47 | 343 | 104 | 77 | 78 | 42 | 22 | 29 | 61 | 39 | 79 | 79 | 39 | 79 | 79 | 79 | |
| 55 | 21 | 7 | 339 | 103 | 79 | 79 | 46 | 20 | 26 | 62 | 39 | 79 | 79 | 39 | 79 | 79 | 79 | |
| 56 | 21 | 28 | 353 | 104 | 77 | 78 | 46 | 21 | 25 | 60 | 39 | 77 | 77 | 39 | 77 | 77 | 77 | |
| 57 | 21 | 48 | 361 | 104 | 78 | 78 | 47 | 23 | 24 | 58 | 42 | 75 | 75 | 42 | 75 | 75 | 75 | |
| 58 | 22 | 8 | 361 | 103 | 77 | 78 | 46 | 20 | 28 | 61 | 38 | 77 | 77 | 38 | 77 | 77 | 77 | |
| 59 | 22 | 28 | 351 | 102 | 77 | 79 | 55 | 26 | 28 | 55 | 38 | 76 | 76 | 38 | 76 | 76 | 76 | |
| 60 | 22 | 48 | 484 | * | 79 | 74 | 52 | 23 | 26 | 60 | 39 | 78 | 78 | 39 | 78 | 78 | 78 | |
| 61 | 23 | 8 | 478 | 103 | 79 | 78 | 52 | 24 | 27 | 58 | 38 | 78 | 78 | 38 | 78 | 78 | 78 | |
| 62 | 23 | 28 | 475 | 103 | 77 | 77 | 51 | 27 | 27 | 61 | 39 | 76 | 76 | 39 | 76 | 76 | 76 | |
| 63 | 23 | 48 | 467 | 103 | 79 | 78 | 47 | 19 | 27 | 62 | 38 | 74 | 74 | 38 | 74 | 74 | 74 | |
| 64 | 24 | 8 | 460 | 104 | 79 | 79 | 50 | 18 | 27 | 61 | 39 | 76 | 76 | 39 | 76 | 76 | 76 | |
| 65 | 25 | 18 | * | 104 | 79 | 79 | 50 | 20 | 27 | 60 | 39 | 74 | 74 | 39 | 74 | 74 | 74 | |
| 66 | 25 | 38 | 458 | 103 | 79 | 79 | 49 | 21 | 28 | 60 | 37 | 75 | 75 | 37 | 75 | 75 | 75 | |
| 67 | 25 | 58 | 456 | 104 | 79 | 79 | 49 | 19 | 27 | 60 | 39 | 73 | 73 | 39 | 73 | 73 | 73 | |
| 68 | 27 | 56 | 455 | 103 | 79 | 79 | 49 | 20 | 26 | 59 | 37 | 74 | 74 | 37 | 74 | 74 | 74 | |
| 69 | 30 | 33 | 432 | 102 | 74 | 73 | 46 | 22 | 26 | 55 | 34 | 69 | 69 | 34 | 69 | 69 | 69 | |
| 70 | 30 | 54 | 438 | 101 | 74 | 73 | 49 | 20 | 27 | 58 | 38 | 70 | 70 | 38 | 70 | 70 | 70 | |
| 71 | 31 | 14 | 437 | 101 | 74 | 73 | 47 | 21 | 28 | 58 | 38 | 67 | 67 | 38 | 67 | 67 | 67 | |
| 72 | 31 | 34 | 443 | 101 | 74 | 73 | 48 | 19 | 28 | 54 | 34 | 67 | 67 | 34 | 67 | 67 | 67 | |
| 73 | 32 | 33 | 464 | 101 | 73 | 73 | 47 | 20 | 27 | 54 | 34 | 69 | 69 | 34 | 69 | 69 | 69 | |
| 74 | 32 | 53 | 477 | 101 | 74 | 77 | 50 | 23 | 26 | 56 | 37 | 67 | 67 | 37 | 67 | 67 | 67 | |
| 75 | 33 | 14 | 479 | 101 | 74 | 77 | 49 | 21 | 26 | 60 | 36 | 68 | 68 | 36 | 68 | 68 | 68 | |
| 76 | 33 | 34 | 482 | * | 74 | 76 | 50 | 17 | 25 | 55 | 37 | 68 | 68 | 37 | 68 | 68 | 68 | |
| 77 | 33 | 54 | 484 | 101 | 74 | 75 | 48 | 19 | 30 | 55 | 38 | 71 | 71 | 38 | 71 | 71 | 71 | |
| 78 | 34 | 14 | 476 | 101 | 75 | 75 | 49 | 23 | 25 | 54 | 38 | 69 | 69 | 38 | 69 | 69 | 69 | |
| 79 | 34 | 35 | 475 | 101 | 75 | 75 | 49 | 23 | 25 | 59 | 39 | 69 | 69 | 39 | 69 | 69 | 69 | |
| 80 | 34 | 55 | 480 | 102 | 75 | 76 | 48 | 23 | 27 | 59 | 39 | 70 | 70 | 39 | 70 | 70 | 70 | |
| 81 | 35 | 15 | 481 | 102 | 75 | 76 | 49 | 17 | 27 | 56 | 37 | 72 | 72 | 37 | 72 | 72 | 72 | |
| 82 | 35 | 35 | 485 | * | 75 | 76 | 48 | 20 | 28 | 56 | 36 | 72 | 72 | 36 | 72 | 72 | 72 | |
| 83 | 35 | 55 | 490 | 101 | 75 | 78 | 47 | 20 | 26 | 56 | 36 | 72 | 72 | 36 | 72 | 72 | 72 | |
| 84 | 36 | 15 | 510 | 102 | 75 | 76 | 49 | 18 | 26 | 57 | 38 | 71 | 71 | 38 | 71 | 71 | 71 | |
| 85 | 36 | 36 | 489 | 102 | 76 | 76 | 48 | 18 | 26 | 56 | 36 | 70 | 70 | 36 | 70 | 70 | 70 | |
| 86 | 36 | 56 | 490 | 102 | 76 | 78 | 48 | 18 | 26 | 56 | 36 | 69 | 69 | 36 | 69 | 69 | 69 | |
| 87 | 37 | 16 | 492 | 101 | 76 | 78 | 47 | 26 | 26 | 59 | 36 | 69 | 69 | 36 | 69 | 69 | 69 | |
| 88 | 37 | 36 | 489 | 102 | 76 | 78 | 48 | 28 | 28 | 60 | 36 | 70 | 70 | 36 | 70 | 70 | 70 | |
| 89 | 37 | 56 | 484 | 102 | 76 | 78 | 48 | 26 | 30 | 60 | 36 | 69 | 69 | 36 | 69 | 69 | 69 | |
| 90 | 38 | 16 | 510 | 101 | 76 | 78 | 49 | 18 | 26 | 57 | 38 | 71 | 71 | 38 | 71 | 71 | 71 | |
| 91 | 38 | 36 | 488 | * | 76 | 78 | 51 | 18 | 30 | 55 | 38 | 71 | 71 | 38 | 71 | 71 | 71 | |
| 92 | 38 | 56 | 492 | * | 76 | 78 | 48 | 24 | 24 | 56 | 34 | 71 | 71 | 34 | 71 | 71 | 71 | |
| 93 | 39 | 16 | 488 | 102 | 76 | 78 | 48 | 24 | 23 | 53 | 39 | 71 | 71 | 39 | 71 | 71 | 71 | |
| 94 | 39 | 37 | 492 | 102 | 76 | 78 | 48 | 24 | 24 | 54 | 38 | 71 | 71 | 38 | 71 | 71 | 71 | |
| 95 | 39 | 57 | 504 | 102 | 77 | 78 | 48 | 17 | 25 | 55 | 37 | 70 | 70 | 37 | 70 | 70 | 70 | |

| -01 SHEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C | 1-15 ROTOR RPM | 1-17 L.H. THROTT POS | PERCENT TRAVEL | 1-18 P.M. THROTT POS | PERCENT TRAVEL | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL BOOST PUMP OUTLET PRESS PSIG | 1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG |
|-----------------------|----------------------|----------------------|--|----------------------|-------------------------------|-------------------|-------------------------------|-------------------|---|--|---|--|---|---|
| 96 | 40 | 17 | 508 | 102 | 76 | 78 | 48 | 48 | 17 | 17 | 23 | 55 | 37 | 71 |
| 97 | 40 | 37 | 510 | 102 | 76 | 78 | 50 | 50 | 16 | 16 | 21 | 57 | 35 | 69 |
| 99 | 41 | 17 | 505 | 101 | 75 | 78 | 49 | 49 | 16 | 16 | 24 | 55 | 37 | 71 |
| 100 | 41 | 37 | 505 | 102 | 75 | 78 | 48 | 48 | 17 | 17 | 23 | 57 | 38 | 71 |
| 101 | 41 | 57 | 523 | * | 75 | 78 | 49 | 49 | 13 | 13 | 24 | 55 | 36 | 71 |
| 102 | 42 | 17 | 510 | 102 | 75 | 78 | 49 | 49 | 16 | 16 | 25 | 55 | 36 | 70 |
| 103 | 42 | 37 | 510 | 102 | 75 | 78 | 49 | 49 | 16 | 16 | 23 | 56 | 34 | 73 |
| 104 | 42 | 57 | 514 | 101 | 75 | 78 | 51 | 51 | 16 | 16 | 22 | 54 | 36 | 72 |
| 105 | 43 | 17 | 519 | 102 | 75 | 78 | 48 | 48 | 13 | 13 | 25 | 57 | 35 | 70 |
| 106 | 43 | 37 | 523 | 102 | 75 | 78 | 49 | 49 | 13 | 13 | 24 | 56 | 34 | 70 |
| 107 | 43 | 57 | 520 | 101 | 75 | 78 | 48 | 48 | 12 | 12 | 24 | 53 | 37 | 71 |
| 108 | 44 | 17 | 523 | 102 | 75 | 78 | 50 | 50 | 14 | 14 | 22 | 52 | 36 | 71 |
| 109 | 44 | 37 | 517 | 101 | 75 | 78 | 48 | 48 | 15 | 15 | 23 | 55 | 36 | 72 |
| 110 | 44 | 57 | 519 | 102 | 75 | 78 | 49 | 49 | 14 | 14 | 24 | 55 | 37 | 69 |
| 111 | 45 | 17 | 525 | 102 | 75 | 78 | 44 | 44 | 12 | 12 | 23 | 55 | 36 | 70 |
| 112 | 45 | 37 | 523 | * | 75 | 78 | 49 | 49 | 12 | 12 | 26 | 52 | 35 | 69 |
| 113 | 45 | 57 | 518 | 102 | 75 | 78 | 48 | 48 | 16 | 16 | 25 | 55 | 36 | 69 |
| 114 | 46 | 17 | 517 | 101 | 75 | 78 | 48 | 48 | 14 | 14 | 23 | 55 | 36 | 71 |
| 115 | 49 | 3 | 581 | 102 | 76 | 78 | 48 | 48 | 16 | 16 | 24 | 53 | 35 | 71 |
| 116 | 49 | 23 | 573 | 102 | 76 | 78 | 46 | 46 | 13 | 13 | 25 | 53 | 33 | 70 |
| 117 | 49 | 43 | 549 | 102 | 76 | 78 | 48 | 48 | 18 | 18 | 22 | 61 | 35 | 71 |
| 118 | 51 | 42 | 573 | 102 | 76 | 78 | 49 | 49 | 12 | 12 | 24 | 60 | 34 | 70 |
| 119 | 52 | 2 | 575 | 101 | 76 | 78 | 49 | 49 | 15 | 15 | 24 | 52 | 35 | 69 |
| 120 | 52 | 22 | 589 | 102 | 76 | 78 | 51 | 51 | 16 | 16 | 24 | 52 | 36 | 70 |
| 121 | 54 | 21 | 577 | * | 87 | 89 | 52 | 52 | 15 | 15 | 24 | 54 | 37 | 74 |
| 122 | 54 | 43 | 586 | * | 87 | 90 | 52 | 52 | 14 | 14 | 24 | 58 | 37 | 75 |
| 123 | 55 | 3 | 510 | 102 | 70 | 71 | 47 | 47 | 15 | 15 | 24 | 51 | 34 | 72 |
| 124 | 56 | 20 | 432 | 101 | 69 | 70 | 45 | 45 | 14 | 14 | 24 | 62 | 35 | 72 |
| 125 | 56 | 40 | 489 | 100 | 68 | 70 | 46 | 46 | 17 | 17 | 23 | 51 | 33 | 69 |
| 126 | 57 | 1 | 495 | 100 | 68 | 70 | 48 | 48 | 12 | 12 | 26 | 56 | 34 | 69 |
| 127 | 57 | 21 | 518 | 99 | 69 | 70 | 49 | 49 | 18 | 18 | 24 | 54 | 35 | 66 |
| 128 | 57 | 41 | 535 | 101 | 75 | 78 | 49 | 49 | 17 | 17 | 25 | 54 | 36 | 72 |
| 129 | 58 | 1 | 541 | 101 | 76 | 78 | 51 | 51 | 17 | 17 | 23 | 53 | 36 | 72 |
| 130 | 58 | 21 | 544 | * | 76 | 78 | 51 | 51 | 17 | 17 | 23 | 59 | 35 | 71 |
| 131 | 58 | 41 | 560 | 102 | 76 | 78 | 49 | 49 | 15 | 15 | 26 | 55 | 34 | 70 |
| 132 | 59 | 1 | 573 | 102 | 76 | 78 | 48 | 48 | 19 | 19 | 28 | 52 | 34 | 72 |
| 133 | 59 | 21 | 574 | 102 | 76 | 78 | 51 | 51 | 16 | 16 | 22 | 54 | 34 | 72 |
| 134 | 59 | 41 | 575 | 102 | 76 | 78 | 52 | 52 | 14 | 14 | 21 | 54 | 35 | 71 |
| 135 | 60 | 1 | 573 | 102 | 76 | 78 | 49 | 49 | 20 | 20 | 28 | 52 | 35 | 69 |
| 136 | 60 | 21 | 573 | 101 | 76 | 78 | 51 | 51 | 16 | 16 | 28 | 54 | 38 | 69 |
| 137 | 60 | 41 | 545 | * | 76 | 78 | 50 | 50 | 14 | 14 | 25 | 54 | 35 | 72 |
| 138 | 61 | 0 | 578 | * | 86 | 88 | 52 | 52 | 19 | 19 | 25 | 62 | 38 | 74 |
| 139 | 61 | 20 | 578 | 106 | 86 | 88 | 52 | 52 | 16 | 16 | 26 | 60 | 38 | 74 |
| 140 | 62 | 19 | 529 | 106 | 85 | 84 | 52 | 52 | 17 | 17 | 26 | 62 | 37 | 75 |
| 141 | 62 | 38 | 518 | 106 | 73 | 73 | 50 | 50 | 16 | 16 | 28 | 56 | 38 | 72 |
| 142 | 62 | 58 | 492 | 102 | 73 | 75 | 48 | 48 | 18 | 18 | 24 | 54 | 36 | 72 |
| 143 | 64 | 58 | 487 | 102 | 73 | 75 | 48 | 48 | 12 | 12 | 23 | 55 | 37 | 72 |
| 144 | 65 | 18 | 454 | 102 | 74 | 75 | 46 | 46 | 14 | 14 | 23 | 55 | 36 | 71 |
| 145 | 65 | 38 | 450 | 102 | 74 | 75 | 48 | 48 | 13 | 13 | 25 | 56 | 36 | 72 |
| 146 | 65 | 58 | 449 | 103 | 73 | 75 | 48 | 48 | 18 | 16 | 28 | 56 | 38 | 71 |

| SWEEP COUNT | 1-01 TIME MIN. | 1-02 TIME SEC. | 1-03 ENG.2 TURB INLET TEMP (T-5) DEG.C | 1-14 ROTO RPM | 1-15 L.H. THROTT POS | 1-17 R.H. THROTT POS | 1-18 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-19 ENG.1 SCAV PUMP OUTLET PRESS PSIG | 1-20 ENG.1 FUEL BOOST PUMP OUTLET PRESS PSIG | 1-21 ENG.1 NOSE GEAR ROX OIL PRESS PSIG | 1-22 ACCESS GEAR BOX OIL PRESS PSIG | 1-23 MAIN GEAR BOX OIL PRESS PSIG |
|----------------|----------------------|----------------------|--|---------------------|-------------------------------|-------------------------------|---|--|---|--|---|---|
| 147 | 66 | 55 | 414 | * | 74 | 75 | 42 | 15 | 23 | 55 | 36 | 73 |
| 148 | 67 | 15 | 373 | * | 74 | 75 | 39 | 15 | 22 | 59 | 40 | 73 |
| 149 | 67 | 34 | 310 | * | 73 | 75 | 40 | 17 | 22 | 60 | 42 | 75 |
| 150 | 67 | 50 | 306 | * | 73 | 75 | 41 | 18 | 25 | 57 | 42 | 75 |
| 151 | 68 | 13 | 301 | * | 73 | 74 | 41 | 20 | 24 | 60 | 40 | 75 |
| 152 | 68 | 33 | 337 | 103 | 73 | 75 | 46 | 19 | 26 | 55 | 39 | 72 |
| 153 | 68 | 53 | 373 | * | 73 | 75 | 46 | 20 | 27 | 59 | 41 | 72 |
| 154 | 69 | 12 | 357 | 103 | 73 | 75 | 47 | 25 | 26 | 59 | 38 | 70 |
| 155 | 69 | 32 | 362 | 103 | 73 | 74 | 46 | 25 | 27 | 55 | 39 | 69 |
| 156 | 69 | 52 | 381 | * | 73 | 74 | 46 | 22 | 27 | 55 | 39 | 69 |
| 157 | 70 | 12 | 387 | 101 | 73 | 74 | 51 | 21 | 24 | 57 | 38 | 64 |
| 158 | 70 | 32 | 424 | 102 | 73 | 74 | 48 | 26 | 26 | 62 | 39 | 69 |
| 159 | 70 | 52 | 404 | 103 | 74 | 74 | 47 | 25 | 25 | 60 | 41 | 68 |
| 160 | 71 | 12 | 398 | 103 | 73 | 74 | 48 | 24 | 28 | 59 | 38 | 68 |
| 161 | 71 | 31 | 398 | * | 74 | 74 | 48 | 22 | 24 | 60 | 39 | 68 |
| 162 | 71 | 51 | 397 | 102 | 74 | 74 | 48 | 23 | 30 | 57 | 39 | 66 |
| 163 | 72 | 11 | 405 | 102 | 73 | 74 | 48 | 22 | 28 | 59 | 39 | 65 |
| 164 | 72 | 31 | 438 | 101 | 73 | 74 | 51 | 21 | 24 | 56 | 37 | 66 |
| 165 | 72 | 51 | 478 | 101 | 73 | 74 | 51 | 21 | 26 | 55 | 37 | 66 |
| 166 | 73 | 11 | 482 | * | 73 | 74 | 49 | 19 | 28 | 59 | 36 | 69 |
| 167 | 73 | 31 | 455 | 101 | 73 | 74 | 48 | 18 | 28 | 59 | 38 | 70 |
| 168 | 73 | 51 | 479 | 101 | 73 | 74 | 51 | 22 | 29 | 59 | 39 | 71 |
| 169 | 74 | 11 | 444 | 102 | 73 | 74 | 48 | 23 | 29 | 56 | 36 | 67 |
| 170 | 74 | 31 | 455 | 102 | 73 | 74 | 50 | 23 | 27 | 56 | 39 | 67 |
| 171 | 74 | 51 | 460 | 101 | 73 | 74 | 48 | 20 | 25 | 57 | 38 | 68 |
| 172 | 75 | 11 | 444 | 102 | 73 | 74 | 48 | 21 | 30 | 55 | 37 | 68 |
| 173 | 75 | 31 | 469 | * | 73 | 74 | 48 | 23 | 28 | 55 | 38 | 69 |
| 174 | 75 | 51 | 463 | 102 | 73 | 74 | 48 | 19 | 28 | 59 | 39 | 69 |
| 175 | 78 | 12 | 376 | 103 | 74 | 74 | 46 | 21 | 26 | 62 | 41 | 71 |
| 176 | 78 | 31 | 388 | 102 | 74 | 74 | 47 | 23 | 25 | 55 | 39 | 67 |
| 177 | 78 | 51 | 480 | 100 | 73 | 74 | 51 | 21 | 25 | 52 | 38 | 65 |
| 178 | 79 | 11 | 488 | 101 | 73 | 74 | 50 | 21 | 28 | 52 | 37 | 65 |
| 179 | 79 | 31 | 488 | * | 73 | 74 | 51 | 24 | 28 | 53 | 38 | 65 |
| 180 | 79 | 51 | 484 | 101 | 73 | 74 | 50 | 22 | 27 | 55 | 37 | 65 |
| 181 | 80 | 11 | 490 | 100 | 73 | 74 | 51 | 20 | 24 | 56 | 38 | 66 |
| 182 | 80 | 31 | 485 | 101 | 73 | 74 | 51 | 19 | 28 | 59 | 39 | 71 |
| 183 | 80 | 51 | 479 | 101 | 73 | 74 | 49 | 23 | 28 | 59 | 39 | 71 |
| 184 | 81 | 11 | 456 | * | 74 | 74 | 49 | 16 | 27 | 60 | 30 | 72 |
| 185 | 81 | 31 | 362 | 102 | 73 | 74 | 48 | 20 | 28 | 56 | 39 | 70 |
| 186 | 81 | 51 | 329 | 102 | 74 | 74 | 48 | 18 | 25 | 58 | 38 | 70 |
| 187 | 82 | 10 | 327 | 103 | 73 | 74 | 44 | 19 | 26 | 57 | 39 | 69 |
| 188 | 82 | 30 | 327 | 102 | 74 | 74 | 43 | 23 | 27 | 59 | 37 | 69 |
| 189 | 82 | 50 | 327 | 102 | 73 | 74 | 45 | 24 | 25 | 60 | 41 | 69 |
| 190 | 83 | 10 | 324 | 102 | 73 | 74 | 45 | 24 | 28 | 58 | 39 | 69 |
| 191 | 83 | 30 | 327 | * | 73 | 74 | 45 | 20 | 28 | 56 | 39 | 69 |
| 192 | 83 | 50 | 331 | 102 | 73 | 74 | 46 | 19 | 28 | 56 | 39 | 69 |
| 193 | 84 | 10 | 331 | 103 | 74 | 74 | 45 | 19 | 30 | 55 | 36 | 69 |
| 194 | 84 | 30 | 332 | 103 | 73 | 74 | 44 | 19 | 28 | 59 | 37 | 67 |
| 195 | 84 | 49 | 331 | 102 | 73 | 74 | 44 | 24 | 28 | 59 | 37 | 67 |
| 196 | 85 | 9 | 331 | 102 | 74 | 74 | 45 | 22 | 25 | 59 | 37 | 68 |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-14 ENG.2 TURB INLET TEMP (T-5) DEG.C | 1-15 ROTOR RPM | 1-17 L.H. THROTT POS PERCENT TRAVEL | 1-18 R.H. THROTT POS PERCENT TRAVEL | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG | 1-22 ENG.1 NOSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG |
|-----------------------|----------------------|----------------------|--|----------------------|--|--|---|--|--|--|---|---|
| 197 | 85 | 29 | 331 | 102 | 74 | 74 | 47 | 24 | 18 | 54 | 16 | 72 |
| 198 | 85 | 49 | 452 | 102 | 73 | 74 | 51 | 23 | 26 | 55 | 38 | 69 |
| 199 | 86 | 9 | 490 | 102 | 73 | 74 | 53 | 25 | 26 | 51 | 37 | 67 |
| 200 | 86 | 29 | 462 | 103 | 73 | 74 | 51 | 24 | 27 | 54 | 39 | 68 |
| 201 | 86 | 49 | 434 | 103 | 73 | 74 | 48 | 21 | 28 | 60 | 37 | 71 |
| 202 | 87 | 8 | 342 | 102 | 74 | 74 | 46 | 20 | 26 | 57 | 37 | 70 |
| 203 | 87 | 28 | 392 | 102 | 73 | 74 | 48 | 22 | 27 | 55 | 37 | 66 |
| 204 | 87 | 48 | 454 | 101 | 73 | 74 | 51 | 21 | 27 | 59 | 37 | 66 |
| 205 | 88 | 8 | 488 | 100 | 73 | 74 | 53 | 20 | 26 | 56 | 39 | 66 |
| 206 | 88 | 28 | 489 | 100 | 73 | 74 | 51 | 22 | 30 | 59 | 37 | 66 |
| 207 | 88 | 48 | 468 | 101 | 73 | 74 | 49 | 20 | 26 | 57 | 36 | 66 |
| 208 | 89 | 8 | 490 | 100 | 73 | 74 | 51 | 20 | 24 | 59 | 37 | 67 |
| 209 | 89 | 28 | 479 | 102 | 73 | 74 | 51 | 20 | 26 | 57 | 36 | 66 |
| 210 | 89 | 47 | 490 | 102 | 73 | 74 | 51 | 20 | 26 | 56 | 36 | 65 |
| 211 | 90 | 7 | 484 | 100 | 73 | 74 | 51 | 22 | 28 | 57 | 38 | 66 |
| 212 | 90 | 27 | 484 | 101 | 73 | 74 | 51 | 20 | 27 | 59 | 34 | 66 |
| 213 | 90 | 47 | 480 | 101 | 73 | 74 | 49 | 21 | 24 | 55 | 39 | 69 |
| 214 | 91 | 7 | 487 | 101 | 73 | 74 | 51 | 21 | 28 | 54 | 37 | 66 |
| 215 | 91 | 27 | 484 | 101 | 73 | 74 | 49 | 20 | 26 | 54 | 39 | 68 |
| 216 | 91 | 47 | 485 | 100 | 73 | 74 | 50 | 19 | 29 | 54 | 78 | 80 |
| 217 | 92 | 7 | 485 | 102 | 73 | 74 | 49 | 20 | 24 | 57 | 36 | 68 |
| 218 | 92 | 27 | 482 | 101 | 73 | 74 | 50 | 20 | 28 | 57 | 39 | 69 |
| 219 | 92 | 46 | 488 | 101 | 73 | 74 | 49 | 21 | 27 | 57 | 38 | 68 |
| 220 | 93 | 6 | 480 | 100 | 73 | 74 | 51 | 22 | 25 | 62 | 37 | 67 |
| 221 | 93 | 26 | 485 | 102 | 74 | 74 | 48 | 19 | 27 | 65 | 37 | 71 |
| 222 | 93 | 46 | 376 | 102 | 74 | 74 | 44 | 22 | 28 | 57 | 39 | 71 |
| 223 | 94 | 6 | 336 | 102 | 73 | 74 | 44 | 20 | 25 | 58 | 37 | 69 |
| 224 | 94 | 26 | 329 | 102 | 74 | 74 | 45 | 22 | 27 | 59 | 37 | 70 |
| 225 | 94 | 45 | 329 | 103 | 73 | 74 | 45 | 18 | 24 | 59 | 40 | 70 |
| 226 | 95 | 5 | 328 | 102 | 74 | 74 | 45 | 23 | 25 | 66 | 39 | 71 |
| 227 | 95 | 25 | 333 | 103 | 74 | 74 | 45 | 26 | 25 | 59 | 40 | 68 |
| 228 | 95 | 45 | 331 | 103 | 74 | 74 | 45 | 21 | 24 | 59 | 39 | 69 |
| 229 | 96 | 4 | 328 | 101 | 74 | 74 | 43 | 20 | 25 | 60 | 36 | 69 |
| 230 | 96 | 24 | 328 | 103 | 74 | 74 | 45 | 22 | 28 | 55 | 39 | 69 |
| 231 | 96 | 44 | 329 | 102 | 74 | 74 | 45 | 24 | 26 | 59 | 38 | 67 |
| 232 | 97 | 4 | 329 | 102 | 74 | 74 | 45 | 19 | 24 | 60 | 38 | 71 |
| 233 | 97 | 23 | 439 | 101 | 73 | 74 | 49 | 23 | 27 | 56 | 41 | 68 |
| 234 | 97 | 43 | 473 | 101 | 73 | 74 | 49 | 21 | 28 | 55 | 37 | 67 |
| 235 | 98 | 3 | 477 | 101 | 73 | 74 | 53 | 21 | 26 | 58 | 37 | 69 |
| 236 | 98 | 23 | 479 | 100 | 73 | 74 | 49 | 19 | 28 | 56 | 36 | 69 |
| 237 | 98 | 43 | 489 | 100 | 73 | 74 | 52 | 21 | 24 | 57 | 36 | 71 |
| 238 | 99 | 3 | 494 | 99 | 73 | 74 | 50 | 24 | 27 | 55 | 35 | 72 |
| 239 | 99 | 22 | 494 | 100 | 73 | 74 | 48 | 24 | 28 | 55 | 36 | 71 |
| 240 | 99 | 42 | 502 | 100 | 73 | 74 | 48 | 20 | 25 | 54 | 39 | 68 |
| 241 | 100 | 2 | 485 | 100 | 73 | 74 | 51 | 21 | 27 | 54 | 36 | 67 |
| 242 | 100 | 22 | 490 | 100 | 73 | 74 | 49 | 20 | 28 | 54 | 37 | 68 |
| 243 | 100 | 42 | 485 | 101 | 73 | 74 | 50 | 21 | 28 | 56 | 36 | 67 |
| 244 | 101 | 1 | 485 | 101 | 73 | 74 | 51 | 18 | 27 | 57 | 38 | 67 |
| 245 | 101 | 21 | 487 | 102 | 73 | 74 | 50 | 18 | 27 | 57 | 39 | 66 |
| 246 | 101 | 41 | 475 | 102 | 73 | 74 | 50 | 25 | 28 | 60 | 35 | 65 |

| NO. | 1-02 | 1-03 | 1-14 | 1-15 | 1-17 | 1-18 | 1-19 | 1-20 | 1-21 | 1-22 | 1-23 | 1-24 |
|--------|------|------|-------|---------|---------|---------|--------|--------|--------|-------|--------|------|
| MARKED | TIME | TIME | ENG.2 | ROTOR | L.H. | R.H. | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ACCESS | MAIN |
| COUNT | MIN. | SEC. | INLET | RPM | THROTT | THROTT | PUMP | SCAV | FUEL | GEAR | GEAR | GEAR |
| | | | (T-5) | | POS | POS | OUTLET | PUMP | ROOST | NOSE | BOX | BOX |
| | | | DEG.C | PERCENT | PERCENT | PERCENT | PRESS | OUTLET | OUTLET | OIL | OIL | OIL |
| | | | | TRAVEL | TRAVEL | TRAVEL | PSIG | PSIG | PSIG | PSIG | PSIG | PSIG |
| 247 | 102 | 1 | 484 | 101 | 73 | 74 | 50 | 22 | 29 | 58 | 37 | 69 |
| 248 | 102 | 21 | 494 | 101 | 73 | 74 | 51 | 22 | 28 | 55 | 37 | 66 |
| 249 | 102 | 41 | 488 | 101 | 73 | 74 | 49 | 23 | 30 | 54 | 38 | 67 |
| 250 | 103 | 0 | 500 | 100 | 73 | 74 | 49 | 21 | 26 | 54 | 36 | 69 |
| 251 | 103 | 20 | 495 | * | 73 | 74 | 51 | 19 | 26 | 55 | 38 | 69 |
| 252 | 103 | 40 | 502 | 100 | 73 | 74 | 51 | 18 | 30 | 59 | 37 | 68 |
| 253 | 104 | 0 | 489 | 101 | 73 | 74 | 48 | 24 | 28 | 54 | 37 | 69 |
| 254 | 104 | 19 | 447 | 101 | 73 | 74 | 51 | 20 | 30 | 52 | 37 | 69 |
| 255 | 104 | 39 | 490 | 100 | 73 | 74 | 51 | 23 | 27 | 58 | 36 | 69 |
| 256 | 104 | 59 | 495 | 100 | 74 | 74 | 49 | 22 | 29 | 59 | 38 | 66 |
| 257 | 105 | 19 | 480 | 101 | 73 | 74 | 49 | 20 | 27 | 59 | 38 | 67 |
| 258 | 105 | 39 | 478 | 101 | 73 | 74 | 48 | 22 | 26 | 59 | 36 | 67 |
| 259 | 105 | 58 | 479 | 101 | 73 | 74 | 50 | 20 | 23 | 55 | 37 | 67 |
| 260 | 106 | 18 | 485 | * | 73 | 74 | 50 | 20 | 26 | 54 | 36 | 68 |
| 261 | 106 | 38 | 495 | 101 | 73 | 74 | 49 | 19 | 27 | 54 | 38 | 67 |
| 262 | 106 | 58 | 489 | 101 | 73 | 74 | 49 | 18 | 26 | 58 | 36 | 69 |
| 263 | 107 | 18 | 497 | 100 | 74 | 74 | 49 | 21 | 25 | 57 | 38 | 67 |
| 264 | 107 | 37 | 497 | 101 | 73 | 74 | 51 | 20 | 26 | 57 | 37 | 69 |
| 265 | 107 | 57 | 488 | * | 73 | 74 | 51 | 22 | 29 | 58 | 38 | 68 |
| 266 | 108 | 17 | 473 | 102 | 73 | 75 | 49 | 20 | 26 | 59 | 40 | 70 |
| 269 | 109 | 16 | 460 | 102 | 73 | 74 | 50 | 20 | 25 | 52 | 39 | 72 |
| 270 | 109 | 36 | 443 | 102 | 73 | 74 | 48 | 20 | 27 | 60 | 39 | 72 |
| 271 | 109 | 56 | 426 | 103 | 73 | 74 | 48 | 23 | 27 | 57 | 41 | 71 |
| 272 | 110 | 15 | 407 | 103 | 73 | 74 | 47 | 21 | 26 | 59 | 41 | 72 |
| 273 | 110 | 35 | 323 | * | 73 | 74 | 45 | 23 | 30 | 66 | 39 | 73 |
| 274 | 110 | 55 | 373 | 102 | 73 | 74 | 47 | 23 | 28 | 57 | 41 | 67 |
| 275 | 111 | 14 | 463 | 100 | 73 | 74 | 49 | 21 | 27 | 56 | 38 | 68 |
| 276 | 111 | 34 | 437 | 102 | 73 | 74 | 50 | 18 | 30 | 60 | 41 | 70 |
| 277 | 111 | 54 | 354 | 102 | 74 | 74 | 45 | 18 | 27 | 62 | 37 | 72 |
| 278 | 112 | 13 | 349 | 102 | 74 | 74 | 46 | 18 | 27 | 57 | 39 | 71 |
| 279 | 112 | 33 | 351 | 103 | 74 | 74 | 45 | 19 | 24 | 62 | 39 | 74 |
| 280 | 112 | 53 | 336 | 101 | 74 | 74 | 45 | 21 | 27 | 57 | 40 | 70 |
| 281 | 113 | 13 | 343 | 102 | 74 | 74 | 46 | 19 | 26 | 60 | 38 | 72 |
| 282 | 113 | 32 | 338 | 102 | 74 | 74 | 46 | 22 | 28 | 60 | 42 | 72 |
| 283 | 113 | 52 | 336 | 102 | 73 | 74 | 45 | 24 | 28 | 55 | 39 | 71 |
| 284 | 114 | 12 | 337 | 102 | 74 | 74 | 45 | 17 | 26 | 60 | 39 | 71 |
| 285 | 114 | 32 | 343 | 102 | 74 | 74 | 45 | 17 | 26 | 60 | 39 | 71 |
| 286 | 114 | 51 | 344 | 103 | 74 | 74 | 46 | 19 | 24 | 60 | 41 | 71 |
| 287 | 115 | 11 | 331 | 102 | 73 | 74 | 45 | 20 | 25 | 52 | 39 | 70 |
| 288 | 115 | 31 | 329 | 102 | 74 | 74 | 45 | 20 | 26 | 57 | 39 | 70 |
| 289 | 115 | 50 | 333 | 102 | 73 | 74 | 43 | 21 | 26 | 60 | 37 | 70 |
| 290 | 116 | 10 | 327 | 101 | 74 | 74 | 45 | 18 | 24 | 54 | 39 | 69 |
| 291 | 116 | 30 | 333 | 102 | 73 | 74 | 45 | 19 | 24 | 66 | 38 | 69 |
| 292 | 116 | 49 | 326 | 100 | 71 | 73 | 40 | 20 | 24 | 51 | 35 | 64 |
| 293 | 117 | 9 | 321 | 61 | 2 | 4 | 7 | 7 | 10 | 15 | 34 | 41 |
| 294 | 117 | 28 | 321 | 37 | 2 | 4 | * | 1 | 12 | 18 | 36 | 41 |
| 295 | 117 | 46 | 151 | 26 | 2 | 4 | * | 1 | 16 | 0 | 33 | 33 |
| 296 | 118 | 7 | 126 | * | 2 | 4 | * | 1 | 19 | 0 | 35 | 33 |
| 297 | 118 | 27 | 127 | * | 2 | 4 | * | 1 | 20 | 0 | 33 | 33 |
| 298 | 118 | 47 | 131 | * | 2 | 4 | * | 1 | 22 | 0 | 34 | 34 |

| -01 SHEEP COUNT | 1-02 TIME MTN. | 1-03 TIME SEC. | 1-14 ENG.2 TURB INLET TEMP (T-51 DEG.C | 1-15 ROTOR RPM | 1-17 L.H. THROTT POS PERCENT- TRAVEL | 1-18 R.H. THROTT POS PERCENT TRAVEL | 1-19 ENG.1 OIL PUMP OUTLET PRESS PSIG | 1-20 ENG.1 SCAV PUMP OUTLET PRESS PSIG | 1-21 ENG.1 FUEL BOOST PUMP OUTLET PSIG | 1-22 ENG.1 NGSE GEAR BOX OIL PRESS PSIG | 1-23 ACCESS GEAR BOX OIL PRESS PSIG | 1-24 MAIN GEAR BOX OIL PRESS PSIG |
|-----------------------|----------------------|----------------------|--|----------------------|---|--|---|--|--|--|---|---|
| 299 | 119 | 6 | 140 | * | 2 | 4 | * | 0 | 24 | 0 | 34 | * |
| 300 | 119 | 26 | 144 | * | 2 | 4 | 0 | 0 | 26 | 0 | 35 | * |
| 301 | 119 | 45 | 151 | * | 2 | 4 | 0 | 0 | 28 | 0 | 30 | * |
| 302 | 120 | 5 | 155 | * | 2 | 4 | * | 0 | 28 | 0 | 34 | * |
| 303 | 120 | 24 | 159 | * | 2 | 4 | 0 | 0 | 28 | 0 | 33 | * |
| 304 | 120 | 44 | 151 | * | 2 | 4 | 0 | 0 | 28 | 0 | 34 | * |
| 305 | 121 | 3 | 151 | * | 2 | 4 | 0 | 0 | 29 | 0 | 34 | * |
| 306 | 121 | 23 | 161 | * | 1 | 4 | 0 | 0 | 29 | 0 | 14 | * |
| 307 | 121 | 42 | 165 | * | 2 | 5 | 0 | 0 | 30 | 0 | * | 0 |
| 308 | 122 | 2 | 166 | * | 2 | 5 | 0 | 0 | 30 | 0 | * | * |
| 310 | 122 | 22 | 166 | * | 2 | 4 | 0 | 0 | 31 | 0 | * | * |
| 311 | 122 | 41 | 167 | * | 2 | 4 | 0 | 0 | 31 | 0 | * | * |
| 312 | 123 | 1 | 166 | * | 2 | 4 | 0 | 0 | 31 | 0 | * | * |

MH-57C S/N 58-10354
 ARCTIC TEST
 21 JANUARY 1971
 RUN NO. 7 -42 DEG C / -43 DEG F

| SWEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-25 | | 1-26 | |
|----------------|----------------------|----------------------|------------------------|---------------|---|------|
| | | | ENG.1 FUELED AIR | PRESS PSIG | ENG.1 FUEL PUMP INLET PRESS | PSIG |
| 1 | 2 | 53 | 1 | | 1 | 0 |
| 2 | 3 | 14 | 1 | | * | |
| 3 | 3 | 35 | 0 | | 0 | |
| 4 | 3 | 55 | 1 | | 0 | |
| 5 | 4 | 16 | 1 | | 0 | |
| 6 | 4 | 36 | 1 | | 0 | |
| 7 | 4 | 56 | 0 | | 0 | |
| 8 | 5 | 17 | 2 | | 0 | |
| 9 | 5 | 38 | 0 | | 0 | |
| 10 | 5 | 58 | 0 | | 0 | |
| 11 | 6 | 18 | 0 | | 0 | |
| 12 | 6 | 39 | 0 | | 0 | |
| 13 | 6 | 59 | 1 | | 0 | |
| 14 | 7 | 20 | 0 | | 0 | |
| 15 | 7 | 40 | 0 | | 0 | |
| 16 | 8 | 0 | 0 | | 0 | |
| 17 | 8 | 21 | 0 | | 0 | |
| 18 | 8 | 41 | 0 | | 0 | |
| 19 | 9 | 1 | 0 | | 0 | |
| 20 | 9 | 22 | 0 | | 0 | |
| 21 | 9 | 42 | 0 | | 3 | |
| 22 | 10 | 2 | 1 | | 5 | |
| 23 | 10 | 22 | 14 | | 12 | |
| 24 | 10 | 43 | 33 | | 17 | |
| 25 | 11 | 3 | 34 | | 18 | |
| 26 | 11 | 23 | 34 | | 18 | |
| 27 | 11 | 43 | 33 | | 18 | |
| 28 | 12 | 3 | 33 | | 18 | |
| 29 | 12 | 24 | 33 | | 18 | |
| 30 | 12 | 44 | 34 | | 18 | |
| 31 | 13 | 4 | 34 | | 18 | |
| 32 | 13 | 24 | 34 | | 17 | |
| 33 | 13 | 44 | 32 | | 18 | |
| 34 | 14 | 5 | 34 | | 23 | |
| 35 | 14 | 25 | 34 | | 24 | |
| 36 | 14 | 45 | 34 | | 25 | |
| 37 | 15 | 5 | 34 | | 26 | |
| 38 | 15 | 26 | 36 | | 25 | |
| 39 | 15 | 46 | 37 | | 25 | |
| 40 | 16 | 6 | 37 | | 25 | |
| 41 | 16 | 26 | 37 | | 25 | |
| 42 | 16 | 46 | 36 | | 25 | |
| 43 | 17 | 6 | 36 | | 25 | |
| 44 | 17 | 26 | 36 | | 30 | |
| 45 | 17 | 47 | 36 | | 25 | |

| -01 SHEEP COUNT | 1-02 TIME MIN. | 1-03 TIME SEC. | 1-25 ENG.#1 BLEED AIR PRESS PSIG | 1-26 ENG.#1 FUEL PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|---|--|
| 46 | 18 | 7 | 92 | 26 |
| 47 | 18 | 27 | 87 | 25 |
| 48 | 18 | 47 | 89 | 26 |
| 49 | 19 | 47 | 91 | 26 |
| 50 | 19 | 27 | 89 | 24 |
| 51 | 19 | 47 | 90 | 25 |
| 52 | 20 | 7 | 88 | 25 |
| 53 | 20 | 27 | 86 | 25 |
| 54 | 20 | 47 | 87 | 25 |
| 55 | 21 | 7 | 89 | 25 |
| 56 | 21 | 28 | 92 | 25 |
| 57 | 21 | 48 | 92 | 25 |
| 58 | 22 | 8 | 101 | 28 |
| 59 | 22 | 28 | 153 | 16 |
| 60 | 22 | 48 | 136 | 23 |
| 61 | 23 | 8 | 134 | 30 |
| 62 | 23 | 28 | 127 | 23 |
| 63 | 23 | 48 | 126 | 17 |
| 64 | 24 | 8 | 119 | 30 |
| 65 | 25 | 18 | 122 | 30 |
| 66 | 25 | 38 | 123 | 25 |
| 67 | 25 | 58 | 122 | 24 |
| 68 | 27 | 56 | 126 | 25 |
| 69 | 30 | 33 | 122 | 30 |
| 70 | 30 | 54 | 122 | 25 |
| 71 | 31 | 14 | 123 | 30 |
| 72 | 31 | 34 | 122 | 30 |
| 73 | 32 | 33 | 128 | 30 |
| 74 | 32 | 53 | 127 | 25 |
| 75 | 33 | 14 | 123 | 30 |
| 76 | 33 | 34 | 123 | 23 |
| 77 | 33 | 54 | 122 | 25 |
| 78 | 34 | 14 | 127 | 28 |
| 79 | 34 | 35 | 124 | 28 |
| 80 | 34 | 55 | 121 | 17 |
| 81 | 35 | 15 | 122 | 23 |
| 82 | 35 | 35 | 118 | 30 |
| 83 | 35 | 55 | 119 | 25 |
| 84 | 36 | 15 | 117 | 23 |
| 85 | 36 | 36 | 119 | 23 |
| 86 | 36 | 56 | 114 | 31 |
| 87 | 37 | 16 | 112 | 23 |
| 88 | 37 | 36 | 113 | 24 |
| 89 | 37 | 56 | 111 | 23 |
| 90 | 38 | 16 | 111 | 18 |
| 91 | 38 | 36 | 111 | 21 |
| 92 | 38 | 56 | 110 | 17 |
| 93 | 39 | 16 | 108 | 30 |
| 94 | 39 | 37 | 107 | 25 |
| 95 | 39 | 57 | 112 | 21 |

| 1-26 ENGINE FUEL PUMP INLET PRESS PSIG | 1-25 ENGINE FUEL PUMP AIR PRESS PSIG | 1-24 TIME SEC. | 1-23 TIME MIN. | 1-22 COUNT |
|--|--|----------------------|----------------------|---------------|
| 29 | 111 | 17 | 40 | 96 |
| 28 | 113 | 37 | 40 | 97 |
| 25 | 108 | 17 | 41 | 99 |
| 18 | 108 | 37 | 41 | 100 |
| 25 | 107 | 57 | 41 | 101 |
| 30 | 107 | 17 | 42 | 102 |
| 26 | 105 | 37 | 42 | 103 |
| 26 | 107 | 57 | 42 | 104 |
| 26 | 107 | 17 | 43 | 105 |
| 17 | 105 | 37 | 43 | 106 |
| 17 | 104 | 57 | 43 | 107 |
| 21 | 104 | 17 | 44 | 108 |
| 15 | 103 | 37 | 44 | 109 |
| 17 | 102 | 57 | 44 | 110 |
| 13 | 101 | 17 | 45 | 111 |
| 2A | 99 | 37 | 45 | 112 |
| 30 | 101 | 57 | 45 | 113 |
| 30 | 101 | 17 | 46 | 114 |
| 28 | 110 | 37 | 46 | 115 |
| 20 | 111 | 57 | 46 | 116 |
| 30 | 106 | 17 | 47 | 117 |
| 16 | 110 | 37 | 47 | 118 |
| 28 | 116 | 57 | 47 | 119 |
| 29 | 119 | 17 | 48 | 120 |
| 30 | 114 | 37 | 48 | 121 |
| 21 | 116 | 57 | 48 | 122 |
| 23 | 116 | 17 | 49 | 123 |
| 23 | 83 | 37 | 49 | 124 |
| 25 | 90 | 57 | 49 | 125 |
| 28 | 101 | 17 | 50 | 126 |
| 25 | 100 | 37 | 50 | 127 |
| 25 | 107 | 57 | 50 | 128 |
| 17 | 113 | 17 | 51 | 129 |
| 17 | 114 | 37 | 51 | 130 |
| 25 | 116 | 57 | 51 | 131 |
| 25 | 117 | 17 | 52 | 132 |
| 20 | 119 | 37 | 52 | 133 |
| 20 | 120 | 57 | 52 | 134 |
| 26 | 124 | 17 | 53 | 135 |
| 29 | 123 | 37 | 53 | 136 |
| 29 | 125 | 57 | 53 | 137 |
| 29 | 113 | 17 | 54 | 138 |
| 30 | 126 | 37 | 54 | 139 |
| 30 | 123 | 57 | 54 | 140 |
| 30 | 111 | 17 | 55 | 141 |
| 30 | 105 | 37 | 55 | 142 |
| 25 | 100 | 57 | 55 | 143 |
| 24 | 93 | 17 | 56 | 144 |
| 23 | 90 | 37 | 56 | 145 |
| 23 | 92 | 57 | 56 | 146 |
| 23 | 93 | | | |

| -01 SHEEP COUNT | 1-02 | | 1-03 | | 1-25 | | 1-26 | |
|-----------------------|--------------|------|------|------|------------------------|---------------|--|------|
| | TIME MIN. | SEC. | TIME | SEC. | ENG.#1 ALFED AIR | PRESS PSIG | ENG.#1 FUEL PUMP INLET PRESS | PSIG |
| 147 | 56 | | 55 | | 56 | | 23 | |
| 148 | 67 | | 15 | | 49 | | 20 | |
| 149 | 67 | | 34 | | 52 | | 21 | |
| 150 | 67 | | 50 | | 54 | | 22 | |
| 151 | 68 | | 11 | | 59 | | 23 | |
| 152 | 68 | | 33 | | 91 | | 23 | |
| 153 | 68 | | 53 | | 101 | | 23 | |
| 154 | 69 | | 12 | | 104 | | 25 | |
| 155 | 69 | | 32 | | 101 | | 25 | |
| 156 | 69 | | 52 | | 105 | | 24 | |
| 157 | 70 | | 12 | | 131 | | 21 | |
| 158 | 70 | | 32 | | 116 | | 24 | |
| 159 | 70 | | 52 | | 108 | | 25 | |
| 160 | 71 | | 12 | | 110 | | 24 | |
| 161 | 71 | | 31 | | 108 | | 23 | |
| 162 | 71 | | 51 | | 110 | | 25 | |
| 163 | 72 | | 11 | | 111 | | 25 | |
| 164 | 72 | | 31 | | 135 | | 21 | |
| 165 | 72 | | 51 | | 136 | | 30 | |
| 166 | 73 | | 11 | | 133 | | 25 | |
| 167 | 73 | | 31 | | 129 | | 25 | |
| 168 | 73 | | 51 | | 131 | | 23 | |
| 169 | 74 | | 11 | | 133 | | 26 | |
| 170 | 74 | | 31 | | 131 | | 25 | |
| 171 | 74 | | 51 | | 125 | | 24 | |
| 172 | 75 | | 11 | | 128 | | 30 | |
| 173 | 75 | | 31 | | 126 | | 31 | |
| 174 | 75 | | 51 | | 123 | | 30 | |
| 175 | 78 | | 12 | | 99 | | 25 | |
| 176 | 78 | | 31 | | 113 | | 25 | |
| 177 | 78 | | 51 | | 140 | | 30 | |
| 178 | 79 | | 11 | | 141 | | 30 | |
| 179 | 79 | | 31 | | 142 | | 29 | |
| 180 | 79 | | 51 | | 141 | | 16 | |
| 181 | 80 | | 11 | | 142 | | 31 | |
| 182 | 80 | | 31 | | 141 | | 17 | |
| 183 | 80 | | 51 | | 130 | | 25 | |
| 184 | 81 | | 11 | | 125 | | 25 | |
| 185 | 81 | | 31 | | 89 | | 25 | |
| 186 | 81 | | 51 | | 89 | | 24 | |
| 187 | 82 | | 10 | | 87 | | 24 | |
| 188 | 82 | | 30 | | 99 | | 24 | |
| 189 | 82 | | 50 | | 87 | | 25 | |
| 190 | 83 | | 10 | | 88 | | 23 | |
| 191 | 83 | | 30 | | 89 | | 25 | |
| 192 | 83 | | 50 | | 87 | | 23 | |
| 193 | 84 | | 10 | | 90 | | 24 | |
| 194 | 84 | | 30 | | 87 | | 25 | |
| 195 | 84 | | 49 | | 88 | | 25 | |
| 196 | 85 | | 9 | | 89 | | 24 | |

| COUNT | 1-02 | | 1-03 | | 1-25 | | 1-26 | |
|-------|------|------|------|------|-------|-------|-------|-------|
| | TIME | MIT. | TIME | SFC. | ENG.1 | BUFFD | ENG.1 | FUEL |
| | | | | | ALP | ALP | PUMP | INLET |
| | | | | | PSIG | PSIG | PRESS | PRESS |
| | | | | | | | PSIG | PSIG |
| 197 | 85 | | 29 | | 47 | | 25 | 25 |
| 198 | 85 | | 49 | | 129 | | 25 | 25 |
| 199 | 86 | | 9 | | 165 | | 21 | 21 |
| 200 | 86 | | 29 | | 180 | | 17 | 17 |
| 201 | 86 | | 49 | | 181 | | 25 | 25 |
| 202 | 87 | | 4 | | 90 | | 28 | 28 |
| 203 | 87 | | 28 | | 122 | | 20 | 20 |
| 204 | 87 | | 48 | | 142 | | 30 | 30 |
| 205 | 88 | | 8 | | 183 | | 29 | 29 |
| 206 | 88 | | 28 | | 141 | | 28 | 28 |
| 207 | 88 | | 48 | | 141 | | 28 | 28 |
| 208 | 89 | | 8 | | 139 | | 28 | 28 |
| 209 | 89 | | 28 | | 140 | | 18 | 18 |
| 210 | 89 | | 47 | | 139 | | 28 | 28 |
| 211 | 90 | | 7 | | 143 | | 25 | 25 |
| 212 | 90 | | 27 | | 139 | | 21 | 21 |
| 213 | 90 | | 47 | | 139 | | 31 | 31 |
| 214 | 91 | | 7 | | 140 | | 30 | 30 |
| 215 | 91 | | 27 | | 139 | | 30 | 30 |
| 216 | 91 | | 47 | | 138 | | 21 | 21 |
| 217 | 91 | | 7 | | 138 | | 21 | 21 |
| 218 | 92 | | 27 | | 138 | | 29 | 29 |
| 219 | 92 | | 46 | | 139 | | 30 | 30 |
| 220 | 93 | | 6 | | 138 | | 18 | 18 |
| 221 | 93 | | 26 | | 133 | | 18 | 18 |
| 222 | 93 | | 46 | | 47 | | 25 | 25 |
| 223 | 94 | | 6 | | 90 | | 24 | 24 |
| 224 | 94 | | 26 | | 86 | | 25 | 25 |
| 225 | 94 | | 45 | | 89 | | 25 | 25 |
| 226 | 95 | | 5 | | 89 | | 25 | 25 |
| 227 | 95 | | 25 | | 16 | | 25 | 25 |
| 228 | 95 | | 45 | | 86 | | 25 | 25 |
| 229 | 96 | | 4 | | 89 | | 24 | 24 |
| 230 | 96 | | 24 | | 87 | | 23 | 23 |
| 231 | 96 | | 44 | | 88 | | 25 | 25 |
| 232 | 97 | | 4 | | 89 | | 24 | 24 |
| 233 | 97 | | 23 | | 128 | | 25 | 25 |
| 234 | 97 | | 43 | | 125 | | 25 | 25 |
| 235 | 98 | | 3 | | 127 | | 25 | 25 |
| 236 | 98 | | 23 | | 129 | | 30 | 30 |
| 237 | 98 | | 43 | | 131 | | 29 | 29 |
| 238 | 99 | | 3 | | 135 | | 17 | 17 |
| 239 | 99 | | 22 | | 137 | | 16 | 16 |
| 240 | 99 | | 42 | | 139 | | 25 | 25 |
| 241 | 100 | | 2 | | 143 | | 17 | 17 |
| 242 | 100 | | 22 | | 140 | | 18 | 18 |
| 243 | 100 | | 42 | | 140 | | 30 | 30 |
| 244 | 101 | | 1 | | 141 | | 25 | 25 |
| 245 | 101 | | 21 | | 135 | | 25 | 25 |
| 246 | 101 | | 41 | | 137 | | 18 | 18 |

| -01 SWEPP COUNT | 1-02 TIME | | 1-03 TIME | | 1-25 ENG.1 BLEED AIR | | 1-26 ENG.1 FUEL PUMP INLET PRESS PSIG | |
|-----------------------|--------------|------|--------------|------|-------------------------------|------|---|------|
| | MIN. | SEC. | MIN. | SEC. | MIN. | SEC. | MIN. | SEC. |
| 247 | 102 | | 1 | | 139 | | 30 | |
| 248 | 102 | | 21 | | 138 | | 21 | |
| 249 | 102 | | 41 | | 137 | | 18 | |
| 250 | 103 | | 0 | | 135 | | 30 | |
| 251 | 103 | | 20 | | 135 | | 30 | |
| 252 | 103 | | 40 | | 141 | | 20 | |
| 253 | 104 | | 0 | | 140 | | 30 | |
| 254 | 104 | | 19 | | 140 | | 31 | |
| 255 | 104 | | 39 | | 140 | | 21 | |
| 256 | 104 | | 59 | | 143 | | 2A | |
| 257 | 105 | | 19 | | 141 | | 34 | |
| 258 | 105 | | 39 | | 139 | | 34 | |
| 259 | 105 | | 58 | | 137 | | 30 | |
| 260 | 106 | | 18 | | 141 | | 26 | |
| 261 | 106 | | 38 | | 140 | | 28 | |
| 262 | 106 | | 58 | | 138 | | 16 | |
| 263 | 107 | | 18 | | 141 | | 40 | |
| 264 | 107 | | 37 | | 140 | | 28 | |
| 265 | 107 | | 57 | | 136 | | 1A | |
| 266 | 108 | | 17 | | 126 | | 23 | |
| 269 | 109 | | 16 | | 121 | | 24 | |
| 270 | 109 | | 36 | | 122 | | 28 | |
| 271 | 109 | | 56 | | 111 | | 25 | |
| 272 | 110 | | 15 | | 110 | | 2A | |
| 273 | 110 | | 35 | | 84 | | 25 | |
| 274 | 110 | | 55 | | 114 | | 30 | |
| 275 | 111 | | 14 | | 128 | | 21 | |
| 276 | 111 | | 34 | | 122 | | 26 | |
| 277 | 111 | | 54 | | 90 | | 24 | |
| 278 | 112 | | 13 | | 90 | | 25 | |
| 279 | 112 | | 33 | | 90 | | 25 | |
| 280 | 112 | | 53 | | 89 | | 25 | |
| 281 | 113 | | 13 | | 85 | | 25 | |
| 282 | 113 | | 32 | | 92 | | 24 | |
| 283 | 113 | | 52 | | 91 | | 25 | |
| 284 | 114 | | 12 | | 85 | | 26 | |
| 285 | 114 | | 32 | | 87 | | 25 | |
| 286 | 114 | | 51 | | 89 | | 23 | |
| 287 | 115 | | 11 | | 89 | | 24 | |
| 288 | 115 | | 31 | | 90 | | 25 | |
| 289 | 115 | | 50 | | 87 | | 25 | |
| 290 | 116 | | 10 | | 87 | | 2A | |
| 291 | 116 | | 30 | | 87 | | 25 | |
| 292 | 116 | | 49 | | 78 | | 23 | |
| 293 | 117 | | 9 | | 1 | | 9 | |
| 294 | 117 | | 28 | | 1 | | 10 | |
| 295 | 117 | | 48 | | 0 | | 15 | |
| 296 | 118 | | 7 | | 0 | | 18 | |
| 297 | 118 | | 27 | | 0 | | 19 | |
| 298 | 118 | | 47 | | * | | 20 | |

| DATE | TIME | 1-25 | 1-26 | 1-27 |
|------|------|--------|------|--------|
| 300 | 119 | ENG. I | TIME | ENG. I |
| 301 | 119 | FUELED | SEC. | FUEL |
| 302 | 120 | ATR | | PUMP |
| 303 | 120 | PRFSS | | INLET |
| 304 | 120 | P-31G | | PRFSS |
| 305 | 121 | | | P-31G |
| 306 | 121 | | | |
| 307 | 121 | | | |
| 308 | 122 | | | |
| 310 | 122 | | | |
| 311 | 123 | | | |
| 312 | 123 | | | |

HH-51C SAN 64-10354
 ARCTIC TEST
 21 JANUARY 1971
 RUN NO. 7

-42 DEG C / -43 DEG F

| -01 SWEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-05 | | 2-06 | | 2-07 | | 2-08 | | 2-09 | | 2-10 | | 2-11 | | 2-12 | | 2-13 | | 2-14 | |
|-----------------------|----------------------|----------------------|--------|------|--------|------|--------|------|------|-------|------|-------|------|-------|------|-------|--------|------|--------|------|-------|------|
| | | | 1STAGE | PSIG | 1STAGE | PSIG | 1STAGE | PSIG | HYD. | INLET | HYD. | INLET | HYD. | INLET | HYD. | INLET | 2STAGE | PSIG | 2STAGE | PSIG | UTIL. | PSIG |
| 1 | 2 | 56 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 3 | 16 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 3 | 37 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 3 | 57 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 4 | 18 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 4 | 38 | 1 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 4 | 59 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 5 | 19 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 5 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 6 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 6 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 7 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 7 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 8 | 23 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 8 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 9 | 4 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 9 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 9 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 10 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 10 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 11 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 11 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 11 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 12 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 12 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 12 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | 13 | 27 | 31 | 2464 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | 13 | 47 | 21 | 2971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | 14 | 7 | 31 | 3041 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 14 | 27 | 33 | 3086 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 | 14 | 47 | 35 | 3141 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | 15 | 14 | 35 | 3141 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | 15 | 28 | 34 | 3086 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 | 15 | 48 | 32 | 3121 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | 16 | 18 | 33 | 3131 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | 16 | 20 | 34 | 3121 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | 16 | 49 | 31 | 3086 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | 17 | 9 | 32 | 3081 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | 17 | 29 | 29 | 3086 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | 17 | 49 | 32 | 3101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| SAC COUNT | 2-07 TIME | 2-07 TIME | 2-05 1STAGE HYD. PUMP INLET PRESS PSIG | 2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG | 2-07 1STAGE HYD. CAFT SERVO CYL.) PSIG | 2-08 2STAGE HYD. PUMP INLET PRESS PSIG | 2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2-10 2STAGE HYD. CAFT SERVO CYL.) PSIG | 2-11 2STAGE AFCS 1 /PTCH /ROLL CHAN) PSIG | 2-12 2STAGE AFCS 1 (COLL. /VAN CHAN) PSIG | 2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PSIG | 2-14 UTIL. HYD. PUMP INLET PRESS PSIG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|--------------|--------------|--|---|--|--|---|--|---|---|--|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | | | | | | | | | | | | | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 |
| 46 | 18 | 9 | 33 | 3096 | 3087 | 32 | 3060 | 3096 | 3071 | 3063 | 64 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 18 | 9 | 32 | 3131 | 3072 | 40 | 3050 | 3131 | 3071 | 3082 | 64 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 | 19 | 26 | 31 | 3066 | 3077 | 26 | 3081 | 3066 | 3081 | 3082 | 62 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 49 | 19 | 26 | 31 | 3141 | 3092 | 44 | 3045 | 3141 | 3077 | 3086 | 60 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 19 | 29 | 34 | 3151 | 3117 | 30 | 3060 | 3151 | 3086 | 3086 | 56 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | 19 | 50 | 30 | 3081 | 3067 | 32 | 3010 | 3081 | 3121 | 3075 | 46 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52 | 20 | 10 | 34 | 3126 | 3077 | 34 | 3095 | 3126 | 3066 | 3073 | 46 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 53 | 20 | 20 | 33 | 3222 | 3072 | 33 | 3080 | 3222 | 3066 | 3082 | 60 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | 20 | 50 | 32 | 3141 | 3112 | 32 | 3060 | 3141 | 3051 | 3071 | 48 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55 | 21 | 10 | 30 | 3041 | 3032 | 26 | 3080 | 3041 | 3131 | 3085 | 50 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | 21 | 30 | 30 | 3081 | 3057 | 30 | 3030 | 3081 | 3051 | 3063 | 50 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57 | 21 | 50 | 33 | 3126 | 3127 | 25 | 3065 | 3126 | 3051 | 3075 | 60 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58 | 22 | 10 | 32 | 3116 | 3112 | 30 | 3065 | 3116 | 3071 | 3084 | 56 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 59 | 22 | 30 | 29 | 3141 | 3072 | 22 | 3060 | 3141 | 3011 | 3092 | 60 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 22 | 50 | 33 | 3086 | 3072 | 26 | 2905 | 3086 | 3121 | 3069 | 64 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | 23 | 11 | 32 | 3116 | 3042 | 32 | 3120 | 3116 | 3071 | 3082 | 56 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | 23 | 31 | 31 | 3141 | 3077 | 32 | 3100 | 3141 | 2907 | 3086 | 56 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | 23 | 51 | 28 | 3116 | 3092 | 30 | 3060 | 3116 | 3091 | 3082 | 62 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | 24 | 11 | 30 | 3086 | 3077 | 32 | 3100 | 3086 | 3066 | 3083 | 66 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | 25 | 20 | 30 | 3086 | 3107 | 24 | 3020 | 3086 | 3096 | 3089 | 64 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | 25 | 40 | 32 | 3086 | 3112 | 32 | 3065 | 3086 | 3051 | 3092 | 60 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | 26 | 0 | 28 | 3081 | 3057 | 40 | 3200 | 3081 | 3091 | 3088 | 64 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | 27 | 50 | 27 | 3136 | 3077 | 25 | 3045 | 3136 | 3066 | 3090 | 60 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | 30 | 36 | 25 | 3041 | 3052 | 40 | 3045 | 3041 | 3041 | 3071 | 60 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 30 | 56 | 32 | 3116 | 3022 | 32 | 3030 | 3116 | 3031 | 3061 | 44 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | 31 | 16 | 27 | 3081 | 3027 | 24 | 3065 | 3081 | 3051 | 3055 | 44 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | 31 | 37 | 31 | 3086 | 3062 | 32 | 3200 | 3086 | 3066 | 3063 | 48 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | 32 | 36 | 29 | 3041 | 3052 | 29 | 3200 | 3041 | 3071 | 3088 | 50 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | 32 | 56 | 38 | 3066 | 3022 | 20 | 2995 | 3066 | 3051 | 3091 | 46 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 33 | 16 | 32 | 3141 | 3072 | 27 | 3120 | 3141 | 3031 | 3077 | 46 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | 33 | 33 | 32 | 3141 | 3077 | 26 | 3120 | 3141 | 3036 | 3071 | 46 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | 33 | 57 | 32 | 3141 | 3067 | 32 | 3020 | 3141 | 3051 | 3065 | 60 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | 34 | 17 | 25 | 3131 | 3042 | 27 | 3130 | 3131 | 3016 | 3084 | 50 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | 34 | 37 | 28 | 3086 | 3072 | 27 | 2955 | 3086 | 3046 | 3078 | 58 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 34 | 57 | 25 | 3086 | 3072 | 40 | 3045 | 3086 | 3011 | 3098 | 58 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | 35 | 17 | 32 | 3222 | 3092 | 27 | 3070 | 3222 | 3036 | 3082 | 64 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | 35 | 36 | 26 | 3066 | 3092 | 21 | 2965 | 3066 | 3076 | 3063 | 64 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | 35 | 58 | 25 | 3101 | 3072 | 40 | 3040 | 3101 | 3061 | 3069 | 56 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | 36 | 18 | 32 | 3121 | 3112 | 32 | 3030 | 3121 | 3041 | 3073 | 62 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | 36 | 38 | 32 | 3141 | 3082 | 27 | 3110 | 3141 | 3056 | 3073 | 60 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | 36 | 58 | 32 | 3126 | 3092 | 40 | 3045 | 3126 | 3046 | 3079 | 58 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | 37 | 18 | 32 | 3101 | 3062 | 32 | 3035 | 3101 | 3081 | 3065 | 60 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | 37 | 34 | 28 | 3041 | 3057 | 30 | 3230 | 3041 | 3071 | 3088 | 52 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | 37 | 58 | 23 | 3086 | 3082 | 32 | 3065 | 3086 | 3031 | 3071 | 56 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 38 | 19 | 27 | 3046 | 3057 | 40 | 3045 | 3046 | 3026 | 3071 | 56 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | 38 | 39 | 25 | 3081 | 3042 | 32 | 3060 | 3081 | 3066 | 3092 | 56 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | 38 | 59 | 34 | 3141 | 3037 | 21 | 3045 | 3141 | 3031 | 3051 | 50 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | 39 | 19 | 26 | 3086 | 3057 | 40 | 3040 | 3086 | 3056 | 3088 | 62 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | 39 | 39 | 34 | 3081 | 3022 | 21 | 2995 | 3081 | 3036 | 3077 | 56 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | 39 | 59 | 29 | 3222 | 3072 | 24 | 3120 | 3222 | 3091 | 3071 | 58 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| -01 SWEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-05 1STAGE HYD. PUMP INLET PRESS PSIG | 2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG | 2-07 1STAGE HYD. SERVO (LAFT CYL.) PRESS PSIG | 2-08 2STAGE HYD. PUMP INLET PRESS PSIG | 2-09 2STAGE HYD. SERVO (LAFT CYL.) PRESS PSIG | 2-10 2STAGE HYD. SERVO (LAFT CYL.) PRESS PSIG | 2-11 2STAGE AFCS 1 {PITCH /ROLL CHAN} PRESS PSIG | 2-12 2STAGE AFCS 1 {COLL. /YAW CHAN} PRESS PSIG | 2-13 UTIL. HYD. PUMP INLET PRESS PSIG | 2-14 UTIL. HYD. PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---|--|--|--|--|---|--|---|---|
| 96 | 40 | 19 | 32 | 3086 | 3077 | 21 | 3005 | 3056 | 1071 | 1076 | 50 | 32 |
| 97 | 40 | 19 | 44 | 3121 | 3057 | 32 | 3060 | 3036 | 1065 | 1082 | 56 | 30 |
| 98 | 40 | 19 | 32 | 3096 | 3067 | 24 | 3120 | 2967 | 1077 | 1088 | 58 | 29 |
| 99 | 41 | 39 | 25 | 3106 | 3062 | 25 | 3110 | 3051 | 1077 | 1082 | 52 | 32 |
| 100 | 41 | 39 | 48 | 3096 | 3067 | 32 | 3020 | 3071 | 1067 | 1084 | 60 | 30 |
| 101 | 42 | 0 | 41 | 3222 | 3052 | 23 | 3010 | 3180 | 1071 | 1073 | 46 | 30 |
| 102 | 42 | 20 | 32 | 3141 | 3072 | 25 | 3120 | 3056 | 1061 | 1088 | 54 | 29 |
| 103 | 42 | 40 | 32 | 3081 | 3057 | 27 | 3010 | 3081 | 1061 | 1088 | 68 | 29 |
| 104 | 43 | 0 | 34 | 3086 | 3087 | 17 | 3005 | 3036 | 1063 | 1086 | 62 | 29 |
| 105 | 43 | 20 | 20 | 3141 | 3072 | 20 | 3065 | 3091 | 1063 | 1084 | 60 | 32 |
| 106 | 43 | 40 | 41 | 3081 | 3077 | 21 | 3005 | 3051 | 1067 | 1076 | 60 | 26 |
| 107 | 44 | 0 | 19 | 3141 | 3077 | 32 | 3065 | 3081 | 1077 | 1088 | 60 | 30 |
| 108 | 44 | 20 | 49 | 3106 | 3057 | 26 | 3120 | 3046 | 1065 | 1084 | 60 | 29 |
| 109 | 44 | 40 | 21 | 3121 | 3077 | 26 | 3120 | 3046 | 1065 | 1084 | 60 | 29 |
| 110 | 45 | 0 | 21 | 3141 | 3077 | 26 | 3120 | 3046 | 1071 | 1071 | 84 | 31 |
| 111 | 45 | 20 | 21 | 3141 | 3067 | 32 | 3120 | 3056 | 1077 | 1080 | 46 | 31 |
| 112 | 45 | 40 | 29 | 3086 | 3082 | 25 | 3045 | 3046 | 1061 | 1088 | 62 | 29 |
| 113 | 46 | 0 | 23 | 3096 | 3057 | 22 | 3065 | 3071 | 1077 | 1078 | 64 | 32 |
| 114 | 46 | 20 | 29 | 3081 | 3082 | 25 | 3085 | 3051 | 1077 | 1082 | 54 | 32 |
| 115 | 46 | 40 | 16 | 3066 | 3077 | 29 | 3045 | 3091 | 1071 | 1078 | 64 | 26 |
| 116 | 49 | 26 | 32 | 3141 | 3067 | 30 | 3080 | 2986 | 1067 | 1069 | 66 | 26 |
| 117 | 49 | 46 | 44 | 3086 | 3067 | 25 | 3045 | 3031 | 1081 | 1078 | 60 | 30 |
| 118 | 51 | 45 | 45 | 3086 | 3082 | 25 | 3200 | 3036 | 1073 | 1078 | 52 | 29 |
| 119 | 52 | 5 | 29 | 3081 | 3087 | 28 | 3060 | 2986 | 1061 | 1088 | 50 | 25 |
| 120 | 52 | 25 | 40 | 3081 | 3062 | 24 | 3120 | 3081 | 1071 | 1069 | 50 | 23 |
| 121 | 54 | 24 | 32 | 3141 | 3117 | 27 | 3065 | 3066 | 1075 | 1098 | 68 | 26 |
| 122 | 54 | 46 | 40 | 3116 | 3117 | 26 | 3120 | 3086 | 1081 | 1098 | 60 | 26 |
| 123 | 55 | 5 | 21 | 3141 | 3077 | 29 | 3045 | 3086 | 1081 | 1080 | 64 | 27 |
| 124 | 55 | 23 | 27 | 3066 | 3057 | 25 | 3120 | 3046 | 1061 | 1076 | 48 | 27 |
| 125 | 56 | 43 | 49 | 3081 | 3057 | 32 | 3085 | 3051 | 1059 | 1065 | 56 | 30 |
| 126 | 57 | 3 | 21 | 3141 | 3091 | 24 | 3205 | 3086 | 1063 | 1065 | 44 | 26 |
| 127 | 57 | 23 | 46 | 3081 | 3057 | 32 | 3066 | 3086 | 1067 | 1088 | 44 | 27 |
| 128 | 57 | 43 | 41 | 3081 | 3067 | 25 | 3045 | 3056 | 1071 | 1078 | 60 | 30 |
| 129 | 58 | 3 | 40 | 3071 | 3037 | 25 | 3065 | 3061 | 1083 | 1084 | 60 | 30 |
| 130 | 58 | 23 | 16 | 3066 | 3102 | 23 | 2965 | 3086 | 1081 | 1084 | 58 | 29 |
| 131 | 58 | 43 | 21 | 3081 | 3037 | 22 | 3030 | 3091 | 1069 | 1080 | 48 | 26 |
| 132 | 59 | 3 | 24 | 3116 | 3082 | 29 | 3095 | 3061 | 1055 | 1073 | 54 | 27 |
| 133 | 59 | 23 | 29 | 3141 | 3052 | 29 | 3200 | 3036 | 1071 | 1086 | 60 | 30 |
| 134 | 59 | 43 | 48 | 3081 | 3042 | 26 | 2965 | 2987 | 1073 | 1088 | 60 | 29 |
| 135 | 60 | 2 | 29 | 3086 | 3092 | 30 | 2965 | 3046 | 1081 | 1088 | 50 | 26 |
| 136 | 60 | 42 | 13 | 3141 | 3062 | 30 | 3045 | 3111 | 1073 | 1082 | 64 | 26 |
| 137 | 60 | 42 | 32 | 3121 | 3077 | 25 | 3065 | 3066 | 1077 | 1095 | 64 | 31 |
| 138 | 61 | 3 | 21 | 3076 | 3077 | 25 | 3065 | 3091 | 1079 | 1082 | 62 | 28 |
| 139 | 61 | 22 | 49 | 3126 | 3097 | 27 | 3030 | 3106 | 1085 | 1088 | 64 | 28 |
| 140 | 62 | 21 | 25 | 3131 | 3117 | 25 | 3045 | 3101 | 1085 | 1088 | 68 | 27 |
| 141 | 62 | 41 | 13 | 3116 | 3132 | 29 | 3105 | 3086 | 1085 | 1096 | 60 | 30 |
| 142 | 63 | 0 | 24 | 3116 | 3067 | 30 | 3055 | 3086 | 1071 | 1080 | 52 | 32 |
| 143 | 63 | 0 | 49 | 3121 | 3067 | 31 | 3060 | 3056 | 1085 | 1078 | 62 | 32 |
| 144 | 65 | 20 | 41 | 3081 | 3042 | 25 | 3085 | 3071 | 1041 | 1084 | 62 | 26 |
| 145 | 65 | 40 | 21 | 3091 | 3062 | 23 | 3120 | 2981 | 1079 | 1078 | 58 | 32 |
| 146 | 66 | 0 | 27 | 3086 | 1092 | 27 | 3120 | 2991 | 1061 | 1090 | 62 | 31 |

| SWRCH COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-05 1STAGE HYD. PUMP INLET PRESS PSIG | 2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG | 2-07 1STAGE HYD. SERVO CYL.) PRESS PSIG | 2-08 2STAGE HYD. PUMP INLET PRESS PSIG | 2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2-10 2STAGE HYD. 1AFT SERVO CYL.) PRESS PSIG | 2-11 2STAGE AFCS 1 (PITCH ROLL CHAM) PRESS PSIG | 2-12 2STAGE AFCS 1 (COLL. YAW CHAM) PRESS PSIG | 2-13 UTIL. HYD. AFCS 2 (CHAM) PRESS PSIG | 2-14 UTIL. HYD. INLET PRESS PSIG |
|----------------|----------------------|----------------------|--|---|---|--|---|---|--|---|--|---|
| 147 | 56 | 57 | 21 | 3157 | 3092 | 27 | 3120 | 3091 | 1099 | 1094 | 60 | 30 |
| 148 | 67 | 17 | 49 | 3121 | 3077 | 26 | 3065 | 3071 | 1081 | 1090 | 62 | 30 |
| 149 | 57 | 36 | 23 | 3141 | 3097 | 27 | 3065 | 3071 | 1077 | 1088 | 64 | 32 |
| 150 | 57 | 56 | 49 | 3141 | 3112 | 29 | 3065 | 3081 | 1089 | 1088 | 64 | 31 |
| 151 | 68 | 15 | 16 | 3116 | 3116 | 27 | 3005 | 3076 | 1081 | 1096 | 64 | 33 |
| 152 | 68 | 35 | 21 | 3066 | 3092 | 26 | 3060 | 3081 | 1077 | 1084 | 64 | 30 |
| 153 | 68 | 55 | 49 | 3121 | 3062 | 32 | 3120 | 3071 | 1083 | 1088 | 62 | 32 |
| 154 | 69 | 15 | 26 | 3081 | 3072 | 22 | 3005 | 3026 | 1087 | 1094 | 60 | 31 |
| 155 | 69 | 35 | 34 | 3081 | 3022 | 25 | 3205 | 3001 | 1081 | 1088 | 56 | 30 |
| 155 | 63 | 55 | 24 | 3222 | 3072 | 32 | 3045 | 3016 | 1077 | 1096 | 56 | 27 |
| 157 | 70 | 14 | 32 | 3041 | 2451 | 22 | 3320 | 2996 | 1061 | 1084 | 48 | 30 |
| 158 | 70 | 34 | 21 | 3141 | 3077 | 41 | 3023 | 3061 | 1081 | 1094 | 52 | 33 |
| 159 | 70 | 54 | 40 | 3101 | 3082 | 27 | 3123 | 3081 | 1101 | 1108 | 60 | 29 |
| 160 | 71 | 14 | 40 | 3081 | 3077 | 40 | 3120 | 3036 | 1073 | 1090 | 56 | 32 |
| 161 | 71 | 34 | 21 | 3091 | 3042 | 33 | 3165 | 3096 | 1057 | 1092 | 48 | 32 |
| 162 | 71 | 54 | 24 | 3222 | 3062 | 25 | 3060 | 3051 | 1045 | 1088 | 60 | 32 |
| 163 | 72 | 14 | 21 | 3081 | 3057 | 32 | 2995 | 3066 | 1081 | 1088 | 50 | 32 |
| 164 | 72 | 34 | 36 | 3051 | 3072 | 21 | 3130 | 2981 | 1077 | 1082 | 48 | 34 |
| 165 | 72 | 53 | 29 | 3086 | 3027 | 40 | 3030 | 2922 | 1071 | 1088 | 60 | 32 |
| 166 | 73 | 14 | 49 | 3041 | 3037 | 27 | 3095 | 3041 | 1055 | 1069 | 46 | 30 |
| 167 | 73 | 34 | 24 | 3086 | 3027 | 21 | 3041 | 3041 | 1083 | 1089 | 48 | 33 |
| 168 | 73 | 54 | 40 | 3061 | 3082 | 28 | 3060 | 2723 | 1087 | 1087 | 44 | 31 |
| 169 | 74 | 13 | 21 | 3081 | 3092 | 25 | 3060 | 3036 | 1083 | 1073 | 46 | 36 |
| 170 | 74 | 33 | 48 | 3031 | 3002 | 24 | 3185 | 3087 | 1081 | 1088 | 52 | 31 |
| 171 | 74 | 53 | 21 | 3141 | 3077 | 37 | 3045 | 3046 | 1071 | 1082 | 48 | 30 |
| 172 | 75 | 13 | 25 | 3066 | 3082 | 21 | 3060 | 3071 | 1077 | 1088 | 56 | 33 |
| 173 | 75 | 33 | 32 | 3091 | 3057 | 40 | 3200 | 3021 | 1071 | 1096 | 50 | 33 |
| 174 | 75 | 53 | 21 | 3141 | 3067 | 32 | 3060 | 3051 | 1077 | 1076 | 46 | 30 |
| 175 | 78 | 14 | 49 | 3116 | 3117 | 32 | 3060 | 3081 | 1083 | 1076 | 46 | 32 |
| 176 | 78 | 34 | 41 | 3121 | 3032 | 21 | 3040 | 3036 | 1065 | 1076 | 52 | 31 |
| 177 | 78 | 54 | 17 | 3081 | 3042 | 40 | 3060 | 3076 | 1065 | 1096 | 46 | 31 |
| 178 | 79 | 14 | 21 | 3081 | 3032 | 40 | 3070 | 3036 | 1059 | 1069 | 44 | 32 |
| 179 | 79 | 34 | 19 | 3081 | 3062 | 32 | 3080 | 2981 | 1083 | 1078 | 44 | 32 |
| 180 | 79 | 54 | 19 | 3086 | 3092 | 25 | 3060 | 3066 | 1073 | 1084 | 50 | 30 |
| 181 | 80 | 14 | 49 | 3066 | 3072 | 20 | 3000 | 3185 | 1083 | 1089 | 60 | 27 |
| 182 | 80 | 34 | 24 | 3066 | 3067 | 27 | 3005 | 3041 | 1073 | 1090 | 56 | 33 |
| 183 | 80 | 53 | 21 | 3046 | 3107 | 33 | 3020 | 2996 | 1077 | 1088 | 48 | 33 |
| 184 | 81 | 13 | 36 | 3066 | 3077 | 40 | 3120 | 2887 | 1075 | 1082 | 62 | 32 |
| 185 | 81 | 33 | 49 | 3066 | 3112 | 25 | 3060 | 3071 | 1081 | 1088 | 60 | 32 |
| 186 | 81 | 53 | 16 | 3086 | 3112 | 32 | 3060 | 3036 | 1077 | 1088 | 60 | 30 |
| 187 | 82 | 13 | 24 | 3116 | 3082 | 40 | 3045 | 3056 | 1061 | 1082 | 56 | 34 |
| 188 | 82 | 33 | 32 | 3091 | 3082 | 32 | 3060 | 3051 | 1087 | 1094 | 50 | 33 |
| 189 | 82 | 52 | 48 | 3222 | 3062 | 41 | 3095 | 3056 | 1089 | 1073 | 56 | 28 |
| 190 | 83 | 12 | 48 | 3086 | 3082 | 32 | 3045 | 3081 | 1087 | 1089 | 52 | 33 |
| 191 | 83 | 32 | 41 | 3046 | 3072 | 27 | 3120 | 3056 | 1071 | 1078 | 60 | 31 |
| 192 | 83 | 52 | 48 | 3081 | 3112 | 32 | 3060 | 3056 | 1089 | 1084 | 52 | 27 |
| 193 | 84 | 12 | 40 | 3116 | 3042 | 21 | 3005 | 3046 | 1081 | 1078 | 56 | 31 |
| 194 | 84 | 32 | 36 | 3131 | 3102 | 25 | 3120 | 3051 | 1081 | 1078 | 56 | 31 |
| 195 | 84 | 52 | 22 | 3091 | 3067 | 27 | 3120 | 3091 | 1089 | 1084 | 56 | 31 |
| 196 | 85 | 12 | 21 | 3141 | 3077 | 40 | 3205 | 3051 | 1091 | 1096 | 56 | 34 |

| 2-01 | 2-02 | 2-03 | 2-05 | 2-06 | 2-07 | 2-08 | 2-09 | 2-10 | 2-11 | 2-12 | 2-13 | 2-14 |
|---------------|--------------|--------------|--|---|--|--|---|--|--|---|--|---|
| SMPD COUNT | TIME MIN. | TIME SEC. | 1STAGE HYD. PUMP INLET PRESS PSIG | 1STAGE HYD. PUMP OUTLET PRESS PSIG | 1STAGE HYD. SERVO CYL.) PSIG | 2STAGE HYD. PUMP INLET PRESS PSIG | 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2STAGE HYD. SERVO CYL.) PSIG | 2STAGE AFCS 1 /ROLL CHAM) PSIG | 2STAGE AFCS 1 /COLL. /YAW CHAM) PSIG | UTIL. HYD. AFCS 2 /YAW CHAM) PSIG | UTIL. HYD. PUMP INLET PRESS PSIG |
| 197 | 85 | 31 | 34 | 3086 | 3072 | 22 | 3105 | 3071 | 1069 | 1088 | 62 | 33 |
| 198 | 85 | 51 | 16 | 3041 | 3072 | 40 | 3120 | 2708 | 1061 | 1071 | 50 | 38 |
| 199 | 86 | 11 | 32 | 3141 | 3072 | 36 | 2985 | 3041 | 1059 | 1078 | 52 | 33 |
| 200 | 86 | 31 | 13 | 3091 | 3057 | 33 | 3060 | 2981 | 1079 | 1078 | 54 | 32 |
| 201 | 85 | 51 | 24 | 3116 | 3082 | 40 | 3065 | 3046 | 1083 | 1096 | 60 | 32 |
| 202 | 87 | 11 | 49 | 3101 | 3082 | 25 | 3100 | 3170 | 1071 | 1088 | 46 | 32 |
| 203 | 87 | 30 | 21 | 3081 | 2971 | 48 | 3020 | 3051 | 1051 | 1076 | 48 | 30 |
| 204 | 87 | 50 | 49 | 3031 | 3037 | 41 | 3020 | 2847 | 1075 | 1078 | 60 | 33 |
| 205 | 88 | 10 | 9 | 3041 | 3107 | 27 | 2725 | 3106 | 1053 | 1088 | 48 | 33 |
| 206 | 88 | 30 | 49 | 3086 | 3072 | 32 | 1925 | * | 1077 | 1098 | 62 | 33 |
| 207 | 88 | 50 | 24 | 3081 | 3072 | 40 | 3110 | 2986 | 1073 | 1088 | 44 | 33 |
| 208 | 89 | 10 | 32 | 3091 | 3082 | 40 | 3120 | 3021 | 1057 | 1073 | 46 | 30 |
| 209 | 89 | 30 | 21 | 3081 | 3082 | 27 | 3060 | 3036 | 1075 | 1078 | 46 | 32 |
| 210 | 89 | 50 | 34 | 3066 | 3057 | 21 | 3208 | 3041 | 1063 | 1073 | 48 | 30 |
| 211 | 90 | 10 | 49 | 3066 | 3066 | 32 | 3085 | 3021 | 1065 | 1071 | 52 | 33 |
| 212 | 90 | 30 | 22 | 3091 | 3072 | 22 | 3048 | 3066 | 1065 | 1073 | 44 | 30 |
| 213 | 90 | 50 | 24 | 3141 | 3052 | 40 | 3028 | 3016 | 1059 | 1073 | 46 | 28 |
| 214 | 91 | 9 | 32 | 3071 | 3047 | 23 | 3040 | 3041 | 1057 | 1069 | 44 | 31 |
| 215 | 91 | 29 | 33 | 3091 | 3067 | 23 | 3040 | 2981 | 1067 | 1088 | 52 | 34 |
| 216 | 91 | 49 | 21 | 3081 | 3012 | 23 | 3040 | 2981 | 1067 | 1088 | 52 | 32 |
| 217 | 92 | 9 | 33 | 3086 | 3072 | 21 | 3055 | 3041 | 1073 | 1090 | 44 | 33 |
| 218 | 92 | 29 | 32 | 3081 | 3072 | 24 | 3200 | 2977 | 1073 | 1073 | 42 | 33 |
| 219 | 92 | 49 | 40 | 3051 | 3072 | 32 | 3060 | 2862 | 1069 | 1084 | 42 | 32 |
| 220 | 93 | 9 | 26 | 3121 | 3082 | 32 | 3060 | 3046 | 1067 | 1078 | 48 | 33 |
| 221 | 93 | 29 | 26 | 3081 | 3057 | 40 | 3120 | 2937 | 1077 | 1082 | 60 | 32 |
| 222 | 93 | 48 | 25 | 3222 | 3112 | 32 | 3200 | 3056 | 1067 | 1078 | 52 | 38 |
| 223 | 94 | 8 | 22 | 3051 | 3102 | 27 | 3128 | 3056 | 1069 | 1084 | 60 | 34 |
| 224 | 94 | 28 | 31 | 3051 | 3072 | 26 | 3028 | 3031 | 1063 | 1069 | 48 | 33 |
| 225 | 94 | 48 | 35 | 3066 | 3102 | 32 | 3070 | 3071 | 1071 | 1088 | 60 | 34 |
| 226 | 95 | 8 | 32 | 3081 | 3062 | 41 | 3085 | 3041 | 1069 | 1073 | 60 | 33 |
| 227 | 95 | 27 | 25 | 3051 | 3072 | 40 | 3045 | 3041 | 1067 | 1069 | 52 | 34 |
| 228 | 95 | 47 | 40 | 3086 | 3072 | 32 | 3060 | 3036 | 1069 | 1084 | 60 | 36 |
| 229 | 95 | 7 | 40 | 3121 | 3057 | 44 | 3060 | 3051 | 1067 | 1088 | 60 | 30 |
| 230 | 96 | 26 | 40 | 3056 | 3112 | 21 | 2955 | 3051 | 1069 | 1076 | 60 | 31 |
| 231 | 96 | 46 | 29 | 3081 | 3077 | 21 | 3095 | 3071 | 1061 | 1084 | 56 | 35 |
| 232 | 97 | 6 | 41 | 3086 | 3082 | 21 | 3085 | 3081 | 1067 | 1084 | 48 | 40 |
| 233 | 97 | 26 | 48 | 3051 | 3082 | 29 | 3120 | 3081 | 1069 | 1084 | 44 | 37 |
| 234 | 97 | 46 | 40 | 3066 | 3077 | 31 | 2995 | 3031 | 1063 | 1069 | 46 | 32 |
| 235 | 98 | 5 | 27 | 3167 | 3017 | 29 | 3085 | 3031 | 1065 | 1067 | 42 | 33 |
| 236 | 98 | 25 | 30 | 3141 | 3112 | 29 | 3045 | 3031 | 1065 | 1069 | 42 | 32 |
| 237 | 98 | 45 | 41 | 3066 | 3082 | 26 | 3130 | 2803 | 1065 | 1071 | 58 | 30 |
| 238 | 99 | 5 | 25 | 3116 | 3082 | 27 | 3000 | 3081 | 1067 | 1067 | 49 | 33 |
| 239 | 99 | 25 | 41 | 3020 | 3082 | 32 | 2595 | 3354 | 1059 | 1071 | 52 | 33 |
| 240 | 99 | 45 | 48 | 3066 | 3017 | 27 | 3000 | 3041 | 1063 | 1069 | 42 | 32 |
| 241 | 100 | 3 | 24 | 3081 | 3057 | 30 | 3045 | 3066 | 1041 | 1055 | 44 | 33 |
| 242 | 100 | 24 | 21 | 3222 | 3132 | 26 | 2805 | 3086 | 1081 | 1071 | 56 | 27 |
| 243 | 101 | 44 | 21 | 3081 | 3042 | 29 | 3120 | 3051 | 1051 | 1071 | 48 | 32 |
| 244 | 101 | 100 | 32 | 3091 | 3032 | 32 | 3080 | 3031 | 1079 | 1067 | 48 | 31 |
| 245 | 101 | 24 | 25 | 3041 | 3017 | 29 | 3035 | 3006 | 1061 | 1084 | 48 | 32 |
| 246 | 101 | 43 | 24 | 3071 | 3052 | 33 | 2995 | 3061 | 1051 | 1069 | 48 | 32 |

| -01 SHEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-05 1STAGE HYD. PUMP INLET PRESS PSIG | 2-06 1STAGE HYD. PUMP OUTLET PRESS PSIG | 2-07 1STAGE HYD. TAFT SERVO CYL.) PSIG | 2-08 2STAGE HYD. PUMP INLET PRESS PSIG | 2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2-10 2STAGE HYD. TAFT SERVO CYL.) PSIG | 2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) PSIG | 2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) PSIG | 2-13 UTIL. HYD. AFCS 2 (P/R CHAN) PRESS PSIG | 2-14 UTIL. HYD. PUMP INLET PRESS PSIG |
|-----------------------|----------------------|----------------------|--|---|--|--|---|--|--|---|---|---|
| 299 | 119 | 0 | 7 | 2165 | 2158 | 40 | 2990 | 2996 | 1043 | 1049 | 29 | 33 |
| 300 | 119 | 24 | 8 | 1163 | 1164 | 25 | 3040 | 2947 | 1041 | 1041 | 22 | 30 |
| 301 | 119 | 44 | 2 | 594 | 607 | 33 | 3045 | 2961 | 1047 | 1047 | 22 | 27 |
| 302 | 120 | 7 | 2 | 563 | 557 | 32 | 2880 | 2986 | 1055 | 1051 | 24 | 33 |
| 303 | 120 | 27 | 4 | 463 | 481 | 29 | 3040 | 2956 | 1047 | 1051 | 24 | 30 |
| 304 | 120 | 46 | 2 | 70 | 75 | 26 | 3020 | 2961 | 1043 | 1047 | 34 | 32 |
| 305 | 121 | 6 | 1 | 0 | 0 | 27 | 3060 | 2991 | 1043 | 1047 | 20 | 35 |
| 306 | 121 | 25 | 1 | 0 | 0 | 11 | 2910 | 2857 | 2 | 2 | 12 | 24 |
| 307 | 121 | 45 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -4 | 0 |
| 308 | 122 | 4 | 1 | 0 | 0 | -0 | 0 | 0 | 0 | 0 | -8 | 0 |
| 310 | 122 | 24 | 0 | 0 | 0 | -0 | 0 | 0 | 0 | 0 | -10 | 0 |
| 311 | 122 | 43 | 0 | 0 | 0 | -1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 312 | 123 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

44-53C S/N 6A-10354
ARCTIC TEST
21 JANUARY 1971
RUN NO. 7 -42 DEG C / -43 DEG F

| -01 SWEEP COUNT | 2-02 TIME HR. | 2-03 TIME SEC. | 2-15 | | | 2-16 | | | 2-17 | | | 2-18 | | | |
|-----------------------|---------------------|----------------------|-------|------|------|--------|------|--------|--------|-------|------|--------|--------|-------|--------|
| | | | UTIL. | HYD. | PUMP | ISTAGE | HYD. | ROTARY | RUDDER | UTIL. | HYD. | ROTARY | QUODER | INLET | RETURN |
| 1 | 2 | 56 | 0 | | | 4 | | | 2 | | | NO.1 | | | 3 |
| 2 | 3 | 16 | 0 | | | 4 | | | 0 | | | MAIN | | | 3 |
| 3 | 3 | 37 | 0 | | | 6 | | | 6 | | | WHEEL | | | 6 |
| 4 | 3 | 57 | * | | | 2 | | | 2 | | | BRAKE | | | 3 |
| 5 | 4 | 18 | * | | | 4 | | | 8 | | | INLET | | | 4 |
| 6 | 4 | 38 | 3614 | | | 8 | | | 1400 | | | RETURN | | | 24 |
| 7 | 4 | 59 | 3131 | | | 8 | | | 1402 | | | PSIG | | | 29 |
| 8 | 5 | 19 | 3131 | | | -4 | | | 1402 | | | | | | 30 |
| 9 | 5 | 40 | 3056 | | | -4 | | | 1408 | | | | | | 30 |
| 10 | 6 | 0 | 3070 | | | 0 | | | 1415 | | | | | | 33 |
| 11 | 6 | 21 | 3040 | | | 2 | | | 1416 | | | | | | 32 |
| 12 | 6 | 41 | 3055 | | | 2 | | | 1434 | | | | | | 30 |
| 13 | 7 | 2 | 3070 | | | -4 | | | 1436 | | | | | | 31 |
| 14 | 7 | 22 | 3045 | | | 0 | | | 1424 | | | | | | 32 |
| 15 | 7 | 42 | 3085 | | | 4 | | | 1436 | | | | | | 32 |
| 16 | 8 | 3 | 3120 | | | 0 | | | 1444 | | | | | | 33 |
| 17 | 8 | 23 | 3085 | | | -6 | | | 1444 | | | | | | 34 |
| 18 | 8 | 43 | 3060 | | | 0 | | | 1436 | | | | | | 35 |
| 19 | 9 | 4 | 3048 | | | -6 | | | 1430 | | | | | | 34 |
| 20 | 9 | 24 | 3060 | | | 0 | | | 1442 | | | | | | 33 |
| 21 | 9 | 44 | 3045 | | | -4 | | | 1436 | | | | | | 34 |
| 22 | 10 | 5 | 3045 | | | -6 | | | 1436 | | | | | | 45 |
| 23 | 10 | 25 | 3050 | | | 0 | | | 1436 | | | | | | 42 |
| 24 | 10 | 45 | 3035 | | | 0 | | | 1433 | | | | | | 39 |
| 25 | 11 | 5 | 3131 | | | * | | | 1440 | | | | | | 39 |
| 26 | 11 | 25 | 3034 | | | * | | | 1440 | | | | | | 46 |
| 27 | 11 | 46 | 3050 | | | 0 | | | 1432 | | | | | | 39 |
| 28 | 12 | 6 | 3004 | | | * | | | 1440 | | | | | | 38 |
| 29 | 12 | 26 | 3085 | | | * | | | 1442 | | | | | | 39 |
| 30 | 12 | 46 | 3080 | | | * | | | 1446 | | | | | | 34 |
| 31 | 13 | 6 | 3040 | | | * | | | 1442 | | | | | | 38 |
| 32 | 13 | 27 | 3045 | | | 1479 | | | 1444 | | | | | | 39 |
| 33 | 13 | 47 | 3070 | | | 1495 | | | 1446 | | | | | | 40 |
| 34 | 14 | 7 | 3060 | | | 1509 | | | 1436 | | | | | | 39 |
| 35 | 14 | 27 | 3120 | | | 1537 | | | 1470 | | | | | | 43 |
| 36 | 14 | 47 | 3090 | | | 1535 | | | 1470 | | | | | | 42 |
| 37 | 15 | 8 | 3085 | | | 1535 | | | 1470 | | | | | | 43 |
| 38 | 15 | 28 | 3161 | | | 1533 | | | 1476 | | | | | | 43 |
| 39 | 15 | 48 | 3136 | | | 1541 | | | 1440 | | | | | | 43 |
| 40 | 16 | 0 | 3095 | | | 1541 | | | 1460 | | | | | | 42 |
| 41 | 16 | 28 | 3060 | | | 1541 | | | 1466 | | | | | | 42 |
| 42 | 16 | 49 | 3050 | | | 1543 | | | 1472 | | | | | | 43 |
| 43 | 17 | 9 | 3141 | | | 1525 | | | 1460 | | | | | | 43 |
| 44 | 17 | 29 | 3116 | | | 1461 | | | 1445 | | | | | | 42 |
| 45 | 17 | 49 | 3100 | | | 1537 | | | 1442 | | | | | | 44 |

| -01 SWEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-15 | | | 2-16 | | | 2-17 | | | 2-18 | | |
|-----------------------|----------------------|----------------------|--|---|--|--|--|--|--|--|--|------|--|--|
| | | | UTIL. HYD. PUMP OUTLET PRESS PSIG | 1STAGE HYD. ROTARY RUDDER INLET PSIG | UTIL. HYD. ROTARY RUDDER INLET PSIG | UTIL. HYD. ROTARY RUDDER INLET PSIG | UTIL. HYD. ROTARY RUDDER INLET PSIG | UTIL. HYD. ROTARY RUDDER INLET PSIG | NO.1 MAIN WHEEL BRAKE RETURN PSIG | | | | | |
| 46 | 18 | 9 | 3090 | 1537 | 1470 | 1470 | 42 | | | | | | | |
| 47 | 18 | 29 | 3065 | 1523 | 1460 | 1460 | 41 | | | | | | | |
| 48 | 18 | 49 | 3050 | 1533 | 1452 | 1452 | 43 | | | | | | | |
| 49 | 19 | 9 | 3115 | 1533 | 1474 | 1474 | 42 | | | | | | | |
| 50 | 19 | 29 | 3120 | 1549 | 1476 | 1476 | 42 | | | | | | | |
| 51 | 19 | 50 | 3045 | 1541 | 1484 | 1484 | 44 | | | | | | | |
| 52 | 20 | 10 | 3000 | 1537 | 1470 | 1470 | 43 | | | | | | | |
| 53 | 20 | 30 | 3131 | 1543 | 1476 | 1476 | 44 | | | | | | | |
| 54 | 20 | 50 | 3120 | 1549 | 1478 | 1478 | 41 | | | | | | | |
| 55 | 21 | 10 | 3126 | 1551 | 1488 | 1488 | 44 | | | | | | | |
| 56 | 21 | 30 | 3080 | 1527 | 1468 | 1468 | 44 | | | | | | | |
| 57 | 21 | 50 | 3065 | 1543 | 1466 | 1466 | 43 | | | | | | | |
| 58 | 22 | 10 | 3131 | 1547 | 1484 | 1484 | 42 | | | | | | | |
| 59 | 22 | 30 | 3141 | 1533 | 1466 | 1466 | 39 | | | | | | | |
| 60 | 22 | 50 | 3136 | 1533 | 1476 | 1476 | 39 | | | | | | | |
| 61 | 23 | 11 | 3055 | 1533 | 1456 | 1456 | 37 | | | | | | | |
| 62 | 23 | 31 | 3045 | 1533 | 1460 | 1460 | 36 | | | | | | | |
| 63 | 23 | 51 | 3095 | 1521 | 1462 | 1462 | 36 | | | | | | | |
| 64 | 24 | 11 | 3146 | 1541 | 1476 | 1476 | 35 | | | | | | | |
| 65 | 25 | 20 | 3141 | 1547 | 1472 | 1472 | 35 | | | | | | | |
| 66 | 25 | 40 | 3095 | 1533 | 1482 | 1482 | 35 | | | | | | | |
| 67 | 26 | 0 | 3151 | 1545 | 1460 | 1460 | 32 | | | | | | | |
| 68 | 27 | 58 | 3065 | 1533 | 1466 | 1466 | 33 | | | | | | | |
| 69 | 30 | 36 | 3120 | 1519 | 1456 | 1456 | 30 | | | | | | | |
| 70 | 30 | 56 | 3120 | 1515 | 1460 | 1460 | 31 | | | | | | | |
| 71 | 31 | 16 | 3171 | 1523 | 1456 | 1456 | 32 | | | | | | | |
| 72 | 31 | 37 | 3085 | 1521 | 1460 | 1460 | 33 | | | | | | | |
| 73 | 32 | 36 | 3136 | 1523 | 1460 | 1460 | 31 | | | | | | | |
| 74 | 32 | 56 | 3105 | 1523 | 1464 | 1464 | 33 | | | | | | | |
| 75 | 33 | 16 | 3120 | 1521 | 1460 | 1460 | 33 | | | | | | | |
| 76 | 33 | 36 | 3090 | 1525 | 1464 | 1464 | 33 | | | | | | | |
| 77 | 33 | 57 | 3171 | 1529 | 1454 | 1454 | 33 | | | | | | | |
| 78 | 34 | 17 | 3131 | 1523 | 1464 | 1464 | 33 | | | | | | | |
| 79 | 34 | 37 | 3136 | 1533 | 1454 | 1454 | 33 | | | | | | | |
| 80 | 34 | 57 | 3090 | 1527 | 1464 | 1464 | 33 | | | | | | | |
| 81 | 35 | 17 | 3141 | 1531 | 1462 | 1462 | 33 | | | | | | | |
| 82 | 35 | 38 | 3090 | 1525 | 1460 | 1460 | 32 | | | | | | | |
| 83 | 35 | 58 | 3141 | 1533 | 1462 | 1462 | 33 | | | | | | | |
| 84 | 36 | 18 | 3050 | 1541 | 1458 | 1458 | 31 | | | | | | | |
| 85 | 36 | 38 | 3101 | 1525 | 1466 | 1466 | 32 | | | | | | | |
| 86 | 36 | 58 | 3120 | 1541 | 1464 | 1464 | 33 | | | | | | | |
| 87 | 37 | 18 | 3141 | 1533 | 1464 | 1464 | 33 | | | | | | | |
| 88 | 37 | 38 | 3080 | 1523 | 1460 | 1460 | 33 | | | | | | | |
| 89 | 37 | 58 | 3040 | 1537 | 1460 | 1460 | 33 | | | | | | | |
| 90 | 38 | 19 | 3131 | 1523 | 1468 | 1468 | 31 | | | | | | | |
| 91 | 38 | 39 | 3136 | 1533 | 1450 | 1450 | 31 | | | | | | | |
| 92 | 38 | 59 | 3141 | 1541 | 1464 | 1464 | 33 | | | | | | | |
| 93 | 39 | 19 | 3141 | 1531 | 1462 | 1462 | 33 | | | | | | | |
| 94 | 39 | 39 | 3146 | 1533 | 1464 | 1464 | 34 | | | | | | | |
| 95 | 39 | 59 | 3065 | 1535 | 1464 | 1464 | 32 | | | | | | | |

| TOL SWEEP COUNT | 2-02 | | 2-03 | | 2-15 | | 2-16 | | 2-17 | | 2-18 | |
|-----------------------|--------------|------|------|------|-----------------------|-------------------------|-------------------------|-----------------------------------|-------------------------|-----------------------------------|--|--|
| | TIME MIN. | SEC. | TIME | SEC. | UTIL. HYD. PUMP | OUTLET PRESS PSIG | STAGE HYD. ROTARY | ROTARY RUDDER INLET PSIG | UTIL. HYD. ROTARY | ROTARY RUDDER INLET PSIG | NO.1 MAIN MHEFL BRAKE RETURN PSIG | |
| 96 | 40 | | 19 | | 3065 | | 1541 | | 1454 | | 33 | |
| 97 | 40 | | 39 | | 3136 | | 1539 | | 1466 | | 34 | |
| 99 | 41 | | 19 | | 3115 | | 1537 | | 1462 | | 31 | |
| 100 | 41 | | 39 | | 3131 | | 1537 | | 1472 | | 33 | |
| 101 | 42 | | 0 | | 3141 | | 1535 | | 1466 | | 31 | |
| 102 | 42 | | 20 | | 3141 | | 1531 | | 1462 | | 31 | |
| 103 | 43 | | 40 | | 3095 | | 1537 | | 1472 | | 30 | |
| 104 | 43 | | 0 | | 3136 | | 1537 | | 1476 | | 31 | |
| 105 | 43 | | 20 | | 3125 | | 1537 | | 1462 | | 33 | |
| 106 | 43 | | 40 | | 3100 | | 1537 | | 1470 | | 32 | |
| 107 | 44 | | 0 | | 3065 | | 1535 | | 1476 | | 32 | |
| 108 | 44 | | 20 | | 3085 | | 1539 | | 1474 | | 30 | |
| 109 | 44 | | 40 | | 3141 | | 1531 | | 1474 | | 31 | |
| 110 | 45 | | 0 | | 3065 | | 1533 | | 1476 | | 32 | |
| 111 | 45 | | 20 | | 3065 | | 1537 | | 1472 | | 31 | |
| 112 | 45 | | 40 | | 3136 | | 1535 | | 1470 | | 31 | |
| 113 | 46 | | 0 | | 3120 | | 1537 | | 1470 | | 32 | |
| 114 | 46 | | 20 | | 3131 | | 1537 | | 1472 | | 33 | |
| 115 | 49 | | 6 | | 3136 | | 1529 | | 1470 | | 30 | |
| 116 | 49 | | 26 | | 3045 | | 1523 | | 1472 | | 33 | |
| 117 | 49 | | 46 | | 3110 | | 1537 | | 1478 | | 31 | |
| 118 | 51 | | 45 | | 3100 | | 1529 | | 1466 | | 29 | |
| 119 | 52 | | 5 | | 3141 | | 1523 | | 1462 | | 32 | |
| 120 | 52 | | 25 | | 3151 | | 1529 | | 1468 | | 30 | |
| 121 | 54 | | 24 | | 3151 | | 1535 | | 1488 | | 33 | |
| 122 | 54 | | 46 | | 3131 | | 1541 | | 1482 | | 33 | |
| 123 | 55 | | 5 | | 3131 | | 1535 | | 1466 | | 31 | |
| 124 | 56 | | 23 | | 3131 | | 1533 | | 1482 | | 31 | |
| 125 | 56 | | 43 | | 3060 | | 1521 | | 1460 | | 30 | |
| 126 | 57 | | 3 | | 3090 | | 1533 | | 1468 | | 30 | |
| 127 | 57 | | 23 | | 3070 | | 1525 | | 1458 | | 28 | |
| 128 | 57 | | 43 | | 3136 | | 1535 | | 1464 | | 31 | |
| 129 | 58 | | 3 | | 3141 | | 1529 | | 1454 | | 30 | |
| 130 | 58 | | 23 | | 3065 | | 1533 | | 1462 | | 32 | |
| 131 | 58 | | 43 | | 3100 | | 1533 | | 1468 | | 32 | |
| 132 | 59 | | 3 | | 3055 | | 1517 | | 1472 | | 33 | |
| 133 | 59 | | 23 | | 3090 | | 1543 | | 1476 | | 32 | |
| 134 | 59 | | 43 | | 3146 | | 1533 | | 1466 | | 33 | |
| 135 | 60 | | 3 | | 3100 | | 1493 | | 1464 | | 31 | |
| 136 | 60 | | 23 | | 3136 | | 1533 | | 1466 | | 30 | |
| 137 | 60 | | 43 | | 3115 | | 1533 | | 1460 | | 33 | |
| 138 | 61 | | 3 | | 3141 | | 1529 | | 1484 | | 33 | |
| 139 | 61 | | 22 | | 3125 | | 1519 | | 1476 | | 33 | |
| 140 | 62 | | 21 | | 3146 | | 1543 | | 1468 | | 33 | |
| 141 | 62 | | 41 | | 3161 | | 1539 | | 1480 | | 31 | |
| 142 | 63 | | 1 | | 3090 | | 1531 | | 1468 | | 32 | |
| 143 | 65 | | 0 | | 3141 | | 1537 | | 1476 | | 31 | |
| 144 | 65 | | 20 | | 3151 | | 1537 | | 1488 | | 31 | |
| 145 | 65 | | 40 | | 3065 | | 1537 | | 1470 | | 32 | |
| 146 | 66 | | 0 | | 3040 | | 1535 | | 1468 | | 33 | |

| -01 SHEEP COUNT | 2-02 | | 2-03 | | 2-15 | | 2-16 | | 2-17 | | 2-18 | |
|-----------------------|------|------|------|------|-------|------|--------|------|------|------|------|------|
| | TIME | WTN. | TIME | SEC. | UTIL. | HYD. | 1STAGG | UTL. | HYD. | NO.1 | MAIN | PSIG |
| 147 | 66 | | 57 | | 3131 | | 1539 | 1484 | | 33 | | 33 |
| 148 | 67 | | 17 | | 3131 | | 1539 | 1474 | | 33 | | 33 |
| 149 | 67 | | 56 | | 3085 | | 1537 | 1484 | | 34 | | 34 |
| 150 | 67 | | 56 | | 3131 | | 1533 | 1484 | | 34 | | 34 |
| 151 | 68 | | 15 | | 3131 | | 1533 | 1480 | | 33 | | 33 |
| 152 | 68 | | 35 | | 3136 | | 1537 | 1466 | | 33 | | 33 |
| 153 | 68 | | 55 | | 3136 | | 1533 | 1480 | | 39 | | 39 |
| 154 | 69 | | 15 | | 3085 | | 1535 | 1476 | | 36 | | 36 |
| 155 | 69 | | 35 | | 3075 | | 1525 | 1456 | | 33 | | 33 |
| 156 | 69 | | 55 | | 3100 | | 1519 | 1452 | | 36 | | 36 |
| 157 | 70 | | 14 | | 3146 | | 1525 | 1476 | | 33 | | 33 |
| 158 | 70 | | 34 | | 3141 | | 1523 | 1464 | | 33 | | 33 |
| 159 | 70 | | 54 | | 3125 | | 1535 | 1460 | | 34 | | 34 |
| 160 | 71 | | 14 | | 3040 | | 1529 | 1468 | | 35 | | 35 |
| 161 | 71 | | 34 | | 3100 | | 1533 | 1476 | | 34 | | 34 |
| 162 | 71 | | 54 | | 3141 | | 1529 | 1480 | | 36 | | 36 |
| 163 | 72 | | 14 | | 3093 | | 1517 | 1476 | | 34 | | 34 |
| 164 | 72 | | 34 | | 3060 | | 1523 | 1448 | | 36 | | 36 |
| 165 | 73 | | 53 | | 3141 | | 1529 | 1464 | | 32 | | 32 |
| 166 | 73 | | 14 | | 3090 | | 1499 | 1450 | | 35 | | 35 |
| 167 | 73 | | 34 | | 3141 | | 1523 | 1442 | | 33 | | 33 |
| 168 | 73 | | 54 | | 3136 | | 1523 | 1456 | | 34 | | 34 |
| 169 | 74 | | 13 | | 3070 | | 1521 | 1448 | | 34 | | 34 |
| 170 | 74 | | 33 | | 3065 | | 1537 | 1476 | | 34 | | 34 |
| 171 | 74 | | 53 | | 3141 | | 1523 | 1464 | | 34 | | 34 |
| 172 | 75 | | 13 | | 3100 | | 1523 | 1460 | | 36 | | 36 |
| 173 | 75 | | 33 | | 3141 | | 1535 | 1456 | | 34 | | 34 |
| 174 | 75 | | 53 | | 3161 | | 1537 | 1462 | | 33 | | 33 |
| 175 | 78 | | 14 | | 3141 | | 1535 | 1476 | | 35 | | 35 |
| 176 | 78 | | 34 | | 3085 | | 1537 | 1448 | | 34 | | 34 |
| 177 | 78 | | 54 | | 3120 | | 1521 | 1462 | | 34 | | 34 |
| 178 | 79 | | 14 | | 3085 | | 1527 | 1462 | | 33 | | 33 |
| 179 | 79 | | 34 | | 3050 | | 1513 | 1434 | | 33 | | 33 |
| 180 | 79 | | 54 | | 3131 | | 1525 | 1458 | | 33 | | 33 |
| 181 | 80 | | 14 | | 3065 | | 1533 | 1462 | | 33 | | 33 |
| 182 | 80 | | 34 | | 3141 | | 1515 | 1456 | | 36 | | 36 |
| 183 | 80 | | 53 | | 3050 | | 1503 | 1452 | | 35 | | 35 |
| 184 | 81 | | 13 | | 3070 | | 1529 | 1468 | | 36 | | 36 |
| 185 | 81 | | 33 | | 3136 | | 1537 | 1466 | | 35 | | 35 |
| 186 | 81 | | 53 | | 3100 | | 1549 | 1468 | | 35 | | 35 |
| 187 | 82 | | 13 | | 3146 | | 1531 | 1468 | | 35 | | 35 |
| 188 | 82 | | 33 | | 3136 | | 1527 | 1470 | | 33 | | 33 |
| 189 | 82 | | 52 | | 3088 | | 1537 | 1470 | | 34 | | 34 |
| 190 | 83 | | 12 | | 3100 | | 1537 | 1470 | | 33 | | 33 |
| 191 | 83 | | 32 | | 3100 | | 1549 | 1480 | | 34 | | 34 |
| 192 | 83 | | 52 | | 3232 | | 1539 | 1480 | | 34 | | 34 |
| 193 | 84 | | 12 | | 3100 | | 1533 | 1466 | | 35 | | 35 |
| 194 | 84 | | 32 | | 3050 | | 1533 | 1470 | | 36 | | 36 |
| 195 | 84 | | 52 | | 3100 | | 1537 | 1476 | | 36 | | 36 |
| 196 | 85 | | 12 | | 3080 | | 1533 | 1470 | | 35 | | 35 |

| 2-14 SURF COUNT | 2-15 TIME MIN. | 2-16 TIME SEC. | 2-17 UTIL. HYD. POTARY RUDDER INLET PSIG | 2-18 NO.1 MAIN WHEEL BRAKE RETURN PSIG | |
|-----------------------|----------------------|----------------------|--|--|----|
| 197 | 45 | 31 | 3080 | 1468 | 35 |
| 198 | 45 | 51 | 3141 | 1462 | 33 |
| 199 | 46 | 11 | 3100 | 1465 | 33 |
| 200 | 46 | 31 | 3050 | 1462 | 35 |
| 201 | 46 | 51 | 3095 | 1460 | 37 |
| 202 | 47 | 11 | 3136 | 1452 | 35 |
| 203 | 47 | 30 | 3141 | 1458 | 35 |
| 204 | 47 | 50 | 3120 | 1460 | 35 |
| 205 | 48 | 10 | 3120 | 1460 | 34 |
| 206 | 48 | 30 | 2974 | 1462 | 33 |
| 207 | 48 | 50 | 3040 | 1464 | 34 |
| 208 | 49 | 10 | 3095 | 1464 | 33 |
| 209 | 49 | 30 | 3065 | 1454 | 35 |
| 210 | 49 | 50 | 3040 | 1448 | 33 |
| 211 | 49 | 10 | 3151 | 1460 | 33 |
| 212 | 49 | 30 | 3125 | 1450 | 33 |
| 213 | 49 | 50 | 3045 | 1446 | 33 |
| 214 | 49 | 9 | 3120 | 1446 | 35 |
| 215 | 49 | 29 | 3080 | 1460 | 32 |
| 216 | 49 | 49 | 3009 | 1456 | 33 |
| 217 | 49 | 9 | 3065 | 1457 | 33 |
| 218 | 49 | 29 | 3151 | 1464 | 36 |
| 219 | 49 | 49 | 3131 | 1460 | 33 |
| 220 | 49 | 6 | 3045 | 1450 | 33 |
| 221 | 49 | 29 | 3141 | 1460 | 34 |
| 222 | 49 | 48 | 3065 | 1472 | 38 |
| 223 | 49 | 8 | 3065 | 1466 | 35 |
| 224 | 49 | 28 | 3070 | 1465 | 36 |
| 225 | 49 | 48 | 3120 | 1468 | 36 |
| 226 | 49 | 8 | 3065 | 1464 | 36 |
| 227 | 49 | 27 | 3095 | 1476 | 37 |
| 228 | 49 | 47 | 3131 | 1476 | 36 |
| 229 | 49 | 7 | 3146 | 1470 | 36 |
| 230 | 49 | 26 | 3110 | 1470 | 38 |
| 231 | 49 | 46 | 3060 | 1464 | 36 |
| 232 | 49 | 6 | 3136 | 1476 | 36 |
| 233 | 49 | 26 | 3030 | 1464 | 34 |
| 234 | 49 | 46 | 3065 | 1462 | 33 |
| 235 | 49 | 5 | 3045 | 1455 | 35 |
| 236 | 49 | 25 | 3161 | 1452 | 33 |
| 237 | 49 | 45 | 3141 | 1448 | 33 |
| 238 | 49 | 5 | 3045 | 1464 | 33 |
| 239 | 49 | 25 | 3070 | 1464 | 34 |
| 240 | 49 | 45 | 3131 | 1460 | 33 |
| 241 | 100 | 3 | 3045 | 1460 | 36 |
| 242 | 100 | 24 | 3181 | 1454 | 33 |
| 243 | 100 | 44 | 3030 | 1462 | 35 |
| 244 | 101 | 4 | 3050 | 1460 | 33 |
| 245 | 101 | 24 | 3136 | 1462 | 33 |
| 246 | 101 | 43 | 3030 | 1464 | 33 |

| -01 SWFEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG | 2-16 1STAGE HYD. ROTARY RUDDER INLET PSIG | 2-17 UTIL. HYD. ROTARY RUDDER INLET PSIG | 2-19 NO.1 MAIN WHEEL BRAKE RETURN PSIG |
|-----------------------|----------------------|----------------------|--|---|--|--|
| 247 | 102 | 3 | 3080 | 1541 | 1464 | 36 |
| 248 | 102 | 23 | 3004 | 1521 | 1450 | 33 |
| 249 | 102 | 43 | 3055 | 1521 | 1456 | 32 |
| 250 | 103 | 3 | 3095 | 1519 | 1460 | 34 |
| 251 | 103 | 22 | 3136 | 1535 | 1458 | 34 |
| 252 | 103 | 42 | 3100 | 1519 | 1456 | 34 |
| 253 | 104 | 2 | 3050 | 1529 | 1462 | 34 |
| 254 | 104 | 22 | 3131 | 1525 | 1452 | 33 |
| 255 | 104 | 42 | 3040 | 1525 | 1464 | 33 |
| 256 | 105 | 1 | 3045 | 1523 | 1452 | 35 |
| 257 | 105 | 21 | 3065 | 1529 | 1464 | 33 |
| 258 | 105 | 41 | 3146 | 1527 | 1480 | 33 |
| 259 | 106 | 1 | 3070 | 1525 | 1452 | 33 |
| 260 | 106 | 21 | 3050 | 1533 | 1450 | 33 |
| 261 | 106 | 40 | 3100 | 1533 | 1458 | 33 |
| 262 | 107 | 0 | 3110 | 1533 | 1450 | 33 |
| 263 | 107 | 20 | 3120 | 1529 | 1454 | 33 |
| 264 | 107 | 40 | 3100 | 1535 | 1456 | 33 |
| 265 | 108 | 0 | 3131 | 1537 | 1462 | 35 |
| 266 | 108 | 19 | 3105 | 1533 | 1482 | 36 |
| 269 | 109 | 19 | 3120 | 1535 | 1454 | 33 |
| 270 | 109 | 38 | 3120 | 1533 | 1462 | 36 |
| 271 | 109 | 58 | 3136 | 1535 | 1468 | 36 |
| 272 | 110 | 18 | 3080 | 1535 | 1472 | 36 |
| 273 | 110 | 37 | 3120 | 1535 | 1452 | 36 |
| 274 | 110 | 57 | 3131 | 1527 | 1466 | 36 |
| 275 | 111 | 17 | 3075 | 1531 | 1464 | 33 |
| 276 | 111 | 36 | 3131 | 1531 | 1482 | 36 |
| 277 | 111 | 56 | 3131 | 1529 | 1480 | 39 |
| 278 | 112 | 16 | 3161 | 1537 | 1482 | 37 |
| 279 | 112 | 36 | 3131 | 1533 | 1480 | 37 |
| 280 | 112 | 55 | 3110 | 1541 | 1470 | 39 |
| 281 | 113 | 15 | 3100 | 1501 | 1444 | 37 |
| 282 | 113 | 35 | 3080 | 1537 | 1466 | 37 |
| 283 | 113 | 55 | 3090 | 1533 | 1464 | 38 |
| 284 | 114 | 14 | 3120 | 1481 | 1396 | 43 |
| 285 | 114 | 34 | 3105 | 1533 | 1462 | 41 |
| 286 | 114 | 54 | 3120 | 1311 | 1376 | 46 |
| 287 | 115 | 13 | 3045 | 1537 | 1470 | 41 |
| 288 | 115 | 33 | 2964 | 1533 | 1466 | 36 |
| 289 | 115 | 53 | 3090 | 1539 | 1462 | 38 |
| 290 | 116 | 12 | 3090 | 1533 | 1462 | 40 |
| 291 | 116 | 32 | 3100 | 1533 | 1450 | 37 |
| 292 | 116 | 52 | 3070 | 1497 | 1422 | 31 |
| 293 | 117 | 11 | 3080 | 1495 | 1468 | 34 |
| 294 | 117 | 31 | 3131 | 1501 | 1464 | 31 |
| 295 | 117 | 50 | 3070 | 1495 | 1430 | 33 |
| 296 | 118 | 10 | 3014 | 1430 | 1438 | 31 |
| 297 | 118 | 29 | 3070 | 1493 | 1434 | 31 |
| 298 | 118 | 49 | 3045 | 1499 | 1460 | 33 |

| STATION | 2-12 TIME MIN. | 2-15 TIME SEC. | 2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG | 2-16 1STAGE HYD. ROTARY RUBBER INLET PRESS PSIG | 2-17 UTIL. HYD. ROTARY RUBBER INLET PRESS PSIG | 2-18 NO.1 MAIN WHEEL SHAFT RETURN PRESS PSIG |
|---------|----------------|----------------|--|---|--|--|
| 299 | 119 | A | 3604 | 1481 | 1455 | 31 |
| 300 | 119 | 28 | 3035 | 1146 | 1448 | 33 |
| 301 | 119 | 48 | 2964 | 613 | 1442 | 33 |
| 302 | 120 | 7 | 3040 | 565 | 1448 | 31 |
| 303 | 120 | 27 | 3050 | 429 | 1456 | 31 |
| 304 | 120 | 46 | 3004 | 14 | 1446 | 33 |
| 305 | 121 | 6 | 3060 | -4 | 1442 | 32 |
| 306 | 121 | 25 | 2676 | * | 1432 | 34 |
| 307 | 121 | 45 | * | 0 | 0 | 4 |
| 308 | 122 | 4 | * | 0 | * | 3 |
| 310 | 122 | 24 | * | -6 | * | 4 |
| 311 | 122 | 43 | * | * | * | 3 |
| 312 | 123 | 3 | * | * | -10 | 1 |

H4-53C S/N 68-10354
 ARCTIC TEST
 21 JANUARY 1971
 RUN NO. 7

-42 DEG C / -43 DEG F

| -01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER PLENUM CHAMBER TEMP OUT DEG.C | 3-07 HEATER MAIN DIST. DEG.C | 3-08 HEATER MAIN DIST. RS FWD DEG.C | 3-09 DUCT OUTLET (OR PIT L.S.) DEG.C | 3-10 DUCT OUTLET (OR PIT R.S.) DEG.C | 3-11 DUCT OUTLET STAN60 -478LS DEG.C | 3-12 DUCT OUTLET STAN60 -478LS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS HAIST LEVEL AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|---|--|--|---|---|---|---|---|--|
| 1 | 2 | 5A | -32 | 118 | 118 | 107 | 73 | 46 | 42 | 43 | 31 | 38 |
| 2 | 3 | 19 | -32 | 118 | 118 | 108 | 50 | 45 | 42 | 44 | 33 | 36 |
| 3 | 3 | 39 | -32 | 118 | 118 | 104 | 54 | 45 | 40 | 43 | 34 | 38 |
| 4 | 4 | 0 | -33 | 118 | 117 | 107 | 50 | 45 | 41 | 44 | 34 | 36 |
| 5 | 4 | 20 | -33 | 117 | 116 | 106 | 49 | 45 | 41 | 47 | 35 | 35 |
| 6 | 4 | 41 | -33 | 116 | 116 | 106 | 51 | 45 | 41 | 44 | 35 | 35 |
| 7 | 5 | 1 | -31 | 114 | 117 | 106 | 51 | 45 | 40 | 44 | 36 | 36 |
| 8 | 5 | 22 | -34 | 118 | 116 | 107 | 48 | 44 | 40 | 42 | 35 | 34 |
| 9 | 5 | 42 | -35 | 115 | 113 | 103 | 47 | 44 | 40 | 43 | 36 | 33 |
| 10 | 6 | 3 | -36 | 114 | 114 | 103 | 46 | 44 | 39 | 42 | 36 | 32 |
| 11 | 6 | 23 | -35 | 115 | 114 | 104 | 46 | 43 | 40 | 44 | 36 | 32 |
| 12 | 6 | 44 | -35 | 115 | 114 | 105 | 46 | 44 | 41 | 45 | 37 | 32 |
| 13 | 7 | 4 | -35 | 115 | 115 | 105 | 48 | 44 | 41 | 44 | 37 | 32 |
| 14 | 7 | 25 | -36 | 115 | 114 | 104 | 48 | 44 | 42 | 46 | 37 | 32 |
| 15 | 7 | 45 | -36 | 109 | 108 | 96 | 49 | 44 | 41 | 42 | 38 | 33 |
| 16 | 8 | 5 | -36 | 65 | 63 | 54 | 49 | 44 | 39 | 40 | 37 | 33 |
| 17 | 8 | 26 | -39 | 24 | 22 | 17 | 45 | 44 | 37 | 37 | 37 | 34 |
| 18 | 8 | 46 | -38 | 0 | -1 | -3 | 41 | 41 | 26 | 26 | 35 | 32 |
| 19 | 9 | 6 | -39 | -15 | -14 | -16 | 35 | 41 | 20 | 19 | 30 | 38 |
| 20 | 9 | 26 | -40 | -21 | -20 | -22 | 33 | 40 | 15 | 15 | 34 | 28 |
| 21 | 9 | 47 | -37 | -23 | -24 | -25 | 30 | 37 | 11 | 12 | 32 | 27 |
| 22 | 10 | 7 | -36 | -24 | -24 | -25 | 28 | 36 | 8 | 9 | 32 | 27 |
| 23 | 10 | 27 | -32 | -23 | -24 | -24 | 27 | 35 | 6 | 7 | 31 | 26 |
| 24 | 10 | 47 | -31 | -24 | -23 | -24 | 25 | 34 | 5 | 6 | 29 | 26 |
| 25 | 11 | 8 | -32 | -24 | -23 | -24 | 23 | 32 | 4 | 5 | 29 | 24 |
| 26 | 11 | 28 | -32 | -24 | -25 | -25 | 22 | 31 | 3 | 3 | 29 | 24 |
| 27 | 11 | 48 | -36 | -26 | -26 | -26 | 21 | 30 | 2 | 3 | 28 | 23 |
| 28 | 12 | 8 | -37 | -12 | -12 | -12 | 20 | 29 | 2 | 2 | 27 | 22 |
| 29 | 12 | 29 | -37 | 30 | 29 | 24 | 39 | 27 | 2 | 5 | 25 | 22 |
| 30 | 12 | 49 | -34 | 61 | 59 | 53 | 28 | 27 | 8 | 11 | 25 | 22 |
| 31 | 13 | 9 | -34 | 82 | 81 | 73 | 28 | 26 | 15 | 17 | 25 | 22 |
| 32 | 13 | 29 | -32 | 92 | 92 | 85 | 30 | 25 | 22 | 22 | 25 | 22 |
| 33 | 13 | 49 | -32 | 101 | 100 | 92 | 35 | 26 | 27 | 27 | 25 | 24 |
| 34 | 14 | 10 | -32 | 107 | 105 | 97 | 38 | 28 | 31 | 33 | 25 | 24 |
| 35 | 14 | 30 | -30 | 82 | 81 | 70 | 42 | 29 | 34 | 35 | 27 | 29 |
| 36 | 14 | 50 | -33 | 76 | 76 | 29 | 39 | 29 | 31 | 31 | 28 | 29 |
| 37 | 15 | 10 | -34 | 37 | 35 | 31 | 34 | 28 | 26 | 26 | 27 | 29 |
| 38 | 15 | 30 | -34 | 64 | 62 | 56 | 32 | 28 | 24 | 25 | 26 | 27 |
| 39 | 15 | 51 | -34 | 76 | 75 | 68 | 34 | 29 | 27 | 26 | 26 | 27 |
| 40 | 16 | 11 | -34 | 44 | 43 | 36 | 35 | 28 | 27 | 25 | 26 | 27 |
| 41 | 16 | 31 | -35 | 11 | 11 | 8 | 31 | 28 | 23 | 22 | 25 | 27 |
| 42 | 16 | 51 | -36 | 29 | 28 | 25 | 26 | 28 | 18 | 16 | 25 | 25 |
| 43 | 17 | 11 | -36 | 58 | 57 | 51 | 26 | 25 | 18 | 19 | 24 | 24 |
| 44 | 17 | 31 | -34 | 78 | 78 | 70 | 29 | 27 | 22 | 23 | 24 | 23 |
| 45 | 17 | 51 | -34 | 51 | 58 | 48 | 34 | 28 | 22 | 23 | 24 | 24 |

| -01 START POINT | 1-02 TIME MKG. | 3-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER PLENUM CAMBER TEMP OUT DEG.C | 3-07 HEATER MAIN DIST. LS FWD DEG.C | 3-08 HEATER MAIN DIST. RS FWD TEG.C | 3-09 DIST. OUTLET OUTLET (CKPT L.S.) DEG.C | 3-10 DIST. OUTLET OUTLET ICKPT R.S.I DEG.C | 3-11 DIST. OUTLET OUTLET STA480 -4700S DEG.C | 3-12 DIST. OUTLET OUTLET STA480 -470LS DEG.C | 3-13 PILOTS HEAD LEVEL TEMP DEG.C | 3-14 PILOTS HAIST LEVEL AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|--|--|--|--|--|--|--|--|--|
| 46 | 18 | 11 | -14 | 24 | 27 | 22 | 32 | 28 | 24 | 24 | 25 | 25 |
| 47 | 18 | 32 | -30 | 45 | 45 | 40 | 29 | 28 | 22 | 22 | 24 | 25 |
| 48 | 16 | 52 | -33 | 61 | 61 | 57 | 30 | 28 | 23 | 23 | 24 | 24 |
| 49 | 19 | 12 | -34 | 38 | 38 | 26 | 31 | 27 | 23 | 23 | 24 | 24 |
| 50 | 19 | 32 | -34 | 35 | 33 | 28 | 28 | 28 | 20 | 20 | 24 | 24 |
| 51 | 19 | 52 | -34 | 181 | 59 | 53 | 24 | 27 | 20 | 20 | 23 | 23 |
| 52 | 20 | 10 | -33 | 70 | 70 | 62 | 30 | 27 | 23 | 23 | 23 | 23 |
| 53 | 20 | 32 | -33 | 39 | 38 | 31 | 31 | 27 | 24 | 24 | 24 | 24 |
| 54 | 20 | 52 | -34 | 23 | 23 | 19 | 27 | 26 | 21 | 21 | 23 | 23 |
| 55 | 21 | 12 | -34 | 50 | 49 | 44 | 25 | 25 | 19 | 19 | 22 | 22 |
| 56 | 21 | 32 | -33 | 72 | 71 | 64 | 28 | 25 | 23 | 23 | 21 | 21 |
| 57 | 21 | 52 | -33 | 46 | 48 | 41 | 30 | 27 | 24 | 24 | 22 | 22 |
| 58 | 22 | 18 | -34 | 28 | 30 | 25 | 22 | 26 | 22 | 22 | 22 | 23 |
| 59 | 22 | 32 | -34 | 52 | 52 | 47 | 27 | 27 | 21 | 21 | 22 | 23 |
| 60 | 22 | 53 | -32 | 38 | 38 | 31 | 28 | 26 | 21 | 21 | 22 | 21 |
| 61 | 23 | 13 | -30 | 27 | 27 | 23 | 25 | 26 | 19 | 19 | 22 | 18 |
| 62 | 23 | 33 | -35 | 57 | 56 | 50 | 25 | 24 | 18 | 18 | 22 | 17 |
| 63 | 23 | 53 | -33 | 23 | 24 | 21 | 27 | 24 | 20 | 20 | 20 | 17 |
| 64 | 24 | 13 | -34 | 24 | 24 | 21 | 26 | 24 | 19 | 19 | 20 | 17 |
| 65 | 25 | 22 | -33 | 33 | 33 | 27 | 28 | 24 | 21 | 21 | 21 | 17 |
| 66 | 25 | 43 | -24 | 44 | 43 | 38 | 25 | 24 | 19 | 19 | 20 | 17 |
| 67 | 26 | 3 | -22 | 72 | 71 | 64 | 27 | 24 | 20 | 20 | 20 | 17 |
| 68 | 26 | 8 | -23 | 58 | 58 | 51 | 21 | 18 | 17 | 17 | 15 | 15 |
| 69 | 30 | 38 | -27 | 48 | 48 | 39 | 31 | 21 | 14 | 14 | 19 | 19 |
| 70 | 30 | 58 | -27 | 20 | 20 | 16 | 27 | 22 | 21 | 21 | 18 | 18 |
| 71 | 31 | 19 | -28 | 55 | 54 | 48 | 26 | 21 | 18 | 18 | 18 | 17 |
| 72 | 31 | 39 | -25 | 68 | 68 | 60 | 28 | 21 | 19 | 19 | 15 | 15 |
| 73 | 32 | 38 | -24 | 62 | 62 | 54 | 28 | 19 | 22 | 22 | 17 | 17 |
| 74 | 32 | 58 | -24 | 33 | 34 | 28 | 28 | 20 | 21 | 21 | 17 | 15 |
| 75 | 33 | 19 | -24 | 26 | 26 | 21 | 25 | 20 | 18 | 18 | 17 | 14 |
| 76 | 33 | 39 | -23 | 59 | 58 | 53 | 24 | 20 | 18 | 18 | 17 | 14 |
| 77 | 33 | 59 | -22 | 33 | 32 | 27 | 27 | 21 | 19 | 19 | 17 | 15 |
| 78 | 34 | 19 | -23 | 53 | 52 | 46 | 26 | 21 | 18 | 18 | 16 | 16 |
| 79 | 34 | 40 | -23 | 33 | 33 | 28 | 27 | 21 | 19 | 19 | 16 | 16 |
| 80 | 35 | 0 | -21 | 81 | 81 | 74 | 27 | 21 | 20 | 20 | 17 | 17 |
| 81 | 35 | 20 | -20 | 75 | 75 | 65 | 31 | 21 | 20 | 20 | 17 | 16 |
| 82 | 35 | 40 | -21 | 39 | 40 | 33 | 31 | 21 | 24 | 24 | 17 | 16 |
| 83 | 36 | 0 | -23 | 15 | 15 | 12 | 20 | 17 | 19 | 19 | 17 | 16 |
| 84 | 36 | 20 | -23 | 51 | 50 | 47 | 24 | 21 | 17 | 17 | 17 | 16 |
| 85 | 36 | 40 | -22 | 75 | 74 | 67 | 28 | 21 | 20 | 20 | 16 | 16 |
| 86 | 37 | 1 | -22 | 74 | 74 | 64 | 29 | 22 | 22 | 22 | 17 | 16 |
| 87 | 37 | 21 | -23 | 42 | 42 | 35 | 29 | 22 | 22 | 22 | 17 | 16 |
| 88 | 37 | 41 | -24 | 15 | 15 | 12 | 27 | 22 | 19 | 19 | 17 | 16 |
| 89 | 38 | 1 | -24 | 21 | 21 | 19 | 32 | 20 | 15 | 15 | 17 | 16 |
| 90 | 38 | 21 | -23 | 59 | 58 | 57 | 22 | 20 | 15 | 15 | 17 | 17 |
| 91 | 38 | 41 | -22 | 72 | 72 | 63 | 25 | 21 | 16 | 16 | 16 | 17 |
| 92 | 39 | 1 | -21 | 46 | 45 | 45 | 27 | 21 | 19 | 19 | 17 | 16 |
| 93 | 39 | 21 | -22 | 29 | 29 | 25 | 25 | 21 | 19 | 19 | 17 | 16 |
| 94 | 39 | 41 | -21 | 58 | 58 | 51 | 24 | 21 | 18 | 18 | 17 | 16 |
| 95 | 40 | 2 | -21 | 52 | 52 | 44 | 26 | 22 | 19 | 19 | 17 | 15 |

| -01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER OLEUM CAMBER TEMP OUT DEG.C | 1-07 HEATER MAIN DIST. DUCT LS FWD DEG.C | 3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C | 3-09 DIST. DUCT OUTLET CKPIT L.S.J DEG.C | 3-10 DIST. DUCT OUTLET CKPIT R.S.J DEG.C | 3-11 DIST. DUCT OUTLET S1460 -478LS DEG.C | 3-12 DIST. DUCT OUTLET S1460 -478LS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS WAIST LEVEL AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|---|--|--|--|--|---|---|---|--|
| 96 | 40 | 22 | -21 | 70 | 28 | 23 | 25 | 22 | 18 | 18 | 17 | 17 |
| 97 | 40 | 42 | -20 | 30 | 29 | 27 | 22 | 21 | 16 | 16 | 17 | 17 |
| 98 | 41 | 22 | -18 | 93 | 86 | 86 | 27 | 21 | 19 | 17 | 17 | 17 |
| 99 | 41 | 42 | -18 | 78 | 79 | 68 | 31 | 22 | 24 | 25 | 17 | 19 |
| 100 | 41 | 2 | -18 | 48 | 47 | 40 | 31 | 22 | 23 | 23 | 17 | 20 |
| 101 | 42 | 2 | -19 | 21 | 22 | 18 | 21 | 21 | 20 | 20 | 17 | 21 |
| 102 | 42 | 42 | -18 | 26 | 26 | 22 | 25 | 17 | 17 | 17 | 17 | 17 |
| 103 | 42 | 2 | -18 | 63 | 62 | 57 | 24 | 21 | 18 | 18 | 17 | 17 |
| 104 | 43 | 2 | -18 | 85 | 85 | 73 | 27 | 21 | 21 | 21 | 17 | 19 |
| 105 | 43 | 22 | -18 | 66 | 66 | 57 | 30 | 22 | 24 | 24 | 17 | 20 |
| 106 | 43 | 42 | -18 | 66 | 66 | 57 | 30 | 22 | 24 | 24 | 17 | 20 |
| 107 | 44 | 2 | -19 | 38 | 39 | 32 | 30 | 23 | 22 | 22 | 18 | 21 |
| 108 | 44 | 22 | -19 | 26 | 29 | 25 | 27 | 22 | 20 | 20 | 17 | 20 |
| 109 | 44 | 42 | -19 | 60 | 58 | 54 | 26 | 22 | 18 | 18 | 18 | 19 |
| 110 | 45 | 2 | -19 | 64 | 64 | 76 | 26 | 23 | 21 | 22 | 17 | 20 |
| 111 | 45 | 22 | -19 | 68 | 67 | 58 | 30 | 23 | 24 | 24 | 18 | 21 |
| 112 | 45 | 42 | -20 | 40 | 41 | 34 | 30 | 22 | 23 | 23 | 18 | 22 |
| 113 | 46 | 2 | -20 | 20 | 22 | 18 | 27 | 22 | 20 | 20 | 17 | 22 |
| 114 | 46 | 22 | -20 | 46 | 45 | 41 | 25 | 23 | 18 | 19 | 17 | 19 |
| 115 | 49 | 8 | -19 | 21 | 22 | 19 | 25 | 22 | 18 | 18 | 17 | 17 |
| 116 | 49 | 28 | -20 | 51 | 49 | 45 | 24 | 21 | 17 | 17 | 17 | 16 |
| 117 | 49 | 48 | -19 | 60 | 60 | 60 | 26 | 19 | 19 | 17 | 16 | 16 |
| 118 | 51 | 47 | -18 | 55 | 56 | 48 | 28 | 19 | 22 | 23 | 16 | 17 |
| 119 | 52 | 7 | -19 | 30 | 30 | 26 | 27 | 18 | 21 | 22 | 16 | 16 |
| 120 | 52 | 27 | -19 | 28 | 28 | 25 | 24 | 18 | 19 | 19 | 16 | 16 |
| 121 | 54 | 26 | -18 | 76 | 75 | 66 | 30 | 19 | 24 | 26 | 17 | 15 |
| 122 | 54 | 48 | -18 | 46 | 46 | 39 | 30 | 19 | 25 | 25 | 17 | 19 |
| 123 | 55 | 8 | -19 | 46 | 46 | 39 | 28 | 19 | 22 | 22 | 16 | 18 |
| 124 | 56 | 25 | -17 | 42 | 41 | 36 | 28 | 21 | 22 | 22 | 17 | 18 |
| 125 | 56 | 45 | -18 | 65 | 64 | 58 | 24 | 21 | 21 | 21 | 17 | 18 |
| 126 | 57 | 5 | -17 | 71 | 69 | 61 | 30 | 21 | 23 | 23 | 17 | 17 |
| 127 | 57 | 26 | -17 | 45 | 45 | 38 | 38 | 22 | 23 | 24 | 17 | 18 |
| 128 | 57 | 46 | -18 | 24 | 24 | 21 | 28 | 22 | 21 | 21 | 17 | 18 |
| 129 | 58 | 6 | -17 | 49 | 48 | 43 | 26 | 21 | 19 | 20 | 17 | 17 |
| 130 | 58 | 26 | -16 | 82 | 82 | 76 | 27 | 21 | 23 | 23 | 17 | 18 |
| 131 | 58 | 46 | -16 | 86 | 86 | 76 | 32 | 21 | 25 | 27 | 17 | 18 |
| 132 | 59 | 6 | -16 | 56 | 56 | 48 | 33 | 20 | 27 | 27 | 17 | 18 |
| 133 | 59 | 26 | -17 | 28 | 28 | 24 | 26 | 20 | 25 | 24 | 17 | 18 |
| 134 | 59 | 46 | -17 | 59 | 57 | 51 | 26 | 19 | 21 | 21 | 17 | 17 |
| 135 | 60 | 6 | -17 | 64 | 63 | 58 | 27 | 18 | 22 | 22 | 16 | 16 |
| 136 | 60 | 26 | -16 | 76 | 74 | 66 | 29 | 18 | 22 | 25 | 15 | 15 |
| 137 | 60 | 46 | -17 | 50 | 50 | 43 | 30 | 18 | 24 | 25 | 15 | 16 |
| 138 | 61 | 5 | -17 | 25 | 25 | 22 | 28 | 19 | 22 | 22 | 16 | 16 |
| 139 | 61 | 25 | -18 | 17 | 17 | 15 | 25 | 19 | 18 | 18 | 15 | 15 |
| 140 | 62 | 24 | -18 | 34 | 34 | 29 | 26 | 19 | 19 | 18 | 15 | 15 |
| 141 | 62 | 43 | -18 | 45 | 45 | 40 | 29 | 18 | 20 | 20 | 15 | 15 |
| 142 | 63 | 3 | -18 | 66 | 65 | 58 | 27 | 18 | 22 | 22 | 15 | 15 |
| 143 | 65 | 8 | -20 | 45 | 44 | 39 | 25 | 20 | 19 | 20 | 16 | 16 |
| 144 | 65 | 23 | -19 | 58 | 58 | 60 | 26 | 19 | 20 | 22 | 16 | 16 |
| 145 | 65 | 47 | -20 | 51 | 50 | 43 | 27 | 18 | 22 | 22 | 16 | 16 |
| 146 | 66 | 2 | -20 | 26 | 26 | 21 | 26 | 18 | 21 | 20 | 15 | 16 |

| -01 SKEW COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-05 HEATER | | 3-06 HEATER PLENUM CHAMBER | | 3-07 HEATER MAIN DUCT | | 3-08 HEATER MAIN DUCT | | 3-09 DUCT OUTLET (CRPIT L.S.-1) | | 3-10 DUCT OUTLET (CRPIT R.S.-1) | | 3-11 DUCT OUTLET ST460 | | 3-12 DUCT OUTLET ST460 | | 3-13 PILOTS HEAD LEVEL | | 3-14 PILOTS WAIST LEVEL | |
|----------------------|----------------------|----------------------|----------------|-------------|-------------------------------------|-------------|--------------------------------|----------------|--------------------------------|----------------|---|----------------|---|---------------|---------------------------------|---------------|---------------------------------|------|---------------------------------|------|----------------------------------|------|
| | | | TEMP IN | TEMP OUT | TEMP IN | TEMP OUT | TEMP LS FMO | TEMP RS FMO | TEMP LS FMO | TEMP RS FMO | TEMP L.S.-1 | TEMP R.S.-1 | TEMP ST460 | TEMP ST460 | TEMP ST460 | TEMP ST460 | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP |
| 197 | 85 | | -28 | 75 | 75 | 75 | 65 | 37 | 24 | 24 | 30 | 30 | 31 | 18 | 11 | | | | | | | |
| 198 | 85 | 54 | -26 | 77 | 77 | 77 | 69 | 36 | 25 | 25 | 27 | 27 | 27 | 16 | 12 | | | | | | | |
| 199 | 86 | 14 | -30 | 88 | 88 | 88 | 79 | 36 | 24 | 24 | 25 | 25 | 25 | 18 | 14 | | | | | | | |
| 200 | 86 | 34 | -30 | 71 | 71 | 71 | 62 | 35 | 24 | 24 | 25 | 25 | 25 | 17 | 14 | | | | | | | |
| 201 | 86 | 53 | -28 | 46 | 46 | 46 | 38 | 30 | 22 | 22 | 23 | 23 | 23 | 17 | 13 | | | | | | | |
| 202 | 87 | 13 | -29 | 63 | 63 | 63 | 55 | 31 | 22 | 22 | 21 | 21 | 21 | 16 | 12 | | | | | | | |
| 203 | 87 | 33 | -32 | 59 | 59 | 59 | 49 | 31 | 22 | 22 | 22 | 22 | 22 | 17 | 12 | | | | | | | |
| 204 | 87 | 53 | -33 | 49 | 49 | 49 | 42 | 30 | 23 | 23 | 21 | 21 | 21 | 17 | 13 | | | | | | | |
| 205 | 88 | 13 | -32 | 68 | 68 | 68 | 51 | 31 | 23 | 23 | 20 | 20 | 20 | 17 | 13 | | | | | | | |
| 206 | 88 | 33 | -32 | 85 | 85 | 85 | 77 | 31 | 24 | 24 | 22 | 22 | 22 | 17 | 14 | | | | | | | |
| 207 | 88 | 53 | -31 | 96 | 96 | 96 | 88 | 34 | 24 | 24 | 24 | 24 | 24 | 17 | 15 | | | | | | | |
| 208 | 89 | 13 | -30 | 78 | 78 | 78 | 68 | 36 | 24 | 24 | 26 | 26 | 26 | 17 | 16 | | | | | | | |
| 209 | 89 | 33 | -32 | 53 | 53 | 53 | 44 | 34 | 24 | 24 | 24 | 24 | 24 | 17 | 14 | | | | | | | |
| 210 | 89 | 52 | -32 | 67 | 67 | 67 | 59 | 33 | 24 | 24 | 23 | 23 | 23 | 16 | 17 | | | | | | | |
| 211 | 90 | 12 | -33 | 49 | 49 | 49 | 40 | 33 | 24 | 24 | 22 | 22 | 22 | 17 | 17 | | | | | | | |
| 212 | 90 | 32 | -33 | 36 | 36 | 36 | 29 | 29 | 24 | 24 | 19 | 19 | 19 | 17 | 17 | | | | | | | |
| 213 | 90 | 52 | -33 | 56 | 56 | 56 | 50 | 28 | 24 | 24 | 17 | 17 | 17 | 17 | 17 | | | | | | | |
| 214 | 91 | 12 | -32 | 78 | 78 | 78 | 71 | 30 | 24 | 24 | 19 | 19 | 19 | 17 | 16 | | | | | | | |
| 215 | 91 | 32 | -31 | 91 | 91 | 91 | 83 | 32 | 23 | 23 | 22 | 22 | 22 | 17 | 16 | | | | | | | |
| 216 | 91 | 52 | -32 | 78 | 78 | 78 | 68 | 34 | 24 | 24 | 24 | 24 | 24 | 17 | 15 | | | | | | | |
| 217 | 92 | 12 | -32 | 42 | 42 | 42 | 34 | 34 | 24 | 24 | 24 | 24 | 24 | 17 | 17 | | | | | | | |
| 218 | 92 | 31 | -33 | 53 | 53 | 53 | 45 | 31 | 24 | 24 | 20 | 20 | 20 | 18 | 17 | | | | | | | |
| 219 | 92 | 51 | -33 | 73 | 73 | 73 | 65 | 31 | 24 | 24 | 21 | 21 | 21 | 17 | 16 | | | | | | | |
| 220 | 93 | 11 | -31 | 56 | 56 | 56 | 47 | 31 | 24 | 24 | 22 | 22 | 22 | 17 | 16 | | | | | | | |
| 221 | 93 | 31 | -30 | 61 | 61 | 61 | 54 | 30 | 24 | 24 | 24 | 24 | 24 | 17 | 16 | | | | | | | |
| 222 | 93 | 51 | -31 | 55 | 55 | 55 | 55 | 31 | 24 | 24 | 22 | 22 | 22 | 17 | 14 | | | | | | | |
| 223 | 94 | 11 | -32 | 34 | 34 | 34 | 27 | 30 | 24 | 24 | 21 | 21 | 21 | 17 | 13 | | | | | | | |
| 224 | 94 | 30 | -32 | 46 | 46 | 46 | 39 | 28 | 23 | 23 | 18 | 18 | 18 | 17 | 12 | | | | | | | |
| 225 | 94 | 50 | -31 | 70 | 70 | 70 | 69 | 29 | 23 | 23 | 19 | 19 | 19 | 17 | 11 | | | | | | | |
| 226 | 95 | 10 | -30 | 78 | 78 | 78 | 69 | 31 | 23 | 23 | 22 | 22 | 22 | 17 | 12 | | | | | | | |
| 227 | 95 | 30 | -31 | 48 | 48 | 48 | 49 | 31 | 24 | 24 | 22 | 22 | 22 | 18 | 12 | | | | | | | |
| 228 | 95 | 49 | -31 | 56 | 56 | 56 | 49 | 29 | 24 | 24 | 21 | 21 | 21 | 18 | 12 | | | | | | | |
| 229 | 96 | 9 | -30 | 76 | 76 | 76 | 68 | 31 | 24 | 24 | 20 | 20 | 20 | 18 | 12 | | | | | | | |
| 230 | 96 | 29 | -31 | 64 | 64 | 64 | 55 | 33 | 24 | 24 | 22 | 22 | 22 | 18 | 12 | | | | | | | |
| 231 | 96 | 49 | -31 | 64 | 64 | 64 | 56 | 33 | 24 | 24 | 22 | 22 | 22 | 18 | 13 | | | | | | | |
| 232 | 97 | 8 | -32 | 54 | 54 | 54 | 46 | 34 | 24 | 24 | 22 | 22 | 22 | 18 | 14 | | | | | | | |
| 233 | 97 | 28 | -30 | 43 | 43 | 43 | 41 | 31 | 24 | 24 | 20 | 20 | 20 | 18 | 14 | | | | | | | |
| 234 | 97 | 48 | -25 | 71 | 71 | 71 | 64 | 30 | 25 | 25 | 21 | 21 | 21 | 18 | 14 | | | | | | | |
| 235 | 98 | 8 | -24 | 52 | 52 | 52 | 45 | 31 | 24 | 24 | 22 | 22 | 22 | 18 | 15 | | | | | | | |
| 236 | 98 | 28 | -22 | 46 | 46 | 46 | 40 | 28 | 24 | 24 | 20 | 20 | 20 | 18 | 15 | | | | | | | |
| 237 | 98 | 48 | -25 | 69 | 69 | 69 | 62 | 28 | 23 | 23 | 19 | 19 | 19 | 18 | 15 | | | | | | | |
| 238 | 99 | 7 | -28 | 88 | 88 | 88 | 81 | 30 | 23 | 23 | 21 | 21 | 21 | 18 | 15 | | | | | | | |
| 239 | 99 | 27 | -26 | 101 | 101 | 101 | 93 | 35 | 24 | 24 | 24 | 24 | 24 | 18 | 16 | | | | | | | |
| 240 | 99 | 47 | -28 | 108 | 108 | 108 | 99 | 39 | 27 | 27 | 27 | 27 | 27 | 18 | 17 | | | | | | | |
| 241 | 100 | 7 | -29 | 107 | 107 | 107 | 104 | 40 | 24 | 24 | 29 | 29 | 29 | 19 | 18 | | | | | | | |
| 242 | 100 | 27 | -30 | 70 | 70 | 70 | 60 | 41 | 25 | 25 | 25 | 25 | 25 | 19 | 18 | | | | | | | |
| 243 | 100 | 47 | -32 | 28 | 28 | 28 | 29 | 36 | 25 | 25 | 25 | 25 | 25 | 19 | 18 | | | | | | | |
| 244 | 101 | 6 | -32 | 31 | 31 | 31 | 27 | 30 | 25 | 25 | 19 | 19 | 19 | 17 | 17 | | | | | | | |
| 245 | 101 | 26 | -33 | 58 | 58 | 58 | 52 | 27 | 24 | 24 | 18 | 18 | 18 | 18 | 17 | | | | | | | |
| 246 | 101 | 46 | -32 | 74 | 74 | 74 | 71 | 29 | 24 | 24 | 19 | 19 | 19 | 18 | 18 | | | | | | | |

| SWING COUNT | 3-02 TIME MIN. | 3-01 TIME SEC. | 3-05 HEATER | | 3-06 HEATER PLENUM CHAMBER | | 3-07 HEATER MAIN DIST. | | 3-08 HEATER MAIN DIST. | | 3-09 DIST. DUCT OUTLET | | 3-10 DIST. DUCT OUTLET | | 3-11 DIST. DUCT OUTLET | | 3-12 DIST. DUCT OUTLET | | 3-13 PILOTS HEAD LEVEL | | 3-14 PILOTS WAIST LEVEL | | | |
|----------------|----------------------|----------------------|----------------|-------------|-------------------------------------|--------------|---------------------------------|----------------|---------------------------------|---------------|---------------------------------|-----------------|---------------------------------|---------------|---------------------------------|---------------|---------------------------------|---------------|---------------------------------|---------------|----------------------------------|---------------|---------------|---------------|
| | | | TEMP DEG.C | IN DEG.C | TEMP DEG.C | OUT DEG.C | TEMP DEG.C | DIST. DEG.C | DUCT DEG.C | TEMP DEG.C | PS FWD DEG.C | LS FWD DEG.C | TEMP DEG.C | DUCT DEG.C | TEMP DEG.C | DUCT DEG.C | TEMP DEG.C | DUCT DEG.C | TEMP DEG.C | DUCT DEG.C | TEMP DEG.C | DUCT DEG.C | TEMP DEG.C | DUCT DEG.C |
| 247 | 102 | 6 | -37 | | 88 | | 90 | | 82 | | 33 | | 25 | | 22 | | 22 | | 18 | | 15 | | 15 | |
| 248 | 102 | 26 | -31 | | 62 | | 63 | | 53 | | 34 | | 25 | | 24 | | 24 | | 18 | | 17 | | 17 | |
| 249 | 102 | 45 | -32 | | 34 | | 34 | | 27 | | 32 | | 24 | | 21 | | 20 | | 19 | | 19 | | 17 | |
| 250 | 103 | 5 | -31 | | 53 | | 52 | | 45 | | 29 | | 25 | | 19 | | 18 | | 18 | | 18 | | 16 | |
| 251 | 103 | 25 | -30 | | 75 | | 75 | | 64 | | 29 | | 24 | | 18 | | 20 | | 18 | | 18 | | 14 | |
| 252 | 103 | 45 | -31 | | 91 | | 90 | | 82 | | 32 | | 25 | | 21 | | 22 | | 17 | | 17 | | 14 | |
| 253 | 104 | 5 | -30 | | 99 | | 100 | | 91 | | 35 | | 24 | | 24 | | 25 | | 18 | | 18 | | 16 | |
| 254 | 104 | 24 | -30 | | 100 | | 100 | | 90 | | 36 | | 25 | | 27 | | 27 | | 19 | | 19 | | 16 | |
| 255 | 104 | 44 | -30 | | 62 | | 62 | | 52 | | 35 | | 26 | | 26 | | 26 | | 19 | | 19 | | 18 | |
| 256 | 105 | 4 | -32 | | 59 | | 58 | | 50 | | 34 | | 25 | | 22 | | 22 | | 18 | | 18 | | 16 | |
| 257 | 105 | 24 | -31 | | 76 | | 75 | | 67 | | 33 | | 25 | | 22 | | 23 | | 18 | | 18 | | 16 | |
| 258 | 105 | 43 | -31 | | 76 | | 77 | | 67 | | 35 | | 25 | | 23 | | 24 | | 19 | | 19 | | 18 | |
| 259 | 106 | 3 | -32 | | 37 | | 37 | | 32 | | 35 | | 24 | | 24 | | 25 | | 19 | | 19 | | 20 | |
| 260 | 106 | 23 | -33 | | 14 | | 16 | | 12 | | 31 | | 25 | | 19 | | 19 | | 19 | | 19 | | 21 | |
| 261 | 106 | 43 | -32 | | 41 | | 39 | | 35 | | 27 | | 25 | | 17 | | 17 | | 18 | | 18 | | 19 | |
| 262 | 107 | 3 | -32 | | 67 | | 67 | | 60 | | 28 | | 25 | | 17 | | 18 | | 18 | | 18 | | 19 | |
| 263 | 107 | 22 | -30 | | 64 | | 64 | | 55 | | 31 | | 25 | | 20 | | 21 | | 18 | | 18 | | 20 | |
| 264 | 107 | 42 | -31 | | 29 | | 30 | | 23 | | 31 | | 24 | | 19 | | 19 | | 18 | | 18 | | 20 | |
| 265 | 108 | 2 | -30 | | 29 | | 29 | | 24 | | 26 | | 24 | | 17 | | 17 | | 18 | | 18 | | 20 | |
| 266 | 108 | 22 | -25 | | 60 | | 60 | | 52 | | 26 | | 24 | | 16 | | 17 | | 17 | | 17 | | 19 | |
| 269 | 109 | 21 | -24 | | 64 | | 64 | | 56 | | 31 | | 24 | | 22 | | 23 | | 18 | | 18 | | 14 | |
| 270 | 109 | 41 | -23 | | 93 | | 93 | | 82 | | 32 | | 24 | | 23 | | 25 | | 19 | | 19 | | 14 | |
| 271 | 110 | 0 | -24 | | 61 | | 60 | | 51 | | 34 | | 24 | | 24 | | 25 | | 19 | | 19 | | 17 | |
| 272 | 110 | 20 | -26 | | 49 | | 49 | | 42 | | 33 | | 24 | | 23 | | 24 | | 19 | | 19 | | 18 | |
| 273 | 110 | 48 | -30 | | 67 | | 67 | | 59 | | 32 | | 24 | | 23 | | 24 | | 19 | | 19 | | 18 | |
| 274 | 110 | 59 | -32 | | 53 | | 52 | | 44 | | 33 | | 25 | | 24 | | 25 | | 20 | | 20 | | 21 | |
| 275 | 111 | 19 | -30 | | 30 | | 30 | | 24 | | 31 | | 24 | | 21 | | 22 | | 19 | | 19 | | 21 | |
| 276 | 111 | 39 | -32 | | 51 | | 49 | | 44 | | 29 | | 24 | | 19 | | 20 | | 18 | | 18 | | 21 | |
| 277 | 111 | 59 | -31 | | 69 | | 71 | | 64 | | 38 | | 24 | | 20 | | 23 | | 18 | | 18 | | 21 | |
| 278 | 112 | 18 | -29 | | 50 | | 53 | | 45 | | 31 | | 25 | | 22 | | 23 | | 19 | | 19 | | 21 | |
| 279 | 112 | 38 | -26 | | 27 | | 39 | | 24 | | 29 | | 24 | | 19 | | 20 | | 19 | | 19 | | 21 | |
| 280 | 112 | 58 | -29 | | 56 | | 62 | | 56 | | 30 | | 24 | | 19 | | 21 | | 18 | | 18 | | 28 | |
| 281 | 113 | 18 | -27 | | 78 | | 82 | | 75 | | 32 | | 25 | | 21 | | 23 | | 18 | | 18 | | 21 | |
| 282 | 113 | 37 | -31 | | 54 | | 55 | | 47 | | 33 | | 24 | | 23 | | 25 | | 19 | | 19 | | 21 | |
| 283 | 113 | 57 | -33 | | 49 | | 49 | | 42 | | 31 | | 24 | | 22 | | 23 | | 18 | | 18 | | 21 | |
| 284 | 114 | 17 | -33 | | 69 | | 69 | | 61 | | 31 | | 24 | | 21 | | 23 | | 19 | | 19 | | 17 | |
| 285 | 114 | 36 | -33 | | 63 | | 63 | | 54 | | 32 | | 24 | | 22 | | 25 | | 19 | | 19 | | 16 | |
| 285 | 114 | 56 | -28 | | 44 | | 46 | | 39 | | 31 | | 24 | | 22 | | 23 | | 18 | | 18 | | 16 | |
| 287 | 115 | 16 | -30 | | 65 | | 64 | | 58 | | 30 | | 25 | | 21 | | 22 | | 19 | | 19 | | 15 | |
| 288 | 115 | 35 | -30 | | 63 | | 62 | | 55 | | 32 | | 24 | | 22 | | 24 | | 19 | | 19 | | 16 | |
| 289 | 115 | 55 | -32 | | 59 | | 58 | | 51 | | 32 | | 24 | | 22 | | 22 | | 19 | | 19 | | 16 | |
| 290 | 116 | 15 | -31 | | 54 | | 54 | | 46 | | 31 | | 24 | | 21 | | 22 | | 18 | | 18 | | 16 | |
| 291 | 116 | 35 | -32 | | 60 | | 60 | | 53 | | 31 | | 24 | | 21 | | 22 | | 19 | | 19 | | 17 | |
| 292 | 116 | 54 | -32 | | 62 | | 62 | | 61 | | 30 | | 22 | | 22 | | 22 | | 18 | | 18 | | 16 | |
| 293 | 117 | 14 | -33 | | 51 | | 47 | | 40 | | 31 | | 23 | | 21 | | 21 | | 19 | | 19 | | 15 | |
| 294 | 117 | 33 | -33 | | 61 | | 58 | | 52 | | 29 | | 23 | | 20 | | 21 | | 18 | | 18 | | 13 | |
| 295 | 117 | 53 | -32 | | 77 | | 74 | | 66 | | 32 | | 23 | | 22 | | 23 | | 19 | | 19 | | 14 | |
| 296 | 118 | 12 | -35 | | 45 | | 45 | | 38 | | 32 | | 23 | | 22 | | 23 | | 18 | | 18 | | 13 | |
| 297 | 118 | 32 | -33 | | 40 | | 40 | | 35 | | 29 | | 22 | | 19 | | 19 | | 18 | | 18 | | 13 | |
| 298 | 118 | 51 | -28 | | 59 | | 57 | | 50 | | 29 | | 23 | | 19 | | 19 | | 19 | | 19 | | 14 | |

| -01 SHEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER PLENUM CHMBER TEMP OUT DEG.C | 3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C | 3-08 HEATER MAIN DIST. DUCT PS FWD DEG.C | 3-09 DIST. DUCT OUTLET CKPIT L.S.P DEG.C | 3-10 DIST. DUCT OUTLET CKPIT P.S.P DEG.C | 3-11 DIST. DUCT OUTLET STA460 -470KS DEG.C | 3-12 DIST. DUCT OUTLET STA460 -470KS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS MAISI LEVEL AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|--|--|--|--|--|--|--|---|--|
| 299 | 119 | 11 | -23 | 68 | 66 | 59 | 29 | 22 | 20 | 20 | 17 | 14 |
| 300 | 119 | 31 | -25 | 86 | 85 | 78 | 31 | 23 | 22 | 22 | 18 | 14 |
| 301 | 119 | 50 | -24 | 101 | 99 | 91 | 34 | 23 | 24 | 26 | 19 | 14 |
| 302 | 120 | 10 | -26 | 108 | 107 | 98 | 38 | 24 | 27 | 29 | 20 | 15 |
| 303 | 120 | 29 | -24 | 114 | 114 | 105 | 40 | 25 | 31 | 33 | 21 | 15 |
| 304 | 120 | 49 | -27 | 113 | 112 | 103 | 42 | 25 | 33 | 35 | 21 | 15 |
| 305 | 121 | 8 | -30 | 79 | 78 | 69 | 43 | 27 | 33 | 34 | 22 | 17 |
| 306 | 121 | 28 | -32 | 63 | 62 | 54 | 39 | 27 | 32 | 32 | 23 | 17 |
| 307 | 121 | 47 | -32 | 58 | 56 | 49 | 36 | 28 | 30 | 32 | 22 | 17 |
| 308 | 122 | 7 | -31 | 55 | 53 | 47 | 33 | 28 | 28 | 28 | 22 | 16 |
| 310 | 122 | 26 | -30 | 51 | 49 | 44 | 30 | 28 | 25 | 25 | 22 | 15 |
| 311 | 122 | 46 | -28 | 47 | 45 | 41 | 27 | 27 | 21 | 22 | 21 | 14 |
| 312 | 123 | 5 | -26 | 46 | 44 | 40 | 25 | 26 | 20 | 19 | 20 | 12 |

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

| SPEED COUNT | 3-20 TIME MIN. | 3-19 TIME SEC. | 3-15 PILOTS | | 3-16 PILOTS | | 3-17 CO-PLY | | 3-18 CO-PLY | | 3-19 CO-PLY | | 3-20 CO-PLY | | 3-21 CARGO | | 3-22 CARGO | | 3-23 CARGO | | 3-24 CARGO | | | | | |
|----------------|----------------------|----------------------|----------------|----------------------|----------------|----------------------|----------------|---------------|----------------|----------------------|----------------|----------------|----------------|----------------------|---------------|-----------------------|---------------|---------------|---------------|-------------|---------------|---------------|-----------------------|-------------|---------------|-----------------------|
| | | | FOOT LEVEL | AIR TEMP DEG.C | FOOT LEVEL | AIR TEMP DEG.C | FOOT LEVEL | HEAD LEVEL | FOOT LEVEL | AIR TEMP DEG.C | FOOT LEVEL | WAIST LEVEL | FOOT LEVEL | AIR TEMP DEG.C | FOOT LEVEL | MASS TEMP DEG.C | FOOT LEVEL | HEAD LEVEL | AREA FWD | AREA FWD | AREA FWD | FOOT LEVEL | MASS TEMP DEG.C | AREA FWD | FOOT LEVEL | MASS TEMP DEG.C |
| 96 | 43 | 22 | 16 | 7 | 21 | 25 | 14 | 5 | 19 | 10 | 19 | 10 | 5 | 19 | 10 | 5 | 19 | 10 | 5 | 19 | 10 | 5 | 19 | 10 | 5 | 19 |
| 97 | 40 | 22 | 15 | 7 | 19 | 24 | 17 | 4 | 19 | 7 | 17 | 4 | 4 | 19 | 7 | 17 | 4 | 4 | 19 | 7 | 17 | 4 | 4 | 19 | 7 | 17 |
| 99 | 41 | 22 | 15 | 7 | 22 | 26 | 14 | 4 | 39 | 16 | 39 | 16 | 4 | 4 | 39 | 16 | 4 | 4 | 39 | 16 | 4 | 4 | 39 | 16 | 4 | 4 |
| 100 | 41 | 42 | 15 | 5 | 24 | 29 | 19 | 4 | 29 | 19 | 19 | 4 | 4 | 29 | 19 | 19 | 4 | 4 | 29 | 19 | 19 | 4 | 4 | 29 | 19 | 19 |
| 101 | 42 | 2 | 17 | 7 | 24 | 29 | 20 | 4 | 28 | 20 | 28 | 4 | 4 | 28 | 20 | 28 | 4 | 4 | 28 | 20 | 28 | 4 | 4 | 28 | 20 | 28 |
| 102 | 42 | 22 | 15 | 4 | 22 | 28 | 19 | 4 | 18 | 19 | 18 | 4 | 4 | 18 | 19 | 18 | 4 | 4 | 18 | 19 | 18 | 4 | 4 | 18 | 19 | 18 |
| 103 | 42 | 15 | 15 | 6 | 21 | 25 | 18 | 4 | 19 | 18 | 19 | 4 | 4 | 19 | 18 | 19 | 4 | 4 | 19 | 18 | 19 | 4 | 4 | 19 | 18 | 19 |
| 104 | 43 | 2 | 14 | 5 | 20 | 24 | 17 | 4 | 29 | 17 | 29 | 4 | 4 | 29 | 17 | 29 | 4 | 4 | 29 | 17 | 29 | 4 | 4 | 29 | 17 | 29 |
| 105 | 43 | 22 | 15 | 6 | 21 | 26 | 18 | 4 | 37 | 16 | 37 | 4 | 4 | 37 | 16 | 37 | 4 | 4 | 37 | 16 | 37 | 4 | 4 | 37 | 16 | 37 |
| 106 | 43 | 42 | 15 | 6 | 23 | 27 | 19 | 4 | 33 | 17 | 33 | 4 | 4 | 33 | 17 | 33 | 4 | 4 | 33 | 17 | 33 | 4 | 4 | 33 | 17 | 33 |
| 107 | 44 | 2 | 15 | 7 | 23 | 28 | 20 | 4 | 24 | 20 | 24 | 4 | 4 | 24 | 20 | 24 | 4 | 4 | 24 | 20 | 24 | 4 | 4 | 24 | 20 | 24 |
| 108 | 44 | 22 | 15 | 6 | 22 | 25 | 19 | 4 | 21 | 11 | 21 | 4 | 4 | 21 | 11 | 21 | 4 | 4 | 21 | 11 | 21 | 4 | 4 | 21 | 11 | 21 |
| 109 | 44 | 42 | 15 | 6 | 21 | 25 | 18 | 4 | 29 | 11 | 29 | 4 | 4 | 29 | 11 | 29 | 4 | 4 | 29 | 11 | 29 | 4 | 4 | 29 | 11 | 29 |
| 110 | 45 | 2 | 15 | 7 | 22 | 26 | 19 | 4 | 36 | 17 | 36 | 4 | 4 | 36 | 17 | 36 | 4 | 4 | 36 | 17 | 36 | 4 | 4 | 36 | 17 | 36 |
| 111 | 45 | 22 | 15 | 7 | 24 | 28 | 20 | 4 | 34 | 18 | 34 | 4 | 4 | 34 | 18 | 34 | 4 | 4 | 34 | 18 | 34 | 4 | 4 | 34 | 18 | 34 |
| 112 | 45 | 42 | 15 | 7 | 24 | 29 | 20 | 4 | 26 | 16 | 26 | 4 | 4 | 26 | 16 | 26 | 4 | 4 | 26 | 16 | 26 | 4 | 4 | 26 | 16 | 26 |
| 113 | 46 | 2 | 15 | 6 | 22 | 27 | 19 | 4 | 19 | 11 | 19 | 4 | 4 | 19 | 11 | 19 | 4 | 4 | 19 | 11 | 19 | 4 | 4 | 19 | 11 | 19 |
| 114 | 46 | 22 | 14 | 7 | 22 | 25 | 18 | 4 | 29 | 10 | 29 | 4 | 4 | 29 | 10 | 29 | 4 | 4 | 29 | 10 | 29 | 4 | 4 | 29 | 10 | 29 |
| 115 | 49 | 8 | 14 | 6 | 22 | 24 | 19 | 4 | 18 | 9 | 18 | 4 | 4 | 18 | 9 | 18 | 4 | 4 | 18 | 9 | 18 | 4 | 4 | 18 | 9 | 18 |
| 116 | 49 | 28 | 14 | 7 | 20 | 24 | 18 | 4 | 26 | 9 | 26 | 4 | 4 | 26 | 9 | 26 | 4 | 4 | 26 | 9 | 26 | 4 | 4 | 26 | 9 | 26 |
| 117 | 49 | 48 | 14 | 7 | 22 | 25 | 17 | 4 | 31 | 15 | 31 | 4 | 4 | 31 | 15 | 31 | 4 | 4 | 31 | 15 | 31 | 4 | 4 | 31 | 15 | 31 |
| 118 | 51 | 47 | 14 | 6 | 22 | 25 | 14 | 4 | 29 | 15 | 29 | 4 | 4 | 29 | 15 | 29 | 4 | 4 | 29 | 15 | 29 | 4 | 4 | 29 | 15 | 29 |
| 119 | 52 | 7 | 14 | 6 | 22 | 26 | 14 | 4 | 21 | 11 | 21 | 4 | 4 | 21 | 11 | 21 | 4 | 4 | 21 | 11 | 21 | 4 | 4 | 21 | 11 | 21 |
| 120 | 52 | 27 | 12 | 6 | 22 | 25 | 18 | 4 | 19 | 6 | 19 | 4 | 4 | 19 | 6 | 19 | 4 | 4 | 19 | 6 | 19 | 4 | 4 | 19 | 6 | 19 |
| 121 | 54 | 26 | 14 | 5 | 24 | 27 | 19 | 4 | 35 | 20 | 35 | 4 | 4 | 35 | 20 | 35 | 4 | 4 | 35 | 20 | 35 | 4 | 4 | 35 | 20 | 35 |
| 122 | 54 | 48 | 13 | 5 | 24 | 28 | 20 | 4 | 27 | 16 | 27 | 4 | 4 | 27 | 16 | 27 | 4 | 4 | 27 | 16 | 27 | 4 | 4 | 27 | 16 | 27 |
| 123 | 55 | 8 | 12 | 5 | 22 | 27 | 18 | 4 | 18 | 11 | 18 | 4 | 4 | 18 | 11 | 18 | 4 | 4 | 18 | 11 | 18 | 4 | 4 | 18 | 11 | 18 |
| 124 | 56 | 25 | 14 | 5 | 22 | 27 | 19 | 4 | 25 | 12 | 25 | 4 | 4 | 25 | 12 | 25 | 4 | 4 | 25 | 12 | 25 | 4 | 4 | 25 | 12 | 25 |
| 125 | 56 | 45 | 14 | 5 | 22 | 27 | 18 | 4 | 31 | 12 | 31 | 4 | 4 | 31 | 12 | 31 | 4 | 4 | 31 | 12 | 31 | 4 | 4 | 31 | 12 | 31 |
| 126 | 57 | 5 | 13 | 4 | 22 | 28 | 20 | 4 | 33 | 15 | 33 | 4 | 4 | 33 | 15 | 33 | 4 | 4 | 33 | 15 | 33 | 4 | 4 | 33 | 15 | 33 |
| 127 | 57 | 26 | 14 | 6 | 23 | 28 | 21 | 4 | 27 | 13 | 27 | 4 | 4 | 27 | 13 | 27 | 4 | 4 | 27 | 13 | 27 | 4 | 4 | 27 | 13 | 27 |
| 128 | 57 | 46 | 14 | 5 | 22 | 27 | 20 | 4 | 19 | 6 | 19 | 4 | 4 | 19 | 6 | 19 | 4 | 4 | 19 | 6 | 19 | 4 | 4 | 19 | 6 | 19 |
| 129 | 58 | 6 | 13 | 5 | 22 | 25 | 19 | 4 | 26 | 11 | 26 | 4 | 4 | 26 | 11 | 26 | 4 | 4 | 26 | 11 | 26 | 4 | 4 | 26 | 11 | 26 |
| 130 | 58 | 26 | 13 | 5 | 22 | 26 | 19 | 4 | 36 | 14 | 36 | 4 | 4 | 36 | 14 | 36 | 4 | 4 | 36 | 14 | 36 | 4 | 4 | 36 | 14 | 36 |
| 131 | 58 | 46 | 13 | 5 | 24 | 28 | 20 | 4 | 39 | 16 | 39 | 4 | 4 | 39 | 16 | 39 | 4 | 4 | 39 | 16 | 39 | 4 | 4 | 39 | 16 | 39 |
| 132 | 59 | 6 | 14 | 5 | 25 | 29 | 21 | 4 | 31 | 19 | 31 | 4 | 4 | 31 | 19 | 31 | 4 | 4 | 31 | 19 | 31 | 4 | 4 | 31 | 19 | 31 |
| 133 | 59 | 26 | 14 | 5 | 25 | 29 | 20 | 4 | 21 | 13 | 21 | 4 | 4 | 21 | 13 | 21 | 4 | 4 | 21 | 13 | 21 | 4 | 4 | 21 | 13 | 21 |
| 134 | 59 | 46 | 13 | 6 | 25 | 27 | 18 | 4 | 20 | 10 | 20 | 4 | 4 | 20 | 10 | 20 | 4 | 4 | 20 | 10 | 20 | 4 | 4 | 20 | 10 | 20 |
| 135 | 60 | 6 | 12 | 5 | 22 | 26 | 18 | 4 | 31 | 12 | 31 | 4 | 4 | 31 | 12 | 31 | 4 | 4 | 31 | 12 | 31 | 4 | 4 | 31 | 12 | 31 |
| 136 | 60 | 26 | 13 | 5 | 23 | 28 | 18 | 4 | 34 | 16 | 34 | 4 | 4 | 34 | 16 | 34 | 4 | 4 | 34 | 16 | 34 | 4 | 4 | 34 | 16 | 34 |
| 137 | 60 | 46 | 13 | 5 | 24 | 28 | 19 | 4 | 26 | 11 | 26 | 4 | 4 | 26 | 11 | 26 | 4 | 4 | 26 | 11 | 26 | 4 | 4 | 26 | 11 | 26 |
| 138 | 61 | 5 | 14 | 5 | 23 | 27 | 19 | 4 | 19 | 6 | 19 | 4 | 4 | 19 | 6 | 19 | 4 | 4 | 19 | 6 | 19 | 4 | 4 | 19 | 6 | 19 |
| 139 | 61 | 25 | 13 | 4 | 20 | 24 | 18 | 4 | 16 | 10 | 16 | 4 | 4 | 16 | 10 | 16 | 4 | 4 | 16 | 10 | 16 | 4 | 4 | 16 | 10 | 16 |
| 140 | 62 | 24 | 13 | 5 | 20 | 23 | 18 | 4 | 22 | 14 | 22 | 4 | 4 | 22 | 14 | 22 | 4 | 4 | 22 | 14 | 22 | 4 | 4 | 22 | 14 | 22 |
| 141 | 62 | 43 | 13 | 5 | 19 | 23 | 19 | 4 | 25 | 15 | 25 | 4 | 4 | 25 | 15 | 25 | 4 | 4 | 25 | 15 | 25 | 4 | 4 | 25 | 15 | 25 |
| 142 | 63 | 3 | 12 | 4 | 19 | 23 | 19 | 4 | 30 | 16 | 30 | 4 | 4 | 30 | 16 | 30 | 4 | 4 | 30 | 16 | 30 | 4 | 4 | 30 | 16 | 30 |
| 143 | 65 | 3 | 13 | 4 | 23 | 24 | 19 | 4 | 25 | 10 | 25 | 4 | 4 | 25 | 10 | 25 | 4 | 4 | 25 | 10 | 25 | 4 | 4 | 25 | 10 | 25 |
| 144 | 65 | 23 | 12 | 5 | 21 | 25 | 20 | 4 | 28 | 14 | 28 | 4 | 4 | 28 | 14 | 28 | 4 | 4 | 28 | 14 | 28 | 4 | 4 | 28 | 14 | 28 |
| 145 | 65 | 43 | 12 | 4 | 22 | 25 | 21 | 4 | 21 | 15 | 21 | 4 | 4 | 21 | 15 | 21 | 4 | 4 | 21 | 15 | 21 | 4 | 4 | 21 | 15 | 21 |
| 146 | 65 | 2 | 12 | 5 | 21 | 25 | 20 | 4 | 19 | 11 | 19 | 4 | 4 | 19 | 11 | 19 | 4 | 4 | 19 | 11 | 19 | 4 | 4 | 19 | 11 | 19 |

| TIME MIN. | TIME SEC. | 3-15 | | 3-16 | | 3-17 | | 3-18 | | 3-19 | | 3-20 | | 3-21 | | 3-22 | | 3-23 | | 3-24 | |
|--------------|--------------|---|---|---|---|--|---|--|--|---|--|---|--|---|--|---|--|------|--|------|--|
| | | PILOTS FOOT LEVEL AIR TEMP DEG.C | PILOTS FLOOR MASS AIR TEMP DEG.C | CO-PLY LEVEL AIR TEMP DEG.C | CO-PLY HEAD LEVEL AIR TEMP DEG.C | CO-PLY MAIST LEVEL AIR TEMP DEG.C | CO-PLY FOOT LEVEL AIR TEMP DEG.C | CO-PLY FLOOR MASS TEMP NEG.C | CARGO AREA FWD HEAD LEVEL DEG.C | CARGO AREA FWD MAIST LEVEL DEG.C | CARGO AREA FWD FOOT LEVEL DEG.C | CARGO AREA FWD MAIST LEVEL DEG.C | CARGO AREA FWD FOOT LEVEL DEG.C | CARGO AREA FWD MAIST LEVEL DEG.C | CARGO AREA FWD FOOT LEVEL DEG.C | CARGO AREA FWD MAIST LEVEL DEG.C | CARGO AREA FWD FOOT LEVEL DEG.C | | | | |
| 137 | 47 | 9 | 7 | 26 | 32 | 11 | 4 | 37 | 20 | -2 | -10 | | | | | | | | | | |
| 134 | 54 | 11 | 7 | 25 | 31 | 13 | 4 | 36 | 15 | -3 | -10 | | | | | | | | | | |
| 192 | 14 | 11 | 7 | 25 | 30 | 13 | 4 | 37 | 16 | -2 | -10 | | | | | | | | | | |
| 200 | 34 | 11 | 7 | 24 | 30 | 14 | 4 | 31 | 13 | 0 | -10 | | | | | | | | | | |
| 281 | 46 | 9 | 6 | 23 | 29 | 14 | 4 | 25 | 10 | 0 | -10 | | | | | | | | | | |
| 202 | 47 | 7 | 5 | 22 | 27 | 11 | 3 | 32 | 12 | 1 | -10 | | | | | | | | | | |
| 233 | 47 | 7 | 5 | 22 | 28 | 11 | 3 | 31 | 14 | 2 | -10 | | | | | | | | | | |
| 204 | 47 | 9 | 4 | 22 | 21 | 11 | 3 | 20 | 11 | 1 | -10 | | | | | | | | | | |
| 205 | 48 | 10 | 5 | 21 | 22 | 12 | 3 | 31 | 11 | 1 | -9 | | | | | | | | | | |
| 206 | 48 | 10 | 5 | 21 | 21 | 12 | 2 | 35 | 12 | 2 | -9 | | | | | | | | | | |
| 207 | 53 | 11 | 5 | 23 | 24 | 12 | 3 | 41 | 16 | 4 | -9 | | | | | | | | | | |
| 208 | 53 | 11 | 6 | 24 | 26 | 14 | 3 | 36 | 17 | 2 | -10 | | | | | | | | | | |
| 209 | 53 | 11 | 5 | 24 | 25 | 14 | 2 | 28 | 12 | 3 | -9 | | | | | | | | | | |
| 210 | 52 | 11 | 6 | 23 | 21 | 16 | 2 | 33 | 14 | 4 | -10 | | | | | | | | | | |
| 211 | 12 | 11 | 6 | 23 | 19 | 16 | 2 | 27 | 14 | 2 | -9 | | | | | | | | | | |
| 212 | 32 | 10 | 5 | 22 | 17 | 16 | 3 | 22 | 8 | 1 | -10 | | | | | | | | | | |
| 213 | 52 | 10 | 6 | 21 | 18 | 16 | 3 | 29 | 10 | 1 | -10 | | | | | | | | | | |
| 214 | 12 | 10 | 5 | 21 | 16 | 15 | 3 | 34 | 12 | 0 | -10 | | | | | | | | | | |
| 215 | 32 | 11 | 5 | 22 | 20 | 16 | 3 | 30 | 16 | 0 | -10 | | | | | | | | | | |
| 216 | 51 | 11 | 6 | 24 | 17 | 17 | 3 | 35 | 17 | 0 | -10 | | | | | | | | | | |
| 217 | 12 | 11 | 5 | 23 | 20 | 17 | 3 | 24 | 12 | 0 | -10 | | | | | | | | | | |
| 218 | 31 | 11 | 6 | 22 | 23 | 21 | 3 | 28 | 11 | 0 | -10 | | | | | | | | | | |
| 219 | 51 | 11 | 5 | 22 | 22 | 19 | 4 | 34 | 14 | 0 | -10 | | | | | | | | | | |
| 220 | 11 | 11 | 6 | 22 | 23 | 19 | 4 | 26 | 10 | 0 | -10 | | | | | | | | | | |
| 221 | 31 | 10 | 6 | 22 | 12 | 19 | 4 | 30 | 10 | -1 | -10 | | | | | | | | | | |
| 222 | 51 | 10 | 5 | 22 | 24 | 17 | 4 | 31 | 14 | -2 | -10 | | | | | | | | | | |
| 223 | 11 | 11 | 5 | 22 | 25 | 17 | 4 | 23 | 12 | -0 | -10 | | | | | | | | | | |
| 224 | 30 | 10 | 5 | 21 | 24 | 15 | 4 | 25 | 10 | -0 | -10 | | | | | | | | | | |
| 225 | 50 | 10 | 6 | 21 | 25 | 16 | 4 | 32 | 14 | 0 | -10 | | | | | | | | | | |
| 226 | 10 | 9 | 6 | 22 | 27 | 15 | 4 | 34 | 17 | 0 | -10 | | | | | | | | | | |
| 227 | 30 | 10 | 6 | 22 | 26 | 14 | 4 | 27 | 14 | 3 | -10 | | | | | | | | | | |
| 228 | 49 | 10 | 6 | 22 | 26 | 15 | 4 | 28 | 7 | 6 | -9 | | | | | | | | | | |
| 229 | 9 | 10 | 5 | 23 | 27 | 14 | 4 | 35 | 15 | 5 | -9 | | | | | | | | | | |
| 230 | 29 | 9 | 5 | 23 | 27 | 14 | 4 | 32 | 18 | 4 | -9 | | | | | | | | | | |
| 231 | 49 | 10 | 6 | 24 | 27 | 13 | 4 | 34 | 17 | 4 | -9 | | | | | | | | | | |
| 232 | 8 | 10 | 6 | 24 | 27 | 14 | 4 | 29 | 16 | 4 | -8 | | | | | | | | | | |
| 233 | 24 | 10 | 6 | 24 | 26 | 14 | 4 | 28 | 12 | 3 | -9 | | | | | | | | | | |
| 234 | 48 | 10 | 6 | 26 | 26 | 15 | 4 | 34 | 13 | 2 | -9 | | | | | | | | | | |
| 235 | 8 | 10 | 6 | 24 | 25 | 18 | 4 | 28 | 13 | 1 | -9 | | | | | | | | | | |
| 236 | 28 | 10 | 6 | 22 | 25 | 18 | 4 | 24 | 9 | 0 | -9 | | | | | | | | | | |
| 237 | 48 | 10 | 7 | 21 | 25 | 21 | 5 | 31 | 11 | 0 | -9 | | | | | | | | | | |
| 238 | 7 | 10 | 7 | 21 | 27 | 21 | 5 | 36 | 14 | 0 | -9 | | | | | | | | | | |
| 239 | 27 | 11 | 7 | 22 | 21 | 15 | 5 | 41 | 15 | 0 | -9 | | | | | | | | | | |
| 240 | 47 | 11 | 7 | 25 | 29 | 20 | 5 | 44 | 19 | 0 | -9 | | | | | | | | | | |
| 241 | 100 | 7 | 7 | 24 | 25 | 20 | 6 | 46 | 23 | 1 | -9 | | | | | | | | | | |
| 242 | 27 | 11 | 7 | 27 | 26 | 18 | 6 | 35 | 22 | 2 | -8 | | | | | | | | | | |
| 100 | 47 | 11 | 6 | 26 | 24 | 17 | 6 | 22 | 14 | 1 | -9 | | | | | | | | | | |
| 244 | 6 | 11 | 6 | 24 | 17 | 15 | 5 | 22 | 9 | 0 | -9 | | | | | | | | | | |
| 245 | 101 | 9 | 6 | 23 | 18 | 12 | 6 | 30 | 11 | 0 | -9 | | | | | | | | | | |
| 246 | 46 | 9 | 5 | 22 | 19 | 9 | 5 | 35 | 14 | 0 | -10 | | | | | | | | | | |

| -01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-15 PILOTS | | | 3-16 PILOTS | | | 3-17 CO-PLT | | | 3-18 CO-PLT | | | 3-19 CO-PLT | | | 3-20 CO-PLT | | | 3-21 CARGO | | | 3-22 CARGO | | | 3-23 CARGO | | | 3-24 CARGO | | |
|-----------------------|----------------------|----------------------|----------------|-------------|-------|----------------|-------------|-------|----------------|-------------|-------|----------------|-------------|-------|----------------|-------------|-------|----------------|-------------|-------|---------------|-------------|-------|---------------|---------------|-------------|---------------|-------------|---------------|---------------|-------|--|
| | | | FOOT LEVEL | AIR TEMP | DEG.C | FLOOR MASS | AIR TEMP | DEG.C | HEAD LEVEL | AIR TEMP | DEG.C | WAIST LEVEL | AIR TEMP | DEG.C | FOOT LEVEL | AIR TEMP | DEG.C | FLOOR MASS | AIR TEMP | DEG.C | FLOOR MASS | AIR TEMP | DEG.C | AREA FWD | FOOT LEVEL | AIR TEMP | DEG.C | AREA FWD | FOOT LEVEL | AIR TEMP | DEG.C | |
| 247 | 102 | 6 | 9 | 5 | 23 | 20 | 6 | 5 | 23 | 20 | 6 | 39 | 19 | 0 | -9 | | | | | | | | | | | | | | | | | |
| 248 | 102 | 26 | 11 | 6 | 24 | 23 | 12 | 5 | 24 | 23 | 12 | 30 | 19 | 0 | -9 | | | | | | | | | | | | | | | | | |
| 249 | 102 | 45 | 10 | 5 | 23 | 21 | 17 | 5 | 23 | 21 | 17 | 30 | 19 | 0 | -9 | | | | | | | | | | | | | | | | | |
| 250 | 103 | 5 | 11 | 6 | 22 | 22 | 19 | 5 | 22 | 22 | 19 | 22 | 11 | 0 | -9 | | | | | | | | | | | | | | | | | |
| 251 | 103 | 25 | 9 | 7 | 22 | 24 | 22 | 6 | 22 | 24 | 22 | 26 | 11 | 0 | -10 | | | | | | | | | | | | | | | | | |
| 252 | 103 | 45 | 10 | 7 | 22 | 26 | 24 | 5 | 22 | 26 | 24 | 37 | 13 | -0 | -10 | | | | | | | | | | | | | | | | | |
| 253 | 104 | 5 | 11 | 7 | 23 | 24 | 24 | 6 | 23 | 24 | 24 | 40 | 16 | -0 | -10 | | | | | | | | | | | | | | | | | |
| 254 | 104 | 24 | 11 | 7 | 25 | 24 | 26 | 7 | 25 | 24 | 26 | 41 | 21 | -0 | -10 | | | | | | | | | | | | | | | | | |
| 255 | 104 | 44 | 12 | 7 | 25 | 24 | 26 | 7 | 25 | 24 | 26 | 30 | 15 | -0 | -10 | | | | | | | | | | | | | | | | | |
| 256 | 105 | 4 | 11 | 7 | 25 | 24 | 26 | 7 | 25 | 24 | 26 | 27 | 11 | 0 | -10 | | | | | | | | | | | | | | | | | |
| 257 | 105 | 24 | 11 | 8 | 24 | 24 | 26 | 8 | 24 | 24 | 26 | 33 | 13 | 1 | -10 | | | | | | | | | | | | | | | | | |
| 258 | 105 | 43 | 10 | 7 | 24 | 27 | 27 | 7 | 24 | 27 | 27 | 36 | 16 | 2 | -9 | | | | | | | | | | | | | | | | | |
| 259 | 106 | 3 | 11 | 7 | 25 | 28 | 28 | 8 | 25 | 28 | 28 | 26 | 15 | 2 | -9 | | | | | | | | | | | | | | | | | |
| 260 | 106 | 23 | 11 | 8 | 23 | 27 | 27 | 8 | 23 | 27 | 27 | 18 | 9 | 1 | -9 | | | | | | | | | | | | | | | | | |
| 261 | 106 | 43 | 11 | 8 | 22 | 25 | 25 | 9 | 22 | 25 | 25 | 24 | 8 | 1 | -9 | | | | | | | | | | | | | | | | | |
| 262 | 107 | 3 | 19 | 8 | 22 | 25 | 25 | 9 | 22 | 25 | 25 | 32 | 8 | 1 | -10 | | | | | | | | | | | | | | | | | |
| 263 | 107 | 22 | 11 | 9 | 23 | 27 | 27 | 9 | 23 | 27 | 27 | 32 | 16 | 2 | -10 | | | | | | | | | | | | | | | | | |
| 264 | 107 | 42 | 11 | 9 | 23 | 27 | 27 | 9 | 23 | 27 | 27 | 21 | 12 | 3 | -9 | | | | | | | | | | | | | | | | | |
| 265 | 108 | 2 | 11 | 9 | 22 | 25 | 25 | 11 | 22 | 25 | 25 | 20 | 9 | 2 | -9 | | | | | | | | | | | | | | | | | |
| 266 | 108 | 22 | 10 | 8 | 21 | 24 | 24 | 10 | 21 | 24 | 24 | 29 | 12 | 0 | -10 | | | | | | | | | | | | | | | | | |
| 269 | 109 | 21 | 11 | 8 | 24 | 29 | 29 | 9 | 24 | 29 | 29 | 33 | 16 | 0 | -10 | | | | | | | | | | | | | | | | | |
| 270 | 109 | 41 | 11 | 7 | 25 | 31 | 31 | 9 | 25 | 31 | 31 | 39 | 21 | 0 | -10 | | | | | | | | | | | | | | | | | |
| 271 | 110 | 0 | 12 | 7 | 26 | 31 | 31 | 9 | 26 | 31 | 31 | 33 | 21 | 1 | -10 | | | | | | | | | | | | | | | | | |
| 272 | 110 | 20 | 12 | 7 | 24 | 30 | 30 | 8 | 24 | 30 | 30 | 29 | 17 | 1 | -10 | | | | | | | | | | | | | | | | | |
| 273 | 110 | 40 | 11 | 7 | 25 | 29 | 29 | 8 | 24 | 29 | 29 | 35 | 19 | 1 | -10 | | | | | | | | | | | | | | | | | |
| 274 | 110 | 59 | 12 | 7 | 25 | 29 | 29 | 9 | 25 | 29 | 29 | 31 | 18 | 1 | -10 | | | | | | | | | | | | | | | | | |
| 275 | 111 | 19 | 11 | 7 | 24 | 28 | 28 | 9 | 24 | 28 | 28 | 23 | 14 | 2 | -10 | | | | | | | | | | | | | | | | | |
| 276 | 111 | 39 | 11 | 7 | 23 | 27 | 27 | 9 | 23 | 27 | 27 | 29 | 14 | 1 | -10 | | | | | | | | | | | | | | | | | |
| 277 | 111 | 59 | 11 | 9 | 23 | 27 | 26 | 10 | 23 | 27 | 26 | 34 | 17 | 0 | -10 | | | | | | | | | | | | | | | | | |
| 278 | 112 | 18 | 12 | 8 | 25 | 28 | 28 | 11 | 25 | 28 | 28 | 26 | 17 | 0 | -10 | | | | | | | | | | | | | | | | | |
| 279 | 112 | 38 | 11 | 8 | 24 | 27 | 27 | 11 | 24 | 27 | 27 | 25 | 14 | 2 | -10 | | | | | | | | | | | | | | | | | |
| 280 | 112 | 58 | 11 | 8 | 23 | 27 | 27 | 12 | 23 | 27 | 27 | 31 | 15 | 2 | -9 | | | | | | | | | | | | | | | | | |
| 281 | 113 | 18 | 12 | 8 | 25 | 28 | 28 | 12 | 25 | 28 | 28 | 37 | 19 | 2 | -9 | | | | | | | | | | | | | | | | | |
| 282 | 113 | 37 | 12 | 8 | 25 | 28 | 28 | 12 | 25 | 28 | 28 | 31 | 18 | 2 | -18 | | | | | | | | | | | | | | | | | |
| 283 | 113 | 57 | 11 | 8 | 23 | 27 | 27 | 11 | 23 | 27 | 27 | 29 | 15 | 2 | -9 | | | | | | | | | | | | | | | | | |
| 284 | 114 | 17 | 11 | 8 | 23 | 27 | 27 | 11 | 23 | 27 | 27 | 35 | 15 | 3 | -9 | | | | | | | | | | | | | | | | | |
| 285 | 114 | 36 | 11 | 8 | 25 | 27 | 27 | 11 | 25 | 27 | 27 | 33 | 19 | 4 | -8 | | | | | | | | | | | | | | | | | |
| 286 | 114 | 56 | 9 | 8 | 23 | 26 | 26 | 17 | 23 | 26 | 26 | 28 | 15 | 4 | -8 | | | | | | | | | | | | | | | | | |
| 287 | 115 | 16 | 10 | 8 | 22 | 25 | 25 | 11 | 22 | 25 | 25 | 34 | 16 | 4 | -8 | | | | | | | | | | | | | | | | | |
| 288 | 115 | 35 | 11 | 8 | 23 | 27 | 27 | 11 | 23 | 27 | 27 | 32 | 18 | 3 | -8 | | | | | | | | | | | | | | | | | |
| 289 | 115 | 55 | 11 | 9 | 23 | 27 | 27 | 11 | 23 | 27 | 27 | 31 | 15 | 2 | -8 | | | | | | | | | | | | | | | | | |
| 290 | 116 | 15 | 11 | 7 | 23 | 27 | 27 | 9 | 23 | 27 | 27 | 30 | 15 | 2 | -8 | | | | | | | | | | | | | | | | | |
| 291 | 116 | 35 | 11 | 9 | 22 | 26 | 26 | 11 | 22 | 26 | 26 | 32 | 15 | 2 | -8 | | | | | | | | | | | | | | | | | |
| 292 | 116 | 54 | 8 | 7 | 23 | 26 | 26 | 9 | 23 | 26 | 26 | 30 | 15 | 2 | -8 | | | | | | | | | | | | | | | | | |
| 293 | 117 | 14 | 8 | 5 | 22 | 23 | 23 | 9 | 22 | 23 | 23 | 31 | 15 | 0 | -8 | | | | | | | | | | | | | | | | | |
| 294 | 117 | 33 | 8 | 8 | 22 | 23 | 23 | 9 | 22 | 23 | 23 | 34 | 16 | 0 | -8 | | | | | | | | | | | | | | | | | |
| 295 | 117 | 53 | 9 | 5 | 22 | 24 | 24 | 9 | 22 | 24 | 24 | 38 | 17 | 0 | -9 | | | | | | | | | | | | | | | | | |
| 296 | 118 | 12 | 10 | 6 | 22 | 24 | 24 | 8 | 22 | 24 | 24 | 27 | 16 | 0 | -8 | | | | | | | | | | | | | | | | | |
| 297 | 118 | 32 | 8 | 7 | 25 | 24 | 24 | 8 | 25 | 24 | 24 | 29 | 16 | 1 | -8 | | | | | | | | | | | | | | | | | |
| 298 | 118 | 51 | 9 | 6 | 20 | 22 | 22 | 10 | 20 | 22 | 22 | 29 | 16 | -0 | -9 | | | | | | | | | | | | | | | | | |

| -01 SWEEP COUNT | 1-02 TIME MIN. | 3-03 TIME SEC. | 3-15 | | 3-16 | | 3-17 | | 3-19 | | 3-20 | | 3-21 | | 3-22 | | 3-23 | | 3-24 | |
|-----------------------|----------------------|----------------------|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | PILOTS FLOOR MASS LEVEL AIR TEMP DEG.C | PILOTS FLOOR MASS LEVEL AIR TEMP DEG.C | CO-PLT HEAD LEVEL AIR TEMP DEG.C | CO-PLT HEAD LEVEL AIR TEMP DEG.C | CO-PLT FOOT LEVEL AIR TEMP DEG.C | CO-PLT FOOT LEVEL AIR TEMP DEG.C | CO-PLT FOOT LEVEL AIR TEMP DEG.C | CO-PLT FOOT LEVEL AIR TEMP DEG.C | CO-PLT FOOT LEVEL AIR TEMP DEG.C | CO-PLT FOOT LEVEL AIR TEMP DEG.C | CO-PLT FOOT LEVEL AIR TEMP DEG.C | CO-PLT FOOT LEVEL AIR TEMP DEG.C | CO-PLT FOOT LEVEL AIR TEMP DEG.C | CO-PLT FOOT LEVEL AIR TEMP DEG.C | CO-PLT FOOT LEVEL AIR TEMP DEG.C | CO-PLT FOOT LEVEL AIR TEMP DEG.C | CO-PLT FOOT LEVEL AIR TEMP DEG.C | CO-PLT FOOT LEVEL AIR TEMP DEG.C |
| 299 | 119 | 11 | 9 | 6 | 21 | 22 | 21 | 16 | 9 | 9 | 34 | 35 | 34 | 35 | 34 | 35 | 34 | 35 | 34 | 35 |
| 300 | 119 | 31 | 9 | 7 | 21 | 24 | 21 | 14 | 8 | 8 | 42 | 27 | 42 | 27 | 42 | 27 | 42 | 27 | 42 | 27 |
| 301 | 119 | 50 | 8 | 4 | 22 | 28 | 22 | 16 | 8 | 8 | 45 | 38 | 45 | 38 | 45 | 38 | 45 | 38 | 45 | 38 |
| 302 | 120 | 10 | 11 | 5 | 23 | 28 | 23 | 16 | 9 | 9 | 47 | 48 | 47 | 48 | 47 | 48 | 47 | 48 | 47 | 48 |
| 303 | 120 | 29 | 8 | 4 | 26 | 31 | 26 | 17 | 9 | 9 | 52 | 46 | 52 | 46 | 52 | 46 | 52 | 46 | 52 | 46 |
| 304 | 120 | 49 | 10 | 7 | 28 | 31 | 28 | 14 | 8 | 8 | 53 | 30 | 53 | 30 | 53 | 30 | 53 | 30 | 53 | 30 |
| 305 | 121 | 8 | 11 | 8 | 29 | 30 | 29 | 15 | 9 | 9 | 40 | 25 | 40 | 25 | 40 | 25 | 40 | 25 | 40 | 25 |
| 306 | 121 | 28 | 11 | 8 | 28 | 28 | 28 | 15 | 9 | 9 | 36 | 19 | 36 | 19 | 36 | 19 | 36 | 19 | 36 | 19 |
| 307 | 122 | 47 | 10 | 8 | 28 | 26 | 28 | 14 | 9 | 9 | 35 | 9 | 35 | 9 | 35 | 9 | 35 | 9 | 35 | 9 |
| 308 | 122 | 7 | 9 | 8 | 26 | 25 | 26 | 14 | 10 | 10 | 31 | 2 | 31 | 2 | 31 | 2 | 31 | 2 | 31 | 2 |
| 310 | 122 | 26 | 7 | 8 | 25 | 22 | 25 | 12 | 10 | 10 | 27 | 0 | 27 | 0 | 27 | 0 | 27 | 0 | 27 | 0 |
| 311 | 122 | 46 | 7 | 8 | 23 | 20 | 23 | 10 | 11 | 11 | 24 | -1 | 24 | -1 | 24 | -1 | 24 | -1 | 24 | -1 |
| 312 | 123 | 5 | 5 | 8 | 21 | 18 | 21 | 8 | 10 | 10 | 21 | -2 | 21 | -2 | 21 | -2 | 21 | -2 | 21 | -2 |

MM-53C S/M 68-10354
 ARCTIC TEST
 21 JANUARY 1971
 PUN. NO. 7 -42 DEG C / -43 DEG F

| -01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-25 | | | 3-26 | | | 3-27 | | | 3-28 | | |
|-----------------------|----------------------|----------------------|-------|------|-----|-------|------|-----|-------|------|-----|-------|------|-----|
| | | | CARGO | AREA | AFT | CARGO | AREA | AFT | CARGO | AREA | AFT | CARGO | AREA | AFT |
| 1 | 2 | 58 | 42 | 41 | 26 | 41 | 26 | 41 | 26 | 41 | 26 | 41 | 26 | |
| 2 | 3 | 19 | 41 | 40 | 25 | 41 | 40 | 25 | 41 | 40 | 25 | 41 | 40 | |
| 3 | 3 | 39 | 41 | 40 | 27 | 41 | 40 | 27 | 41 | 40 | 27 | 41 | 40 | |
| 4 | 4 | 0 | 42 | 41 | 26 | 41 | 26 | 41 | 26 | 41 | 26 | 41 | 26 | |
| 5 | 4 | 20 | 43 | 41 | 29 | 41 | 29 | 41 | 29 | 41 | 29 | 41 | 29 | |
| 6 | 4 | 41 | 43 | 41 | 31 | 41 | 31 | 41 | 31 | 41 | 31 | 41 | 31 | |
| 7 | 5 | 1 | 42 | 39 | 28 | 41 | 28 | 41 | 28 | 41 | 28 | 41 | 28 | |
| 8 | 5 | 22 | 41 | 39 | 26 | 41 | 39 | 26 | 41 | 39 | 26 | 41 | 39 | |
| 9 | 5 | 42 | 41 | 38 | 27 | 41 | 38 | 27 | 41 | 38 | 27 | 41 | 38 | |
| 10 | 6 | 3 | 41 | 37 | 24 | 41 | 37 | 24 | 41 | 37 | 24 | 41 | 37 | |
| 11 | 6 | 23 | 42 | 38 | 25 | 41 | 38 | 25 | 41 | 38 | 25 | 41 | 38 | |
| 12 | 6 | 44 | 42 | 39 | 25 | 41 | 39 | 25 | 41 | 39 | 25 | 41 | 39 | |
| 13 | 7 | 4 | 42 | 39 | 26 | 41 | 39 | 26 | 41 | 39 | 26 | 41 | 39 | |
| 14 | 7 | 25 | 43 | 38 | 25 | 41 | 38 | 25 | 41 | 38 | 25 | 41 | 38 | |
| 15 | 7 | 45 | 41 | 38 | 25 | 41 | 38 | 25 | 41 | 38 | 25 | 41 | 38 | |
| 16 | 8 | 5 | 37 | 36 | 24 | 41 | 36 | 24 | 41 | 36 | 24 | 41 | 36 | |
| 17 | 8 | 26 | 31 | 30 | 22 | 41 | 30 | 22 | 41 | 30 | 22 | 41 | 30 | |
| 18 | 8 | 46 | 24 | 24 | 19 | 41 | 24 | 19 | 41 | 24 | 19 | 41 | 24 | |
| 19 | 9 | 6 | 18 | 19 | 17 | 41 | 19 | 17 | 41 | 19 | 17 | 41 | 19 | |
| 20 | 9 | 26 | 14 | 15 | 15 | 41 | 15 | 15 | 41 | 15 | 15 | 41 | 15 | |
| 21 | 9 | 47 | 11 | 11 | 13 | 41 | 11 | 13 | 41 | 11 | 13 | 41 | 11 | |
| 22 | 10 | 7 | 8 | 8 | 9 | 41 | 8 | 9 | 41 | 8 | 9 | 41 | 8 | |
| 23 | 10 | 27 | 6 | 6 | 7 | 41 | 6 | 7 | 41 | 6 | 7 | 41 | 6 | |
| 24 | 10 | 47 | 3 | 4 | 5 | 41 | 3 | 4 | 41 | 3 | 4 | 41 | 3 | |
| 25 | 11 | 8 | 2 | 2 | 4 | 41 | 2 | 4 | 41 | 2 | 4 | 41 | 2 | |
| 26 | 11 | 28 | 1 | 1 | 3 | 41 | 1 | 3 | 41 | 1 | 3 | 41 | 1 | |
| 27 | 11 | 48 | 0 | 0 | 2 | 41 | 0 | 2 | 41 | 0 | 2 | 41 | 0 | |
| 28 | 12 | 8 | 0 | 0 | 1 | 41 | 0 | 1 | 41 | 0 | 1 | 41 | 0 | |
| 29 | 12 | 29 | 1 | 1 | 1 | 41 | 1 | 1 | 41 | 1 | 1 | 41 | 1 | |
| 30 | 12 | 49 | 1 | 1 | 2 | 41 | 1 | 2 | 41 | 1 | 2 | 41 | 1 | |
| 31 | 13 | 9 | 15 | 13 | 9 | 41 | 13 | 9 | 41 | 13 | 9 | 41 | 13 | |
| 32 | 13 | 29 | 21 | 18 | 15 | 41 | 21 | 15 | 41 | 21 | 15 | 41 | 21 | |
| 33 | 13 | 49 | 26 | 24 | 18 | 41 | 26 | 18 | 41 | 26 | 18 | 41 | 26 | |
| 34 | 14 | 10 | 32 | 29 | 21 | 41 | 32 | 21 | 41 | 32 | 21 | 41 | 32 | |
| 35 | 14 | 30 | 33 | 32 | 25 | 41 | 33 | 25 | 41 | 33 | 25 | 41 | 33 | |
| 36 | 14 | 50 | 29 | 29 | 24 | 41 | 29 | 24 | 41 | 29 | 24 | 41 | 29 | |
| 37 | 15 | 10 | 24 | 23 | 23 | 41 | 24 | 23 | 41 | 24 | 23 | 41 | 24 | |
| 38 | 15 | 30 | 24 | 22 | 22 | 41 | 24 | 22 | 41 | 24 | 22 | 41 | 24 | |
| 39 | 15 | 51 | 25 | 23 | 23 | 41 | 25 | 23 | 41 | 25 | 23 | 41 | 25 | |
| 40 | 16 | 11 | 24 | 22 | 22 | 41 | 24 | 22 | 41 | 24 | 22 | 41 | 24 | |
| 41 | 16 | 31 | 20 | 19 | 19 | 41 | 20 | 19 | 41 | 20 | 19 | 41 | 20 | |
| 42 | 16 | 41 | 17 | 17 | 17 | 41 | 17 | 17 | 41 | 17 | 17 | 41 | 17 | |
| 43 | 17 | 11 | 17 | 17 | 15 | 41 | 17 | 15 | 41 | 17 | 15 | 41 | 17 | |
| 44 | 17 | 31 | 21 | 20 | 20 | 41 | 21 | 20 | 41 | 21 | 20 | 41 | 21 | |
| 45 | 17 | 51 | 23 | 22 | 19 | 41 | 23 | 19 | 41 | 23 | 19 | 41 | 23 | |

| -01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-25 | | | 3-26 | | | 3-27 | | | 3-28 | | |
|-----------------------|----------------------|----------------------|---------------|-------------|-------|---------------|-----------------|-------|---------------|---------------|-------|---------------|---------------|-------|
| | | | CARGO AREA | HEAD APT | DEG.C | CARGO AREA | WALISF LEVEL | DEG.C | CARGO AREA | FOOT LEVEL | DEG.C | CARGO AREA | FLOOR MASS | DEG.C |
| 96 | 40 | 22 | 15 | | | 17 | | | 11 | | | -8 | | |
| 97 | 40 | 42 | 14 | | | 14 | | | 10 | | | -8 | | |
| 99 | 41 | 22 | 20 | | | 19 | | | 12 | | | -8 | | |
| 100 | 41 | 42 | 22 | | | 21 | | | 13 | | | -8 | | |
| 101 | 42 | 2 | 21 | | | 21 | | | 13 | | | -8 | | |
| 102 | 42 | 42 | 14 | | | 14 | | | 12 | | | -8 | | |
| 103 | 42 | 42 | 15 | | | 16 | | | 11 | | | -8 | | |
| 104 | 43 | 2 | 17 | | | 15 | | | 11 | | | -8 | | |
| 105 | 43 | 22 | 19 | | | 18 | | | 13 | | | -8 | | |
| 106 | 43 | 42 | 22 | | | 22 | | | 12 | | | -8 | | |
| 107 | 44 | 2 | 20 | | | 19 | | | 11 | | | -8 | | |
| 108 | 44 | 22 | 17 | | | 17 | | | 12 | | | -8 | | |
| 109 | 44 | 42 | 17 | | | 17 | | | 12 | | | -8 | | |
| 110 | 45 | 2 | 19 | | | 20 | | | 11 | | | -8 | | |
| 111 | 45 | 22 | 20 | | | 20 | | | 12 | | | -8 | | |
| 112 | 45 | 42 | 19 | | | 19 | | | 13 | | | -8 | | |
| 113 | 46 | 2 | 18 | | | 17 | | | 12 | | | -8 | | |
| 114 | 46 | 22 | 17 | | | 16 | | | 13 | | | -8 | | |
| 115 | 49 | 4 | 17 | | | 17 | | | 12 | | | -8 | | |
| 116 | 49 | 4 | 15 | | | 15 | | | 12 | | | -8 | | |
| 117 | 49 | 47 | 14 | | | 17 | | | 13 | | | -8 | | |
| 118 | 51 | 47 | 20 | | | 18 | | | 11 | | | -8 | | |
| 119 | 52 | 7 | 19 | | | 17 | | | 12 | | | -8 | | |
| 120 | 52 | 27 | 17 | | | 15 | | | 11 | | | -8 | | |
| 121 | 54 | 26 | 21 | | | 20 | | | 14 | | | -7 | | |
| 122 | 54 | 48 | 22 | | | 22 | | | 15 | | | -7 | | |
| 123 | 55 | 4 | 18 | | | 18 | | | 14 | | | -8 | | |
| 124 | 56 | 25 | 20 | | | 19 | | | 11 | | | -8 | | |
| 125 | 56 | 45 | 19 | | | 18 | | | 11 | | | -8 | | |
| 126 | 57 | 5 | 21 | | | 19 | | | 12 | | | -8 | | |
| 127 | 57 | 26 | 22 | | | 20 | | | 12 | | | -8 | | |
| 128 | 57 | 46 | 18 | | | 18 | | | 12 | | | -8 | | |
| 129 | 58 | 6 | 17 | | | 17 | | | 14 | | | -8 | | |
| 130 | 58 | 25 | 19 | | | 19 | | | 14 | | | -7 | | |
| 131 | 58 | 46 | 23 | | | 22 | | | 16 | | | -7 | | |
| 132 | 59 | 6 | 24 | | | 24 | | | 17 | | | -7 | | |
| 133 | 59 | 26 | 22 | | | 22 | | | 17 | | | -7 | | |
| 134 | 59 | 46 | 10 | | | 19 | | | 15 | | | -7 | | |
| 135 | 60 | 6 | 19 | | | 18 | | | 13 | | | -6 | | |
| 136 | 60 | 26 | 22 | | | 22 | | | 12 | | | -7 | | |
| 137 | 60 | 46 | 19 | | | 19 | | | 17 | | | -6 | | |
| 138 | 61 | 5 | 14 | | | 14 | | | 14 | | | -6 | | |
| 139 | 61 | 25 | 16 | | | 16 | | | 12 | | | -7 | | |
| 140 | 62 | 24 | 18 | | | 18 | | | 12 | | | -6 | | |
| 141 | 62 | 43 | 17 | | | 16 | | | 12 | | | -6 | | |
| 142 | 63 | 7 | 19 | | | 16 | | | 11 | | | -7 | | |
| 143 | 65 | 3 | 17 | | | 16 | | | 11 | | | -7 | | |
| 144 | 65 | 23 | 14 | | | 14 | | | 12 | | | -6 | | |
| 145 | 65 | 43 | 21 | | | 19 | | | 13 | | | -7 | | |
| 146 | 66 | 2 | 14 | | | 14 | | | 13 | | | -7 | | |

| -01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-25 | | | 3-26 | | | 3-27 | | | 3-28 | | |
|-----------------------|----------------------|----------------------|---------------|-----|---------------|---------------|-----|----------------|---------------|-----|---------------|---------------|-----|---------------|
| | | | CARGO AREA | AFT | HEAD LEVEL | CARGO AREA | AFT | WAIST LEVEL | CARGO AREA | AFT | FOOT LEVEL | CARGO AREA | AFT | FLOOR MASS |
| 197 | 85 | 34 | 20 | 20 | 20 | 25 | 25 | 8 | -11 | -11 | -11 | -11 | -11 | |
| 198 | 85 | 54 | 26 | 26 | 26 | 25 | 25 | 9 | -11 | -11 | -11 | -11 | -11 | |
| 199 | 86 | 14 | 25 | 25 | 24 | 24 | 24 | 10 | -11 | -11 | -11 | -11 | -11 | |
| 200 | 86 | 34 | 24 | 24 | 24 | 22 | 22 | 9 | -10 | -10 | -10 | -10 | -10 | |
| 201 | 86 | 53 | 21 | 21 | 20 | 20 | 20 | 9 | -10 | -10 | -10 | -10 | -10 | |
| 202 | 87 | 13 | 21 | 21 | 19 | 19 | 19 | 9 | -10 | -10 | -10 | -10 | -10 | |
| 203 | 87 | 33 | 21 | 21 | 19 | 19 | 19 | 9 | -10 | -10 | -10 | -10 | -10 | |
| 204 | 87 | 53 | 19 | 19 | 16 | 16 | 16 | 9 | -11 | -11 | -11 | -11 | -11 | |
| 205 | 88 | 13 | 20 | 20 | 17 | 17 | 17 | 8 | -11 | -11 | -11 | -11 | -11 | |
| 206 | 88 | 33 | 22 | 22 | 14 | 14 | 14 | 7 | -11 | -11 | -11 | -11 | -11 | |
| 207 | 88 | 53 | 24 | 24 | 20 | 20 | 20 | 7 | -11 | -11 | -11 | -11 | -11 | |
| 208 | 89 | 13 | 26 | 26 | 22 | 22 | 22 | 9 | -12 | -12 | -12 | -12 | -12 | |
| 209 | 89 | 32 | 22 | 22 | 21 | 21 | 21 | 11 | -11 | -11 | -11 | -11 | -11 | |
| 210 | 89 | 52 | 21 | 21 | 19 | 19 | 19 | 9 | -12 | -12 | -12 | -12 | -12 | |
| 211 | 90 | 12 | 19 | 19 | 18 | 18 | 18 | 8 | -12 | -12 | -12 | -12 | -12 | |
| 212 | 90 | 32 | 17 | 17 | 15 | 15 | 15 | 7 | -12 | -12 | -12 | -12 | -12 | |
| 213 | 90 | 52 | 15 | 15 | 14 | 14 | 14 | 6 | -12 | -12 | -12 | -12 | -12 | |
| 214 | 91 | 12 | 17 | 17 | 15 | 15 | 15 | 5 | -11 | -11 | -11 | -11 | -11 | |
| 215 | 91 | 32 | 21 | 21 | 18 | 18 | 18 | 4 | -12 | -12 | -12 | -12 | -12 | |
| 216 | 91 | 52 | 22 | 22 | 20 | 20 | 20 | 6 | -11 | -11 | -11 | -11 | -11 | |
| 217 | 92 | 12 | 24 | 24 | 20 | 20 | 20 | 8 | -11 | -11 | -11 | -11 | -11 | |
| 218 | 92 | 31 | 18 | 18 | 17 | 17 | 17 | 7 | -11 | -11 | -11 | -11 | -11 | |
| 219 | 92 | 51 | 19 | 19 | 18 | 18 | 18 | 7 | -11 | -11 | -11 | -11 | -11 | |
| 220 | 93 | 11 | 19 | 19 | 18 | 18 | 18 | 7 | -11 | -11 | -11 | -11 | -11 | |
| 221 | 93 | 31 | 19 | 19 | 18 | 18 | 18 | 8 | -11 | -11 | -11 | -11 | -11 | |
| 222 | 93 | 51 | 21 | 21 | 19 | 19 | 19 | 8 | -11 | -11 | -11 | -11 | -11 | |
| 223 | 94 | 11 | 18 | 18 | 17 | 17 | 17 | 8 | -11 | -11 | -11 | -11 | -11 | |
| 224 | 94 | 30 | 15 | 15 | 14 | 14 | 14 | 7 | -10 | -10 | -10 | -10 | -10 | |
| 225 | 94 | 50 | 17 | 17 | 15 | 15 | 15 | 8 | -10 | -10 | -10 | -10 | -10 | |
| 226 | 95 | 10 | 19 | 19 | 17 | 17 | 17 | 8 | -11 | -11 | -11 | -11 | -11 | |
| 227 | 95 | 30 | 21 | 21 | 17 | 17 | 17 | 7 | -10 | -10 | -10 | -10 | -10 | |
| 228 | 95 | 49 | 19 | 19 | 17 | 17 | 17 | 8 | -10 | -10 | -10 | -10 | -10 | |
| 229 | 96 | 9 | 19 | 19 | 17 | 17 | 17 | 8 | -10 | -10 | -10 | -10 | -10 | |
| 230 | 96 | 29 | 20 | 20 | 18 | 18 | 18 | 8 | -10 | -10 | -10 | -10 | -10 | |
| 231 | 96 | 49 | 19 | 19 | 18 | 18 | 18 | 8 | -10 | -10 | -10 | -10 | -10 | |
| 232 | 97 | 8 | 19 | 19 | 17 | 17 | 17 | 8 | -10 | -10 | -10 | -10 | -10 | |
| 233 | 97 | 28 | 18 | 18 | 18 | 18 | 18 | 8 | -10 | -10 | -10 | -10 | -10 | |
| 234 | 97 | 48 | 19 | 19 | 18 | 18 | 18 | 8 | -11 | -11 | -11 | -11 | -11 | |
| 235 | 98 | 8 | 21 | 21 | 19 | 19 | 19 | 9 | -10 | -10 | -10 | -10 | -10 | |
| 236 | 98 | 28 | 18 | 18 | 18 | 18 | 18 | 10 | -10 | -10 | -10 | -10 | -10 | |
| 237 | 98 | 48 | 20 | 20 | 18 | 18 | 18 | 11 | -10 | -10 | -10 | -10 | -10 | |
| 238 | 99 | 7 | 22 | 22 | 19 | 19 | 19 | 11 | -10 | -10 | -10 | -10 | -10 | |
| 239 | 99 | 27 | 24 | 24 | 20 | 20 | 20 | 10 | -10 | -10 | -10 | -10 | -10 | |
| 240 | 99 | 47 | 27 | 27 | 22 | 22 | 22 | 11 | -10 | -10 | -10 | -10 | -10 | |
| 241 | 100 | 7 | 27 | 27 | 24 | 24 | 24 | 13 | -11 | -11 | -11 | -11 | -11 | |
| 242 | 100 | 27 | 26 | 26 | 24 | 24 | 24 | 12 | -10 | -10 | -10 | -10 | -10 | |
| 243 | 100 | 47 | 22 | 22 | 21 | 21 | 21 | 11 | -10 | -10 | -10 | -10 | -10 | |
| 244 | 101 | 6 | 17 | 17 | 15 | 15 | 15 | 10 | -10 | -10 | -10 | -10 | -10 | |
| 245 | 101 | 26 | 15 | 15 | 15 | 15 | 15 | 10 | -10 | -10 | -10 | -10 | -10 | |
| 246 | 101 | 46 | 17 | 17 | 15 | 15 | 15 | 9 | -10 | -10 | -10 | -10 | -10 | |

| SW COUNT | 3-25 | | 3-26 | | 3-27 | | 3-28 | |
|-------------|--------------|------|---------------|------------------------|---------------|-------------------------|---------------|------------------------|
| | TIME MIN. | SEC. | CARGO AREA | HEAD LEVEL DEG.C | CARGO AREA | MAIST LEVEL DEG.C | CARGO AREA | FLOOR MASS DEG.C |
| 247 | 102 | 6 | 19 | 19 | 11 | 11 | -10 | -10 |
| 248 | 102 | 26 | 20 | 19 | 10 | 10 | -10 | -10 |
| 249 | 102 | 45 | 18 | 17 | 9 | 9 | -10 | -10 |
| 250 | 103 | 5 | 17 | 15 | 10 | 10 | -10 | -10 |
| 251 | 103 | 25 | 18 | 16 | 11 | 11 | -10 | -10 |
| 252 | 103 | 45 | 21 | 18 | 12 | 12 | -10 | -10 |
| 253 | 104 | 5 | 23 | 21 | 12 | 12 | -10 | -10 |
| 254 | 104 | 24 | 24 | 22 | 11 | 11 | -11 | -11 |
| 255 | 104 | 44 | 28 | 22 | 10 | 10 | -10 | -10 |
| 256 | 104 | 64 | 28 | 19 | 11 | 11 | -10 | -10 |
| 257 | 105 | 4 | 19 | 19 | 11 | 11 | -10 | -10 |
| 258 | 105 | 24 | 21 | 18 | 11 | 11 | -10 | -10 |
| 259 | 105 | 43 | 21 | 19 | 12 | 12 | -11 | -11 |
| 260 | 106 | 3 | 22 | 19 | 11 | 11 | -11 | -11 |
| 261 | 106 | 23 | 17 | 17 | 11 | 11 | -11 | -11 |
| 262 | 106 | 43 | 14 | 15 | 10 | 10 | -11 | -11 |
| 263 | 107 | 3 | 15 | 15 | 10 | 10 | -11 | -11 |
| 264 | 107 | 22 | 16 | 16 | 9 | 9 | -11 | -11 |
| 265 | 107 | 42 | 16 | 15 | 15 | 15 | -11 | -11 |
| 266 | 108 | 2 | 13 | 12 | 9 | 9 | -10 | -10 |
| 267 | 108 | 22 | 15 | 14 | 9 | 9 | -11 | -11 |
| 268 | 109 | 21 | 21 | 18 | 11 | 11 | -10 | -10 |
| 269 | 109 | 41 | 22 | 21 | 12 | 12 | -10 | -10 |
| 270 | 110 | 0 | 25 | 22 | 14 | 14 | -10 | -10 |
| 271 | 110 | 20 | 24 | 22 | 14 | 14 | -10 | -10 |
| 272 | 110 | 40 | 22 | 20 | 13 | 13 | -10 | -10 |
| 273 | 110 | 59 | 23 | 20 | 12 | 12 | -11 | -11 |
| 274 | 110 | 79 | 20 | 20 | 10 | 10 | -10 | -10 |
| 275 | 111 | 19 | 20 | 18 | 11 | 11 | -10 | -10 |
| 276 | 111 | 39 | 18 | 16 | 10 | 10 | -10 | -10 |
| 277 | 111 | 59 | 20 | 17 | 10 | 10 | -11 | -11 |
| 278 | 112 | 18 | 21 | 18 | 10 | 10 | -11 | -11 |
| 279 | 112 | 38 | 18 | 17 | 9 | 9 | -11 | -11 |
| 280 | 112 | 58 | 19 | 17 | 10 | 10 | -11 | -11 |
| 281 | 113 | 18 | 22 | 19 | 11 | 11 | -11 | -11 |
| 282 | 113 | 37 | 22 | 18 | 11 | 11 | -12 | -12 |
| 283 | 113 | 57 | 21 | 18 | 12 | 12 | -11 | -11 |
| 284 | 114 | 17 | 22 | 18 | 8 | 8 | -11 | -11 |
| 285 | 114 | 36 | 21 | 19 | 9 | 9 | -11 | -11 |
| 286 | 114 | 56 | 20 | 18 | 10 | 10 | -11 | -11 |
| 287 | 115 | 16 | 19 | 17 | 9 | 9 | -10 | -10 |
| 288 | 115 | 35 | 22 | 19 | 9 | 9 | -11 | -11 |
| 289 | 115 | 55 | 19 | 17 | 7 | 7 | -10 | -10 |
| 290 | 116 | 15 | 19 | 17 | 5 | 5 | -11 | -11 |
| 291 | 116 | 35 | 18 | 17 | 5 | 5 | -11 | -11 |
| 292 | 116 | 54 | 19 | 16 | 5 | 5 | -12 | -12 |
| 293 | 117 | 14 | 18 | 17 | 4 | 4 | -11 | -11 |
| 294 | 117 | 33 | 17 | 15 | 4 | 4 | -11 | -11 |
| 295 | 117 | 53 | 20 | 16 | 4 | 4 | -11 | -11 |
| 296 | 118 | 12 | 19 | 17 | 3 | 3 | -11 | -11 |
| 297 | 118 | 32 | 16 | 14 | 4 | 4 | -11 | -11 |
| 298 | 118 | 51 | 15 | 15 | 4 | 4 | -11 | -11 |

| -01 SWEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-25 CARGO AREA AFT HEAD LEVEL DEG.C | 3-26 CARGO AREA AFT WAIST LEVEL DEG.C | 3-27 CARGO AREA AFT FOOT LEVEL DEG.C | 3-28 CARGO AREA AFT FLOOR MASS DEG.C |
|-----------------------|----------------------|----------------------|--|---|--|--|
| 299 | 119 | 11 | 17 | 15 | 4 | -12 |
| 300 | 119 | 31 | 19 | 17 | 5 | -11 |
| 301 | 119 | 50 | 22 | 18 | 5 | -12 |
| 302 | 120 | 10 | 27 | 22 | 7 | -11 |
| 303 | 120 | 29 | 30 | 26 | 10 | -11 |
| 304 | 120 | 49 | 32 | 28 | 10 | -11 |
| 305 | 121 | 3 | 32 | 28 | 10 | -11 |
| 306 | 121 | 28 | 28 | 24 | 7 | -11 |
| 307 | 121 | 47 | 24 | 15 | 1 | -11 |
| 308 | 122 | 7 | 21 | 9 | -2 | -10 |
| 310 | 122 | 26 | 17 | 4 | -4 | -10 |
| 311 | 122 | 46 | 14 | 2 | -6 | -10 |
| 312 | 123 | 5 | 12 | 0 | -7 | -10 |

HH-53C S/N 6A-10354

ARCTIC TEST

21 JANUARY 1971

PUN NO. 7

-42 DEG C / -43 DEG F

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-OUT WINDSH INSIDE LOHEP CENTER DEG.C | 4-06 CO-OUT WINDSH INSIDE UPPER R H DEG.C | 4-07 CENTER PANEL WINDSH INSIDE LWR C DEG.C | 4-08 CENTER PANEL WINDSH INSIDE UP C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 (COLL. /TAM CHAN) TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|---|---|--|--|---|--|--|---|--|
| 1 | 3 | 1 | 20 | 23 | 12 | 30 | -14 | -15 | -10 | -2 | -10 | -19 |
| 2 | 3 | 21 | 1A | 22 | 12 | 30 | -14 | -15 | -10 | -2 | -10 | -20 |
| 3 | 3 | 42 | 17 | 22 | 11 | 30 | -15 | -16 | -10 | -2 | -11 | -20 |
| 4 | 4 | 2 | 17 | 22 | 11 | 29 | -15 | -15 | -10 | -3 | -11 | -19 |
| 5 | 4 | 4 | 16 | 22 | 11 | 30 | -15 | -15 | -10 | -3 | -11 | -19 |
| 6 | 4 | 43 | 15 | 22 | 11 | 31 | -15 | -15 | -10 | -7 | -6 | -20 |
| 7 | 4 | 4 | 15 | 22 | 11 | 31 | -15 | -15 | -10 | -8 | -6 | -19 |
| 8 | 5 | 24 | 14 | 22 | 9 | 31 | -15 | -16 | -10 | -8 | 4 | -19 |
| 9 | 5 | 45 | 14 | 22 | 10 | 31 | -15 | -15 | -10 | -4 | 8 | -19 |
| 10 | 6 | 5 | 13 | 21 | 10 | 31 | -15 | -15 | -10 | -0 | 12 | -19 |
| 11 | 6 | 26 | 13 | 21 | 9 | 31 | -15 | -16 | -10 | 1 | 15 | -18 |
| 12 | 6 | 46 | 13 | 21 | 11 | 30 | -15 | -16 | -10 | 3 | 1A | -19 |
| 13 | 7 | 7 | 13 | 21 | 9 | 33 | -15 | -16 | -10 | 6 | 22 | -18 |
| 14 | 7 | 27 | 12 | 22 | 11 | 31 | -15 | -16 | -10 | 8 | 24 | -18 |
| 15 | 7 | 47 | 12 | 22 | 10 | 33 | -15 | -15 | -10 | 11 | 27 | -18 |
| 16 | 8 | 8 | 12 | 22 | 10 | 32 | -15 | -15 | -10 | 17 | 27 | -18 |
| 17 | 8 | 29 | 12 | 22 | 10 | 29 | -15 | -15 | -10 | 18 | 25 | -13 |
| 18 | 8 | 44 | 11 | 22 | 10 | 28 | -14 | -15 | -10 | 18 | 27 | -10 |
| 19 | 9 | 9 | 11 | 21 | 10 | 25 | -15 | -15 | -10 | 18 | 28 | -9 |
| 20 | 9 | 29 | 11 | 19 | 4 | 25 | -14 | -14 | -10 | 20 | 29 | 0 |
| 21 | 9 | 49 | 11 | 19 | 4 | 24 | -14 | -14 | -9 | 21 | 31 | 3 |
| 22 | 10 | 9 | 11 | 14 | 8 | 22 | -14 | -14 | -9 | 22 | 32 | 7 |
| 23 | 10 | 30 | 10 | 18 | 8 | 22 | -14 | -14 | -9 | 23 | 33 | 10 |
| 24 | 10 | 50 | 10 | 17 | 8 | 21 | -14 | -14 | -9 | 25 | 34 | 13 |
| 25 | 11 | 10 | 10 | 16 | 7 | 20 | -14 | -14 | -9 | 26 | 35 | 15 |
| 26 | 11 | 30 | 9 | 17 | 6 | 20 | -13 | -14 | -10 | 26 | 35 | 18 |
| 27 | 11 | 51 | 9 | 16 | 8 | 19 | -13 | -13 | -10 | 27 | 36 | 20 |
| 28 | 12 | 11 | 9 | 16 | 8 | 18 | -13 | -13 | -10 | 28 | 36 | 22 |
| 29 | 12 | 31 | 11 | 17 | 12 | 18 | -13 | -13 | -10 | 28 | 37 | 24 |
| 30 | 12 | 51 | 11 | 16 | 10 | 18 | -13 | -13 | -10 | 29 | 38 | 26 |
| 31 | 13 | 11 | 9 | 15 | 9 | 18 | -13 | -13 | -10 | 30 | 38 | 28 |
| 32 | 13 | 32 | 9 | 15 | 8 | 20 | -12 | -10 | -9 | 31 | 39 | 29 |
| 33 | 13 | 52 | 10 | 16 | 8 | 21 | -11 | -8 | -10 | 30 | 38 | 30 |
| 34 | 14 | 12 | 9 | 16 | 9 | 22 | -11 | -8 | -12 | 30 | 38 | 31 |
| 35 | 14 | 32 | 9 | 17 | 10 | 24 | -10 | -7 | -13 | 30 | 34 | 31 |
| 36 | 14 | 52 | 9 | 17 | 10 | 23 | -9 | -1 | -15 | 29 | 33 | 31 |
| 37 | 15 | 13 | 9 | 17 | 10 | 21 | -8 | 1 | -16 | 24 | 32 | 30 |
| 38 | 15 | 33 | 8 | 17 | 10 | 21 | -5 | 3 | -19 | 28 | 30 | 30 |
| 39 | 15 | 53 | 8 | 16 | 11 | 21 | -5 | 5 | -20 | 29 | 30 | 29 |
| 40 | 16 | 13 | 8 | 15 | 11 | 21 | -2 | 8 | -27 | 29 | 29 | 29 |
| 41 | 16 | 33 | 8 | 15 | 10 | 19 | -1 | 11 | -22 | 26 | 28 | 29 |
| 42 | 16 | 54 | 7 | 15 | 9 | 14 | 1 | 16 | -24 | 27 | 31 | 28 |
| 43 | 17 | 14 | 6 | 13 | 8 | 17 | 3 | 17 | -24 | 26 | 30 | 28 |
| 44 | 17 | 34 | 6 | 14 | 8 | 19 | 4 | 19 | -24 | 27 | 31 | 28 |
| 45 | 17 | 54 | 5 | 14 | 8 | 19 | 5 | 20 | -24 | 27 | 30 | 28 |

| 4-01 | 4-02 | 4-03 | 4-05 | 4-06 | 4-07 | 4-08 | 4-09 | 4-10 | 4-11 | 4-12 | 4-14 | 4-15 |
|-------|------|------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| SWEEP | TIME | TIME | CO-PLY | CO-PLY | CENTER | CENTER | 1STAGE | 1STAGE | 1STAGE | 2STAGE | 2STAGE | 2STAGE |
| COUNT | MIN. | SEC. | WINDSHD | WINDSHD | PANEL | PANEL | PUMP | OUTLET | INLET | PUMP | AFT | AFT |
| | | | INSIDE | INSIDE | WINDSHD | WINDSHD | INLET | HYD. | HYD. | INLET | SERVO | SERVO |
| | | | UPPER | UPPER | INSIDE | INSIDE | HYD. | TEMP | TEMP | HYD. | HYD IN | HYD IN |
| | | | R H | R H | LWR C | LWR C | TEMP | DEG.C | DEG.C | TEMP | TEMP | TEMP |
| | | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 46 | 10 | 14 | 5 | 13 | 9 | 20 | 5 | 20 | -23 | 27 | 31 | 26 |
| 47 | 16 | 34 | 4 | 13 | 8 | 19 | 6 | 22 | -23 | 27 | 30 | 26 |
| 48 | 18 | 54 | 5 | 13 | 7 | 20 | 6 | 23 | -23 | 27 | 31 | 26 |
| 49 | 19 | 14 | 5 | 13 | 9 | 20 | 8 | 24 | -24 | 27 | 30 | 28 |
| 50 | 19 | 34 | 4 | 13 | 9 | 18 | 8 | 24 | -23 | 27 | 31 | 28 |
| 51 | 19 | 54 | 3 | 13 | 8 | 18 | 8 | 24 | -24 | 27 | 29 | 28 |
| 52 | 20 | 15 | 2 | 12 | 8 | 17 | 8 | 22 | -24 | 27 | 28 | 27 |
| 53 | 20 | 35 | 3 | 12 | 8 | 19 | 8 | 23 | -25 | 27 | 27 | 28 |
| 54 | 20 | 55 | 3 | 12 | 9 | 17 | 8 | 23 | -25 | 27 | 27 | 27 |
| 55 | 21 | 15 | 2 | 12 | 6 | 17 | 10 | 25 | -26 | 27 | 29 | 27 |
| 56 | 21 | 35 | 2 | 11 | 7 | 18 | 11 | 27 | -29 | 26 | 30 | 27 |
| 57 | 21 | 55 | 2 | 11 | 9 | 19 | 12 | 27 | -25 | 27 | 31 | 28 |
| 58 | 22 | 15 | 1 | 11 | 8 | 17 | 12 | 27 | -25 | 27 | 31 | 27 |
| 59 | 22 | 35 | 2 | 12 | 8 | 17 | 12 | 27 | -24 | 27 | 31 | 27 |
| 60 | 22 | 55 | 2 | 12 | 9 | 18 | 12 | 27 | -25 | 26 | 29 | 24 |
| 61 | 23 | 15 | 1 | 11 | 9 | 17 | 11 | 25 | -24 | 24 | 29 | 22 |
| 62 | 23 | 36 | 1 | 10 | 8 | 17 | 9 | 24 | -24 | 22 | 28 | 19 |
| 63 | 23 | 56 | 0 | 11 | 9 | 18 | 10 | 24 | -23 | 22 | 27 | 18 |
| 64 | 24 | 16 | 0 | 11 | 9 | 18 | 9 | 22 | -22 | 22 | 26 | 17 |
| 65 | 25 | 25 | -1 | 11 | 8 | 17 | 9 | 22 | -20 | 21 | 25 | 15 |
| 66 | 25 | 45 | -2 | 10 | 5 | 17 | 9 | 22 | -20 | 20 | 25 | 14 |
| 67 | 26 | 5 | -1 | 10 | 7 | 15 | 9 | 22 | -19 | 20 | 25 | 13 |
| 68 | 28 | 3 | 3 | 8 | 6 | 14 | 9 | 24 | -18 | 19 | 23 | 11 |
| 69 | 30 | 41 | -2 | 10 | 5 | 17 | 9 | 24 | -21 | 18 | 22 | 12 |
| 70 | 31 | 1 | -2 | 9 | 5 | 15 | 8 | 23 | -21 | 17 | 22 | 12 |
| 71 | 31 | 21 | -3 | 9 | 4 | 15 | 8 | 22 | -22 | 17 | 21 | 11 |
| 72 | 31 | 42 | -3 | 9 | 4 | 16 | 7 | 22 | -22 | 16 | 21 | 11 |
| 73 | 32 | 41 | -3 | 7 | 4 | 16 | 7 | 21 | -22 | 15 | 20 | 11 |
| 74 | 33 | 1 | -4 | 7 | 5 | 15 | 7 | 21 | -28 | 15 | 20 | 10 |
| 75 | 33 | 21 | -4 | 7 | 4 | 14 | 7 | 21 | -20 | 15 | 20 | 10 |
| 76 | 33 | 41 | -4 | 7 | 4 | 14 | 7 | 21 | -20 | 16 | 21 | 10 |
| 77 | 34 | 2 | -4 | 7 | 5 | 15 | 7 | 21 | -20 | 15 | 20 | 10 |
| 78 | 34 | 22 | -4 | 7 | 4 | 15 | 7 | 20 | -19 | 15 | 20 | 10 |
| 79 | 34 | 42 | -4 | 7 | 5 | 14 | 7 | 21 | -18 | 15 | 21 | 11 |
| 80 | 35 | 2 | -4 | 7 | 3 | 16 | 8 | 21 | -18 | 16 | 21 | 11 |
| 81 | 35 | 22 | -3 | 8 | 6 | 17 | 7 | 21 | -18 | 15 | 21 | 11 |
| 82 | 35 | 42 | -3 | 8 | 5 | 17 | 7 | 21 | -18 | 16 | 21 | 11 |
| 83 | 36 | 3 | -4 | 7 | 2 | 15 | 7 | 23 | -18 | 16 | 21 | 11 |
| 84 | 36 | 23 | -4 | 7 | 2 | 14 | 5 | 24 | -18 | 16 | 21 | 11 |
| 85 | 36 | 43 | -4 | 7 | 4 | 14 | 8 | 24 | -18 | 16 | 21 | 11 |
| 86 | 37 | 3 | -3 | 7 | 4 | 16 | 8 | 24 | -18 | 16 | 21 | 11 |
| 87 | 37 | 23 | -3 | 7 | 3 | 15 | 9 | 25 | -17 | 16 | 22 | 11 |
| 88 | 37 | 43 | -4 | 7 | 3 | 14 | 9 | 25 | -18 | 16 | 22 | 11 |
| 89 | 38 | 3 | -4 | 6 | 3 | 13 | 9 | 25 | -17 | 16 | 21 | 11 |
| 90 | 38 | 23 | -4 | 6 | 2 | 13 | 9 | 25 | -18 | 16 | 22 | 11 |
| 91 | 38 | 44 | -4 | 6 | 3 | 13 | 9 | 25 | -18 | 16 | 22 | 11 |
| 92 | 39 | 4 | -4 | 7 | 4 | 14 | 9 | 26 | -17 | 16 | 22 | 11 |
| 93 | 39 | 24 | -4 | 7 | 4 | 13 | 10 | 26 | -17 | 16 | 22 | 12 |
| 94 | 39 | 44 | -4 | 7 | 4 | 13 | 10 | 26 | -17 | 16 | 22 | 12 |
| 95 | 40 | 4 | -4 | 7 | 4 | 13 | 11 | 26 | -16 | 17 | 22 | 12 |

| SRV. POINT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PLT WNDSHD INSIDE LOWER CENTER DEG.C | 4-06 CO-PLT WNDSHD INSIDE UPPER R.H. DEG.C | 4-07 CENTER PANEL WNDSHD INSIDE LMR.C DEG.C | 4-08 CENTER PANEL WNDSHD INSIDE UPR.C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE AFT SERVO HYD. TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD. TEMP DEG.C | 4-15 2STAGE APCS 1 COLL. /VAH CMAN) DEG.C |
|------------|----------------|----------------|--|--|---|---|--|---|---------------------------------------|--|---------------------------------------|---|
| 96 | 40 | 24 | -4 | 7 | 2 | 12 | 10 | 26 | -16 | 17 | 22 | 12 |
| 97 | 40 | 44 | -5 | 7 | 2 | 12 | 11 | 26 | -16 | * | * | * |
| 99 | 41 | 44 | -4 | 7 | 3 | 14 | 11 | 27 | -15 | 17 | 23 | 13 |
| 100 | 41 | 44 | -4 | 8 | 4 | 16 | 11 | 27 | -15 | 17 | 23 | 14 |
| 101 | 42 | 4 | -4 | 8 | 4 | 14 | 12 | 27 | -14 | 17 | 24 | 14 |
| 102 | 42 | 24 | -4 | 8 | 4 | 14 | 12 | 28 | -14 | 18 | 24 | 14 |
| 103 | 42 | 43 | -4 | 7 | 7 | 12 | 13 | 28 | -14 | 18 | 21 | 14 |
| 104 | 43 | 5 | -4 | 7 | 4 | 13 | 13 | 28 | -14 | 18 | 24 | 14 |
| 105 | 43 | 25 | -4 | 8 | 4 | 14 | 13 | 28 | -13 | 18 | 24 | 15 |
| 106 | 43 | 45 | -3 | 8 | 4 | 15 | 13 | 29 | -13 | 19 | 24 | 15 |
| 107 | 44 | 5 | -3 | 8 | 4 | 15 | 14 | 29 | -13 | 19 | 25 | 16 |
| 108 | 44 | 25 | -4 | 8 | 3 | 13 | 14 | 29 | -13 | 19 | 25 | 16 |
| 109 | 44 | 45 | -4 | 7 | 3 | 13 | 14 | 29 | -12 | 19 | 25 | 17 |
| 110 | 45 | 5 | -4 | 8 | 3 | 14 | 14 | 29 | -13 | 19 | 25 | 16 |
| 111 | 45 | 25 | -3 | 8 | 3 | 15 | 14 | 29 | -13 | 19 | 25 | 17 |
| 112 | 45 | 45 | -3 | 8 | 3 | 15 | 14 | 30 | -13 | 20 | 26 | 17 |
| 113 | 46 | 5 | -4 | 7 | 3 | 13 | 15 | 30 | -12 | 20 | 26 | 17 |
| 114 | 46 | 25 | -4 | 7 | 3 | 13 | * | * | -12 | 20 | 26 | 17 |
| 115 | 49 | 11 | -6 | 7 | 4 | 13 | 14 | 30 | -12 | 21 | 25 | 18 |
| 116 | 49 | 31 | -4 | 6 | 4 | 12 | 14 | 30 | -12 | 21 | 25 | 18 |
| 117 | 49 | 51 | -4 | 7 | 4 | 14 | 14 | 29 | -13 | 20 | 25 | 19 |
| 118 | 51 | 51 | -4 | 7 | 5 | 14 | 15 | 29 | -12 | 20 | 25 | 19 |
| 119 | 52 | 10 | -4 | 7 | 5 | 14 | 14 | 29 | -12 | 21 | 26 | 19 |
| 120 | 52 | 30 | -4 | 7 | 4 | 12 | 15 | 30 | -12 | 21 | 26 | 19 |
| 121 | 54 | 27 | -2 | 8 | 6 | 15 | 15 | 30 | -12 | 21 | 26 | 19 |
| 122 | 54 | 51 | -3 | 8 | 6 | 15 | 15 | 30 | -12 | 21 | 26 | 19 |
| 123 | 55 | 10 | -3 | 7 | 6 | 12 | 14 | 30 | -12 | 21 | 26 | 19 |
| 124 | 56 | 28 | -4 | 7 | 3 | 14 | 15 | 30 | -12 | 21 | 27 | 18 |
| 125 | 56 | 48 | -4 | 7 | 2 | 13 | 14 | 30 | -12 | 21 | 26 | 19 |
| 126 | 57 | 8 | -4 | 7 | 2 | 14 | 15 | 30 | -12 | 21 | 27 | 19 |
| 127 | 57 | 28 | -3 | 7 | 2 | 14 | 15 | 30 | -12 | 21 | 26 | 19 |
| 128 | 57 | 48 | -3 | 8 | 3 | 14 | 15 | 30 | -12 | 22 | 26 | 19 |
| 129 | 58 | 8 | -3 | 7 | 3 | 13 | 15 | 30 | -11 | 21 | 26 | 19 |
| 130 | 58 | 28 | -4 | 7 | 4 | 14 | 14 | 29 | -12 | 21 | 26 | 19 |
| 131 | 58 | 48 | -2 | 8 | 4 | 16 | 14 | 30 | -11 | 21 | 26 | 19 |
| 132 | 59 | 8 | -2 | 8 | 4 | 15 | 15 | 30 | -11 | 21 | 26 | 19 |
| 133 | 59 | 28 | -2 | 9 | 5 | 15 | 15 | 29 | -11 | 21 | 26 | 19 |
| 134 | 59 | 48 | -2 | 8 | 4 | 14 | 15 | 30 | -10 | 21 | 26 | 20 |
| 135 | 60 | 8 | -2 | 8 | 4 | 14 | 15 | 29 | -11 | 21 | 26 | 20 |
| 136 | 60 | 28 | -2 | 8 | 4 | 14 | 15 | 29 | -11 | 21 | 26 | 20 |
| 137 | 60 | 48 | -2 | 9 | 5 | 16 | 15 | 29 | -10 | 21 | 26 | 19 |
| 138 | 61 | 8 | -2 | 8 | 5 | 15 | 15 | 29 | -10 | 21 | 26 | 19 |
| 139 | 61 | 27 | -2 | 8 | 4 | 14 | 14 | 30 | -11 | 21 | 26 | 19 |
| 140 | 62 | 26 | -3 | 7 | 4 | 14 | 15 | 30 | -10 | 21 | 26 | 19 |
| 141 | 62 | 46 | -4 | 6 | 2 | 13 | 15 | 28 | -11 | 21 | 26 | 18 |
| 142 | 63 | 6 | -4 | 6 | 2 | 15 | 15 | 29 | -11 | 21 | 26 | 18 |
| 143 | 65 | 5 | -3 | 7 | 4 | 13 | 15 | 29 | -12 | 21 | 27 | 18 |
| 144 | 65 | 25 | -3 | 8 | 4 | 16 | 15 | 30 | -12 | 21 | 27 | 18 |
| 145 | 65 | 45 | -3 | 8 | 5 | 15 | 16 | 29 | -12 | 21 | 27 | 18 |
| 146 | 66 | 5 | -4 | 7 | 4 | 14 | 16 | 30 | -12 | 21 | 26 | 17 |

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PLT WINDSHD INSIDE LOWER CENTER DEG.C | 4-06 CO-PLY WINDSHD INSIDE UPPER R H DEG.C | 4-07 CENTER PANEL WINDSHD INSIDE LAR C DEG.C | 4-08 CENTER PANEL WINDSHD INSIDE UPR C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 COLL. /YAW CHANG DEG.C |
|-----------------------|----------------------|----------------------|---|--|--|--|--|---|---|--|---|---|
| 147 | 57 | 2 | -3 | 7 | 5 | 14 | 17 | 31 | -12 | 22 | 27 | 18 |
| 148 | 57 | 22 | -2 | 8 | 6 | 14 | 15 | 33 | -12 | 22 | 28 | 18 |
| 149 | 67 | 41 | -2 | 8 | 6 | 14 | 14 | 33 | -12 | 22 | 27 | 19 |
| 150 | 68 | 1 | -3 | 7 | 6 | 14 | 14 | 33 | -14 | 22 | 28 | 19 |
| 151 | 68 | 20 | -3 | 7 | 6 | 12 | 13 | 32 | -14 | 22 | 28 | 19 |
| 152 | 68 | 40 | -3 | 7 | 6 | 14 | 14 | 31 | -15 | 22 | 27 | 18 |
| 153 | 59 | 0 | -3 | 6 | 6 | 13 | 15 | 30 | -16 | 22 | 27 | 18 |
| 154 | 69 | 20 | -3 | 6 | 6 | 11 | 14 | 29 | -17 | 21 | 26 | 18 |
| 155 | 69 | 40 | -4 | 6 | 5 | 12 | 14 | 28 | -19 | 21 | 26 | 17 |
| 156 | 69 | 59 | -2 | 7 | 7 | 13 | 14 | 28 | -21 | 21 | 25 | 18 |
| 157 | 70 | 19 | -3 | 6 | 6 | 12 | 14 | 28 | -22 | 21 | 25 | 18 |
| 158 | 70 | 39 | -4 | 6 | 5 | 12 | 14 | 27 | -23 | 21 | 25 | 19 |
| 159 | 70 | 59 | -4 | 5 | 5 | 13 | 14 | 27 | -24 | 21 | 25 | 18 |
| 160 | 71 | 19 | -5 | 5 | 4 | 15 | 13 | 27 | -24 | 21 | 25 | 17 |
| 161 | 71 | 39 | -5 | 4 | 4 | 15 | 12 | 27 | -25 | 20 | 24 | 17 |
| 162 | 71 | 59 | -6 | 4 | 3 | 14 | 12 | 28 | -26 | 19 | 24 | 17 |
| 163 | 72 | 18 | -6 | 4 | 2 | 15 | 13 | 27 | -26 | 20 | 24 | 17 |
| 164 | 72 | 38 | -6 | 5 | 3 | 16 | 13 | 28 | -27 | 20 | 24 | 17 |
| 165 | 72 | 59 | -6 | 5 | 2 | 15 | 13 | 27 | -26 | 20 | 25 | 17 |
| 166 | 73 | 19 | -7 | 4 | 2 | 14 | 14 | 27 | -26 | 21 | 25 | 18 |
| 167 | 73 | 38 | -8 | 4 | 1 | 14 | 13 | 28 | -25 | 21 | 25 | 18 |
| 168 | 73 | 58 | -8 | 5 | 2 | 14 | 14 | 28 | -24 | 22 | 26 | 18 |
| 169 | 74 | 18 | -7 | 5 | 4 | 13 | 14 | 28 | -23 | 21 | 25 | 18 |
| 170 | 74 | 38 | -7 | 4 | 4 | 12 | 13 | 27 | -23 | 20 | 24 | 17 |
| 171 | 74 | 58 | -7 | 4 | 4 | 12 | 12 | 27 | -22 | 19 | 24 | 16 |
| 172 | 75 | 18 | -6 | 5 | 6 | 14 | 11 | 27 | -22 | 19 | 23 | 15 |
| 173 | 75 | 38 | -6 | 5 | 6 | 13 | 11 | 26 | -22 | 18 | 22 | 14 |
| 174 | 75 | 58 | -6 | 5 | 4 | 12 | 11 | 25 | -22 | 18 | 22 | 14 |
| 175 | 78 | 19 | -7 | 4 | 4 | 12 | 9 | 23 | -23 | 16 | 22 | 11 |
| 176 | 78 | 39 | -7 | 4 | 2 | 11 | 9 | 24 | -24 | 16 | 21 | 11 |
| 177 | 78 | 59 | -7 | 5 | 2 | 11 | 9 | 24 | -25 | 17 | 21 | 11 |
| 178 | 79 | 19 | -6 | 5 | 3 | 13 | 9 | 24 | -26 | 17 | 21 | 12 |
| 179 | 79 | 39 | -6 | 7 | 2 | 16 | 9 | 25 | -26 | 17 | 20 | 13 |
| 180 | 79 | 59 | -6 | 6 | 1 | 16 | 10 | 25 | -26 | 17 | 20 | 14 |
| 181 | 80 | 19 | -8 | 5 | 0 | 13 | 11 | 24 | -27 | 18 | 21 | 15 |
| 182 | 80 | 38 | -8 | 4 | 0 | 11 | 11 | 25 | -27 | 18 | 21 | 15 |
| 183 | 80 | 58 | -8 | 4 | 0 | 12 | 12 | 25 | -26 | 19 | 24 | 16 |
| 184 | 81 | 18 | -8 | 4 | 0 | 12 | 13 | 25 | -25 | 20 | 24 | 17 |
| 185 | 81 | 38 | -8 | 7 | 0 | 14 | 12 | 27 | -24 | 19 | 23 | 17 |
| 186 | 81 | 58 | -8 | 8 | 0 | 14 | 11 | 28 | -23 | 19 | 23 | 17 |
| 187 | 82 | 18 | -8 | 6 | -1 | 11 | 9 | 28 | -24 | 19 | 22 | 17 |
| 188 | 82 | 38 | -8 | 7 | 0 | 12 | 9 | 29 | -23 | 19 | 22 | 18 |
| 189 | 82 | 57 | -7 | 9 | 0 | 14 | 10 | 29 | -23 | 19 | 22 | 19 |
| 190 | 83 | 17 | -7 | 9 | 0 | 15 | 11 | 29 | -23 | 19 | 22 | 19 |
| 191 | 83 | 37 | -7 | 8 | -1 | 14 | 11 | 30 | -24 | 19 | 22 | 19 |
| 192 | 83 | 57 | -8 | 8 | -1 | 13 | 11 | 30 | -24 | 19 | 22 | 19 |
| 193 | 84 | 17 | -7 | 7 | -2 | 11 | 12 | 30 | -24 | 20 | 22 | 20 |
| 194 | 84 | 37 | -7 | 6 | -1 | 14 | 12 | 30 | -24 | 20 | 22 | 20 |
| 195 | 84 | 57 | -6 | 7 | 0 | 14 | 12 | 31 | -24 | 20 | 22 | 20 |
| 196 | 85 | 16 | -6 | 7 | -1 | 16 | 12 | 31 | -24 | 21 | 22 | 21 |

| SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PLT WINDSH INSIDE LOWER CENTER DEG.C | 4-05 CO-PLT WINDSH INSIDE UPPER R H DEG.C | 4-07 CENTER PANEL WINDSH INSIDE LMR C DEG.C | 4-08 CENTER PANEL WINDSH INSIDE UPR C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE PUMP SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE PUMP SERVO HYD IN TEMP DEG.C | 4-14 2STAGE AFCS 1 (COLL- FYAM CHAM) DEG.C |
|----------------|----------------------|----------------------|--|---|---|---|--|---|--|--|--|--|
| 197 | 25 | 36 | -5 | A | -1 | 17 | 12 | 31 | -24 | 21 | 22 | 22 |
| 198 | 25 | 56 | -5 | 9 | -0 | 16 | 14 | 29 | -24 | 21 | 22 | 22 |
| 199 | 26 | 16 | -5 | 9 | -0 | 15 | 14 | 28 | -23 | 21 | 25 | 25 |
| 200 | 26 | 36 | -5 | 11 | 0 | 15 | 13 | 28 | -23 | 20 | 24 | 20 |
| 201 | 26 | 56 | -5 | 9 | -1 | 13 | 12 | 27 | -23 | 19 | 24 | 18 |
| 202 | 27 | 16 | -5 | A | -0 | 12 | 12 | 27 | -24 | 19 | 24 | 18 |
| 203 | 27 | 35 | -5 | 9 | -1 | 14 | 13 | 26 | -24 | 19 | 24 | 18 |
| 204 | 27 | 55 | -5 | A | -1 | 14 | 12 | 25 | -24 | 17 | 23 | 17 |
| 205 | 28 | 15 | -6 | A | -1 | 14 | 13 | 25 | -25 | 20 | 23 | 18 |
| 206 | 28 | 35 | -6 | A | -0 | 14 | 14 | 24 | -25 | 21 | 23 | 18 |
| 207 | 28 | 55 | -6 | A | 0 | 15 | 13 | 26 | -26 | 21 | 23 | 18 |
| 208 | 29 | 15 | -6 | 9 | 0 | 17 | 12 | 27 | -26 | 21 | 23 | 18 |
| 209 | 29 | 35 | -7 | A | 0 | 15 | 12 | 27 | -26 | 21 | 24 | 19 |
| 210 | 29 | 55 | -7 | A | 0 | 15 | 12 | 27 | -27 | 21 | 24 | 19 |
| 211 | 30 | 15 | -7 | 7 | 0 | 15 | 12 | 28 | -27 | 21 | 24 | 19 |
| 212 | 30 | 35 | -7 | 7 | -1 | 14 | 12 | 28 | -28 | 20 | 23 | 19 |
| 213 | 30 | 54 | -7 | 5 | -1 | 12 | 12 | 28 | -28 | 21 | 23 | 19 |
| 214 | 31 | 14 | -7 | 5 | 0 | 14 | 12 | 28 | -28 | 21 | 23 | 21 |
| 215 | 31 | 34 | -6 | 6 | 0 | 15 | 13 | 27 | -28 | 22 | 24 | 21 |
| 216 | 31 | 54 | -6 | 7 | 0 | 16 | 13 | 27 | -28 | 22 | 24 | 20 |
| 217 | 32 | 14 | -7 | 6 | 0 | 15 | 14 | 27 | -28 | 21 | 24 | 20 |
| 218 | 32 | 34 | -8 | 5 | -0 | 14 | 13 | 27 | -28 | 22 | 25 | 21 |
| 219 | 32 | 54 | -8 | 5 | -0 | 15 | 13 | 27 | -28 | 22 | 25 | 22 |
| 220 | 33 | 14 | -8 | 5 | -1 | 14 | 14 | 26 | -27 | 22 | 26 | 22 |
| 221 | 33 | 33 | -8 | 5 | -1 | 14 | 14 | 27 | -27 | 22 | 26 | 22 |
| 222 | 33 | 53 | -8 | 7 | -2 | 14 | 14 | 27 | -26 | 23 | 27 | 22 |
| 223 | 34 | 13 | -8 | A | -2 | 13 | 12 | 28 | -26 | 22 | 27 | 22 |
| 224 | 34 | 33 | -8 | A | -2 | 12 | 12 | 29 | -26 | 22 | 27 | 22 |
| 225 | 34 | 53 | -8 | 9 | -3 | 13 | 11 | 30 | -25 | 22 | 27 | 22 |
| 226 | 35 | 12 | -6 | 11 | -3 | 13 | 12 | 30 | -25 | 22 | 27 | 22 |
| 227 | 35 | 32 | -6 | 11 | -2 | 12 | 13 | 30 | -25 | 22 | 27 | 22 |
| 228 | 35 | 52 | -6 | 9 | -2 | 13 | 13 | 31 | -25 | 22 | 27 | 22 |
| 229 | 36 | 12 | -6 | 10 | -3 | 13 | 14 | 31 | -24 | 22 | 27 | 22 |
| 230 | 36 | 31 | -6 | 11 | -3 | 13 | 14 | 31 | -24 | 22 | 27 | 22 |
| 231 | 36 | 51 | -5 | 11 | -2 | 14 | 14 | 31 | -24 | 22 | 27 | 22 |
| 232 | 37 | 11 | -5 | 11 | -2 | 14 | 14 | 31 | -24 | 22 | 27 | 22 |
| 233 | 37 | 31 | -5 | 10 | -3 | 12 | 15 | 29 | -25 | 22 | 27 | 22 |
| 234 | 37 | 50 | -5 | A | -2 | 12 | 15 | 29 | -24 | 22 | 27 | 22 |
| 235 | 38 | 10 | -5 | 8 | -1 | 13 | 16 | 29 | -23 | 23 | 27 | 24 |
| 236 | 38 | 30 | -6 | 7 | -2 | 13 | 16 | 29 | -22 | 24 | 27 | 24 |
| 237 | 38 | 50 | -6 | 7 | -2 | 12 | 16 | 29 | -21 | 24 | 27 | 25 |
| 238 | 39 | 10 | -6 | 6 | -2 | 13 | 17 | 29 | -20 | 25 | 27 | 26 |
| 239 | 39 | 30 | -5 | 7 | -0 | 16 | 17 | 30 | -18 | 27 | 27 | 26 |
| 240 | 39 | 50 | -5 | 7 | -1 | 17 | 17 | 31 | -17 | 26 | 27 | 27 |
| 241 | 40 | 9 | -5 | 9 | 0 | 18 | 16 | 31 | -17 | 26 | 27 | 28 |
| 242 | 40 | 29 | -5 | 9 | 0 | 19 | 17 | 30 | -18 | 27 | 27 | 28 |
| 243 | 40 | 49 | -6 | A | -1 | 17 | 17 | 29 | -20 | 27 | 27 | 28 |
| 244 | 40 | 69 | -6 | 7 | -1 | 15 | 17 | 30 | -20 | 27 | 27 | 28 |
| 245 | 40 | 89 | -6 | 8 | -2 | 14 | 17 | 30 | -20 | 27 | 27 | 27 |
| 246 | 40 | 109 | -6 | 9 | -2 | 13 | 17 | 30 | -21 | 27 | 27 | 27 |

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PLT WINDSH INSIDE LOWER CENTER DEG.C | 4-06 CO-PLT WINDSH INSIDE UPPER R H DEG.C | 4-07 CENTER PANEL WINDSH INSIDE LWR C DR.C | 4-08 CENTER PANEL WINDSH INSIDE UPR C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCO 1 (COLL. AVAN CHAN) DEG.C |
|-----------------------|----------------------|----------------------|--|---|--|---|--|---|---|--|---|--|
| 247 | 102 | 8 | * | * | 0 | 15 | 17 | 29 | -22 | 27 | 29 | 27 |
| 248 | 102 | 8 | -4 | 8 | 0 | 15 | 15 | 29 | -23 | 27 | 29 | 28 |
| 249 | 102 | 4A | -6 | 7 | -1 | 15 | 16 | 29 | -23 | 27 | 29 | 28 |
| 250 | 103 | 6 | -6 | 7 | -1 | 14 | 16 | 29 | -24 | 27 | 29 | 28 |
| 251 | 103 | 6 | -6 | 6 | -1 | 14 | 16 | 30 | -24 | 26 | 28 | 29 |
| 252 | 103 | 47 | -4 | 6 | 0 | 15 | 15 | 30 | -25 | 25 | 28 | 28 |
| 253 | 104 | 7 | -4 | 6 | 0 | 15 | 15 | 30 | -26 | 25 | 28 | 28 |
| 254 | 104 | 27 | -4 | 7 | 0 | 16 | 15 | 30 | -26 | 26 | 28 | 29 |
| 255 | 104 | 46 | -3 | 7 | 0 | 15 | 15 | 29 | -26 | 26 | 28 | 29 |
| 256 | 105 | 6 | -4 | 7 | 0 | 15 | 14 | 29 | -27 | 26 | 28 | 29 |
| 257 | 105 | 26 | -5 | 7 | 0 | 15 | 14 | 29 | -26 | 27 | 29 | 29 |
| 258 | 105 | 46 | -4 | 4 | 0 | 16 | 14 | 29 | -27 | 26 | 29 | 27 |
| 259 | 106 | 6 | -4 | 4 | 0 | 17 | 14 | 29 | -27 | 26 | 28 | 27 |
| 260 | 106 | 25 | -4 | 8 | 0 | 14 | 14 | 29 | -28 | 25 | 28 | 27 |
| 261 | 106 | 45 | -5 | 7 | 0 | 14 | 14 | 29 | -27 | 25 | 28 | 27 |
| 262 | 107 | 6 | -5 | 8 | -1 | 14 | 14 | 29 | -27 | 25 | 28 | 27 |
| 263 | 107 | 25 | -5 | 9 | -1 | 16 | 13 | 29 | -28 | 25 | 28 | 27 |
| 264 | 107 | 45 | -4 | 9 | 0 | 15 | 13 | 28 | -28 | 25 | 28 | 27 |
| 265 | 108 | 4 | -6 | 8 | 0 | 13 | 14 | 28 | -27 | 25 | 28 | 25 |
| 266 | 108 | 24 | -6 | 6 | 2 | 12 | 12 | 28 | -26 | 25 | 28 | 24 |
| 269 | 109 | 23 | -6 | 7 | 2 | 14 | 11 | 27 | -22 | 22 | 26 | 19 |
| 270 | 109 | 43 | -5 | 7 | 2 | 13 | 11 | 27 | -21 | 21 | 26 | 18 |
| 271 | 110 | 3 | -4 | 6 | 3 | 16 | 11 | 26 | -21 | 21 | 25 | 17 |
| 272 | 110 | 22 | -5 | 7 | 2 | 15 | 11 | 26 | -20 | 20 | 25 | 16 |
| 273 | 110 | 42 | -4 | 7 | 1 | 15 | 11 | 26 | -21 | 19 | 25 | 15 |
| 274 | 111 | 2 | -4 | 7 | 2 | 15 | 11 | 26 | -22 | 20 | 25 | 16 |
| 275 | 111 | 22 | -5 | 6 | 1 | 14 | 10 | 25 | -23 | 20 | 24 | 16 |
| 276 | 111 | 41 | -5 | 6 | 1 | 13 | 11 | 25 | -23 | 20 | 24 | 16 |
| 277 | 112 | 1 | -5 | 5 | 1 | 14 | 12 | 25 | -23 | 21 | 25 | 17 |
| 278 | 112 | 21 | -6 | 5 | 1 | 15 | 11 | 27 | -23 | 21 | 25 | 19 |
| 279 | 112 | 40 | -6 | 6 | 0 | 14 | 12 | 27 | -22 | 22 | 27 | 20 |
| 280 | 113 | 0 | -6 | 5 | 0 | 14 | 12 | 28 | -22 | 22 | 27 | 21 |
| 281 | 113 | 20 | -6 | 6 | 2 | 15 | 12 | 27 | -21 | 22 | 27 | 21 |
| 282 | 113 | 40 | -8 | 5 | 0 | 14 | 12 | 27 | -21 | 22 | 26 | 22 |
| 283 | 113 | 59 | -6 | 8 | 0 | 15 | 14 | 28 | -20 | 24 | 28 | 22 |
| 284 | 114 | 19 | -6 | 8 | -0 | 14 | 14 | 29 | -20 | 24 | 28 | 22 |
| 285 | 114 | 39 | -6 | 10 | -0 | 15 | 14 | 29 | -20 | 24 | 28 | 22 |
| 286 | 114 | 5A | -6 | 9 | -1 | 15 | 15 | 29 | -20 | 25 | 28 | 23 |
| 287 | 115 | 8 | -6 | 8 | -0 | 13 | 14 | 30 | -21 | 24 | 27 | 23 |
| 288 | 115 | 38 | -6 | 8 | -0 | 16 | 13 | 30 | -21 | 24 | 26 | 23 |
| 289 | 115 | 56 | -6 | 8 | -1 | 15 | 13 | 31 | -21 | 24 | 26 | 24 |
| 290 | 116 | 17 | -5 | 8 | -0 | 16 | 13 | 31 | -22 | 24 | 25 | 24 |
| 291 | 116 | 37 | -5 | 7 | -0 | 14 | 13 | 31 | -22 | 24 | 25 | 24 |
| 292 | 116 | 56 | -8 | 7 | -3 | 15 | 12 | 30 | -23 | 23 | 25 | 23 |
| 293 | 117 | 16 | -6 | 9 | -1 | 14 | 12 | 28 | -23 | 24 | 26 | 23 |
| 294 | 117 | 36 | -7 | 8 | -3 | 15 | 12 | 25 | -23 | 24 | 26 | 24 |
| 295 | 117 | 55 | -7 | 9 | -2 | 15 | 13 | 23 | -23 | 24 | 26 | 24 |
| 296 | 118 | 15 | -5 | 9 | -2 | 14 | 14 | 22 | -24 | 24 | 26 | 25 |
| 297 | 118 | 34 | -5 | 9 | -6 | 13 | 13 | 21 | -24 | 25 | 26 | 26 |
| 298 | 119 | 54 | -6 | 9 | -3 | 14 | 14 | 20 | -23 | 25 | 26 | 27 |

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PLY WINDSH INSIDE LOWER CENTER DEG.C | 4-06 CO-PLY WINDSH INSIDE UPPER R H DEG.C | 4-07 CENTER PANEL WINDSH INSIDE LWR C DEG.C | 4-08 CENTER PANEL WINDSH INSIDE UPR C DEG.C | 4-09 1STAGE PUMP INLET HYD. TEMP DEG.C | 4-10 1STAGE PUMP OUTLET HYD. TEMP DEG.C | 4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 FCOLL. /VAM CHANI DEG.C |
|-----------------------|----------------------|----------------------|--|---|---|---|--|---|---|--|---|--|
| 299 | 119 | 13 | -6 | 9 | -7 | 15 | 14 | 19 | -23 | 27 | 35 | 28 |
| 300 | 119 | 33 | -5 | 12 | -5 | 15 | 15 | 14 | -22 | 28 | 36 | 29 |
| 301 | 119 | 52 | -6 | 13 | -6 | 14 | 14 | 18 | -21 | 29 | 37 | 30 |
| 302 | 120 | 12 | -4 | 15 | -3 | 13 | 13 | 17 | -20 | 30 | 38 | 31 |
| 303 | 120 | 32 | -4 | 16 | -6 | 15 | 12 | 17 | -19 | 32 | 39 | 32 |
| 304 | 120 | 51 | -3 | 17 | -5 | 14 | 12 | 17 | -18 | 32 | 41 | 34 |
| 305 | 121 | 11 | -2 | 16 | -0 | 16 | 12 | 16 | -17 | 33 | 41 | 32 |
| 306 | 121 | 30 | -2 | 13 | -1 | 15 | 12 | 16 | -16 | 33 | 42 | 32 |
| 307 | 121 | 50 | -2 | 12 | -1 | 15 | 12 | 16 | -15 | 33 | 42 | 32 |
| 308 | 122 | 9 | -2 | 12 | -2 | 15 | 12 | 16 | -14 | 33 | 38 | 32 |
| 309 | 122 | 29 | -2 | 11 | -2 | 14 | 13 | 16 | -13 | 33 | 34 | 31 |
| 310 | 122 | 48 | -3 | 9 | -2 | 13 | 11 | 14 | -15 | 32 | 32 | 30 |
| 311 | 123 | 8 | -3 | 9 | -2 | 12 | 14 | 16 | -12 | 34 | 31 | 30 |
| 312 | 123 | | -3 | 9 | -2 | 12 | 14 | 16 | -12 | 34 | 31 | 30 |

MH-53C S/N 68-19354
 ARCTIC TEST
 21 JANUARY 1971
 RUN NO. 7

-42 DEG C / -43 DEG F

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-16 2STAGE AFCS 1 / ROLL CHAN) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C | 4-19 AFCS 2 / ROLL CHAN) DEG.C | 4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP DEG.C | 4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|-----------------|----------------|----------------|---------------------------------------|---------------------------------------|--|--------------------------------|--|---|---------------------------------------|--|--|---|
| 1 | 3 | 1 | -10 | -18 | -20 | -18 | -26 | -24 | -12 | -12 | -21 | -22 |
| 2 | 3 | 21 | -10 | -19 | -20 | -17 | -26 | -24 | -13 | -11 | -21 | -22 |
| 3 | 3 | 42 | -10 | -18 | -20 | -18 | -26 | -24 | -13 | -12 | -22 | -22 |
| 4 | 4 | 2 | -10 | -19 | -20 | -17 | -26 | -24 | -13 | -11 | -21 | -21 |
| 5 | 4 | 23 | -10 | -19 | -19 | -17 | -26 | -24 | -13 | -12 | -21 | -21 |
| 6 | 4 | 43 | -10 | -6 | -9 | -17 | -26 | -24 | -13 | -12 | 7 | -8 |
| 7 | 5 | 4 | -10 | -5 | -5 | -16 | -26 | -24 | -13 | -11 | 12 | -2 |
| 8 | 5 | 24 | -10 | -5 | -3 | -16 | -27 | -25 | -13 | -12 | 16 | 2 |
| 9 | 5 | 45 | -9 | -5 | -0 | -16 | -27 | -26 | -13 | -12 | 18 | 7 |
| 10 | 6 | 5 | -9 | -5 | 1 | -16 | -26 | -26 | -12 | -12 | 18 | 11 |
| 11 | 6 | 26 | -8 | -4 | 2 | -16 | -27 | -26 | -12 | -12 | 22 | 12 |
| 12 | 6 | 66 | -8 | -3 | 4 | -16 | -26 | -24 | -12 | -11 | 24 | 6 |
| 13 | 7 | 7 | -8 | -2 | 5 | -16 | -26 | -26 | -12 | -11 | 26 | 9 |
| 14 | 7 | 27 | -8 | -2 | 6 | -16 | -27 | -26 | -12 | -11 | 27 | 4 |
| 15 | 7 | 47 | -7 | 1 | 7 | -16 | -27 | -26 | -11 | -10 | 28 | 10 |
| 16 | 8 | 8 | -6 | 2 | 9 | -15 | -27 | -24 | -10 | -10 | 29 | 10 |
| 17 | 8 | 28 | -2 | 4 | 10 | -12 | -27 | -22 | -9 | -10 | 29 | 10 |
| 18 | 8 | 48 | 2 | 5 | 11 | -12 | -27 | -22 | -8 | -9 | 31 | 12 |
| 19 | 9 | 9 | 5 | 6 | 11 | -12 | -27 | -22 | -8 | -9 | 32 | 15 |
| 20 | 9 | 29 | 9 | 7 | 13 | -11 | -27 | -21 | -6 | -8 | 33 | 17 |
| 21 | 9 | 49 | 11 | 8 | 14 | -11 | -26 | -21 | -6 | -7 | 34 | 18 |
| 22 | 10 | 9 | 13 | 15 | 15 | -11 | -26 | -21 | -4 | -7 | 35 | 15 |
| 23 | 10 | 30 | 15 | 16 | 16 | -10 | -26 | -20 | -3 | -4 | 36 | 22 |
| 24 | 10 | 50 | 17 | 17 | 17 | -10 | -26 | -20 | -2 | -4 | 36 | 22 |
| 25 | 11 | 10 | 18 | 18 | 18 | -9 | -26 | -20 | -2 | -4 | 37 | 18 |
| 26 | 11 | 30 | 19 | 19 | 21 | -9 | -26 | -19 | 0 | -1 | 42 | 19 |
| 27 | 11 | 51 | 20 | 14 | 20 | -8 | -26 | -19 | 1 | -2 | 44 | 27 |
| 28 | 12 | 11 | 21 | 15 | 20 | -8 | -26 | -19 | 1 | -2 | 44 | 27 |
| 29 | 12 | 31 | 22 | 15 | 22 | -7 | -26 | -19 | 2 | -1 | 41 | 25 |
| 30 | 12 | 51 | 22 | 16 | 22 | -7 | -26 | -19 | 2 | -1 | 40 | 23 |
| 31 | 13 | 11 | 23 | 16 | 23 | -7 | -26 | -18 | 3 | 0 | 40 | 22 |
| 32 | 13 | 32 | 25 | 16 | 24 | -7 | -26 | -18 | 3 | 0 | 41 | 23 |
| 33 | 13 | 52 | 25 | 16 | 25 | -6 | -27 | -19 | 4 | 0 | 41 | 25 |
| 34 | 14 | 12 | 23 | 17 | 25 | -6 | -27 | -19 | 5 | 0 | 41 | 28 |
| 35 | 14 | 32 | 27 | 17 | 26 | -5 | -27 | -20 | 6 | 1 | 41 | 27 |
| 36 | 14 | 52 | 26 | 17 | 26 | -5 | -27 | -20 | 6 | 1 | 41 | 26 |
| 37 | 15 | 13 | 26 | 17 | 25 | -5 | -26 | -20 | 6 | 1 | 41 | 18 |
| 38 | 15 | 33 | 25 | 17 | 25 | -5 | -27 | -21 | 7 | 1 | 41 | 17 |
| 39 | 15 | 53 | 25 | 17 | 25 | -4 | -26 | -21 | 7 | 1 | 41 | 15 |
| 40 | 16 | 11 | 25 | 17 | 26 | -4 | -26 | -22 | 7 | 1 | 41 | 15 |
| 41 | 16 | 33 | 24 | 17 | 26 | -4 | -25 | -22 | 7 | 1 | 41 | 14 |
| 42 | 16 | 54 | 24 | 17 | 27 | -4 | -24 | -22 | 7 | 1 | 41 | 16 |
| 43 | 17 | 14 | 25 | 17 | 27 | -4 | -26 | -22 | 7 | 1 | 41 | 16 |
| 44 | 17 | 34 | 25 | 16 | 27 | -4 | -26 | -22 | 7 | 1 | 41 | 22 |
| 45 | 17 | 54 | 25 | 17 | 27 | -4 | -26 | -22 | 7 | 1 | 41 | 24 |

| SWAMP COUNT | 4-20 TIME MIN. | 4-23 TIME SEC. | 4-16 STAGE /SPITCH /ROLL /CHAN) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C | 4-19 UTIL. AFCS 2 /SPITCH /ROLL /CHAN) DEG.C | 4-20 ROTARY PUMPER /STAGE INLET TEMP DEG.C | 4-21 ROTARY PUMPER UTIL. INLET TEMP DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP DEG.C | 4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|----------------|----------------------|----------------------|--|---|--|--|--|---|---|--|--|---|
| 46 | 18 | 14 | 26 | 17 | 27 | 44 | -26 | -22 | 7 | 0 | 41 | 23 |
| 47 | 18 | 34 | 75 | 17 | 26 | -3 | -25 | -22 | 8 | 0 | 41 | 22 |
| 48 | 18 | 54 | 26 | 16 | 26 | -4 | -24 | -22 | 8 | 2 | 40 | 23 |
| 49 | 19 | 14 | 25 | 16 | 28 | -3 | -24 | -22 | 8 | 1 | 40 | 23 |
| 50 | 19 | 14 | 25 | 17 | 25 | -3 | -23 | -22 | 9 | 1 | 41 | 23 |
| 51 | 19 | 54 | 25 | 16 | 27 | -3 | -23 | -22 | 9 | 2 | 40 | 24 |
| 52 | 20 | 15 | 25 | 18 | 28 | -3 | -23 | -22 | 9 | 2 | 40 | 25 |
| 53 | 20 | 35 | 24 | 16 | 26 | -3 | -24 | -22 | 9 | 1 | 40 | 25 |
| 54 | 20 | 55 | 24 | 16 | 26 | -3 | -24 | -22 | 9 | 2 | 40 | 25 |
| 55 | 21 | 15 | 24 | 17 | 25 | -3 | -24 | -22 | 9 | 2 | 40 | 17 |
| 56 | 21 | 35 | 24 | 16 | 26 | -2 | -24 | -22 | 9 | 1 | 40 | 22 |
| 57 | 21 | 55 | 25 | 16 | 26 | -3 | -24 | -22 | 9 | 2 | 40 | 23 |
| 58 | 22 | 15 | 25 | 16 | 25 | -3 | -24 | -22 | 9 | 1 | 40 | 24 |
| 59 | 22 | 35 | 24 | 15 | 22 | -2 | -24 | -21 | 9 | 1 | 39 | 24 |
| 60 | 22 | 55 | 22 | 11 | 20 | -3 | -24 | -21 | 7 | 0 | 37 | 15 |
| 61 | 23 | 15 | 21 | 11 | 21 | -5 | -23 | -22 | 5 | 0 | 35 | 13 |
| 62 | 23 | 16 | 19 | 11 | 21 | -6 | -22 | -22 | 4 | 0 | 35 | 14 |
| 63 | 23 | 36 | 18 | 12 | 21 | -7 | -21 | -21 | 2 | 0 | 35 | 19 |
| 64 | 24 | 16 | 18 | 12 | 21 | -8 | -20 | -20 | 2 | 0 | 34 | 19 |
| 65 | 25 | 25 | 17 | 11 | 20 | -10 | -19 | -20 | 0 | 0 | 33 | 18 |
| 66 | 25 | 45 | 16 | 11 | 19 | -11 | -18 | -19 | 0 | 0 | 33 | 18 |
| 67 | 26 | 5 | 16 | 11 | 20 | -12 | -18 | -19 | 0 | 0 | 33 | 17 |
| 68 | 26 | 3 | 14 | 10 | 19 | -14 | -16 | -18 | -1 | -1 | 33 | 18 |
| 69 | 30 | 41 | 14 | 9 | 18 | -16 | -17 | -18 | -3 | -4 | 31 | 12 |
| 70 | 31 | 1 | 14 | 9 | 18 | -16 | -18 | -19 | -4 | -4 | 31 | 13 |
| 71 | 31 | 21 | 14 | 9 | 17 | -16 | -18 | -19 | -4 | -4 | 31 | 13 |
| 72 | 31 | 42 | 14 | 9 | 17 | -16 | -18 | -19 | -4 | -4 | 31 | 14 |
| 73 | 32 | 41 | 14 | 8 | 17 | -17 | -18 | -19 | -5 | -4 | 30 | 16 |
| 74 | 33 | 1 | 12 | 8 | 17 | -17 | -18 | -19 | -5 | -4 | 31 | 17 |
| 75 | 33 | 21 | 12 | 8 | 16 | -18 | -18 | -19 | -5 | -4 | 30 | 18 |
| 76 | 33 | 41 | 12 | 8 | 16 | -17 | -19 | -19 | -5 | -4 | 31 | 17 |
| 77 | 34 | 2 | 12 | 8 | 16 | -18 | -18 | -20 | -5 | -4 | 30 | 15 |
| 78 | 34 | 22 | 12 | 8 | 16 | -18 | -17 | -20 | -6 | -4 | 31 | 13 |
| 79 | 34 | 42 | 12 | 8 | 16 | -18 | -17 | -20 | -6 | -4 | 30 | 12 |
| 80 | 35 | 2 | 13 | 8 | 16 | -17 | -17 | -20 | -5 | -4 | 31 | 12 |
| 81 | 35 | 22 | 13 | 8 | 16 | -17 | -16 | -20 | -5 | -4 | 30 | 12 |
| 82 | 35 | 42 | 13 | 8 | 16 | -17 | -16 | -20 | -5 | -4 | 31 | 12 |
| 83 | 36 | 3 | 13 | 8 | 16 | -17 | -16 | -20 | -5 | -4 | 31 | 14 |
| 84 | 36 | 23 | 14 | 8 | 16 | -17 | -16 | -20 | -5 | -4 | 30 | 14 |
| 85 | 36 | 43 | 14 | 8 | 17 | -17 | -16 | -20 | -5 | -4 | 31 | 14 |
| 86 | 37 | 3 | 13 | 8 | 16 | -17 | -16 | -20 | -5 | -4 | 31 | 14 |
| 87 | 37 | 23 | 13 | 8 | 17 | -17 | -16 | -20 | -5 | -3 | 31 | 14 |
| 88 | 37 | 43 | 14 | 8 | 17 | -17 | -16 | -20 | -5 | -3 | 31 | 14 |
| 89 | 38 | 3 | 14 | 8 | 17 | -17 | -16 | -20 | -5 | -3 | 31 | 14 |
| 90 | 38 | 23 | 14 | 8 | 16 | -17 | -16 | -20 | -5 | -3 | 31 | 14 |
| 91 | 38 | 44 | 14 | 8 | 17 | -17 | -16 | -20 | -5 | -3 | 31 | 14 |
| 92 | 39 | 4 | 14 | 9 | 17 | -17 | -16 | -20 | -4 | -2 | 32 | 14 |
| 93 | 39 | 24 | 14 | 9 | 17 | -17 | -16 | -20 | -4 | -3 | 31 | 15 |
| 94 | 39 | 44 | 14 | 9 | 17 | -17 | -16 | -20 | -4 | -3 | 31 | 15 |
| 95 | 40 | 4 | 14 | 9 | 17 | -17 | -16 | -20 | -4 | -3 | 31 | 15 |

| -01 SHEEP COUNT | 4-02 TIME MIN. | 4-01 TIME SEC. | 4-16 2STAGE AFCS 1 {PITCH /ROLL CHAM) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C | 4-19 UTIL AFCS 2 (PITCH / ROLL CHAM) DEG.C | 4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C | 4-22 WINCH FUMP INLET HYD. TEMP. DEG.C | 4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|--|--|---|--|--|--|---|
| | | | | | | | | | | | | |
| 97 | 41 | 44 | 15 | 9 | 17 | -16 | -14 | -15 | -4 | -2 | 32 | 18 |
| 99 | 41 | 44 | 15 | 9 | 17 | -16 | -14 | -15 | -4 | -2 | 32 | 18 |
| 100 | 41 | 44 | 15 | 9 | 17 | -16 | -14 | -15 | -4 | -2 | 32 | 18 |
| 101 | 42 | 4 | 16 | 10 | 18 | -15 | -13 | -14 | -3 | -2 | 32 | 19 |
| 102 | 42 | 24 | 17 | 10 | 18 | -15 | -13 | -14 | -2 | -2 | 32 | 18 |
| 103 | 42 | 41 | 17 | 10 | 17 | -16 | -14 | -15 | -3 | -2 | 32 | 17 |
| 104 | 43 | 5 | 17 | 10 | 18 | -15 | -12 | -13 | -2 | -2 | 33 | 18 |
| 105 | 43 | 25 | 17 | 10 | 18 | -15 | -12 | -14 | -2 | -1 | 33 | 18 |
| 106 | 43 | 45 | 18 | 10 | 18 | -14 | -12 | -13 | -2 | -1 | 33 | 18 |
| 107 | 44 | 5 | 18 | 10 | 18 | -14 | -12 | -13 | -1 | -0 | 33 | 18 |
| 108 | 44 | 25 | 18 | 11 | 19 | -14 | -12 | -13 | -1 | -0 | 34 | 18 |
| 109 | 44 | 45 | 18 | 11 | 19 | -14 | -12 | -13 | -1 | -0 | 33 | 19 |
| 110 | 44 | 45 | 18 | 11 | 19 | -14 | -12 | -13 | -1 | -0 | 34 | 19 |
| 111 | 45 | 25 | 18 | 11 | 19 | -13 | -12 | -13 | -0 | 0 | 34 | 20 |
| 112 | 45 | 45 | 18 | 11 | 19 | -13 | -12 | -13 | -0 | -0 | 34 | 20 |
| 113 | 46 | 5 | 19 | 11 | 19 | -12 | -12 | -13 | 0 | 0 | 34 | 20 |
| 114 | 46 | 25 | 19 | 11 | 19 | -12 | -11 | -12 | 0 | 0 | 34 | 20 |
| 115 | 49 | 11 | 19 | 11 | 20 | -10 | -12 | -13 | -0 | 0 | 33 | 22 |
| 116 | 49 | 31 | 19 | 11 | 19 | -10 | -12 | -13 | -0 | 0 | 33 | 22 |
| 117 | 49 | 51 | 18 | 11 | 20 | -10 | -12 | -13 | -0 | 0 | 33 | 22 |
| 118 | 51 | 50 | 18 | 11 | 19 | -10 | -12 | -13 | -0 | 0 | 33 | 22 |
| 119 | 52 | 10 | 18 | 11 | 19 | -10 | -12 | -13 | -2 | -2 | 33 | 22 |
| 120 | 52 | 30 | 18 | 11 | 19 | -10 | -12 | -13 | -2 | -2 | 33 | 22 |
| 121 | 54 | 27 | 18 | 11 | 19 | -10 | -11 | -12 | -2 | -2 | 34 | 22 |
| 122 | 54 | 51 | 18 | 11 | 20 | -10 | -11 | -12 | -2 | -2 | 34 | 22 |
| 123 | 55 | 10 | 19 | 11 | 19 | -11 | -12 | -12 | -3 | -3 | 34 | 22 |
| 124 | 56 | 28 | 19 | 11 | 19 | -10 | -11 | -12 | -1 | -1 | 34 | 21 |
| 125 | 56 | 48 | 19 | 11 | 19 | -10 | -11 | -12 | -1 | -1 | 34 | 20 |
| 126 | 57 | 8 | 20 | 11 | 19 | -10 | -11 | -12 | -0 | 0 | 34 | 19 |
| 127 | 57 | 28 | 19 | 11 | 19 | -10 | -11 | -12 | -0 | 0 | 34 | 19 |
| 128 | 57 | 48 | 19 | 11 | 19 | -9 | -11 | -12 | -0 | 0 | 34 | 20 |
| 129 | 58 | 6 | 18 | 11 | 19 | -9 | -10 | -12 | -0 | 0 | 34 | 20 |
| 130 | 58 | 28 | 19 | 11 | 19 | -9 | -10 | -12 | -0 | 0 | 34 | 19 |
| 131 | 58 | 48 | 19 | 11 | 19 | -9 | -10 | -12 | -1 | -1 | 33 | 19 |
| 132 | 59 | 8 | 18 | 11 | 19 | -8 | -11 | -11 | -1 | -1 | 33 | 19 |
| 133 | 59 | 28 | 18 | 11 | 19 | -8 | -11 | -11 | -1 | -1 | 33 | 20 |
| 134 | 59 | 48 | 18 | 11 | 19 | -8 | -10 | -11 | -1 | -1 | 33 | 19 |
| 135 | 60 | 8 | 18 | 11 | 19 | -8 | -10 | -11 | -1 | -1 | 33 | 19 |
| 136 | 60 | 28 | 17 | 11 | 19 | -8 | -10 | -11 | -2 | -2 | 33 | 19 |
| 137 | 60 | 48 | 17 | 11 | 19 | -8 | -10 | -11 | -1 | -1 | 33 | 20 |
| 138 | 61 | 8 | 18 | 11 | 19 | -8 | -9 | -11 | -1 | -1 | 33 | 20 |
| 139 | 61 | 27 | 18 | 11 | 19 | -8 | -9 | -11 | -1 | -1 | 34 | 21 |
| 140 | 62 | 46 | 18 | 11 | 19 | -8 | -10 | -11 | -1 | -1 | 34 | 22 |
| 141 | 62 | 26 | 18 | 11 | 19 | -8 | -10 | -11 | -1 | -1 | 34 | 21 |
| 142 | 63 | 46 | 18 | 11 | 19 | -8 | -10 | -11 | -2 | -2 | 34 | 21 |
| 143 | 63 | 6 | 18 | 12 | 19 | -9 | -11 | -11 | -1 | -1 | 34 | 22 |
| 144 | 65 | 25 | 19 | 11 | 19 | -10 | -10 | -11 | -1 | -1 | 33 | 22 |
| 145 | 65 | 45 | 19 | 11 | 19 | -10 | -10 | -11 | -1 | -1 | 34 | 22 |
| 146 | 65 | 5 | 18 | 11 | 19 | -10 | -10 | -11 | -0 | 0 | 34 | 22 |
| 146 | 65 | 5 | 18 | 11 | 19 | -10 | -10 | -11 | -0 | 0 | 33 | 22 |

| SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-26 2STAGE AFCS 1 /PITCH /ROLL CHAN) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C | 4-19 UTIL AFCS 2 /PITCH / ROLL CHAN) DEG.C | 4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP DEG.C | 4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
|----------------|----------------------|----------------------|---|---|--|--|--|---|---|--|--|---|
| 197 | 85 | 36 | 19 | 12 | 21 | -12 | -23 | -22 | 0 | -3 | 35 | 23 |
| 198 | 85 | 56 | 19 | 12 | 21 | -12 | -23 | -23 | 0 | -3 | 36 | 20 |
| 199 | 86 | 16 | 19 | 12 | 22 | -11 | -23 | -22 | 0 | -3 | 28 | 12 |
| 200 | 86 | 36 | 18 | 11 | 21 | -12 | -22 | -22 | -2 | -4 | 33 | 18 |
| 201 | 86 | 56 | 17 | 11 | 21 | -13 | -22 | -21 | -2 | -4 | 34 | 16 |
| 202 | 87 | 16 | 17 | 11 | 21 | -12 | -21 | -22 | -2 | -4 | 34 | 19 |
| 203 | 87 | 35 | 17 | 11 | 20 | -13 | -21 | -22 | -2 | -4 | 34 | 13 |
| 204 | 87 | 55 | 16 | 11 | 20 | -13 | -23 | -22 | -2 | -4 | 34 | 12 |
| 205 | 88 | 15 | 17 | 12 | 19 | -12 | -24 | -24 | -2 | -4 | 34 | 13 |
| 206 | 88 | 35 | 17 | 11 | 21 | -13 | -24 | -25 | -2 | -4 | 34 | 14 |
| 207 | 88 | 55 | 18 | 11 | 19 | -12 | -26 | -26 | -1 | -4 | 34 | 16 |
| 208 | 89 | 15 | 18 | 12 | 20 | -12 | -26 | -27 | -1 | -4 | 34 | 17 |
| 209 | 89 | 35 | 17 | 11 | 19 | -12 | -27 | -28 | -2 | -4 | 34 | 19 |
| 210 | 89 | 55 | 18 | 11 | 19 | -12 | -27 | -28 | -2 | -4 | 34 | 19 |
| 211 | 90 | 15 | 18 | 12 | 19 | -12 | -28 | -29 | -2 | -4 | 34 | 19 |
| 212 | 90 | 35 | 18 | 11 | 19 | -12 | -28 | -29 | -2 | -4 | 34 | 18 |
| 213 | 90 | 54 | 18 | 12 | 19 | -12 | -28 | -28 | -2 | -4 | 34 | 18 |
| 214 | 91 | 14 | 19 | 12 | 20 | -12 | -28 | -28 | -1 | -4 | 34 | 19 |
| 215 | 91 | 34 | 19 | 12 | 19 | -12 | -28 | -29 | -1 | -4 | 34 | 18 |
| 216 | 91 | 54 | 19 | 12 | 19 | -12 | -28 | -29 | -1 | -4 | 34 | 19 |
| 217 | 92 | 14 | 18 | 11 | 19 | -11 | -28 | -29 | -1 | -4 | 35 | 22 |
| 218 | 92 | 34 | 19 | 12 | 19 | -11 | -28 | -29 | -1 | -4 | 35 | 22 |
| 219 | 92 | 54 | 20 | 12 | 19 | -11 | -28 | -29 | -0 | -4 | 35 | 21 |
| 220 | 93 | 14 | 20 | 12 | 19 | -11 | -28 | -29 | 0 | -3 | 34 | 21 |
| 221 | 93 | 33 | 20 | 12 | 19 | -11 | -28 | -29 | 0 | -3 | 35 | 19 |
| 222 | 93 | 53 | 19 | 12 | 21 | -10 | -28 | -28 | 0 | -3 | 35 | 20 |
| 223 | 94 | 13 | 19 | 12 | 20 | -10 | -28 | -28 | 0 | -3 | 35 | 22 |
| 224 | 94 | 33 | 19 | 12 | 20 | -10 | -27 | -28 | 0 | -2 | 34 | 21 |
| 225 | 94 | 53 | 19 | 12 | 20 | -10 | -26 | -27 | 0 | -2 | 34 | 22 |
| 226 | 95 | 12 | 19 | 12 | 20 | -10 | -26 | -27 | 0 | -2 | 35 | 22 |
| 227 | 95 | 32 | 19 | 12 | 21 | -10 | -26 | -26 | 0 | -2 | 35 | 21 |
| 228 | 95 | 52 | 19 | 12 | 21 | -10 | -24 | -25 | 1 | -2 | 36 | 22 |
| 229 | 96 | 12 | 19 | 12 | 21 | -10 | -23 | -24 | 1 | -2 | 36 | 21 |
| 230 | 96 | 31 | 19 | 13 | 21 | -10 | -22 | -24 | 1 | -2 | 35 | 21 |
| 231 | 96 | 51 | 19 | 13 | 21 | -10 | -22 | -23 | 1 | -2 | 36 | 21 |
| 232 | 97 | 11 | 19 | 13 | 22 | -10 | -22 | -23 | 1 | -2 | 36 | 22 |
| 233 | 97 | 31 | 20 | 13 | 22 | -10 | -22 | -22 | 1 | -2 | 36 | 22 |
| 234 | 97 | 50 | 21 | 13 | 22 | -9 | -24 | -23 | 1 | -2 | 36 | 21 |
| 235 | 98 | 10 | 22 | 13 | 22 | -8 | -24 | -22 | 1 | -2 | 36 | 21 |
| 236 | 98 | 30 | 22 | 13 | 21 | -8 | -25 | -23 | 1 | -2 | 36 | 20 |
| 237 | 98 | 50 | 23 | 13 | 22 | -8 | -26 | -23 | 1 | -2 | 36 | 19 |
| 238 | 99 | 10 | 23 | 13 | 22 | -8 | -26 | -24 | 1 | -2 | 36 | 19 |
| 239 | 99 | 30 | 25 | 14 | 22 | -8 | -26 | -25 | 1 | -2 | 36 | 20 |
| 240 | 99 | 50 | 25 | 14 | 22 | -7 | -26 | -25 | 2 | -1 | 36 | 21 |
| 241 | 100 | 9 | 25 | 14 | 22 | -7 | -26 | -26 | 1 | -1 | 36 | 21 |
| 242 | 100 | 29 | 26 | 14 | 22 | -7 | -27 | -26 | 2 | -1 | 36 | 21 |
| 243 | 100 | 49 | 26 | 14 | 22 | -7 | -27 | -27 | 2 | -1 | 36 | 21 |
| 244 | 101 | 9 | 29 | 14 | 21 | -7 | -27 | -28 | 2 | -1 | 35 | 21 |
| 245 | 101 | 29 | 25 | 14 | 21 | -6 | -27 | -28 | 2 | -1 | 35 | 21 |
| 246 | 101 | 48 | 24 | 14 | 22 | -7 | -28 | -28 | 2 | -1 | 36 | 21 |

| | | | | | | | | | | | | |
|-----------------------|----------------------|----------------------|---|---|--|--|--|---|---|--|--|---|
| -01 S.ESP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-16 2STAGE AFCS 1 (PITCH /ROLL CHAN) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP DEG.C | 4-18 UTIL. PUMP OUTLET HYD. TEMP DEG.C | 4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C | 4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP DEG.C | 4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C |
| 299 | 119 | 13 | 22 | 12 | 21 | -8 | -17 | -16 | 2 | -1 | 36 | 21 |
| 300 | 119 | 33 | 22 | 12 | 21 | -8 | -16 | -15 | 3 | -0 | 37 | 22 |
| 301 | 119 | 52 | 22 | 13 | 22 | -8 | -15 | -15 | 3 | -0 | 38 | 23 |
| 302 | 120 | 12 | 23 | 13 | 22 | -7 | -15 | -15 | 4 | 0 | 38 | 27 |
| 303 | 120 | 32 | 24 | 14 | 23 | -6 | -15 | -14 | 4 | 0 | 39 | 26 |
| 304 | 120 | 51 | 25 | 14 | 24 | -6 | -14 | -14 | 5 | 0 | 40 | 26 |
| 305 | 121 | 11 | 22 | 15 | 24 | -5 | -14 | -13 | 5 | 1 | 40 | 25 |
| 306 | 121 | 30 | 19 | 15 | 24 | -5 | -14 | -13 | 6 | 1 | 41 | 25 |
| 307 | 121 | 50 | 18 | 15 | 22 | -5 | -13 | -12 | 7 | 2 | 39 | 25 |
| 308 | 122 | 9 | 18 | 16 | 21 | -4 | -12 | -12 | 7 | 3 | 36 | 23 |
| 310 | 122 | 29 | 17 | 14 | 21 | -4 | -12 | -11 | 8 | 3 | 32 | 20 |
| 311 | 122 | 48 | 16 | 12 | 19 | -4 | -12 | -11 | 7 | 2 | 27 | 17 |
| 312 | 123 | A | 15 | 12 | 19 | -2 | -11 | -11 | 8 | 3 | 24 | 13 |

HH-53D S/N 68-10354
 ARCTIC TEST
 21 JANUARY 1971
 RUN NO. 7

-42 DEG C / -43 DEG F

| -01 SHEET COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-05 ENG.1 OIL TANK LEVEL TEMP DEG.C | 5-06 ENG.1 OIL COOLER INLET OIL DEG.C | 5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C | 5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C | 5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C | 5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C | 5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C | 5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C | 5-13 ENG.2 OIL COOLER INLET OIL DEG.C | 5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C |
|-----------------------|----------------------|----------------------|--|---|--|---|---|--|---|--|---|--|
| 1 | 3 | 3 | 14 | -19 | 2 | -25 | -10 | -2 | -12 | -2 | -20 | -2 |
| 2 | 3 | 24 | 14 | -19 | 2 | -25 | -10 | -2 | -12 | -3 | -20 | -2 |
| 3 | 3 | 44 | 13 | -20 | 2 | -25 | -10 | -2 | -13 | -2 | -20 | -2 |
| 4 | 4 | 5 | 13 | -20 | 2 | -25 | -10 | -1 | -13 | -3 | -20 | -3 |
| 5 | 4 | 25 | 13 | -20 | 2 | -25 | -10 | -2 | -13 | -3 | -20 | -3 |
| 6 | 4 | 46 | 13 | -20 | 2 | -25 | -10 | -2 | -13 | -3 | -20 | -3 |
| 7 | 4 | 4 | 12 | -20 | 2 | -25 | -10 | -2 | -13 | -3 | -20 | -3 |
| 8 | 5 | 27 | 13 | -20 | 2 | -25 | -10 | -2 | -13 | -3 | -20 | -3 |
| 9 | 5 | 47 | 12 | -20 | 2 | -25 | -10 | -2 | -13 | -3 | -20 | -3 |
| 10 | 6 | 8 | 13 | -20 | 2 | -25 | -11 | -2 | -13 | -4 | -20 | -3 |
| 11 | 6 | 28 | 12 | -20 | 2 | -25 | -10 | -2 | -13 | -4 | -20 | -4 |
| 12 | 6 | 49 | 12 | -20 | 2 | -25 | -11 | -2 | -13 | -4 | -20 | -4 |
| 13 | 7 | 9 | 12 | -20 | 2 | -25 | -11 | -2 | -14 | -4 | -20 | -4 |
| 14 | 7 | 29 | 12 | -20 | 1 | -25 | -11 | -2 | -13 | -4 | -20 | -4 |
| 15 | 7 | 50 | 12 | -20 | 1 | -26 | -11 | -2 | -13 | -4 | -20 | -4 |
| 16 | 8 | 10 | 12 | -20 | 2 | -25 | -11 | -2 | -14 | -4 | -20 | -4 |
| 17 | 8 | 30 | 12 | -20 | 1 | -25 | -11 | -3 | -14 | -4 | -20 | -4 |
| 18 | 8 | 51 | 12 | -20 | 2 | -24 | -11 | -2 | -14 | -4 | -20 | -4 |
| 19 | 9 | 11 | 12 | -20 | 2 | -25 | -10 | -2 | -13 | -3 | -20 | -4 |
| 20 | 9 | 31 | 12 | -20 | 2 | -24 | -10 | -2 | -14 | -3 | -20 | -4 |
| 21 | 9 | 52 | 12 | -19 | 4 | -24 | -10 | -2 | -12 | -3 | -20 | -4 |
| 22 | 10 | 12 | 13 | 4 | 5 | -23 | -10 | -2 | -13 | -3 | -20 | -4 |
| 23 | 10 | 32 | 15 | 15 | 15 | -23 | -10 | -2 | -13 | -3 | -20 | -4 |
| 24 | 10 | 52 | 16 | 23 | 21 | -16 | -10 | -3 | -12 | -3 | -20 | -4 |
| 25 | 11 | 13 | 19 | 27 | 22 | -10 | -10 | -3 | -12 | -4 | -20 | -4 |
| 26 | 11 | 33 | 21 | 31 | 27 | -8 | -10 | -3 | -13 | -3 | -20 | -4 |
| 27 | 11 | 53 | 24 | 34 | 31 | -10 | -10 | -3 | -13 | -3 | -20 | -4 |
| 28 | 12 | 13 | 26 | 36 | 34 | -12 | -11 | -3 | -12 | -4 | -20 | -4 |
| 29 | 12 | 29 | 29 | 38 | 35 | -15 | -11 | -4 | -13 | -4 | -20 | -4 |
| 30 | 12 | 54 | 31 | 41 | 38 | -16 | -11 | -4 | -13 | -4 | -20 | -4 |
| 31 | 13 | 14 | 34 | 43 | 40 | -17 | -11 | -4 | -12 | -4 | -20 | -4 |
| 32 | 13 | 34 | 36 | 45 | 37 | -19 | -8 | 8 | 4 | -2 | -20 | -4 |
| 33 | 13 | 54 | 37 | 47 | 45 | -19 | -8 | 14 | 13 | 4 | -20 | -4 |
| 34 | 14 | 14 | 39 | 61 | 48 | -21 | -8 | 25 | 25 | 4 | -20 | -4 |
| 35 | 14 | 35 | 43 | 55 | 52 | -22 | -8 | 39 | 28 | 4 | -20 | -4 |
| 36 | 14 | 46 | 46 | 57 | 54 | -23 | -6 | 48 | 40 | 4 | -20 | -4 |
| 37 | 14 | 49 | 49 | 60 | 55 | -24 | -5 | 55 | 51 | 4 | -20 | -4 |
| 38 | 15 | 35 | 51 | 62 | 56 | -25 | -5 | 61 | 59 | 4 | -20 | -4 |
| 39 | 15 | 55 | 53 | 64 | 56 | -26 | -5 | 66 | 66 | 4 | -20 | -4 |
| 40 | 16 | 16 | 52 | 65 | 53 | -26 | -5 | 72 | 72 | 4 | -20 | -4 |
| 41 | 16 | 36 | 52 | 65 | 52 | -26 | -5 | 78 | 75 | 4 | -20 | -4 |
| 42 | 16 | 56 | 52 | 66 | 49 | -26 | -5 | 81 | 78 | 4 | -20 | -4 |
| 43 | 17 | 16 | 66 | 66 | 47 | -26 | -5 | 81 | 81 | 4 | -20 | -4 |
| 44 | 17 | 36 | 65 | 65 | 47 | -26 | -5 | 82 | 82 | 4 | -20 | -4 |
| 45 | 17 | 56 | 65 | 65 | 54 | -26 | -6 | 80 | 83 | 4 | -20 | -4 |

| -01 SHEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-05 ENG.1 TANK 1/3LEV DEG.C | 5-06 ENG.1 OIL COOLER INLET OIL DEG.C | 5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C | 5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C | 5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C | 5-10 ENG.1 N.G.B. COOLER INLET OIL DEG.C | 5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C | 5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C | 5-13 ENG.2 OIL COOLER INLET OIL DEG.C | 5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C |
|-----------------------|----------------------|----------------------|--|---|--|---|---|--|---|--|---|--|
| | | | | | | | | | | | | |
| 47 | 18 | 36 | 48 | 64 | 48 | -26 | 61 | 82 | 60 | 65 | 69 | 55 |
| 48 | 18 | 56 | 48 | 84 | 51 | -25 | 62 | 87 | 59 | 84 | 69 | 55 |
| 49 | 19 | 17 | 49 | 64 | 51 | -26 | 63 | 84 | 59 | 83 | 69 | 55 |
| 50 | 19 | 37 | 49 | 55 | 52 | -26 | 64 | 85 | 60 | 85 | 69 | 55 |
| 51 | 19 | 57 | 49 | 65 | 53 | -26 | 65 | 85 | 59 | 85 | 69 | 55 |
| 52 | 20 | 17 | 51 | 66 | 52 | -26 | 64 | 86 | 59 | 84 | 69 | 55 |
| 53 | 20 | 37 | 51 | 66 | 52 | -26 | 64 | 86 | 59 | 85 | 69 | 55 |
| 54 | 20 | 57 | 50 | 66 | 51 | -26 | 64 | 86 | 59 | 85 | 69 | 55 |
| 55 | 21 | 17 | 51 | 66 | 51 | -26 | 62 | 86 | 59 | 85 | 70 | 53 |
| 56 | 21 | 37 | 49 | 66 | 44 | -26 | 60 | 85 | 60 | 85 | 70 | 56 |
| 57 | 21 | 57 | 49 | 66 | 53 | -25 | 65 | 86 | 60 | 85 | 70 | 56 |
| 58 | 22 | 17 | 49 | 66 | 50 | -26 | 65 | 86 | 59 | 85 | 71 | 55 |
| 59 | 22 | 38 | 50 | 70 | 54 | -26 | 64 | 88 | 60 | 86 | 73 | 55 |
| 60 | 22 | 58 | 51 | 70 | 54 | -27 | 65 | 88 | 60 | 87 | 74 | 58 |
| 61 | 23 | 18 | 52 | 71 | 52 | -27 | 63 | 89 | 60 | 89 | 74 | 58 |
| 62 | 23 | 38 | 51 | 72 | 52 | -26 | 62 | 89 | 60 | 87 | 74 | 55 |
| 63 | 23 | 58 | 52 | 72 | 52 | -26 | 64 | 90 | 60 | 86 | 74 | 55 |
| 64 | 24 | 18 | 51 | 71 | 53 | -26 | 63 | 90 | 60 | 86 | 74 | 56 |
| 65 | 25 | 27 | 52 | 72 | 53 | -28 | 64 | 89 | 59 | 86 | 75 | 56 |
| 66 | 25 | 47 | 52 | 72 | 53 | -28 | 64 | 89 | 59 | 86 | 75 | 56 |
| 67 | 26 | 7 | 52 | 71 | 54 | -28 | 64 | 89 | 59 | 85 | 75 | 56 |
| 68 | 28 | 5 | 53 | 73 | 55 | -24 | 64 | 89 | 59 | 85 | 75 | 55 |
| 69 | 30 | 3 | 52 | 71 | 53 | -28 | 64 | 89 | 59 | 85 | 74 | 55 |
| 70 | 31 | 31 | 52 | 71 | 54 | -28 | 64 | 89 | 59 | 85 | 74 | 57 |
| 71 | 31 | 51 | 52 | 72 | 54 | -28 | 63 | 89 | 59 | 85 | 74 | 55 |
| 72 | 32 | 44 | 52 | 72 | 53 | -28 | 63 | 89 | 59 | 85 | 75 | 55 |
| 73 | 32 | 43 | 52 | 72 | 53 | -24 | 64 | 89 | 59 | 85 | 75 | 55 |
| 74 | 33 | 3 | 52 | 73 | 53 | -24 | 64 | 89 | 59 | 85 | 75 | 55 |
| 75 | 33 | 23 | 52 | 73 | 53 | -24 | 63 | 90 | 59 | 85 | 75 | 55 |
| 76 | 33 | 44 | 52 | 72 | 53 | -20 | 63 | 90 | 59 | 85 | 75 | 55 |
| 77 | 34 | 4 | 52 | 72 | 53 | -27 | 63 | 89 | 59 | 85 | 75 | 55 |
| 78 | 34 | 24 | 52 | 73 | 53 | -27 | 63 | 89 | 59 | 85 | 75 | 55 |
| 79 | 34 | 44 | 52 | 73 | 52 | -27 | 63 | 90 | 59 | 85 | 75 | 55 |
| 80 | 35 | 3 | 53 | 73 | 53 | -27 | 64 | 90 | 59 | 85 | 75 | 55 |
| 81 | 35 | 25 | 52 | 73 | 54 | -27 | 64 | 90 | 59 | 85 | 75 | 54 |
| 82 | 35 | 45 | 52 | 73 | 52 | -27 | 63 | 90 | 59 | 85 | 75 | 54 |
| 83 | 36 | 5 | 52 | 73 | 52 | -27 | 63 | 90 | 59 | 85 | 75 | 54 |
| 84 | 36 | 25 | 52 | 73 | 52 | -26 | 64 | 90 | 59 | 85 | 75 | 54 |
| 85 | 36 | 45 | 52 | 73 | 52 | -26 | 64 | 91 | 59 | 85 | 75 | 54 |
| 86 | 37 | 5 | 52 | 73 | 52 | -26 | 63 | 90 | 59 | 85 | 75 | 54 |
| 87 | 37 | 25 | 52 | 73 | 53 | -26 | 63 | 91 | 59 | 85 | 75 | 54 |
| 88 | 37 | 46 | 52 | 73 | 53 | -27 | 64 | 90 | 59 | 85 | 75 | 54 |
| 89 | 38 | 6 | 52 | 73 | 54 | -26 | 64 | 90 | 59 | 85 | 75 | 55 |
| 90 | 38 | 26 | 52 | 73 | 52 | -26 | 63 | 91 | 59 | 85 | 75 | 54 |
| 91 | 38 | 46 | 52 | 73 | 52 | -26 | 63 | 90 | 59 | 85 | 75 | 54 |
| 92 | 39 | 6 | 52 | 73 | 52 | -26 | 63 | 90 | 59 | 85 | 75 | 53 |
| 93 | 39 | 26 | 52 | 73 | 52 | -26 | 63 | 89 | 59 | 85 | 75 | 54 |
| 94 | 39 | 46 | 52 | 73 | 53 | -26 | 63 | 89 | 59 | 85 | 75 | 54 |
| 95 | 40 | 6 | 52 | 73 | 52 | -26 | 63 | 91 | 59 | 85 | 75 | 53 |

| SHIP COUNT | 5-07 TIME MIN. | 5-08 TIME SEC. | 5-09 ENG.1 N.G.O. PUMP 1/31EV DEG.C | 5-10 ENG.1 OIL COOLER INLET OUTLET DEG.C | 5-11 ENG.1 OIL COOLER INLET OUTLET DEG.C | 5-12 ENG.2 N.G.O. PUMP 1/31EV DEG.C | 5-13 ENG.2 OIL COOLER INLET OUTLET DEG.C | 5-14 ENG.2 OIL COOLER INLET OUTLET DEG.C |
|---------------|----------------------|----------------------|--|--|--|--|--|--|
| 95 | 47 | 26 | 52 | 73 | 73 | 52 | 52 | 52 |
| 97 | 47 | 27 | 51 | 74 | 74 | 52 | 52 | 52 |
| 100 | 41 | 47 | 51 | 74 | 74 | 52 | 51 | 51 |
| 101 | 42 | 7 | 51 | 74 | 74 | 52 | 75 | 75 |
| 102 | 42 | 27 | 51 | 74 | 74 | 51 | 74 | 74 |
| 103 | 42 | 47 | 50 | 73 | 73 | 51 | 74 | 74 |
| 104 | 43 | 7 | 51 | 74 | 74 | 51 | 75 | 75 |
| 105 | 43 | 27 | 51 | 74 | 74 | 51 | 75 | 75 |
| 106 | 43 | 47 | 51 | 75 | 75 | 51 | 74 | 74 |
| 107 | 44 | 7 | 51 | 74 | 74 | 51 | 75 | 75 |
| 109 | 44 | 27 | 51 | 74 | 74 | 52 | 74 | 74 |
| 110 | 44 | 47 | 51 | 75 | 75 | 51 | 75 | 75 |
| 111 | 45 | 7 | 51 | 75 | 75 | 51 | 75 | 75 |
| 112 | 45 | 27 | 51 | 74 | 74 | 51 | 74 | 74 |
| 113 | 45 | 47 | 51 | 74 | 74 | 51 | 74 | 74 |
| 114 | 46 | 7 | 51 | 74 | 74 | 52 | 75 | 75 |
| 115 | 46 | 27 | 51 | 74 | 74 | 52 | 75 | 75 |
| 116 | 49 | 13 | 52 | 76 | 76 | 52 | 77 | 77 |
| 118 | 49 | 33 | 52 | 76 | 76 | 52 | 77 | 77 |
| 119 | 49 | 53 | 51 | 75 | 75 | 52 | 76 | 76 |
| 120 | 51 | 17 | 51 | 76 | 76 | 52 | 78 | 78 |
| 121 | 51 | 37 | 51 | 76 | 76 | 52 | 78 | 78 |
| 122 | 52 | 57 | 51 | 76 | 76 | 52 | 78 | 78 |
| 123 | 52 | 77 | 51 | 76 | 76 | 52 | 78 | 78 |
| 124 | 55 | 13 | 51 | 75 | 75 | 52 | 75 | 75 |
| 125 | 56 | 30 | 51 | 72 | 72 | 51 | 73 | 73 |
| 126 | 56 | 50 | 51 | 73 | 73 | 51 | 74 | 74 |
| 127 | 57 | 10 | 51 | 72 | 72 | 51 | 74 | 74 |
| 128 | 57 | 30 | 51 | 73 | 73 | 51 | 75 | 75 |
| 129 | 57 | 50 | 51 | 74 | 74 | 51 | 76 | 76 |
| 130 | 58 | 16 | 51 | 74 | 74 | 52 | 75 | 75 |
| 131 | 58 | 30 | 51 | 75 | 75 | 52 | 76 | 76 |
| 132 | 58 | 50 | 51 | 75 | 75 | 52 | 76 | 76 |
| 133 | 59 | 10 | 51 | 75 | 75 | 52 | 76 | 76 |
| 134 | 59 | 30 | 51 | 75 | 75 | 52 | 77 | 77 |
| 135 | 59 | 50 | 51 | 76 | 76 | 52 | 77 | 77 |
| 136 | 60 | 10 | 51 | 76 | 76 | 52 | 77 | 77 |
| 137 | 60 | 30 | 52 | 76 | 76 | 53 | 77 | 77 |
| 138 | 60 | 50 | 52 | 76 | 76 | 53 | 77 | 77 |
| 139 | 61 | 10 | 52 | 76 | 76 | 52 | 77 | 77 |
| 140 | 61 | 29 | 51 | 76 | 76 | 52 | 77 | 77 |
| 141 | 62 | 48 | 51 | 75 | 75 | 52 | 76 | 76 |
| 142 | 62 | 7 | 51 | 75 | 75 | 52 | 76 | 76 |
| 143 | 63 | 8 | 51 | 74 | 74 | 52 | 75 | 75 |
| 144 | 65 | 4 | 52 | 74 | 74 | 53 | 75 | 75 |
| 145 | 65 | 27 | 52 | 73 | 73 | 53 | 74 | 74 |
| 146 | 66 | 47 | 52 | 73 | 73 | 53 | 73 | 73 |
| 146 | 66 | 7 | 52 | 73 | 73 | 53 | 73 | 73 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-05 ENG.1 OIL TANK 1/3LEV DEG.C | 5-06 ENG.1 OIL COOLER INLET OIL DEG.C | 5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C | 5-08 ENG.1 FUJL PUMP INLET FUJL DEG.C | 5-09 ENG.1 N.G.B. COOLER OUTLET OIL DEG.C | 5-10 ENG.1 N.G.R. COOLER INLET OIL DEG.C | 5-11 ENG.2 N.G.B. COOLER OUTLET OIL DEG.C | 5-12 ENG.2 N.G.B. COOLER INLET OIL DEG.C | 5-13 ENG.2 OIL COOLER INLET OIL DEG.C | 5-14 ENG.2 OIL COOLER OUTLET OIL DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|--|---|--|---|--|
| 147 | 67 | 4 | 52 | 73 | 55 | -24 | 62 | 88 | 58 | 84 | 72 | 59 |
| 148 | 67 | 24 | 52 | 71 | 54 | -24 | 42 | 85 | 57 | 81 | 72 | 56 |
| 149 | 67 | 43 | 53 | 69 | 55 | -24 | 42 | 86 | 57 | 81 | 72 | 56 |
| 150 | 68 | 3 | 53 | 68 | 53 | -23 | 63 | 85 | 56 | 79 | 70 | 56 |
| 151 | 68 | 22 | 52 | 66 | 53 | -23 | 63 | 84 | 56 | 77 | 70 | 56 |
| 152 | 68 | 42 | 52 | 67 | 51 | -24 | 64 | 85 | 56 | 77 | 70 | 55 |
| 153 | 69 | 2 | 52 | 68 | 53 | -25 | 66 | 86 | 58 | 79 | 70 | 56 |
| 154 | 69 | 22 | 52 | 67 | 55 | -25 | 66 | 87 | 61 | 81 | 71 | 56 |
| 155 | 69 | 42 | 52 | 67 | 52 | -26 | 65 | 88 | 59 | 82 | 71 | 56 |
| 156 | 70 | 2 | 52 | 68 | 50 | -26 | 63 | 88 | 60 | 83 | 72 | 56 |
| 157 | 70 | 22 | 51 | 69 | 52 | -26 | 64 | 88 | 60 | 84 | 72 | 54 |
| 158 | 70 | 41 | 51 | 70 | 53 | -26 | 64 | 88 | 60 | 84 | 72 | 56 |
| 159 | 71 | 1 | 52 | 69 | 54 | -26 | 64 | 89 | 60 | 85 | 72 | 57 |
| 160 | 71 | 21 | 52 | 69 | 52 | -26 | 64 | 89 | 60 | 85 | 72 | 56 |
| 161 | 71 | 41 | 52 | 69 | 52 | -26 | 63 | 89 | 61 | 86 | 73 | 56 |
| 162 | 72 | 1 | 52 | 68 | 52 | -26 | 64 | 89 | 61 | 86 | 73 | 55 |
| 163 | 72 | 21 | 51 | 69 | 52 | -26 | 64 | 89 | 60 | 86 | 73 | 55 |
| 164 | 72 | 41 | 51 | 69 | 50 | -26 | 62 | 89 | 60 | 86 | 73 | 53 |
| 165 | 73 | 1 | 50 | 72 | 50 | -26 | 62 | 89 | 59 | 86 | 73 | 52 |
| 166 | 73 | 21 | 50 | 72 | 50 | -26 | 62 | 91 | 59 | 87 | 73 | 53 |
| 167 | 73 | 41 | 50 | 72 | 51 | -26 | 62 | 90 | 59 | 86 | 73 | 52 |
| 168 | 74 | 1 | 49 | 73 | 52 | -26 | 65 | 90 | 60 | 87 | 75 | 55 |
| 169 | 74 | 21 | 50 | 72 | 55 | -26 | 65 | 90 | 61 | 87 | 74 | 57 |
| 170 | 74 | 41 | 52 | 72 | 53 | -26 | 64 | 90 | 59 | 86 | 74 | 56 |
| 171 | 75 | 0 | 52 | 72 | 54 | -26 | 64 | 91 | 59 | 86 | 75 | 55 |
| 172 | 75 | 20 | 52 | 72 | 54 | -26 | 64 | 91 | 59 | 86 | 75 | 55 |
| 173 | 75 | 40 | 52 | 72 | 53 | -26 | 64 | 91 | 59 | 86 | 75 | 55 |
| 174 | 75 | 0 | 52 | 73 | 52 | -26 | 63 | 90 | 59 | 85 | 75 | 55 |
| 175 | 78 | 21 | 52 | 69 | 54 | -25 | 65 | 89 | 59 | 85 | 72 | 56 |
| 176 | 78 | 41 | 52 | 69 | 51 | -25 | 63 | 89 | 60 | 86 | 73 | 55 |
| 177 | 79 | 1 | 51 | 72 | 52 | -25 | 64 | 90 | 60 | 86 | 75 | 53 |
| 178 | 79 | 21 | 51 | 73 | 52 | -26 | 64 | 90 | 60 | 86 | 75 | 54 |
| 179 | 79 | 41 | 51 | 74 | 52 | -26 | 64 | 91 | 60 | 87 | 75 | 54 |
| 180 | 80 | 1 | 52 | 74 | 52 | -26 | 64 | 91 | 60 | 87 | 75 | 55 |
| 181 | 80 | 21 | 51 | 75 | 53 | -26 | 65 | 92 | 61 | 87 | 75 | 55 |
| 182 | 80 | 41 | 52 | 75 | 53 | -26 | 64 | 92 | 60 | 88 | 75 | 54 |
| 183 | 81 | 1 | 52 | 75 | 53 | -25 | 62 | 92 | 60 | 88 | 75 | 54 |
| 184 | 81 | 21 | 51 | 73 | 51 | -25 | 62 | 91 | 60 | 87 | 73 | 56 |
| 185 | 81 | 40 | 51 | 71 | 55 | -24 | 67 | 91 | 59 | 86 | 72 | 56 |
| 186 | 82 | 0 | 51 | 69 | 52 | -24 | 64 | 90 | 59 | 85 | 71 | 56 |
| 187 | 82 | 20 | 51 | 69 | 52 | -24 | 64 | 89 | 59 | 83 | 71 | 56 |
| 188 | 82 | 40 | 52 | 69 | 52 | -24 | 64 | 88 | 59 | 83 | 71 | 55 |
| 189 | 83 | 0 | 51 | 68 | 52 | -24 | 64 | 88 | 60 | 82 | 70 | 55 |
| 190 | 83 | 19 | 51 | 68 | 51 | -24 | 63 | 88 | 59 | 82 | 70 | 55 |
| 191 | 83 | 39 | 51 | 67 | 51 | -24 | 63 | 88 | 58 | 82 | 70 | 55 |
| 192 | 83 | 59 | 51 | 67 | 51 | -24 | 62 | 87 | 58 | 82 | 69 | 55 |
| 193 | 84 | 19 | 50 | 67 | 50 | -24 | 62 | 87 | 58 | 82 | 70 | 54 |
| 194 | 84 | 39 | 49 | 67 | 50 | -24 | 63 | 86 | 58 | 81 | 69 | 54 |
| 195 | 84 | 59 | 49 | 66 | 51 | -24 | 63 | 86 | 58 | 81 | 69 | 54 |
| 195 | 85 | 19 | 49 | 66 | 51 | -24 | 63 | 86 | 58 | 81 | 69 | 55 |

| TIME | 5-07 | 5-08 | 5-09 | 5-10 | 5-11 | 5-12 | 5-13 | 5-14 |
|------|------|------|------|------|------|------|------|------|
| 197 | 45 | 39 | 49 | 66 | 51 | 51 | 62 | 86 |
| 198 | 45 | 38 | 48 | 48 | 48 | 48 | 51 | 86 |
| 199 | 46 | 38 | 49 | 48 | 48 | 48 | 50 | 88 |
| 200 | 46 | 38 | 51 | 48 | 48 | 48 | 50 | 88 |
| 201 | 46 | 38 | 51 | 48 | 48 | 48 | 50 | 88 |
| 202 | 47 | 38 | 52 | 48 | 48 | 48 | 50 | 88 |
| 203 | 47 | 38 | 52 | 48 | 48 | 48 | 50 | 88 |
| 204 | 47 | 38 | 52 | 48 | 48 | 48 | 50 | 88 |
| 205 | 48 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 206 | 48 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 207 | 48 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 208 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 209 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 210 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 211 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 212 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 213 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 214 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 215 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 216 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 217 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 218 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 219 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 220 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 221 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 222 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 223 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 224 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 225 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 226 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 227 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 228 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 229 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 230 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 231 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 232 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 233 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 234 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 235 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 236 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 237 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 238 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 239 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 240 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 241 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 242 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 243 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 244 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 245 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |
| 246 | 49 | 37 | 51 | 48 | 48 | 48 | 50 | 88 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-05 ENG.1 TANK 1/3LEV TEMP DEG.C | 5-06 ENG.1 OIL COOLER INLET OIL TEMP DEG.C | 5-07 ENG.1 OIL COOLER OUTLET OIL DEG.C | 5-08 ENG.1 FUEL PUMP INLET FUEL DEG.C | 5-09 ENG.1 N.O.B. COOLER OUTLET OIL TEMP DEG.C | 5-10 ENG.1 N.O.B. INLET OIL DEG.C | 5-11 ENG.2 N.O.B. COOLER OUTLET OIL TEMP DEG.C | 5-12 ENG.2 N.O.B. INLET OIL TEMP DEG.C | 5-13 ENG.2 OIL COOLER INLET OIL TEMP DEG.C | 5-14 ENG.2 OIL COOLER OUTLET OIL TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|---|--|---|---|--|---|--|---|--|
| 247 | 102 | 10 | 51 | 75 | 52 | -26 | 64 | 92 | 60 | 87 | 76 | 54 |
| 248 | 102 | 30 | 51 | 75 | 53 | -26 | 64 | 92 | 60 | 88 | 76 | 54 |
| 249 | 102 | 50 | 51 | 76 | 52 | -26 | 63 | 92 | 60 | 88 | 76 | 54 |
| 250 | 103 | 10 | 51 | 76 | 51 | -26 | 62 | 92 | 60 | 87 | 77 | 52 |
| 251 | 103 | 30 | 51 | 76 | 51 | -26 | 62 | 91 | 60 | 87 | 76 | 54 |
| 252 | 103 | 49 | 50 | 75 | 53 | -26 | 64 | 91 | 60 | 88 | 76 | 54 |
| 253 | 104 | 9 | 51 | 75 | 53 | -26 | 64 | 90 | 60 | 87 | 76 | 55 |
| 254 | 104 | 29 | 51 | 75 | 52 | -26 | 63 | 91 | 60 | 88 | 76 | 54 |
| 255 | 104 | 49 | 51 | 76 | 52 | -26 | 64 | 91 | 61 | 87 | 76 | 54 |
| 256 | 105 | 9 | 51 | 76 | 52 | -26 | 64 | 92 | 60 | 88 | 77 | 55 |
| 257 | 105 | 28 | 52 | 76 | 53 | -26 | 64 | 92 | 60 | 88 | 77 | 55 |
| 258 | 105 | 48 | 51 | 76 | 53 | -26 | 64 | 92 | 61 | 88 | 77 | 55 |
| 259 | 106 | 8 | 52 | 76 | 53 | -26 | 64 | 91 | 60 | 88 | 77 | 55 |
| 260 | 106 | 28 | 51 | 76 | 52 | -26 | 64 | 91 | 61 | 88 | 77 | 54 |
| 261 | 106 | 48 | 52 | 76 | 52 | -26 | 64 | 92 | 60 | 88 | 78 | 54 |
| 262 | 107 | 7 | 51 | 76 | 52 | -26 | 64 | 92 | 60 | 88 | 78 | 54 |
| 263 | 107 | 27 | 51 | 76 | 52 | -26 | 63 | 91 | 60 | 88 | 77 | 54 |
| 264 | 107 | 47 | 51 | 75 | 52 | -26 | 64 | 92 | 61 | 88 | 77 | 54 |
| 265 | 108 | 7 | 51 | 76 | 52 | -26 | 62 | 92 | 60 | 88 | 77 | 54 |
| 266 | 108 | 27 | 51 | 74 | 54 | -26 | 64 | 91 | 60 | 88 | 76 | 55 |
| 269 | 109 | 26 | 52 | 73 | 54 | -26 | 64 | 91 | 59 | 86 | 76 | 55 |
| 270 | 109 | 45 | 52 | 73 | 54 | -25 | 64 | 91 | 59 | 85 | 75 | 56 |
| 271 | 110 | 5 | 53 | 72 | 54 | -25 | 64 | 90 | 59 | 85 | 75 | 56 |
| 272 | 110 | 25 | 53 | 72 | 56 | -26 | 65 | 89 | 60 | 85 | 75 | 58 |
| 273 | 110 | 44 | 54 | 70 | 55 | -26 | 67 | 89 | 60 | 85 | 73 | 59 |
| 274 | 111 | 4 | 54 | 70 | 54 | -26 | 64 | 89 | 60 | 84 | 74 | 55 |
| 275 | 111 | 24 | 53 | 72 | 51 | -26 | 62 | 90 | 60 | 85 | 75 | 52 |
| 276 | 111 | 44 | 51 | 71 | 49 | -26 | 61 | 90 | 60 | 85 | 73 | 56 |
| 277 | 112 | 3 | 51 | 69 | 50 | -25 | 62 | 89 | 59 | 85 | 73 | 54 |
| 278 | 112 | 23 | 49 | 70 | 49 | -25 | 61 | 88 | 59 | 84 | 71 | 55 |
| 279 | 112 | 43 | 49 | 69 | 49 | -24 | 61 | 88 | 59 | 84 | 71 | 53 |
| 280 | 113 | 2 | 49 | 67 | 51 | -24 | 62 | 87 | 59 | 83 | 71 | 56 |
| 281 | 113 | 22 | 49 | 68 | 48 | -24 | 61 | 87 | 59 | 83 | 70 | 53 |
| 282 | 113 | 42 | 48 | 66 | 54 | -24 | 66 | 87 | 59 | 82 | 70 | 56 |
| 283 | 114 | 2 | 50 | 66 | 53 | -24 | 64 | 88 | 59 | 82 | 70 | 56 |
| 284 | 114 | 21 | 51 | 66 | 48 | -24 | 61 | 88 | 59 | 83 | 71 | 54 |
| 285 | 114 | 41 | 49 | 67 | 48 | -24 | 61 | 87 | 58 | 82 | 71 | 53 |
| 286 | 115 | 1 | 48 | 68 | 47 | -24 | 60 | 86 | 59 | 82 | 71 | 55 |
| 287 | 115 | 20 | 48 | 66 | 53 | -24 | 65 | 87 | 58 | 82 | 69 | 54 |
| 288 | 115 | 40 | 49 | 66 | 52 | -24 | 64 | 87 | 58 | 81 | 69 | 55 |
| 289 | 116 | 0 | 50 | 66 | 51 | -24 | 64 | 87 | 59 | 81 | 69 | 55 |
| 290 | 116 | 20 | 50 | 66 | 51 | -24 | 63 | 87 | 58 | 81 | 69 | 54 |
| 291 | 116 | 39 | 50 | 66 | 52 | -24 | 64 | 86 | 58 | 81 | 69 | 55 |
| 292 | 116 | 59 | 50 | 66 | 52 | -24 | 64 | 86 | 58 | 80 | 69 | 55 |
| 293 | 117 | 18 | 50 | 64 | 52 | -24 | 65 | 83 | 60 | 75 | 68 | 55 |
| 294 | 117 | 38 | 50 | 61 | 54 | -24 | 62 | 81 | 63 | 72 | 65 | 58 |
| 295 | 117 | 57 | 50 | 59 | 54 | -23 | 60 | 79 | 62 | 71 | 64 | 57 |
| 296 | 118 | 17 | 50 | 57 | 54 | -23 | 59 | 77 | 60 | 69 | 62 | 57 |
| 297 | 118 | 36 | 50 | 54 | 52 | -23 | 58 | 76 | 61 | 68 | 61 | 56 |
| 298 | 118 | 56 | 50 | 54 | 52 | -23 | 58 | 75 | 61 | 68 | 61 | 56 |
| 299 | 118 | 56 | 50 | 54 | 52 | -23 | 57 | 75 | 61 | 68 | 61 | 56 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|-----|--------|-------|-----|----|--------|-------|-----|----|--------|--------|-------|------|------|-------|------|--------|------|-------|--------|--------|------|--------|--------|-------|------|--------|--------|-------|--------|-------|--------|--------|------|-------|-----|-----|------|-------|-----|----|
| 300 | 6-02 | TIME | 119 | 5-05 | ENG.1 | OIL | 49 | 5-06 | ENG.1 | OIL | 51 | 5-07 | ENG.1 | OIL | 51 | 5-08 | ENG.1 | FUEL | -23 | 5-09 | ENG.1 | N.G.P. | 55 | 5-10 | ENG.1 | N.G.P. | 74 | 5-11 | ENG.2 | N.G.P. | 52 | 5-12 | ENG.2 | N.G.P. | 67 | 5-13 | ENG.2 | OIL | 58 | 5-14 | ENG.2 | OIL | 55 |
| 301 | TIME | 119 | 49 | ENG.1 | OIL | 50 | 49 | ENG.1 | FUEL | -23 | 54 | 5-07 | COOLER | 49 | 5-08 | FUEL | -22 | 5-09 | COOLER | -22 | 55 | 5-10 | COOLER | 73 | 5-11 | COOLER | 72 | 5-12 | COOLER | 66 | 5-13 | COOLER | 66 | 5-14 | COOLER | 56 | | | | | | | |
| 302 | TIME | 119 | 49 | TANK | OIL | 49 | 49 | COOLER | -23 | 49 | 51 | OUTLET | 49 | INLET | -23 | 51 | INLET | -23 | 52 | 52 | 51 | 51 | INLET | 71 | OUTLET | 71 | INLET | 65 | INLET | 65 | INLET | 64 | INLET | 64 | INLET | 63 | INLET | 63 | | | | | |
| 303 | TIME | 120 | 49 | 1/3LEV | OIL | 46 | 48 | INLET | -23 | 47 | 49 | OIL | 48 | OIL | -23 | 49 | OIL | -23 | 48 | 48 | 48 | 48 | OIL | 68 | OIL | 68 | OIL | 62 | OIL | 62 | OIL | 61 | OIL | 61 | OIL | 60 | OIL | 60 | OIL | 59 | | | |
| 304 | TIME | 120 | 48 | TEMP | OIL | 44 | 46 | OUTLET | -22 | 46 | 48 | OIL | 48 | OIL | -22 | 48 | OIL | -22 | 46 | 46 | 46 | 46 | OIL | 67 | OIL | 67 | OIL | 61 | OIL | 61 | OIL | 61 | OIL | 60 | OIL | 60 | OIL | 59 | OIL | 59 | | | |
| 305 | TIME | 121 | 48 | TEMP | OIL | 42 | 46 | OUTLET | -22 | 46 | 48 | OIL | 48 | OIL | -22 | 48 | OIL | -22 | 46 | 46 | 46 | 46 | OIL | 66 | OIL | 66 | OIL | 61 | OIL | 61 | OIL | 60 | OIL | 60 | OIL | 59 | OIL | 59 | OIL | 58 | OIL | 58 | |
| 306 | TIME | 121 | 46 | TEMP | OIL | 40 | 46 | OUTLET | -22 | 46 | 48 | OIL | 48 | OIL | -22 | 48 | OIL | -22 | 46 | 46 | 46 | 46 | OIL | 66 | OIL | 66 | OIL | 61 | OIL | 61 | OIL | 60 | OIL | 60 | OIL | 59 | OIL | 59 | OIL | 58 | OIL | 58 | |
| 307 | TIME | 121 | 46 | TEMP | OIL | 40 | 46 | OUTLET | -22 | 46 | 48 | OIL | 48 | OIL | -22 | 48 | OIL | -22 | 46 | 46 | 46 | 46 | OIL | 66 | OIL | 66 | OIL | 61 | OIL | 61 | OIL | 60 | OIL | 60 | OIL | 59 | OIL | 59 | OIL | 58 | OIL | 58 | |
| 308 | TIME | 122 | 49 | TEMP | OIL | 41 | 45 | OUTLET | -21 | 45 | 45 | OIL | 45 | OIL | -21 | 45 | OIL | -21 | 46 | 46 | 46 | 46 | OIL | 66 | OIL | 66 | OIL | 61 | OIL | 61 | OIL | 60 | OIL | 60 | OIL | 59 | OIL | 59 | OIL | 58 | OIL | 58 | |
| 309 | TIME | 122 | 48 | TEMP | OIL | 39 | 45 | OUTLET | -21 | 45 | 45 | OIL | 45 | OIL | -21 | 45 | OIL | -21 | 46 | 46 | 46 | 46 | OIL | 66 | OIL | 66 | OIL | 61 | OIL | 61 | OIL | 60 | OIL | 60 | OIL | 59 | OIL | 59 | OIL | 58 | OIL | 58 | |
| 310 | TIME | 122 | 48 | TEMP | OIL | 38 | 45 | OUTLET | -21 | 45 | 45 | OIL | 45 | OIL | -21 | 45 | OIL | -21 | 46 | 46 | 46 | 46 | OIL | 66 | OIL | 66 | OIL | 61 | OIL | 61 | OIL | 60 | OIL | 60 | OIL | 59 | OIL | 59 | OIL | 58 | OIL | 58 | |
| 311 | TIME | 122 | 48 | TEMP | OIL | 38 | 45 | OUTLET | -21 | 45 | 45 | OIL | 45 | OIL | -21 | 45 | OIL | -21 | 46 | 46 | 46 | 46 | OIL | 66 | OIL | 66 | OIL | 61 | OIL | 61 | OIL | 60 | OIL | 60 | OIL | 59 | OIL | 59 | OIL | 58 | OIL | 58 | |
| 312 | TIME | 123 | 48 | TEMP | OIL | 38 | 45 | OUTLET | -21 | 45 | 45 | OIL | 45 | OIL | -21 | 45 | OIL | -21 | 46 | 46 | 46 | 46 | OIL | 66 | OIL | 66 | OIL | 61 | OIL | 61 | OIL | 60 | OIL | 60 | OIL | 59 | OIL | 59 | OIL | 58 | OIL | 58 | |

HH-53C S/N 66-10354

ARCTIC TEST

21 JANUARY 1971

RUN NO. 7 -42 DEG C / -43 DEG F

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR BOX OIL TEMP DEG.C | 5-16 MAIN G-BOX COOLER INLET OIL TEMP DEG.C | 5-17 MAIN G-BOX COOLER OUTLET OIL TEMP DEG.C | 5-18 INTER. GEAR BOX OIL TEMP DEG.C | 5-19 TAIL GEAR BOX OIL TEMP DEG.C | 5-20 GEN.1 MASS TEMP DEG.C | 5-21 FUEL TEMP. COMBST HEATER DEG.C | 5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C | 5-23 L.ELEC COMPT BTH RT AIR TEMP DEG.C | 5-24 L.ELEC COMPT BTHLFT AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|--|---|---|---|--|--|---|---|---|
| 1 | 3 | 3 | -9 | -23 | -24 | -30 | -22 | 0 | 3 | 21 | -0 | -5 |
| 2 | 3 | 24 | -10 | -24 | -24 | -31 | -20 | 1 | 4 | 20 | -0 | -5 |
| 3 | 4 | 44 | -9 | -23 | -24 | -31 | -16 | 0 | 3 | 21 | -1 | -5 |
| 4 | 4 | 5 | -9 | -23 | -24 | -31 | -20 | 0 | 5 | 22 | 0 | -5 |
| 5 | 4 | 25 | -9 | -23 | -24 | -31 | -21 | 0 | 4 | 22 | 0 | -5 |
| 6 | 4 | 46 | 2 | -23 | -24 | -31 | -22 | 0 | 3 | 22 | 0 | -5 |
| 7 | 4 | 4 | 6 | -24 | -24 | -31 | -25 | 0 | 1 | 22 | 0 | -5 |
| 8 | 5 | 27 | 10 | -23 | -24 | -32 | -16 | 0 | 7 | 21 | -0 | -5 |
| 9 | 5 | 47 | 13 | -23 | -24 | -32 | -22 | 0 | 5 | 22 | -0 | -5 |
| 10 | 5 | 8 | 16 | -24 | -24 | -32 | -24 | 0 | 6 | 21 | -0 | -4 |
| 11 | 6 | 28 | 19 | -24 | -24 | -31 | -24 | 1 | 9 | 21 | -2 | -4 |
| 12 | 6 | 49 | 22 | -24 | -24 | -32 | -16 | 1 | 2 | 22 | -2 | -3 |
| 13 | 7 | 9 | 23 | -24 | -24 | -32 | -16 | 2 | 8 | 21 | -2 | -4 |
| 14 | 7 | 29 | 25 | -23 | -24 | -32 | -22 | 3 | 3 | 22 | -3 | -4 |
| 15 | 7 | 50 | 27 | -24 | -24 | -32 | -12 | 3 | 1 | 21 | -2 | -4 |
| 16 | 8 | 10 | 29 | -24 | -24 | -32 | -20 | 4 | 3 | 22 | -2 | -4 |
| 17 | 8 | 30 | 31 | -24 | -24 | -32 | -23 | 5 | 2 | 22 | -2 | -3 |
| 18 | 8 | 51 | 33 | -24 | -24 | -32 | -12 | 6 | 1 | 22 | -2 | -3 |
| 19 | 9 | 11 | 34 | -23 | -24 | -31 | -18 | 7 | 0 | 22 | -2 | -3 |
| 20 | 9 | 31 | 36 | -23 | -23 | -32 | -21 | 8 | 0 | 22 | -2 | -3 |
| 21 | 9 | 52 | 38 | -23 | -23 | -32 | -23 | 10 | 0 | 21 | -2 | -3 |
| 22 | 9 | 12 | 39 | -23 | -23 | -31 | -22 | 11 | 3 | 21 | -2 | -2 |
| 23 | 10 | 32 | 40 | -22 | -23 | -31 | -20 | 11 | 2 | 21 | -2 | -1 |
| 24 | 10 | 52 | 41 | -23 | -23 | -31 | -12 | 12 | 0 | 21 | -2 | -1 |
| 25 | 11 | 13 | 42 | -22 | -23 | -30 | -16 | 13 | -5 | 20 | -2 | -1 |
| 26 | 11 | 33 | 44 | -22 | -23 | -31 | -16 | 14 | 3 | 20 | -2 | -1 |
| 27 | 11 | 53 | 45 | -23 | -23 | -31 | -19 | 15 | -1 | 20 | -2 | -1 |
| 28 | 12 | 13 | 46 | -22 | -23 | -31 | -25 | 15 | 14 | 19 | -1 | 0 |
| 29 | 12 | 33 | 46 | -22 | -23 | -31 | -20 | 17 | 17 | 20 | -1 | 0 |
| 30 | 12 | 54 | 48 | -23 | -23 | -32 | -17 | 17 | 15 | 19 | 0 | 3 |
| 31 | 13 | 14 | 48 | -23 | -23 | -31 | -20 | 18 | 17 | 21 | 0 | 4 |
| 32 | 13 | 34 | 49 | 17 | 15 | -31 | -22 | 19 | 4 | 22 | 2 | 4 |
| 33 | 13 | 54 | 49 | 17 | 16 | -31 | -20 | 18 | 3 | 22 | 3 | 6 |
| 34 | 14 | 14 | 49 | 17 | 16 | -31 | -14 | 16 | 3 | 22 | 2 | 6 |
| 35 | 14 | 35 | 49 | 19 | 18 | -30 | -8 | 17 | 2 | 24 | 5 | 7 |
| 36 | 14 | 55 | 47 | 21 | 20 | -30 | 2 | 16 | 2 | 23 | 5 | 7 |
| 37 | 15 | 13 | 47 | 23 | 22 | -30 | 3 | 14 | 2 | 23 | 5 | 7 |
| 38 | 15 | 35 | 46 | 25 | 24 | -30 | 5 | 14 | 2 | 23 | 6 | 7 |
| 39 | 15 | 55 | 46 | 26 | 26 | -31 | 5 | 14 | 1 | 23 | 6 | 8 |
| 40 | 16 | 16 | 45 | 28 | 27 | -30 | 7 | 14 | 0 | 22 | 0 | 8 |
| 41 | 16 | 36 | 45 | 30 | 29 | -30 | 5 | 14 | 0 | 22 | 0 | 8 |
| 42 | 16 | 56 | 46 | 31 | 31 | -29 | 5 | 14 | 2 | 22 | 0 | 9 |
| 43 | 17 | 16 | 45 | 33 | 32 | -27 | 5 | 14 | 2 | 22 | 0 | 9 |
| 44 | 17 | 36 | 45 | 34 | 34 | -25 | 11 | 14 | 1 | 21 | 0 | 9 |
| 45 | 17 | 56 | 45 | 36 | 35 | -24 | 11 | 14 | -0 | 21 | 0 | 10 |

| LINE | UNIT | 5-23 | 5-24 | 5-20 | 5-19 | 5-18 | 5-17 | 5-16 | 5-15 | 5-14 | 5-13 | 5-12 | 5-11 | 5-10 | 5-9 | 5-8 | 5-7 | 5-6 | 5-5 | 5-4 | 5-3 | 5-2 | 5-1 | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 46 | TAIL | 14 | 10 | 14 | 29 | -23 | 37 | 74 | 37 | -23 | 37 | 14 | 14 | 14 | 1 | 21 | 21 | 14 | 14 | 14 | 0 | 0 | 0 | 10 |
| 47 | GEAR | 14 | 10 | 14 | 11 | -24 | 38 | 38 | 38 | -24 | 38 | 14 | 14 | 14 | 1 | 21 | 21 | 14 | 14 | 14 | 0 | 0 | 0 | 10 |
| 48 | BOX | 19 | 11 | 13 | 8 | -22 | 39 | 40 | 39 | -22 | 40 | 13 | 13 | 13 | 0 | 21 | 21 | 13 | 13 | 13 | 0 | 0 | 0 | 11 |
| 49 | OIL | 17 | 11 | 40 | 11 | -22 | 41 | 41 | 41 | -22 | 41 | 13 | 13 | 13 | -1 | 21 | 21 | 13 | 13 | 13 | 1 | 1 | 1 | 11 |
| 50 | TEMP | 37 | 11 | 41 | 11 | -21 | 41 | 42 | 41 | -21 | 41 | 14 | 14 | 14 | 1 | 21 | 21 | 14 | 14 | 14 | 1 | 1 | 1 | 12 |
| 51 | OIL | 57 | 11 | 44 | 11 | -21 | 42 | 44 | 42 | -21 | 42 | 14 | 14 | 14 | -1 | 20 | 20 | 14 | 14 | 14 | 1 | 1 | 1 | 12 |
| 52 | TEMP | 17 | 11 | 44 | 11 | -22 | 44 | 44 | 44 | -22 | 44 | 14 | 14 | 14 | -1 | 20 | 20 | 14 | 14 | 14 | 1 | 1 | 1 | 12 |
| 53 | OIL | 37 | 11 | 45 | 11 | -21 | 45 | 45 | 45 | -21 | 45 | 14 | 14 | 14 | -2 | 20 | 20 | 14 | 14 | 14 | 1 | 1 | 1 | 12 |
| 54 | TEMP | 57 | 11 | 45 | 11 | -21 | 45 | 46 | 45 | -21 | 45 | 14 | 14 | 14 | 0 | 19 | 19 | 14 | 14 | 14 | 2 | 2 | 2 | 12 |
| 55 | OIL | 17 | 11 | 46 | 11 | -20 | 46 | 46 | 46 | -20 | 46 | 13 | 13 | 13 | 0 | 19 | 19 | 13 | 13 | 13 | 2 | 2 | 2 | 12 |
| 56 | TEMP | 37 | 11 | 46 | 11 | -20 | 47 | 46 | 46 | -20 | 47 | 14 | 14 | 14 | 0 | 19 | 19 | 14 | 14 | 14 | 2 | 2 | 2 | 12 |
| 57 | OIL | 57 | 11 | 48 | 14 | -18 | 48 | 48 | 48 | -18 | 48 | 13 | 13 | 13 | -2 | 20 | 20 | 13 | 13 | 13 | 3 | 3 | 3 | 12 |
| 58 | TEMP | 17 | 11 | 49 | 14 | -20 | 48 | 49 | 48 | -20 | 48 | 13 | 13 | 13 | 0 | 19 | 19 | 13 | 13 | 13 | 3 | 3 | 3 | 12 |
| 59 | OIL | 37 | 11 | 50 | 9 | -20 | 49 | 50 | 49 | -20 | 49 | 13 | 13 | 13 | 0 | 17 | 17 | 13 | 13 | 13 | 3 | 3 | 3 | 12 |
| 60 | TEMP | 22 | 11 | 51 | 12 | -21 | 50 | 51 | 50 | -21 | 50 | 12 | 12 | 12 | 0 | 17 | 17 | 12 | 12 | 12 | 3 | 3 | 3 | 12 |
| 61 | OIL | 22 | 11 | 53 | 12 | -19 | 51 | 53 | 51 | -19 | 51 | 11 | 11 | 11 | -3 | 10 | 10 | 11 | 11 | 11 | 1 | 1 | 1 | -0 |
| 62 | TEMP | 18 | 11 | 55 | 36 | -15 | 52 | 55 | 52 | -15 | 52 | 10 | 10 | 10 | 0 | 8 | 8 | 10 | 10 | 10 | -2 | -2 | -2 | -8 |
| 63 | OIL | 38 | 11 | 56 | 11 | -14 | 52 | 56 | 52 | -14 | 52 | 9 | 9 | 9 | 0 | 7 | 7 | 9 | 9 | 9 | -2 | -2 | -2 | -8 |
| 64 | TEMP | 58 | 11 | 58 | 14 | -17 | 53 | 58 | 53 | -17 | 53 | 10 | 10 | 10 | -2 | 5 | 5 | 10 | 10 | 10 | -4 | -4 | -4 | -9 |
| 65 | OIL | 18 | 11 | 59 | 14 | -14 | 54 | 59 | 54 | -14 | 54 | 9 | 9 | 9 | 0 | 5 | 5 | 9 | 9 | 9 | -4 | -4 | -4 | -9 |
| 66 | TEMP | 27 | 11 | 39 | 14 | -17 | 55 | 61 | 55 | -17 | 55 | 8 | 8 | 8 | 0 | 2 | 2 | 8 | 8 | 8 | -4 | -4 | -4 | -14 |
| 67 | OIL | 47 | 11 | 39 | 14 | -14 | 55 | 62 | 55 | -14 | 55 | 8 | 8 | 8 | 0 | 2 | 2 | 8 | 8 | 8 | -4 | -4 | -4 | -14 |
| 68 | TEMP | 57 | 11 | 38 | 14 | -10 | 56 | 62 | 56 | -10 | 56 | 8 | 8 | 8 | 0 | 2 | 2 | 8 | 8 | 8 | -4 | -4 | -4 | -14 |
| 69 | OIL | 5 | 11 | 35 | 16 | -13 | 57 | 66 | 57 | -13 | 57 | 7 | 7 | 7 | 0 | 0 | 0 | 7 | 7 | 7 | -4 | -4 | -4 | -15 |
| 70 | TEMP | 43 | 11 | 35 | 16 | -13 | 58 | 68 | 58 | -13 | 58 | 5 | 5 | 5 | -5 | -10 | -10 | 5 | 5 | 5 | -4 | -4 | -4 | -15 |
| 71 | OIL | 31 | 11 | 35 | 14 | -13 | 58 | 68 | 58 | -13 | 58 | 5 | 5 | 5 | -5 | -10 | -10 | 5 | 5 | 5 | -4 | -4 | -4 | -15 |
| 72 | TEMP | 24 | 11 | 34 | 16 | -14 | 58 | 68 | 58 | -14 | 58 | 4 | 4 | 4 | -2 | -2 | -2 | 4 | 4 | 4 | -4 | -4 | -4 | -20 |
| 73 | OIL | 32 | 11 | 33 | 16 | -12 | 58 | 69 | 58 | -12 | 58 | 4 | 4 | 4 | -4 | -4 | -4 | 4 | 4 | 4 | -4 | -4 | -4 | -20 |
| 74 | TEMP | 43 | 11 | 33 | 16 | -12 | 57 | 69 | 57 | -12 | 57 | 4 | 4 | 4 | -5 | -5 | -5 | 4 | 4 | 4 | -4 | -4 | -4 | -18 |
| 75 | OIL | 33 | 11 | 33 | 16 | -10 | 58 | 69 | 57 | -8 | 57 | 4 | 4 | 4 | -6 | -6 | -6 | 4 | 4 | 4 | -4 | -4 | -4 | -18 |
| 76 | TEMP | 23 | 11 | 33 | 16 | -10 | 58 | 70 | 58 | -10 | 58 | 4 | 4 | 4 | -2 | -2 | -2 | 4 | 4 | 4 | -4 | -4 | -4 | -17 |
| 77 | OIL | 44 | 11 | 33 | 16 | -7 | 58 | 70 | 58 | -7 | 58 | 4 | 4 | 4 | -2 | -2 | -2 | 4 | 4 | 4 | -4 | -4 | -4 | -18 |
| 78 | TEMP | 4 | 11 | 33 | 16 | -8 | 57 | 70 | 57 | -8 | 57 | 4 | 4 | 4 | -3 | -3 | -3 | 4 | 4 | 4 | -4 | -4 | -4 | -17 |
| 79 | OIL | 24 | 11 | 33 | 16 | -13 | 58 | 70 | 58 | -13 | 58 | 4 | 4 | 4 | -3 | -3 | -3 | 4 | 4 | 4 | -4 | -4 | -4 | -17 |
| 80 | TEMP | 44 | 11 | 33 | 16 | -12 | 57 | 71 | 57 | -12 | 57 | 4 | 4 | 4 | -3 | -3 | -3 | 4 | 4 | 4 | -4 | -4 | -4 | -15 |
| 81 | OIL | 3 | 11 | 33 | 16 | -11 | 57 | 71 | 57 | -11 | 57 | 4 | 4 | 4 | -5 | -5 | -5 | 4 | 4 | 4 | -4 | -4 | -4 | -17 |
| 82 | TEMP | 25 | 11 | 33 | 16 | -9 | 57 | 71 | 57 | -9 | 57 | 4 | 4 | 4 | -6 | -6 | -6 | 4 | 4 | 4 | -4 | -4 | -4 | -16 |
| 83 | OIL | 45 | 11 | 33 | 16 | -8 | 57 | 71 | 57 | -8 | 57 | 4 | 4 | 4 | -3 | -3 | -3 | 4 | 4 | 4 | -4 | -4 | -4 | -16 |
| 84 | TEMP | 5 | 11 | 33 | 16 | -9 | 58 | 71 | 58 | -9 | 58 | 5 | 5 | 5 | -1 | -1 | -1 | 4 | 4 | 4 | -4 | -4 | -4 | -16 |
| 85 | OIL | 25 | 11 | 32 | 16 | -9 | 57 | 71 | 57 | -9 | 57 | 4 | 4 | 4 | -2 | -2 | -2 | 4 | 4 | 4 | -4 | -4 | -4 | -16 |
| 86 | TEMP | 45 | 11 | 32 | 16 | -8 | 57 | 71 | 57 | -8 | 57 | 4 | 4 | 4 | -4 | -4 | -4 | 4 | 4 | 4 | -4 | -4 | -4 | -16 |
| 87 | OIL | 5 | 11 | 32 | 16 | -7 | 57 | 71 | 57 | -7 | 57 | 4 | 4 | 4 | -6 | -6 | -6 | 4 | 4 | 4 | -4 | -4 | -4 | -16 |
| 88 | TEMP | 25 | 11 | 33 | 16 | -6 | 57 | 71 | 57 | -6 | 57 | 5 | 5 | 5 | -6 | -6 | -6 | 4 | 4 | 4 | -4 | -4 | -4 | -16 |
| 89 | OIL | 46 | 11 | 33 | 16 | -8 | 58 | 71 | 58 | -8 | 58 | 4 | 4 | 4 | -1 | -1 | -1 | 4 | 4 | 4 | -4 | -4 | -4 | -18 |
| 90 | TEMP | 6 | 11 | 33 | 16 | -7 | 57 | 72 | 57 | -7 | 57 | 4 | 4 | 4 | -4 | -4 | -4 | 4 | 4 | 4 | -4 | -4 | -4 | -17 |
| 91 | OIL | 38 | 11 | 32 | 16 | -10 | 57 | 72 | 57 | -10 | 57 | 4 | 4 | 4 | -4 | -4 | -4 | 4 | 4 | 4 | -4 | -4 | -4 | -15 |
| 92 | TEMP | 46 | 11 | 33 | 16 | -8 | 57 | 72 | 57 | -8 | 57 | 5 | 5 | 5 | -5 | -5 | -5 | 4 | 4 | 4 | -4 | -4 | -4 | -16 |
| 93 | OIL | 39 | 11 | 33 | 16 | -11 | 57 | 72 | 57 | -11 | 57 | 5 | 5 | 5 | -0 | -0 | -0 | 4 | 4 | 4 | -4 | -4 | -4 | -16 |
| 94 | TEMP | 46 | 11 | 33 | 16 | -10 | 57 | 72 | 57 | -10 | 57 | 5 | 5 | 5 | -1 | -1 | -1 | 4 | 4 | 4 | -4 | -4 | -4 | -17 |
| 95 | OIL | 6 | 11 | 32 | 16 | -10 | 57 | 72 | 57 | -10 | 57 | 5 | 5 | 5 | -4 | -4 | -4 | 4 | 4 | 4 | -4 | -4 | -4 | -16 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR BOX OIL TEMP DEG.C | 5-16 MAIN G. BOX COOLER INLET OIL DEG.C | 5-17 MAIN G. BOX COOLER OUTLET OIL DEG.C | 5-18 INTER. GEAR BOX OIL TEMP DEG.C | 5-19 TAIL GEAR BOX OIL TEMP DEG.C | 5-20 GEN. 1 MASS TEMP DEG.C | 5-21 FUEL TEMP. TO COMBST HEATER DEG.C | 5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C | 5-23 L.ELEC COMPT 8TH RT AIR TEMP DEG.C | 5-24 L.ELEC COMPT 8TH LFT AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|---|--|---|---|--|
| 96 | 40 | 26 | 32 | 71 | 57 | -8 | 18 | 5 | -5 | -5 | -16 | -15 |
| 97 | 41 | 27 | 33 | 72 | 56 | -11 | 20 | 6 | 8 | -4 | -15 | -15 |
| 100 | 42 | 27 | 33 | 72 | 57 | -11 | 18 | 6 | -2 | -4 | -15 | -14 |
| 101 | 42 | 27 | 33 | 72 | 57 | -11 | 18 | 7 | -2 | -5 | -15 | -14 |
| 102 | 42 | 27 | 33 | 71 | 57 | -11 | 22 | 7 | -4 | -4 | -15 | -14 |
| 103 | 42 | 27 | 33 | 72 | 56 | -11 | 18 | 7 | 0 | -5 | -15 | -14 |
| 104 | 43 | 27 | 34 | 71 | 56 | -10 | 22 | 7 | 1 | -4 | -14 | -14 |
| 105 | 43 | 27 | 34 | 71 | 56 | -10 | 22 | 7 | 0 | -4 | -14 | -14 |
| 106 | 43 | 27 | 34 | 71 | 56 | -11 | 20 | 7 | -2 | -4 | -14 | -14 |
| 107 | 44 | 27 | 34 | 71 | 56 | -9 | 25 | 7 | -2 | -5 | -14 | -14 |
| 108 | 44 | 27 | 34 | 72 | 57 | -10 | 20 | 7 | 1 | -4 | -14 | -14 |
| 109 | 44 | 27 | 34 | 72 | 56 | -9 | 19 | 8 | 1 | -4 | -14 | -14 |
| 110 | 45 | 27 | 35 | 72 | 56 | -9 | 18 | 8 | 0 | -4 | -14 | -14 |
| 111 | 45 | 27 | 35 | 72 | 57 | -9 | 29 | 8 | 0 | -4 | -14 | -14 |
| 112 | 45 | 27 | 35 | 72 | 56 | -9 | 20 | 8 | -2 | -4 | -14 | -14 |
| 113 | 46 | 27 | 35 | 72 | 57 | -10 | 22 | 8 | 1 | -5 | -14 | -14 |
| 114 | 46 | 27 | 35 | 72 | 57 | -9 | 23 | 8 | 2 | -5 | -14 | -14 |
| 115 | 49 | 33 | 36 | 73 | 57 | -9 | 23 | 9 | 2 | -5 | -15 | -16 |
| 116 | 49 | 33 | 36 | 73 | 57 | -13 | 22 | 8 | 3 | -5 | -14 | -16 |
| 117 | 49 | 33 | 35 | 73 | 57 | -8 | 20 | 9 | 0 | -5 | -14 | -16 |
| 118 | 51 | 32 | 35 | 73 | 57 | -10 | 20 | 9 | 0 | -6 | -14 | -16 |
| 119 | 52 | 32 | 36 | 73 | 57 | -9 | 20 | 9 | -1 | -6 | -14 | -16 |
| 120 | 52 | 32 | 35 | 74 | 57 | -10 | 22 | 9 | 4 | -5 | -14 | -16 |
| 121 | 54 | 31 | 36 | 75 | 56 | -9 | 19 | 9 | 0 | -5 | -14 | -16 |
| 122 | 54 | 31 | 36 | 76 | 58 | -9 | 18 | 9 | 0 | -6 | -14 | -15 |
| 123 | 55 | 31 | 36 | 74 | 58 | -12 | 20 | 9 | 0 | -6 | -14 | -17 |
| 124 | 56 | 30 | 36 | 72 | 56 | -12 | 25 | 10 | 2 | -5 | -15 | -16 |
| 125 | 56 | 30 | 36 | 72 | 56 | -10 | 23 | 10 | 1 | -5 | -14 | -16 |
| 126 | 57 | 30 | 35 | 72 | 56 | -11 | 29 | 9 | 8 | -5 | -14 | -16 |
| 127 | 57 | 30 | 36 | 72 | 56 | -10 | 20 | 9 | 0 | -5 | -14 | -15 |
| 128 | 57 | 30 | 36 | 72 | 56 | -10 | 20 | 10 | 2 | -4 | -14 | -14 |
| 129 | 58 | 30 | 36 | 72 | 56 | -11 | 22 | 9 | 3 | -5 | -14 | -14 |
| 130 | 58 | 30 | 36 | 72 | 56 | -10 | 19 | 10 | 1 | -5 | -14 | -14 |
| 131 | 58 | 30 | 36 | 72 | 56 | -11 | 16 | 10 | 0 | -5 | -14 | -14 |
| 132 | 59 | 30 | 36 | 72 | 56 | -11 | 20 | 9 | 0 | -5 | -14 | -14 |
| 133 | 59 | 30 | 36 | 72 | 56 | -12 | 20 | 9 | -2 | -5 | -14 | -14 |
| 134 | 59 | 30 | 36 | 73 | 56 | -10 | 22 | 10 | 2 | -5 | -14 | -14 |
| 135 | 60 | 30 | 36 | 73 | 57 | -11 | 20 | 9 | 1 | -5 | -14 | -14 |
| 136 | 60 | 30 | 36 | 73 | 57 | -10 | 23 | 9 | 0 | -5 | -14 | -14 |
| 137 | 60 | 30 | 36 | 74 | 57 | -10 | 19 | 10 | -1 | -5 | -14 | -14 |
| 138 | 61 | 30 | 36 | 74 | 58 | -8 | 16 | 10 | -2 | -5 | -14 | -14 |
| 139 | 61 | 29 | 36 | 75 | 57 | -11 | 17 | 9 | 2 | -5 | -14 | -14 |
| 140 | 62 | 28 | 36 | 75 | 58 | -9 | 23 | 9 | 1 | -5 | -14 | -14 |
| 141 | 62 | 28 | 36 | 74 | 58 | -10 | 20 | 9 | 3 | -6 | -14 | -15 |
| 142 | 63 | 28 | 36 | 73 | 58 | -10 | 25 | 9 | 0 | -6 | -14 | -16 |
| 143 | 65 | 27 | 36 | 73 | 57 | -12 | 22 | 10 | 3 | -5 | -14 | -15 |
| 144 | 65 | 27 | 36 | 73 | 57 | -12 | 21 | 9 | 1 | -5 | -14 | -14 |
| 145 | 65 | 27 | 36 | 72 | 57 | -12 | 22 | 9 | 0 | -5 | -13 | -14 |
| 146 | 66 | 27 | 36 | 72 | 56 | -12 | 22 | 9 | -1 | -5 | -13 | -14 |

| SWR COUNT | 5-12 TIME MIN. | 5-13 TIME SEC. | 5-14 PRESS GEAR | 5-15 GEAR BOX | 5-16 OIL TEMP DEG.C | 5-17 MAIN COOLER OUTLET | 5-18 INTEP. GEAR BOX OIL TEMP DEG.C | 5-19 TAIL GEAR BOX OIL TEMP DEG.C | 5-20 GEN.1 MASS TEMP | 5-21 FUEL TEMP. TO CONVST HEATER TEMP DEG.C | 5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C | 5-23 L.ELEC COMPT BTM RT AIR TEMP DEG.C | 5-24 L.ELEC COMPT BTM LFT AIR TEMP DEG.C |
|--------------|----------------------|----------------------|-----------------------|---------------------|------------------------------|----------------------------------|---|---|-------------------------------|--|---|---|--|
| | | | | | | | | | | | | | |
| 147 | 57 | 4 | 36 | 36 | 72 | 57 | -14 | 22 | 10 | 1 | -3 | -14 | -14 |
| 148 | 57 | 24 | 36 | 36 | 72 | 58 | -14 | 17 | 11 | 0 | 0 | -12 | -13 |
| 149 | 57 | 47 | 36 | 36 | 71 | 58 | -13 | 16 | 10 | 0 | 0 | -12 | -13 |
| 150 | 58 | 3 | 36 | 36 | 71 | 58 | -14 | 22 | 10 | 3 | 0 | -12 | -14 |
| 151 | 58 | 22 | 36 | 36 | 70 | 58 | -13 | 20 | 9 | 3 | 0 | -12 | -14 |
| 152 | 58 | 42 | 36 | 36 | 69 | 58 | -14 | 25 | 9 | 0 | -2 | -13 | -14 |
| 153 | 59 | 2 | 36 | 36 | 69 | 58 | -15 | 29 | 8 | 0 | -4 | -13 | -15 |
| 154 | 59 | 22 | 35 | 35 | 69 | 59 | -16 | 21 | 8 | 2 | -4 | -13 | -15 |
| 155 | 59 | 42 | 35 | 35 | 68 | 59 | -18 | 22 | 7 | 0 | -1 | -12 | -10 |
| 156 | 59 | 70 | 35 | 35 | 69 | 59 | -18 | 25 | 7 | 0 | 0 | -8 | -8 |
| 157 | 78 | 22 | 35 | 35 | 69 | 59 | -18 | 22 | 7 | 0 | 1 | -7 | -7 |
| 158 | 70 | 41 | 35 | 35 | 68 | 59 | -20 | 28 | 7 | 0 | 2 | -9 | -10 |
| 159 | 71 | 1 | 35 | 35 | 69 | 59 | -22 | 22 | 6 | 0 | 1 | -12 | -12 |
| 160 | 71 | 21 | 35 | 35 | 69 | 60 | -21 | 22 | 5 | 0 | 1 | -12 | -13 |
| 161 | 71 | 41 | 35 | 35 | 69 | 60 | -22 | 19 | 5 | 0 | 0 | -12 | -12 |
| 162 | 72 | 1 | 35 | 35 | 70 | 60 | -22 | 18 | 4 | 0 | 1 | -11 | -10 |
| 163 | 72 | 21 | 34 | 34 | 70 | 59 | -21 | 18 | 5 | 0 | 3 | -9 | -8 |
| 164 | 72 | 41 | 34 | 34 | 71 | 58 | -21 | 22 | 4 | 0 | 4 | -9 | -9 |
| 165 | 73 | 1 | 35 | 35 | 71 | 58 | -22 | 28 | 5 | 0 | 3 | -8 | -8 |
| 166 | 73 | 21 | 34 | 34 | 72 | 58 | -20 | 19 | 4 | 0 | 3 | -6 | -5 |
| 167 | 73 | 41 | 35 | 35 | 72 | 58 | -19 | 22 | 5 | 0 | 3 | -5 | -5 |
| 168 | 74 | 1 | 35 | 35 | 72 | 60 | -18 | 23 | 6 | 0 | 3 | -5 | -5 |
| 169 | 74 | 21 | 35 | 35 | 71 | 60 | -17 | 22 | 5 | 0 | 0 | -8 | -8 |
| 170 | 74 | 41 | 34 | 34 | 72 | 59 | -17 | 21 | 4 | 0 | -2 | -11 | -11 |
| 171 | 75 | 0 | 34 | 34 | 72 | 59 | -16 | 22 | 4 | 0 | -5 | -11 | -11 |
| 172 | 75 | 23 | 34 | 34 | 72 | 59 | -16 | 18 | 4 | 0 | -4 | -14 | -14 |
| 173 | 75 | 40 | 34 | 34 | 73 | 58 | -16 | 17 | 3 | 0 | -4 | -15 | -15 |
| 174 | 76 | 0 | 34 | 34 | 72 | 58 | -20 | 18 | 4 | 0 | -5 | -16 | -16 |
| 175 | 76 | 21 | 42 | 42 | 70 | 59 | -21 | 18 | 2 | 0 | -4 | -17 | -17 |
| 176 | 78 | 42 | 32 | 32 | 71 | 60 | -20 | 18 | 2 | 0 | -4 | -18 | -18 |
| 177 | 79 | 1 | 32 | 32 | 72 | 58 | -21 | 22 | 2 | 0 | -3 | -14 | -14 |
| 178 | 79 | 21 | 32 | 32 | 72 | 59 | -20 | 22 | 2 | 0 | 0 | -11 | -11 |
| 179 | 79 | 41 | 32 | 32 | 72 | 59 | -20 | 22 | 2 | 0 | 0 | -10 | -10 |
| 180 | 80 | 1 | 32 | 32 | 73 | 59 | -20 | 22 | 2 | 0 | -1 | -10 | -10 |
| 181 | 80 | 21 | 33 | 33 | 73 | 58 | -20 | 20 | 2 | 0 | -1 | -10 | -10 |
| 182 | 80 | 41 | 33 | 33 | 74 | 58 | -21 | 22 | 3 | 0 | 0 | -9 | -9 |
| 183 | 81 | 1 | 33 | 33 | 75 | 58 | -20 | 22 | 3 | 0 | 0 | -8 | -8 |
| 184 | 81 | 21 | 33 | 33 | 74 | 59 | -22 | 29 | 4 | 0 | 0 | -8 | -8 |
| 185 | 81 | 40 | 33 | 33 | 74 | 60 | -21 | 20 | 4 | 0 | 0 | -8 | -8 |
| 186 | 82 | 0 | 34 | 34 | 73 | 59 | -21 | 22 | 4 | 0 | 0 | -8 | -8 |
| 187 | 82 | 20 | 34 | 34 | 73 | 59 | -21 | 22 | 5 | 0 | 0 | -8 | -8 |
| 188 | 82 | 40 | 34 | 34 | 72 | 59 | -20 | 25 | 5 | 0 | 0 | -7 | -7 |
| 189 | 83 | 0 | 34 | 34 | 72 | 59 | -20 | 21 | 5 | 0 | 0 | -6 | -6 |
| 190 | 83 | 19 | 34 | 34 | 72 | 58 | -19 | 25 | 5 | 0 | 0 | -6 | -6 |
| 191 | 83 | 39 | 34 | 34 | 71 | 58 | -20 | 21 | 5 | 0 | -1 | -7 | -7 |
| 192 | 83 | 59 | 34 | 34 | 70 | 59 | -20 | 23 | 6 | 0 | -1 | -5 | -5 |
| 193 | 84 | 19 | 34 | 34 | 70 | 58 | -20 | 23 | 6 | 0 | -3 | -8 | -8 |
| 194 | 84 | 39 | 34 | 34 | 71 | 59 | -20 | 25 | 6 | 0 | -4 | -7 | -7 |
| 195 | 84 | 59 | 34 | 34 | 70 | 59 | -21 | 26 | 6 | 0 | -5 | -8 | -8 |
| 196 | 85 | 19 | 34 | 34 | 69 | 58 | -21 | 27 | 6 | 0 | -6 | -8 | -8 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR BOX OIL TEMP DEG.C | 5-15 MAIN COOLER INLET OIL TEMP NEG.C | 5-17 MAIN COOLER OUTLET OIL TEMP NEG.C | 5-18 INVER. GEAR BOX OIL TEMP DEG.C | 5-19 TAIL GEAR BOX OIL TEMP DEG.C | 5-20 GEN.1 WASS TEMP DEG.C | 5-21 FUEL TEMP. TO CONSTR HEATER DEG.C | 5-22 L-ELEC COMPT TORCTR AIR TEMP DEG.C | 5-23 L-ELEC COMPT BTH AT AIR TEMP DEG.C | 5-24 L-ELEC COMPT RYNLFT AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|--|--|---|---|---|
| 197 | 85 | 39 | 34 | 69 | 59 | -22 | 22 | 7 | -5 | -5 | -6 | -8 |
| 198 | 85 | 58 | 35 | 69 | 58 | -21 | 21 | 7 | -5 | -3 | -8 | -7 |
| 199 | 86 | 18 | 35 | 69 | 60 | -18 | 21 | 6 | -6 | -4 | -10 | -11 |
| 200 | 86 | 38 | 34 | 70 | 58 | -18 | 20 | 5 | -8 | -7 | -14 | -14 |
| 201 | 86 | 58 | 34 | 70 | 58 | -19 | 17 | 5 | -4 | -8 | -15 | -18 |
| 202 | 87 | 18 | 34 | 70 | 59 | -20 | 19 | 4 | -9 | -9 | -15 | -16 |
| 203 | 87 | 38 | 34 | 70 | 60 | -20 | 19 | 5 | -4 | -8 | -13 | -12 |
| 204 | 87 | 58 | 34 | 71 | 59 | -20 | 20 | 4 | -3 | -6 | -14 | -12 |
| 205 | 88 | 17 | 34 | 71 | 60 | -21 | 22 | 4 | -4 | -8 | -16 | -13 |
| 206 | 88 | 37 | 34 | 72 | 60 | -19 | 22 | 4 | -4 | -8 | -16 | -13 |
| 207 | 88 | 57 | 34 | 72 | 59 | -21 | 36 | 5 | -6 | -9 | -13 | -13 |
| 208 | 89 | 17 | 34 | 72 | 58 | -22 | 23 | 4 | -8 | -6 | -15 | -12 |
| 209 | 89 | 37 | 34 | 72 | 61 | -21 | 23 | 4 | -8 | -8 | -13 | -13 |
| 210 | 89 | 57 | 34 | 73 | 55 | -21 | 24 | 4 | -8 | -8 | -15 | -13 |
| 211 | 90 | 17 | 34 | 73 | 58 | -21 | 25 | 3 | -9 | -8 | -15 | -13 |
| 212 | 90 | 37 | 34 | 73 | 59 | -20 | 23 | 3 | -4 | -8 | -15 | -14 |
| 213 | 90 | 57 | 34 | 74 | 59 | -22 | 26 | 3 | -4 | -8 | -15 | -14 |
| 214 | 91 | 17 | 34 | 75 | 58 | -22 | 16 | 3 | -4 | -7 | -15 | -12 |
| 215 | 91 | 36 | 34 | 74 | 59 | -21 | 26 | 3 | -6 | -6 | -16 | -12 |
| 216 | 91 | 56 | 34 | 75 | 58 | -21 | 26 | 3 | -8 | -5 | -13 | -11 |
| 217 | 92 | 16 | 34 | 75 | 58 | -21 | 26 | 3 | -5 | -5 | -13 | -11 |
| 218 | 92 | 36 | 34 | 75 | 59 | -18 | 25 | 3 | -4 | -4 | -11 | -9 |
| 219 | 92 | 56 | 34 | 75 | 58 | -20 | 23 | 3 | -4 | -4 | -8 | -8 |
| 220 | 93 | 16 | 34 | 75 | 58 | -20 | 21 | 3 | -6 | -4 | -10 | -6 |
| 221 | 93 | 36 | 34 | 75 | 58 | -22 | 27 | 3 | -4 | -3 | -8 | -6 |
| 222 | 93 | 56 | 35 | 75 | 59 | -22 | 16 | 4 | -4 | -4 | -8 | -5 |
| 223 | 94 | 15 | 35 | 75 | 59 | -22 | 21 | 4 | -6 | -4 | -8 | -5 |
| 224 | 94 | 35 | 35 | 74 | 59 | -21 | 22 | 4 | -4 | -3 | -8 | -5 |
| 225 | 94 | 55 | 34 | 73 | 59 | -20 | 23 | 4 | -2 | -3 | -8 | -5 |
| 226 | 95 | 15 | 35 | 73 | 58 | -19 | 21 | 5 | -5 | -2 | -7 | -5 |
| 227 | 95 | 34 | 35 | 72 | 59 | -19 | 21 | 5 | -3 | -2 | -7 | -4 |
| 228 | 95 | 54 | 35 | 72 | 54 | -18 | 25 | 5 | -2 | -2 | -8 | -4 |
| 229 | 96 | 14 | 35 | 71 | 58 | -18 | 25 | 6 | -3 | -3 | -7 | -4 |
| 230 | 96 | 34 | 35 | 71 | 59 | -18 | 25 | 6 | -4 | -3 | -7 | -4 |
| 231 | 96 | 53 | 35 | 71 | 59 | -18 | 25 | 6 | -4 | -2 | -7 | -4 |
| 232 | 97 | 13 | 35 | 71 | 59 | -18 | 24 | 7 | -5 | -2 | -7 | -4 |
| 233 | 97 | 32 | 35 | 70 | 56 | -15 | 25 | 7 | -3 | -2 | -7 | -4 |
| 234 | 97 | 53 | 35 | 70 | 56 | -16 | 25 | 7 | -2 | -2 | -7 | -3 |
| 235 | 98 | 13 | 35 | 70 | 56 | -15 | 25 | 8 | -1 | -1 | -6 | -3 |
| 236 | 98 | 32 | 36 | 70 | 57 | -14 | 25 | 8 | -1 | -1 | -6 | -3 |
| 237 | 98 | 52 | 36 | 71 | 56 | -16 | 22 | 8 | -2 | -2 | -5 | -2 |
| 238 | 99 | 12 | 36 | 72 | 57 | -15 | 22 | 9 | -2 | -2 | -5 | -2 |
| 239 | 99 | 32 | 36 | 72 | 58 | -17 | 24 | 9 | -2 | -2 | -6 | -2 |
| 240 | 99 | 52 | 36 | 72 | 59 | -20 | 26 | 9 | -5 | -2 | -6 | -2 |
| 241 | 100 | 12 | 36 | 72 | 59 | -19 | 25 | 8 | -7 | -1 | -7 | -2 |
| 242 | 100 | 31 | 36 | 72 | 59 | -17 | 16 | 8 | -7 | -1 | -7 | -2 |
| 243 | 100 | 51 | 36 | 72 | 59 | -21 | 26 | 8 | -6 | -1 | -7 | -2 |
| 244 | 101 | 11 | 36 | 73 | 59 | -22 | 25 | 7 | -3 | -2 | -7 | -2 |
| 245 | 101 | 31 | 36 | 73 | 60 | -19 | 25 | 7 | -3 | -3 | -10 | -7 |
| 246 | 101 | 51 | 35 | 73 | 59 | -19 | 24 | 6 | -4 | -5 | -10 | -12 |

| 5-21 SWEEP COUNT | 5-22 TIME MIN. | 5-23 TIME SEC. | 5-15 ACCESS GEAR | 5-16 MAIN COOLER | 5-17 MAIN COOLER | 5-18 MAIN OIL | 5-19 INTER- GEAR | 5-20 TAIL GEAR | 5-21 FUEL TEMP. | 5-22 L-ELEC COMPT | 5-23 L-ELEC COMPT | 5-24 L-ELEC COMPT |
|------------------------|----------------------|----------------------|------------------------|------------------------|------------------------|---------------------|------------------------|----------------------|-----------------------|-------------------------|-------------------------|-------------------------|
| 247 | 102 | 10 | 35 | 74 | 54 | -22 | 26 | 6 | -6 | -4 | -10 | -10 |
| 248 | 102 | 30 | 16 | 75 | 54 | -21 | 27 | 5 | -8 | -3 | -8 | -7 |
| 249 | 102 | 50 | 15 | 74 | 59 | -20 | 26 | 5 | -4 | -2 | -8 | -8 |
| 250 | 103 | 10 | 35 | 75 | 59 | -19 | 27 | 6 | -8 | -0 | -8 | -4 |
| 251 | 103 | 30 | 35 | 75 | 58 | -18 | 25 | 6 | -4 | 0 | -5 | -4 |
| 252 | 103 | 49 | 35 | 75 | 59 | -21 | 25 | 5 | -5 | 0 | -4 | -3 |
| 253 | 104 | 9 | 15 | 75 | 5A | -20 | 27 | 6 | -6 | 0 | -4 | -4 |
| 254 | 104 | 29 | 35 | 75 | 59 | -20 | 25 | 6 | -4 | 0 | -4 | -3 |
| 255 | 104 | 49 | 35 | 75 | 59 | -21 | 26 | 6 | -6 | 1 | -4 | -3 |
| 256 | 105 | 9 | 15 | 75 | 59 | -24 | 27 | 5 | -2 | 1 | -2 | -3 |
| 257 | 105 | 28 | 35 | 74 | 59 | -20 | 27 | 6 | -5 | 3 | -3 | -2 |
| 258 | 105 | 48 | 16 | 74 | 59 | -18 | 24 | 5 | -8 | 5 | -4 | -3 |
| 259 | 106 | 8 | 35 | 75 | 59 | -20 | 25 | 5 | -3 | 5 | -4 | -3 |
| 260 | 106 | 28 | 35 | 75 | 59 | -24 | 27 | 5 | -5 | 4 | -3 | -2 |
| 261 | 106 | 48 | 35 | 75 | 59 | -22 | 25 | 5 | -4 | 5 | -2 | -1 |
| 262 | 107 | 7 | 35 | 76 | 59 | -22 | 25 | 5 | -4 | 6 | -2 | -1 |
| 263 | 107 | 27 | 35 | 76 | 59 | -22 | 23 | 5 | -7 | 7 | -0 | 0 |
| 264 | 107 | 47 | 35 | 75 | 59 | -21 | 25 | 4 | -8 | 7 | -0 | 0 |
| 265 | 108 | 7 | 36 | 75 | 58 | -23 | 25 | 4 | -2 | 7 | -0 | 0 |
| 266 | 108 | 27 | 35 | 75 | 5A | -21 | 25 | 5 | -2 | 3 | -6 | -6 |
| 267 | 109 | 26 | 35 | 75 | 58 | -16 | 28 | 4 | -3 | -1 | -12 | -13 |
| 270 | 109 | 45 | 34 | 74 | 58 | -16 | 25 | 4 | -4 | -1 | -12 | -15 |
| 271 | 110 | 5 | 34 | 74 | 59 | -16 | 18 | 4 | -5 | -1 | -12 | -14 |
| 272 | 110 | 25 | 32 | 73 | 59 | -18 | 32 | 4 | -3 | -1 | -14 | -14 |
| 273 | 110 | 44 | 34 | 72 | 61 | -21 | 22 | 4 | -3 | 0 | -12 | -11 |
| 274 | 111 | 4 | 34 | 71 | 59 | -19 | 22 | 4 | -6 | 1 | -9 | -8 |
| 275 | 111 | 24 | 34 | 73 | 57 | -19 | 25 | 4 | -3 | 2 | -6 | -4 |
| 276 | 111 | 44 | 34 | 72 | 59 | -21 | 25 | 5 | -3 | 3 | -5 | -2 |
| 277 | 112 | 3 | 34 | 73 | 59 | -20 | 24 | 5 | -4 | 4 | -3 | -2 |
| 278 | 112 | 23 | 34 | 73 | 57 | -20 | 23 | 5 | -6 | 4 | -3 | -1 |
| 279 | 112 | 43 | 34 | 72 | 58 | -21 | 25 | 7 | -1 | 5 | -2 | -1 |
| 280 | 113 | 7 | 34 | 72 | 59 | -21 | 19 | 7 | -3 | 6 | 0 | -1 |
| 281 | 113 | 22 | 35 | 71 | 56 | -20 | 20 | 7 | -2 | 6 | 8 | -2 |
| 282 | 113 | 42 | 35 | 71 | 58 | -20 | 20 | 7 | -4 | 5 | -0 | -3 |
| 283 | 114 | 2 | 35 | 70 | 58 | -18 | 14 | 8 | -2 | 5 | -2 | -5 |
| 284 | 114 | 21 | 32 | 70 | 59 | -14 | 22 | 8 | -3 | 4 | -2 | -4 |
| 285 | 114 | 41 | 35 | 71 | 59 | -1A | 20 | 8 | -6 | 4 | -2 | -5 |
| 286 | 115 | 1 | 35 | 70 | 59 | -18 | 19 | 9 | -1 | 3 | -3 | -5 |
| 287 | 115 | 20 | 36 | 70 | 59 | -20 | 22 | 9 | -2 | 3 | -3 | -5 |
| 288 | 115 | 40 | 37 | 69 | 59 | -20 | 22 | 9 | -4 | 4 | -2 | -4 |
| 289 | 116 | 0 | 38 | 69 | 59 | -20 | 18 | 10 | -3 | 3 | -2 | -3 |
| 290 | 116 | 20 | 39 | 69 | 5A | -19 | 20 | 10 | -3 | 4 | -2 | -3 |
| 291 | 116 | 39 | 40 | 69 | 59 | -20 | 1A | 11 | -3 | 3 | -2 | -3 |
| 292 | 116 | 59 | 41 | 68 | 59 | -21 | 19 | 11 | -2 | 1 | -3 | -4 |
| 293 | 117 | 18 | 41 | 68 | 59 | -21 | 20 | 12 | -3 | 2 | -3 | -4 |
| 294 | 117 | 38 | 42 | 66 | 54 | -21 | 12 | 12 | -3 | 2 | -3 | -4 |
| 295 | 117 | 57 | 44 | 66 | 55 | -20 | 25 | 14 | -3 | 2 | -4 | -4 |
| 296 | 118 | 17 | 45 | 65 | 55 | -20 | 27 | 14 | -1 | 2 | -4 | -4 |
| 297 | 118 | 36 | 46 | 65 | 55 | -18 | 29 | 16 | 0 | 2 | -4 | -4 |
| 298 | 118 | 56 | 47 | 64 | 56 | -17 | 22 | 16 | 2 | 2 | -4 | -4 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR BOX OIL TEMP DEG.C | 5-16 MAIN COOLER INLET OIL DEG.C | 5-17 MAIN COOLER OUTLET OIL DEG.C | 5-18 ENTER. GEAR BOX OIL TEMP DEG.C | 5-19 TAIL GEAR BOX OIL TEMP DEG.C | 5-20 GEN.1 MASS TEMP DEG.C | 5-21 FUEL TEMP. TO COMBST HEATER DEG.C | 5-22 L.ELEC COMPT TOPCTR AIR TEMP DEG.C | 5-23 L.ELEC COMPT 9TH RT AIR TEMP DEG.C | 5-24 L.ELEC COMPT BTMLFT AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|---|--|--|---|---|---|
| 299 | 119 | 16 | 48 | 64 | 56 | -16 | 19 | 17 | 0 | 2 | -4 | -4 |
| 300 | 119 | 35 | 48 | 63 | 55 | -15 | 29 | 18 | 5 | 2 | -4 | -4 |
| 301 | 119 | 55 | 49 | 62 | 55 | -15 | 23 | 19 | 1 | 2 | -4 | -4 |
| 302 | 120 | 14 | 51 | 62 | 55 | -14 | 12 | 19 | 2 | 2 | -5 | -5 |
| 303 | 120 | 34 | 51 | 61 | 54 | -13 | 17 | 21 | 1 | 2 | -4 | -5 |
| 304 | 120 | 53 | 52 | 61 | 50 | -12 | 18 | 22 | 1 | 3 | -4 | -5 |
| 305 | 121 | 13 | 52 | 59 | 46 | -12 | 19 | 22 | 0 | 3 | -4 | -5 |
| 306 | 121 | 32 | 51 | 56 | 44 | -12 | 17 | 23 | -1 | 3 | -4 | -6 |
| 307 | 121 | 52 | 45 | 53 | 43 | -11 | 16 | 24 | -1 | 3 | -4 | -6 |
| 308 | 122 | 11 | 43 | 50 | 42 | -11 | 17 | 25 | -3 | 3 | -4 | -6 |
| 310 | 122 | 31 | 41 | 48 | 42 | -11 | 17 | 26 | -4 | 4 | -4 | -6 |
| 311 | 122 | 51 | 39 | 45 | 41 | -11 | 17 | 25 | -5 | 3 | -4 | -5 |
| 312 | 123 | 10 | 37 | 44 | 40 | -10 | 17 | 26 | -6 | 3 | -4 | -5 |

HM-53C S/N 64-10354

AOCTIC TEST

21 JANUARY 1971

RUN NO. 7

-42 DEG C / -43 DEG F

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-25 R-ELEC COMPT LEFT AFFAIR TEMP DEG.C | 5-26 R-ELEC COMPT CENTER AIR TEMP DEG.C | 5-27 P-ELEC COMPT RIGHT PW AIR TEMP DEG.C | 5-28 L-MAIN FUEL CELL 1/3LVL TEMP DEG.C | 5-29 GEN.2 MASS TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|---|---|---|--|
| 1 | 3 | 3 | 5 | 6 | 2 | -28 | -1 |
| 2 | 3 | 24 | 5 | 6 | 2 | -28 | -1 |
| 3 | 3 | 44 | 5 | 6 | 2 | -28 | -1 |
| 4 | 4 | 5 | 5 | 6 | 2 | -28 | -1 |
| 5 | 4 | 25 | 5 | 7 | 2 | -28 | -1 |
| 6 | 4 | 46 | 5 | 7 | 2 | -28 | -2 |
| 7 | 4 | 4 | 5 | 7 | 2 | -28 | -2 |
| 8 | 5 | 27 | 4 | 6 | 2 | -28 | -2 |
| 9 | 5 | 47 | 5 | 6 | 1 | -28 | -2 |
| 10 | 5 | 8 | 5 | 6 | 3 | -28 | -1 |
| 11 | 5 | 28 | 5 | 6 | 1 | -28 | -1 |
| 12 | 6 | 49 | 2 | 6 | 1 | -28 | -0 |
| 13 | 7 | 9 | 1 | 6 | 0 | -28 | -0 |
| 14 | 7 | 29 | 0 | 4 | 1 | -29 | 0 |
| 15 | 7 | 50 | 0 | 4 | 0 | -29 | 1 |
| 16 | 8 | 10 | 0 | 5 | 0 | -28 | 2 |
| 17 | 8 | 30 | 0 | 5 | 3 | -29 | 3 |
| 18 | 8 | 51 | 1 | 5 | 1 | -28 | 4 |
| 19 | 9 | 11 | 0 | 6 | 1 | -28 | 5 |
| 20 | 9 | 31 | 0 | 5 | 1 | -28 | 6 |
| 21 | 9 | 52 | 0 | 5 | 1 | -28 | 7 |
| 22 | 10 | 12 | 0 | 5 | 1 | -28 | 8 |
| 23 | 10 | 32 | 1 | 6 | 3 | -28 | 8 |
| 24 | 10 | 52 | 0 | 6 | 1 | -28 | 10 |
| 25 | 11 | 13 | 1 | 5 | 2 | -28 | 10 |
| 26 | 11 | 33 | 1 | 6 | 2 | -28 | 11 |
| 27 | 11 | 53 | 0 | 6 | 2 | -28 | 12 |
| 28 | 12 | 13 | 4 | 9 | 4 | -28 | 12 |
| 29 | 12 | 33 | 2 | 8 | 3 | -28 | 12 |
| 30 | 12 | 54 | 4 | 12 | 5 | -28 | 14 |
| 31 | 13 | 14 | 11 | 17 | 11 | -28 | 14 |
| 32 | 13 | 34 | 11 | 19 | 12 | -28 | 15 |
| 33 | 13 | 54 | 15 | 20 | 14 | -28 | 15 |
| 34 | 14 | 14 | 17 | 22 | 16 | -28 | 15 |
| 35 | 14 | 35 | 20 | 23 | 17 | -27 | 16 |
| 36 | 14 | 55 | 19 | 22 | 16 | -28 | 15 |
| 37 | 15 | 13 | 19 | 21 | 18 | -28 | 16 |
| 38 | 15 | 35 | 19 | 22 | 17 | -28 | 16 |
| 39 | 15 | 55 | 19 | 22 | 17 | -28 | 16 |
| 40 | 16 | 16 | 28 | 22 | 17 | -28 | 16 |
| 41 | 16 | 36 | 19 | 21 | 17 | -28 | 15 |
| 42 | 16 | 56 | 19 | 21 | 18 | -28 | 17 |
| 43 | 17 | 16 | 19 | 21 | 17 | -28 | 17 |
| 44 | 17 | 36 | 21 | 21 | 17 | -27 | 17 |
| 45 | 17 | 56 | 21 | 22 | 17 | -28 | 17 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-25 | | 5-26 | | 5-27 | | 5-28 | | 5-29 | |
|-----------------------|----------------------|----------------------|---|-------|--|-------|---|-------|---|-------|--------------------------------|-------|
| | | | R.ELEFC COMPT LEFT AFFAIR TEMP DEG.C | DEG.C | R.ELEFC COMPT CENTER AIR TEMP DEG.C | DEG.C | R.ELEFC COMPT RIGHT FWD AIR TEMP DEG.C | DEG.C | L.RAIN FUFL CELL 1/31VL TEMP DEG.C | DEG.C | SEM.2 MASS TEMP DEG.C | DEG.C |
| 46 | 16 | 16 | 20 | 21 | 21 | 17 | 17 | 17 | -27 | 17 | 17 | 17 |
| 47 | 18 | 36 | 21 | 21 | 21 | 17 | 17 | 17 | -28 | 16 | 16 | 16 |
| 48 | 18 | 56 | 21 | 22 | 22 | 18 | 18 | 18 | -27 | 16 | 16 | 16 |
| 49 | 19 | 17 | 21 | 21 | 21 | 17 | 17 | 17 | -27 | 15 | 15 | 15 |
| 50 | 19 | 37 | 20 | 22 | 22 | 17 | 17 | 17 | -27 | 16 | 16 | 16 |
| 51 | 19 | 57 | 21 | 21 | 21 | 18 | 18 | 18 | -27 | 15 | 15 | 15 |
| 52 | 20 | 17 | 22 | 22 | 22 | 17 | 17 | 17 | -27 | 15 | 15 | 15 |
| 53 | 20 | 37 | 21 | 21 | 21 | 18 | 18 | 18 | -27 | 16 | 16 | 16 |
| 54 | 20 | 57 | 21 | 21 | 21 | 18 | 18 | 18 | -28 | 16 | 16 | 16 |
| 55 | 21 | 17 | 21 | 22 | 22 | 14 | 14 | 14 | -27 | 15 | 15 | 15 |
| 56 | 21 | 37 | 21 | 22 | 22 | 18 | 18 | 18 | -28 | 15 | 15 | 15 |
| 57 | 21 | 57 | 22 | 22 | 22 | 18 | 18 | 18 | -27 | 15 | 15 | 15 |
| 58 | 22 | 17 | 21 | 21 | 21 | 17 | 17 | 17 | -27 | 15 | 15 | 15 |
| 59 | 22 | 38 | 14 | 5 | 5 | -3 | -3 | -3 | -28 | 14 | 14 | 14 |
| 60 | 22 | 58 | 2 | -4 | -4 | -16 | -16 | -16 | -28 | 12 | 12 | 12 |
| 61 | 23 | 18 | -2 | -8 | -8 | -18 | -18 | -18 | -28 | 11 | 11 | 11 |
| 62 | 23 | 38 | -6 | -9 | -9 | -18 | -18 | -18 | -28 | 11 | 11 | 11 |
| 63 | 23 | 58 | -7 | -10 | -10 | -18 | -18 | -18 | -28 | 11 | 11 | 11 |
| 64 | 24 | 18 | -8 | -11 | -11 | -19 | -19 | -19 | -29 | 10 | 10 | 10 |
| 65 | 25 | 27 | -11 | -13 | -13 | -20 | -20 | -20 | -29 | 8 | 8 | 8 |
| 66 | 25 | 47 | -11 | -14 | -14 | -19 | -19 | -19 | -27 | 8 | 8 | 8 |
| 67 | 26 | 7 | -12 | -14 | -14 | -18 | -18 | -18 | -27 | 6 | 6 | 6 |
| 68 | 28 | 5 | -13 | -15 | -15 | -20 | -20 | -20 | -27 | 6 | 6 | 6 |
| 69 | 30 | 43 | -15 | -16 | -16 | -22 | -22 | -22 | -27 | 4 | 4 | 4 |
| 70 | 31 | 3 | -16 | -16 | -16 | -23 | -23 | -23 | -27 | 4 | 4 | 4 |
| 71 | 31 | 24 | -15 | -20 | -20 | -23 | -23 | -23 | -27 | 3 | 3 | 3 |
| 72 | 31 | 44 | -16 | -19 | -19 | -22 | -22 | -22 | -27 | 3 | 3 | 3 |
| 73 | 32 | 43 | -19 | -19 | -19 | -21 | -21 | -21 | -27 | 2 | 2 | 2 |
| 74 | 33 | 3 | -14 | -18 | -18 | -21 | -21 | -21 | -27 | 2 | 2 | 2 |
| 75 | 33 | 23 | -15 | -18 | -18 | -20 | -20 | -20 | -27 | 2 | 2 | 2 |
| 76 | 33 | 44 | -14 | -18 | -18 | -20 | -20 | -20 | -27 | 2 | 2 | 2 |
| 77 | 34 | 4 | -14 | -18 | -18 | -20 | -20 | -20 | -27 | 2 | 2 | 2 |
| 78 | 34 | 24 | -13 | -18 | -18 | -20 | -20 | -20 | -27 | 2 | 2 | 2 |
| 79 | 34 | 44 | -12 | -18 | -18 | -20 | -20 | -20 | -27 | 2 | 2 | 2 |
| 80 | 35 | 3 | -13 | -17 | -17 | -19 | -19 | -19 | -27 | 2 | 2 | 2 |
| 81 | 35 | 25 | -14 | -14 | -14 | -19 | -19 | -19 | -27 | 2 | 2 | 2 |
| 82 | 35 | 45 | -14 | -17 | -17 | -20 | -20 | -20 | -27 | 1 | 1 | 1 |
| 83 | 36 | 5 | -13 | -17 | -17 | -19 | -19 | -19 | -28 | 3 | 3 | 3 |
| 84 | 36 | 25 | -13 | -17 | -17 | -19 | -19 | -19 | -27 | 3 | 3 | 3 |
| 85 | 36 | 45 | -13 | -17 | -17 | -20 | -20 | -20 | -28 | 3 | 3 | 3 |
| 86 | 37 | 5 | -12 | -17 | -17 | -19 | -19 | -19 | -28 | 3 | 3 | 3 |
| 87 | 37 | 25 | -12 | -17 | -17 | -20 | -20 | -20 | -27 | 3 | 3 | 3 |
| 88 | 37 | 46 | -14 | -18 | -18 | -20 | -20 | -20 | -27 | 3 | 3 | 3 |
| 89 | 38 | 6 | -14 | -17 | -17 | -20 | -20 | -20 | -27 | 3 | 3 | 3 |
| 90 | 38 | 26 | -14 | -17 | -17 | -20 | -20 | -20 | -27 | 3 | 3 | 3 |
| 91 | 38 | 46 | -15 | -17 | -17 | -19 | -19 | -19 | -27 | 3 | 3 | 3 |
| 92 | 39 | 6 | -13 | -16 | -16 | -19 | -19 | -19 | -27 | 4 | 4 | 4 |
| 93 | 39 | 26 | -13 | -16 | -16 | -19 | -19 | -19 | -27 | 4 | 4 | 4 |
| 94 | 39 | 46 | -13 | -16 | -16 | -19 | -19 | -19 | -27 | 4 | 4 | 4 |
| 95 | 40 | 6 | -13 | -16 | -16 | -19 | -19 | -19 | -27 | 4 | 4 | 4 |

| SWEPT COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-25 R.ELEC COMPT LEFT AFFAIR TEMP DEG.C | 5-26 R.ELEC COMPT CENTER AIR TEMP DEG.C | 5-27 R.ELEC COMPT RIGHT FWD AIR TEMP DEG.C | 5-28 L.MAIN FUEL CELL 1/23LVL TEMP DEG.C | 5-29 GEN.2 MASS TEMP DEG.C |
|----------------|----------------------|----------------------|--|---|--|--|--|
| 26 | 40 | 26 | -12 | -16 | -18 | -27 | 4 |
| 97 | 41 | 27 | -11 | -15 | -18 | -27 | 4 |
| 100 | 42 | 47 | -11 | -15 | -16 | -27 | 5 |
| 101 | 42 | 7 | -11 | -15 | -17 | -27 | 5 |
| 102 | 42 | 27 | -11 | -15 | -17 | -27 | 5 |
| 103 | 42 | 47 | -12 | -14 | -17 | -27 | 5 |
| 104 | 43 | 7 | -10 | -14 | -16 | -27 | 5 |
| 105 | 43 | 27 | -10 | -14 | -17 | -27 | 5 |
| 106 | 43 | 47 | -10 | -14 | -15 | -27 | 6 |
| 107 | 44 | 7 | -10 | -14 | -17 | -27 | 6 |
| 108 | 44 | 27 | -10 | -14 | -17 | -27 | 6 |
| 109 | 44 | 47 | -10 | -14 | -17 | -27 | 6 |
| 110 | 45 | 7 | -9 | -14 | -17 | -26 | 6 |
| 111 | 45 | 27 | -9 | -14 | -18 | -26 | 7 |
| 112 | 45 | 47 | -10 | -15 | -17 | -27 | 6 |
| 113 | 46 | 7 | -10 | -14 | -18 | -27 | 5 |
| 114 | 46 | 27 | -10 | -14 | -17 | -26 | 7 |
| 115 | 49 | 13 | -11 | -14 | -17 | -27 | 7 |
| 116 | 49 | 33 | -11 | -14 | -17 | -27 | 7 |
| 117 | 49 | 53 | -11 | -15 | -17 | -26 | 7 |
| 118 | 51 | 12 | -12 | -14 | -17 | -27 | 7 |
| 119 | 52 | 12 | -11 | -14 | -17 | -26 | 7 |
| 120 | 52 | 32 | -11 | -14 | -17 | -26 | 7 |
| 121 | 54 | 31 | -11 | -14 | -17 | -26 | 7 |
| 122 | 54 | 53 | -11 | -14 | -16 | -25 | 8 |
| 123 | 55 | 13 | -12 | -15 | -17 | -27 | 7 |
| 124 | 56 | 30 | -11 | -14 | -15 | -27 | 9 |
| 125 | 56 | 50 | -11 | -14 | -16 | -27 | 7 |
| 126 | 57 | 10 | -11 | -14 | -16 | -27 | 7 |
| 127 | 57 | 30 | -11 | -14 | -16 | -27 | 8 |
| 128 | 57 | 50 | -11 | -14 | -15 | -27 | 8 |
| 129 | 58 | 10 | -10 | -14 | -15 | -27 | 7 |
| 130 | 58 | 30 | -10 | -14 | -15 | -27 | 7 |
| 131 | 58 | 50 | -10 | -13 | -15 | -27 | 7 |
| 132 | 59 | 10 | -10 | -13 | -16 | -27 | 8 |
| 133 | 59 | 30 | -10 | -14 | -15 | -27 | 7 |
| 134 | 59 | 50 | -10 | -13 | -15 | -26 | 7 |
| 135 | 60 | 10 | -9 | -14 | -15 | -27 | 7 |
| 136 | 60 | 30 | -10 | -13 | -15 | -27 | 7 |
| 137 | 60 | 50 | -10 | -13 | -15 | -26 | 8 |
| 138 | 61 | 10 | -10 | -13 | -16 | -26 | 8 |
| 139 | 61 | 29 | -10 | -14 | -16 | -26 | 7 |
| 140 | 62 | 28 | -10 | -14 | -16 | -26 | 4 |
| 141 | 62 | 44 | -10 | -14 | -17 | -27 | 8 |
| 142 | 63 | 6 | -11 | -14 | -17 | -27 | 7 |
| 143 | 65 | 6 | -11 | -15 | -18 | -27 | 8 |
| 144 | 65 | 27 | -12 | -14 | -17 | -27 | 8 |
| 145 | 65 | 47 | -12 | -14 | -17 | -27 | 8 |
| 146 | 66 | 7 | -12 | -14 | -18 | -27 | 8 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-25 R.ELEFC COMPT LEFT AFTAIR TEMP DEG.C | 5-26 R.ELEFC COMPT CENTER AIR TEMP DEG.C | 5-27 R.ELEFC COMPT RIGHT FWAIR TEMP DEG.C | 5-28 L.MAIN FUEL CELL TEMP DEG.C | 5-29 GEN.2 MASC TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|--|---|---|--|
| 147 | 67 | 4 | -7 | -10 | -15 | -26 | 4 |
| 148 | 67 | 24 | 0 | 0 | -A | -26 | 0 |
| 149 | 67 | 43 | 3 | 1 | -6 | -26 | 0 |
| 150 | 68 | 3 | 4 | -1 | -10 | -26 | 7 |
| 151 | 68 | 22 | 3 | -3 | -12 | -26 | 6 |
| 152 | 68 | 42 | -5 | -10 | -17 | -26 | 6 |
| 153 | 69 | 2 | -7 | -12 | -18 | -26 | 6 |
| 154 | 69 | 22 | -4 | -13 | -20 | -27 | 5 |
| 155 | 69 | 42 | 2 | -0 | -9 | -27 | 5 |
| 156 | 70 | 2 | 7 | 4 | -6 | -27 | 5 |
| 157 | 70 | 22 | 0 | 5 | -3 | -26 | 5 |
| 158 | 70 | 41 | 0 | 0 | -10 | -26 | 5 |
| 159 | 71 | 1 | 7 | -6 | -16 | -26 | 5 |
| 160 | 71 | 21 | 7 | -10 | -19 | -26 | 4 |
| 161 | 71 | 41 | 7 | -12 | -21 | -26 | 4 |
| 162 | 72 | 1 | 0 | -4 | -17 | -26 | 4 |
| 163 | 72 | 21 | 10 | 2 | -6 | -26 | 4 |
| 164 | 72 | 41 | 11 | 6 | -1 | -26 | 4 |
| 165 | 73 | 1 | 12 | 7 | 0 | -27 | 4 |
| 166 | 73 | 21 | 12 | 0 | 1 | -27 | 5 |
| 167 | 73 | 41 | 12 | 0 | 1 | -26 | 5 |
| 168 | 74 | 1 | 11 | 2 | -5 | -26 | 5 |
| 169 | 74 | 21 | 7 | -8 | -19 | -26 | 4 |
| 170 | 74 | 41 | -6 | -12 | -22 | -27 | 4 |
| 171 | 75 | 0 | -10 | -14 | -23 | -26 | 4 |
| 172 | 75 | 20 | -12 | -15 | -23 | -26 | 3 |
| 173 | 75 | 40 | -12 | -15 | -23 | -26 | 3 |
| 174 | 76 | 0 | -12 | -15 | -21 | -27 | 3 |
| 175 | 76 | 21 | -9 | -15 | -22 | -26 | 0 |
| 176 | 76 | 41 | 0 | -4 | -13 | -26 | 1 |
| 177 | 79 | 1 | 3 | 0 | -12 | -26 | 2 |
| 178 | 79 | 41 | 4 | 2 | -10 | -26 | 2 |
| 179 | 79 | 21 | 5 | 2 | -11 | -26 | 1 |
| 180 | 80 | 1 | 0 | -10 | -19 | -26 | 1 |
| 181 | 80 | 21 | 1 | -12 | -20 | -26 | 1 |
| 182 | 80 | 41 | 2 | -4 | -17 | -26 | 1 |
| 183 | 81 | 1 | 4 | -1 | -10 | -26 | 2 |
| 184 | 81 | 21 | 4 | 0 | -5 | -26 | 2 |
| 185 | 81 | 40 | 4 | 1 | -3 | -26 | 4 |
| 186 | 82 | 0 | 3 | 2 | -1 | -26 | 4 |
| 187 | 82 | 20 | 3 | 2 | 0 | -26 | 4 |
| 188 | 82 | 40 | 3 | 2 | 0 | -26 | 4 |
| 189 | 83 | 0 | 4 | 2 | 0 | -26 | 5 |
| 190 | 83 | 19 | 4 | 4 | 0 | -26 | 5 |
| 191 | 83 | 39 | 4 | 4 | 0 | -26 | 5 |
| 192 | 83 | 59 | 4 | 2 | 0 | -26 | 6 |
| 193 | 84 | 19 | 4 | 2 | -0 | -25 | 6 |
| 194 | 84 | 39 | 4 | 2 | -1 | -26 | 7 |
| 195 | 84 | 59 | 4 | 1 | -1 | -26 | 7 |
| 196 | 85 | 19 | 4 | 2 | -0 | -26 | 7 |

| STATION NUMBER | TIME MIN. | 5-11 TIME SEC. | 5-25 | | 5-26 | | 5-27 | | 5-28 | | 5-29 | |
|-------------------|--------------|----------------------|--|------------------------|---|--|---|---------------------------------|------|----|------|--|
| | | | P.ELEC COMPT LEFT TEMP DEG.C | AFTAP TEMP DEG.C | P.ELEC COMPT CENTER AIR TEMP DEG.C | P.ELEC COMPT RIGHT FWDAP TEMP DEG.C | L.HAIN FUEL CELL 1/3LVL TEMP DEG.C | GFN.R. WASS TEMP DEG.C | | | | |
| 197 | 45 | 43 | 6 | 4 | 4 | 0 | | | -26 | 7 | | |
| 198 | 45 | 58 | 5 | 5 | 3 | -2 | | | -25 | 4 | | |
| 199 | 46 | 1A | 0 | 8 | -8 | -19 | | | -25 | 7 | | |
| 200 | 46 | 18 | -7 | -13 | -22 | -22 | | | -26 | 6 | | |
| 201 | 46 | 5A | -11 | -14 | -22 | -22 | | | -25 | 5 | | |
| 202 | 47 | 18 | -8 | -8 | -16 | -22 | | | -26 | 6 | | |
| 203 | 47 | 3A | -4 | -4 | -16 | -23 | | | -25 | 5 | | |
| 204 | 47 | 5A | -4 | -4 | -17 | -24 | | | -26 | 4 | | |
| 205 | 48 | 17 | -2 | -2 | -18 | -24 | | | -26 | 5 | | |
| 206 | 48 | 37 | -4 | -4 | -1A | -24 | | | -26 | 4 | | |
| 207 | 48 | 57 | -4 | -4 | -1A | -24 | | | -26 | 4 | | |
| 208 | 49 | 17 | -5 | -5 | -18 | -24 | | | -26 | 4 | | |
| 209 | 49 | 37 | -6 | -6 | -19 | -25 | | | -26 | 4 | | |
| 210 | 49 | 57 | -5 | -5 | -19 | -24 | | | -27 | 3 | | |
| 211 | 90 | 17 | -6 | -6 | -20 | -25 | | | -26 | 3 | | |
| 212 | 90 | 37 | -6 | -6 | -20 | -26 | | | -25 | 2 | | |
| 213 | 90 | 57 | -7 | -7 | -20 | -26 | | | -27 | 2 | | |
| 214 | 91 | 17 | -6 | -6 | -18 | -24 | | | -26 | 2 | | |
| 215 | 91 | 36 | -6 | -6 | -18 | -25 | | | -26 | 2 | | |
| 216 | 91 | 56 | -6 | -6 | -17 | -24 | | | -27 | 2 | | |
| 217 | 92 | 16 | -6 | -6 | -17 | -23 | | | -26 | 2 | | |
| 218 | 92 | 36 | -7 | -7 | -18 | -24 | | | -26 | 2 | | |
| 219 | 92 | 56 | -7 | -7 | -1A | -24 | | | -26 | 2 | | |
| 220 | 93 | 16 | -7 | -7 | -17 | -24 | | | -26 | 2 | | |
| 221 | 93 | 36 | -6 | -6 | -18 | -16 | | | -28 | 3 | | |
| 222 | 93 | 56 | -6 | -6 | -12 | -7 | | | -26 | 3 | | |
| 223 | 94 | 16 | -6 | -6 | -10 | -10 | | | -26 | 4 | | |
| 224 | 94 | 35 | -4 | -4 | -7 | -7 | | | -26 | 4 | | |
| 225 | 94 | 55 | -2 | -2 | -2 | -6 | | | -26 | 4 | | |
| 226 | 95 | 15 | -2 | -2 | -2 | -4 | | | -26 | 5 | | |
| 227 | 95 | 34 | -3 | -3 | -2 | -4 | | | -26 | 5 | | |
| 228 | 95 | 54 | -2 | -2 | -2 | -5 | | | -26 | 6 | | |
| 229 | 96 | 14 | -2 | -2 | -1 | -4 | | | -27 | 6 | | |
| 230 | 96 | 34 | -2 | -2 | -1 | -2 | | | -26 | 7 | | |
| 231 | 96 | 53 | -2 | -2 | -1 | -2 | | | -26 | 7 | | |
| 232 | 97 | 13 | -0 | -0 | -0 | -2 | | | -26 | 7 | | |
| 233 | 97 | 33 | 1 | 1 | 0 | -1 | | | -27 | 8 | | |
| 234 | 97 | 53 | 3 | 3 | 2 | -0 | | | -27 | 8 | | |
| 235 | 98 | 13 | 4 | 4 | 4 | 0 | | | -26 | 9 | | |
| 236 | 98 | 32 | 4 | 4 | 4 | 0 | | | -27 | 9 | | |
| 237 | 98 | 52 | 4 | 4 | 5 | 0 | | | -27 | 10 | | |
| 238 | 99 | 12 | 4 | 4 | 1 | -4 | | | -27 | 9 | | |
| 239 | 99 | 32 | 4 | 4 | 4 | -1 | | | -27 | 10 | | |
| 240 | 99 | 52 | 3 | 3 | 0 | -6 | | | -26 | 9 | | |
| 241 | 100 | 12 | 0 | 0 | -6 | -19 | | | -27 | 9 | | |
| 242 | 100 | 31 | -0 | -0 | -10 | -17 | | | -27 | 9 | | |
| 243 | 100 | 51 | -1 | -1 | -12 | -19 | | | -27 | 8 | | |
| 244 | 101 | 11 | -2 | -2 | -11 | -20 | | | -27 | 8 | | |
| 245 | 101 | 31 | -4 | -4 | -16 | -22 | | | -28 | 7 | | |
| 246 | 101 | 51 | -4 | -4 | -16 | -23 | | | -27 | 7 | | |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-25 P.ELEC COMPT L-FT AFTAIR TEMP DEG.C | 5-26 R.ELECC COMPT CENTER AIR TEMP DEG.C | 5-27 R.ELEC COMPT RIGHT FWDAIR TEMP DEG.C | 5-28 L. MAIN FUEL CELL 1A3LV1 TEMP DEG.C | 5-29 GEN.2 MASS CELL TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|--|---|--|--|
| 247 | 102 | 10 | -5 | -15 | -23 | -2A | 7 |
| 248 | 102 | 30 | -5 | -15 | -22 | -2A | 5 |
| 249 | 102 | 50 | -4 | -11 | -19 | -2A | 6 |
| 250 | 103 | 10 | 0 | -2 | -11 | -2A | 6 |
| 251 | 103 | 30 | 2 | 1 | -6 | -2A | 6 |
| 252 | 103 | 49 | 2 | 2 | -5 | -2A | 5 |
| 253 | 104 | 9 | 1 | -1 | -11 | -2A | 6 |
| 254 | 104 | 29 | 0 | -2 | -11 | -2A | 6 |
| 255 | 104 | 49 | 1 | -3 | -11 | -2A | 6 |
| 256 | 105 | 9 | 2 | -2 | -12 | -2A | 6 |
| 257 | 105 | 28 | 4 | -0 | -11 | -2A | 6 |
| 258 | 105 | 48 | 6 | -3 | -16 | -2A | 5 |
| 259 | 106 | 8 | 6 | 2 | -10 | -2A | 5 |
| 260 | 106 | 28 | 9 | 5 | -7 | -2A | 5 |
| 261 | 106 | 48 | 9 | 4 | -2 | -2A | 4 |
| 262 | 107 | 7 | 11 | 10 | 0 | -2A | 4 |
| 263 | 107 | 13 | 13 | 11 | 3 | -2A | 4 |
| 264 | 107 | 47 | 11 | 7 | -2 | -2A | 4 |
| 265 | 108 | 7 | 8 | -6 | -14 | -2A | 4 |
| 266 | 108 | 27 | 8 | -10 | -18 | -2A | 5 |
| 269 | 109 | 26 | -11 | -14 | -20 | -2A | 4 |
| 270 | 109 | 45 | -12 | -14 | -20 | -2A | 4 |
| 271 | 110 | 5 | -13 | -14 | -21 | -2A | 4 |
| 272 | 110 | 25 | -14 | -16 | -22 | -2A | 4 |
| 273 | 110 | 44 | -4 | -5 | -13 | -2A | 3 |
| 274 | 111 | 4 | 2 | 2 | -6 | -2A | 3 |
| 275 | 111 | 24 | 6 | 5 | -3 | -2A | 4 |
| 276 | 111 | 44 | 7 | 7 | -0 | -2A | 4 |
| 277 | 112 | 3 | 10 | 8 | 2 | -2A | 5 |
| 278 | 112 | 23 | 11 | 9 | 3 | -2A | 5 |
| 279 | 112 | 43 | 13 | 9 | 4 | -2A | 6 |
| 280 | 113 | 2 | 14 | 10 | 5 | -2A | 6 |
| 281 | 113 | 22 | 14 | 11 | 6 | -2A | 7 |
| 282 | 113 | 42 | 11 | 11 | 2 | -2A | 7 |
| 283 | 114 | 2 | 9 | 8 | 1 | -2A | 8 |
| 284 | 114 | 21 | 9 | 7 | 1 | -2A | 8 |
| 285 | 114 | 41 | 8 | 7 | 1 | -2A | 9 |
| 286 | 115 | 1 | 8 | 7 | 1 | -2A | 9 |
| 287 | 115 | 20 | 9 | 7 | 1 | -2A | 9 |
| 288 | 115 | 40 | 9 | 8 | 2 | -2A | 9 |
| 289 | 116 | 0 | 9 | 7 | 2 | -2A | 10 |
| 290 | 116 | 30 | 10 | 7 | 2 | -2A | 10 |
| 291 | 116 | 59 | 10 | 7 | 2 | -2A | 11 |
| 292 | 116 | 59 | 9 | 7 | 1 | -2A | 10 |
| 293 | 117 | 18 | 9 | 5 | 0 | -2A | 11 |
| 294 | 117 | 38 | 9 | 4 | 0 | -2A | 11 |
| 295 | 117 | 57 | 9 | 4 | 0 | -2A | 11 |
| 296 | 118 | 17 | 9 | 4 | 0 | -2A | 11 |
| 297 | 118 | 36 | 9 | 3 | 0 | -2A | 11 |
| 298 | 118 | 56 | 10 | 4 | 0 | -2A | 11 |

| DATA COUNT | 6-27 TIME MIN. | 6-27 TIME SEC. | 5-26 P.ELEC COMPT LEFT RIGHT AFT/ID TEMP DEG.C | 5-26 M.ELEC COMPT CENTER AIP TEMP DEG.C | 5-27 P.ELEC COMPT RIGHT FWAIR TEMP DEG.C | 5-28 L.MAIN FUEL SFL 1/BLVL TEMP DEG.C | 5-29 GEN.2 MASS TEMP DEG.C |
|---------------|----------------------|----------------------|---|---|--|--|--|
| 279 | 119 | 16 | 9 | 3 | 1 | -28 | 12 |
| 280 | 119 | 75 | 0 | 4 | 1 | -29 | 12 |
| 301 | 119 | 55 | 10 | 4 | 1 | -29 | 13 |
| 703 | 120 | 14 | 10 | 4 | 1 | -29 | 14 |
| 303 | 120 | 36 | 0 | 4 | 1 | -29 | 14 |
| 304 | 120 | 57 | 8 | 3 | 1 | -29 | 15 |
| 305 | 121 | 13 | 8 | 3 | 1 | -29 | 15 |
| 306 | 121 | 32 | 6 | 3 | 0 | -27 | 17 |
| 307 | 121 | 52 | 8 | 3 | 0 | -27 | 19 |
| 308 | 122 | 11 | 8 | 2 | 0 | -26 | 20 |
| 310 | 122 | 31 | 7 | 2 | 0 | -26 | 21 |
| 311 | 122 | 51 | 7 | 2 | 0 | -26 | 21 |
| 312 | 123 | 10 | 7 | 2 | 0 | -26 | 22 |

MN-53C S/N 58-1-354
 APTIC TEST
 21 JANUARY 1971
 RUN NO. 7 -42 DEG C / -43 DEG F

| -01 SWEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-07 ENG.1 BOOST PUMP OUTLET TEMP TJFG.C | 6-08 ENG.1 BLEED AIR TEMP DEG.C | 6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C | 6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C | 6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C | 6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C | 6-13 ENG.1 INLET LIP SURF. 15.00 DEG.C | 6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C | 6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C | 6-16 ENG.1 INLET LIP SURF. 2.05 DEG.C |
|-----------------------|----------------------|----------------------|--|--|--|--|--|--|--|---|---|---|
| 1 | 3 | 6 | -24 | -7 | -26 | -27 | -27 | -27 | -16 | -19 | -24 | -28 |
| 2 | 3 | 27 | -24 | -8 | -26 | -27 | -27 | -27 | -16 | -19 | -24 | -28 |
| 3 | 3 | 47 | -24 | -8 | -26 | -28 | -27 | -27 | -17 | -19 | -24 | -28 |
| 4 | 4 | 4 | -24 | -8 | -26 | -27 | -27 | -27 | -17 | -19 | -24 | -28 |
| 5 | 4 | 28 | -24 | -8 | -25 | -27 | -27 | -27 | -18 | -20 | -24 | -28 |
| 6 | 4 | 48 | -24 | -8 | -25 | -27 | -27 | -27 | -17 | -20 | -24 | -28 |
| 7 | 5 | 9 | -24 | -8 | -26 | -27 | -27 | -27 | -17 | -20 | -24 | -28 |
| 8 | 5 | 30 | -24 | -8 | -26 | -27 | -27 | -27 | -18 | -20 | -24 | -28 |
| 9 | 5 | 50 | -24 | -8 | -26 | -27 | -27 | -27 | -18 | -20 | -24 | -28 |
| 10 | 6 | 19 | -24 | -8 | -26 | -27 | -27 | -27 | -18 | -20 | -24 | -28 |
| 11 | 6 | 31 | -24 | -8 | -26 | -27 | -27 | -27 | -19 | -20 | -24 | -28 |
| 12 | 6 | 51 | -24 | -8 | -26 | -27 | -27 | -27 | -19 | -20 | -24 | -28 |
| 13 | 7 | 12 | -24 | -8 | -26 | -27 | -27 | -27 | -19 | -20 | -24 | -28 |
| 14 | 7 | 32 | -24 | -8 | -26 | -27 | -27 | -27 | -20 | -21 | -24 | -28 |
| 15 | 7 | 52 | -24 | -8 | -26 | -27 | -27 | -27 | -20 | -21 | -24 | -28 |
| 16 | 8 | 13 | -24 | -8 | -26 | -27 | -27 | -27 | -20 | -21 | -24 | -28 |
| 17 | 8 | 33 | -24 | -8 | -26 | -27 | -27 | -27 | -20 | -21 | -24 | -28 |
| 18 | 8 | 53 | -24 | -8 | -26 | -27 | -27 | -27 | -20 | -21 | -24 | -28 |
| 19 | 9 | 14 | -24 | -8 | -25 | -27 | -27 | -27 | -21 | -21 | -24 | -28 |
| 20 | 9 | 34 | -24 | -8 | -26 | -26 | -26 | -26 | -21 | -21 | -24 | -28 |
| 21 | 9 | 54 | -24 | -8 | -25 | -26 | -26 | -26 | -22 | -22 | -24 | -28 |
| 22 | 10 | 14 | -22 | -8 | -25 | -26 | -26 | -26 | -22 | -22 | -24 | -28 |
| 23 | 10 | 35 | -8 | -8 | -25 | -26 | -26 | -26 | -26 | -24 | -24 | -28 |
| 24 | 10 | 55 | 0 | -8 | -24 | -26 | -26 | -26 | -26 | -24 | -24 | -28 |
| 25 | 11 | 15 | -8 | -8 | -24 | -26 | -26 | -26 | -28 | -26 | -26 | -28 |
| 26 | 11 | 35 | -6 | -8 | -24 | -25 | -25 | -25 | -31 | -27 | -31 | -32 |
| 27 | 11 | 56 | -11 | -8 | -24 | -25 | -25 | -25 | -32 | -27 | -31 | -32 |
| 28 | 12 | 16 | -11 | -8 | -24 | -25 | -25 | -25 | -32 | -27 | -31 | -32 |
| 29 | 12 | 36 | -18 | -8 | -24 | -25 | -25 | -25 | -32 | -28 | -32 | -33 |
| 30 | 12 | 56 | -19 | -9 | -24 | -25 | -25 | -25 | -33 | -28 | -32 | -33 |
| 31 | 13 | 16 | -28 | -8 | -24 | -26 | -26 | -26 | -34 | -29 | -33 | -34 |
| 32 | 13 | 37 | -21 | -10 | -24 | -26 | -26 | -26 | -34 | -29 | -33 | -34 |
| 33 | 13 | 57 | -22 | -10 | -24 | -26 | -26 | -26 | -34 | -31 | -33 | -34 |
| 34 | 14 | 17 | -24 | -10 | -24 | -26 | -26 | -26 | -34 | -31 | -33 | -34 |
| 35 | 14 | 37 | -24 | -10 | -24 | -26 | -26 | -26 | -34 | -31 | -33 | -34 |
| 36 | 14 | 57 | -25 | -10 | -24 | -26 | -26 | -26 | -34 | -31 | -33 | -34 |
| 37 | 15 | 18 | -27 | -10 | -24 | -26 | -26 | -26 | -34 | -31 | -33 | -34 |
| 38 | 15 | 38 | -27 | -11 | -24 | -25 | -25 | -25 | -33 | -34 | -34 | -35 |
| 39 | 15 | 58 | -27 | -11 | -24 | -25 | -25 | -25 | -34 | -34 | -34 | -35 |
| 40 | 16 | 18 | -24 | -12 | -24 | -26 | -26 | -26 | -34 | -34 | -34 | -35 |
| 41 | 16 | 38 | -27 | -11 | -24 | -25 | -25 | -25 | -34 | -34 | -34 | -35 |
| 42 | 16 | 58 | -27 | -11 | -24 | -25 | -25 | -25 | -32 | -32 | -34 | -35 |
| 43 | 17 | 18 | -27 | -11 | -23 | -26 | -26 | -26 | -33 | -32 | -34 | -35 |
| 44 | 17 | 39 | -27 | -11 | -23 | -26 | -26 | -26 | -33 | -32 | -34 | -35 |
| 45 | 17 | 59 | -27 | -10 | -23 | -25 | -25 | -25 | -33 | -32 | -34 | -35 |

| SHEED COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C | 6-09 ENG.1 LORD ISOL. MNT AFI IN DEG.C | 6-10 ENG.1 LORD ISOL. MNT AFI IN DEG.C | 6-11 ENG.2 LORD ISOL. MNT AFI IN DEG.C | 6-12 ENG.2 LORD ISOL. MNT AFI IN DEG.C | 6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C | 6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C | 6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C | 6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C |
|----------------|----------------------|----------------------|---|--|--|--|--|--|---|---|---|
| 46 | 18 | 19 | -27 | -23 | -24 | -24 | -20 | -34 | -34 | -35 | -35 |
| 47 | 19 | 39 | -10 | -23 | -24 | -24 | -20 | -34 | -34 | -34 | -32 |
| 48 | 18 | 59 | -10 | -24 | -24 | -24 | -20 | -34 | -34 | -34 | -33 |
| 49 | 19 | 19 | -10 | -23 | -24 | -24 | -20 | -32 | -32 | -32 | -33 |
| 50 | 19 | 39 | -10 | -23 | -24 | -24 | -20 | -33 | -33 | -32 | -32 |
| 51 | 19 | 59 | -10 | -22 | -24 | -24 | -20 | -34 | -33 | -34 | -34 |
| 52 | 20 | 19 | -10 | -23 | -24 | -24 | -20 | -33 | -34 | -34 | -35 |
| 53 | 20 | 39 | -10 | -23 | -24 | -24 | -20 | -34 | -34 | -34 | -34 |
| 54 | 21 | 0 | -10 | -23 | -24 | -24 | -19 | -33 | -34 | -33 | -35 |
| 55 | 21 | 20 | -9 | -23 | -24 | -24 | -19 | -32 | -34 | -33 | -35 |
| 56 | 21 | 40 | -9 | -23 | -24 | -24 | -19 | -33 | -33 | -33 | -34 |
| 57 | 22 | 0 | -9 | -23 | -24 | -24 | -19 | -33 | -33 | -34 | -34 |
| 58 | 22 | 20 | -10 | -23 | -24 | -24 | -18 | -34 | -34 | -34 | -35 |
| 59 | 22 | 40 | -10 | -23 | -24 | -24 | -18 | -35 | -35 | -35 | -35 |
| 60 | 23 | 0 | -10 | -22 | -23 | -23 | -17 | -34 | -35 | -35 | -34 |
| 61 | 23 | 20 | -10 | -22 | -23 | -23 | -15 | -32 | -34 | -32 | -32 |
| 62 | 23 | 40 | -10 | -22 | -23 | -23 | -12 | -27 | -29 | -27 | -27 |
| 63 | 24 | 1 | -10 | -22 | -23 | -23 | -10 | -27 | -26 | -26 | -26 |
| 64 | 24 | 21 | -10 | -22 | -22 | -22 | -8 | -24 | -25 | -24 | -25 |
| 65 | 25 | 30 | -7 | -21 | -21 | -21 | -4 | -23 | -24 | -24 | -24 |
| 66 | 25 | 50 | -6 | -21 | -21 | -21 | -4 | -23 | -24 | -24 | -24 |
| 67 | 26 | 10 | -6 | -21 | -21 | -21 | -3 | -23 | -24 | -24 | -24 |
| 68 | 26 | 30 | -2 | -21 | -21 | -21 | 0 | -23 | -24 | -24 | -24 |
| 69 | 30 | 46 | -5 | -26 | -20 | -20 | 0 | -23 | -24 | -24 | -24 |
| 70 | 31 | 6 | -6 | -19 | -20 | -20 | -1 | -27 | -28 | -28 | -28 |
| 71 | 31 | 26 | -5 | -19 | -20 | -20 | -0 | -27 | -28 | -28 | -28 |
| 72 | 31 | 47 | -6 | -19 | -20 | -20 | 0 | -27 | -28 | -28 | -28 |
| 73 | 32 | 45 | -7 | -18 | -20 | -20 | 0 | -24 | -26 | -26 | -26 |
| 74 | 33 | 6 | -7 | -19 | -19 | -19 | 1 | -23 | -26 | -26 | -26 |
| 75 | 33 | 26 | -7 | -18 | -19 | -19 | 1 | -23 | -26 | -26 | -26 |
| 76 | 33 | 46 | -7 | -18 | -18 | -18 | 2 | -23 | -25 | -25 | -25 |
| 77 | 34 | 6 | -7 | -18 | -18 | -18 | 3 | -23 | -24 | -24 | -24 |
| 78 | 34 | 27 | -7 | -18 | -18 | -18 | 3 | -23 | -24 | -24 | -24 |
| 79 | 34 | 47 | -7 | -18 | -18 | -18 | 3 | -23 | -24 | -24 | -24 |
| 80 | 35 | 7 | -7 | -17 | -18 | -18 | 4 | -22 | -23 | -23 | -23 |
| 81 | 35 | 27 | -6 | -18 | -18 | -18 | 5 | -22 | -23 | -23 | -23 |
| 82 | 35 | 47 | -7 | -18 | -17 | -17 | 5 | -22 | -23 | -23 | -23 |
| 83 | 36 | 7 | -7 | -18 | -17 | -17 | 5 | -22 | -23 | -23 | -23 |
| 84 | 36 | 28 | -7 | -16 | -17 | -17 | 5 | -22 | -23 | -23 | -23 |
| 85 | 36 | 48 | -7 | -16 | -17 | -17 | 5 | -22 | -23 | -23 | -23 |
| 86 | 37 | 8 | -7 | -17 | -17 | -17 | 5 | -22 | -24 | -24 | -24 |
| 87 | 37 | 28 | -7 | -17 | -17 | -17 | 5 | -22 | -24 | -24 | -24 |
| 88 | 37 | 48 | -7 | -17 | -17 | -17 | 5 | -22 | -24 | -24 | -24 |
| 89 | 38 | 8 | -7 | -16 | -16 | -16 | 7 | -23 | -24 | -24 | -24 |
| 90 | 38 | 28 | -6 | -16 | -16 | -16 | 7 | -23 | -24 | -24 | -24 |
| 91 | 38 | 48 | -6 | -16 | -16 | -16 | 7 | -23 | -24 | -24 | -24 |
| 92 | 39 | 9 | -6 | -16 | -16 | -16 | 8 | -23 | -24 | -24 | -24 |
| 93 | 39 | 29 | -6 | -16 | -16 | -16 | 9 | -23 | -24 | -24 | -24 |
| 94 | 39 | 49 | -6 | -16 | -16 | -16 | 9 | -23 | -24 | -24 | -24 |
| 95 | 40 | 9 | -6 | -15 | -15 | -15 | 9 | -22 | -22 | -22 | -22 |

| -01 SWEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C | 6-08 ENG.1 AIR TEMP DEG.C | 6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C | 6-10 ENG.1 ISOL. MNT AFTOUT DEG.C | 6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C | 6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C | 6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C | 6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C | 6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C | 6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C |
|-----------------------|----------------------|----------------------|---|---------------------------------------|--|--|--|--|--|---|---|---|
| 96 | 48 | 29 | -26 | -6 | -15 | -16 | -2 | 10 | -19 | -21 | -21 | -22 |
| 97 | 41 | 29 | -26 | -5 | -14 | -15 | -1 | 11 | -19 | -20 | -21 | -21 |
| 99 | 41 | 49 | -26 | -4 | -15 | -15 | -0 | 12 | -19 | -20 | -21 | -21 |
| 100 | 42 | 9 | -26 | -4 | -14 | -14 | 0 | 12 | -18 | -20 | -20 | -20 |
| 101 | 42 | 9 | -26 | -4 | -14 | -14 | 0 | 12 | -18 | -20 | -20 | -20 |
| 102 | 42 | 29 | -26 | -4 | -14 | -14 | 0 | 13 | -18 | -20 | -20 | -19 |
| 103 | 42 | 49 | -26 | -3 | -14 | -14 | 0 | 14 | -18 | -19 | -20 | -20 |
| 104 | 43 | 9 | -26 | -3 | -14 | -14 | 0 | 14 | -18 | -20 | -20 | -20 |
| 105 | 43 | 29 | -26 | -3 | -14 | -14 | 0 | 14 | -18 | -20 | -20 | -20 |
| 106 | 43 | 49 | -26 | -2 | -14 | -14 | 1 | 14 | -18 | -20 | -20 | -20 |
| 107 | 44 | 9 | -26 | -2 | -14 | -13 | 1 | 15 | -18 | -20 | -20 | -20 |
| 108 | 44 | 29 | -25 | -2 | -14 | -13 | 1 | 15 | -19 | -20 | -20 | -21 |
| 109 | 44 | 49 | -26 | -2 | -13 | -13 | 1 | 15 | -19 | -20 | -20 | -20 |
| 110 | 45 | 10 | -26 | -1 | -13 | -13 | 1 | 15 | -19 | -20 | -20 | -20 |
| 111 | 45 | 30 | -26 | -1 | -12 | -12 | 2 | 15 | -19 | -21 | -21 | -22 |
| 112 | 45 | 50 | -26 | -1 | -13 | -13 | 2 | 16 | -20 | -21 | -21 | -21 |
| 113 | 46 | 10 | -25 | -1 | -12 | -12 | 2 | 16 | -19 | -21 | -21 | -20 |
| 114 | 46 | 30 | -26 | -1 | -12 | -12 | 2 | 16 | -19 | -20 | -20 | -22 |
| 115 | 49 | 16 | -26 | 1 | -11 | -11 | 4 | 16 | -19 | -20 | -20 | -20 |
| 116 | 49 | 36 | -25 | 2 | -11 | -11 | 4 | 18 | -18 | -20 | -20 | -20 |
| 117 | 49 | 55 | -25 | 2 | -10 | -10 | 5 | 18 | -18 | -20 | -20 | -20 |
| 118 | 51 | 54 | -26 | 5 | -9 | -10 | 5 | 19 | -19 | -19 | -20 | -20 |
| 119 | 52 | 14 | -27 | 6 | -8 | -10 | 5 | 19 | -18 | -21 | -22 | -21 |
| 120 | 52 | 35 | -28 | 7 | -8 | -10 | 5 | 19 | -18 | -20 | -20 | -20 |
| 121 | 54 | 33 | -27 | 11 | -7 | -9 | 6 | 21 | -19 | -19 | -19 | -20 |
| 122 | 54 | 55 | -27 | 12 | -7 | -10 | 6 | 21 | -19 | -20 | -20 | -20 |
| 123 | 55 | 15 | -27 | 11 | -7 | -10 | 5 | 21 | -19 | -21 | -21 | -20 |
| 124 | 56 | 32 | -26 | 10 | -7 | -9 | 6 | 19 | -19 | -19 | -19 | -18 |
| 125 | 56 | 53 | -27 | 10 | -6 | -9 | 6 | 19 | -18 | -19 | -19 | -19 |
| 126 | 57 | 13 | -27 | 10 | -6 | -9 | 6 | 19 | -17 | -19 | -19 | -19 |
| 127 | 57 | 33 | -27 | 9 | -6 | -10 | 6 | 19 | -17 | -18 | -18 | -18 |
| 128 | 57 | 53 | -27 | 10 | -5 | -9 | 5 | 19 | -16 | -18 | -18 | -18 |
| 129 | 58 | 13 | -27 | 10 | -5 | -9 | 5 | 19 | -16 | -18 | -18 | -18 |
| 130 | 58 | 33 | -28 | 11 | -5 | -8 | 5 | 20 | -17 | -18 | -18 | -18 |
| 131 | 58 | 53 | -27 | 11 | -4 | -8 | 5 | 20 | -16 | -18 | -18 | -18 |
| 132 | 59 | 13 | -27 | 12 | -4 | -7 | 6 | 20 | -16 | -18 | -18 | -18 |
| 133 | 59 | 33 | -27 | 12 | -4 | -7 | 6 | 20 | -17 | -18 | -18 | -18 |
| 134 | 59 | 53 | -27 | 13 | -4 | -8 | 6 | 20 | -17 | -18 | -18 | -18 |
| 135 | 60 | 13 | -27 | 13 | -4 | -7 | 6 | 20 | -17 | -18 | -18 | -18 |
| 136 | 60 | 33 | -27 | 14 | -3 | -7 | 6 | 20 | -17 | -18 | -18 | -18 |
| 137 | 60 | 53 | -27 | 14 | -3 | -7 | 7 | 21 | -17 | -18 | -18 | -19 |
| 138 | 61 | 12 | -27 | 14 | -3 | -7 | 7 | 21 | -16 | -19 | -19 | -19 |
| 139 | 61 | 32 | -27 | 14 | -3 | -7 | 7 | 22 | -18 | -19 | -19 | -19 |
| 140 | 62 | 31 | -26 | 14 | -3 | -7 | 7 | 21 | -18 | -19 | -19 | -18 |
| 141 | 62 | 50 | -27 | 14 | -3 | -8 | 6 | 21 | -19 | -19 | -19 | -20 |
| 142 | 63 | 10 | -27 | 14 | -2 | -7 | 6 | 21 | -19 | -20 | -20 | -20 |
| 143 | 65 | 10 | -27 | 11 | -2 | -8 | 4 | 21 | -19 | -20 | -20 | -20 |
| 144 | 65 | 30 | -26 | 11 | -2 | -7 | 4 | 21 | -19 | -20 | -20 | -20 |
| 145 | 65 | 50 | -26 | 11 | -2 | -7 | 3 | 21 | -19 | -21 | -21 | -20 |
| 146 | 66 | 10 | -26 | 9 | -2 | -7 | 3 | 19 | -20 | -21 | -21 | -20 |

| -01 SWEAP COUNT | 6-02 | | 6-03 | | 6-07 | | 6-08 | | 6-09 | | 6-10 | | 6-11 | | 6-12 | | 6-13 | | 6-14 | | 6-15 | | 6-16 | |
|-----------------------|--------------|------|--------------|------|---|--|--|--|---|---|--|--|---|--|---|--|---|--|---|--|---|--|---|--|
| | TIME MIN. | SEC. | TIME MIN. | SEC. | ENG.1 BOOST PUMP OUTLET TEMP DEG.C | ENG.1 BLEED AIR TEMP DEG.C | ENG.1 LORD ISOL. MNT AFT IN DEG.C | ENG.2 LORD ISOL. MNT AFT IN DEG.C | ENG.1 LORD ISOL. MNT AFT OUT DEG.C | ENG.2 LORD ISOL. MNT AFT OUT DEG.C | ENG.1 INLET LIP SURF. 12.00 DEG.C | ENG.2 LORD ISOL. MNT AFT IN DEG.C | ENG.1 INLET LIP SURF. 1.80 DEG.C | ENG.2 LORD ISOL. MNT AFT IN DEG.C | ENG.1 INLET LIP SURF. 1.80 DEG.C | ENG.2 LORD ISOL. MNT AFT IN DEG.C | ENG.1 INLET LIP SURF. 1.80 DEG.C | ENG.2 LORD ISOL. MNT AFT IN DEG.C | ENG.1 INLET LIP SURF. 1.80 DEG.C | ENG.2 LORD ISOL. MNT AFT IN DEG.C | ENG.1 INLET LIP SURF. 1.80 DEG.C | ENG.2 LORD ISOL. MNT AFT IN DEG.C | ENG.1 INLET LIP SURF. 1.80 DEG.C | ENG.2 LORD ISOL. MNT AFT IN DEG.C |
| 197 | 85 | 41 | | | -24 | -7 | -12 | -15 | -18 | -8 | -30 | -30 | -29 | -18 | -8 | -30 | -30 | -29 | -30 | -31 | -31 | -31 | -31 | |
| 198 | 86 | 1 | | | -26 | -7 | -13 | -16 | -19 | -8 | -31 | -29 | -29 | -19 | -8 | -31 | -29 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 199 | 86 | 21 | | | -26 | -7 | -12 | -16 | -18 | -7 | -31 | -30 | -31 | -18 | -7 | -31 | -30 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 200 | 86 | 41 | | | -25 | -8 | -13 | -15 | -17 | -6 | -29 | -30 | -29 | -17 | -6 | -29 | -30 | -29 | -30 | -29 | -29 | -29 | -30 | |
| 201 | 87 | 1 | | | -25 | -8 | -13 | -15 | -17 | -6 | -29 | -30 | -29 | -17 | -6 | -29 | -30 | -29 | -30 | -29 | -29 | -29 | -30 | |
| 202 | 87 | 20 | | | -26 | -9 | -13 | -15 | -17 | -6 | -30 | -31 | -30 | -17 | -6 | -30 | -31 | -30 | -31 | -30 | -30 | -30 | -31 | |
| 203 | 87 | 40 | | | -26 | -9 | -12 | -15 | -17 | -6 | -31 | -32 | -31 | -17 | -6 | -31 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 204 | 88 | 0 | | | -26 | -9 | -14 | -16 | -18 | -6 | -32 | -32 | -31 | -18 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 205 | 88 | 20 | | | -25 | -8 | -13 | -16 | -18 | -6 | -32 | -32 | -31 | -18 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 206 | 88 | 40 | | | -25 | -8 | -14 | -16 | -18 | -6 | -32 | -32 | -31 | -18 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 207 | 89 | 0 | | | -25 | -8 | -14 | -16 | -18 | -6 | -32 | -32 | -31 | -18 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 208 | 89 | 20 | | | -26 | -8 | -14 | -15 | -18 | -6 | -30 | -30 | -29 | -18 | -6 | -30 | -30 | -29 | -30 | -29 | -29 | -29 | -30 | |
| 209 | 89 | 40 | | | -25 | -7 | -14 | -16 | -18 | -6 | -32 | -32 | -31 | -18 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 210 | 90 | 0 | | | -25 | -8 | -14 | -16 | -18 | -6 | -32 | -32 | -31 | -18 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 211 | 90 | 19 | | | -25 | -7 | -14 | -16 | -18 | -6 | -32 | -32 | -31 | -18 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 212 | 90 | 39 | | | -25 | -7 | -14 | -16 | -18 | -6 | -32 | -32 | -31 | -18 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 213 | 90 | 59 | | | -26 | -7 | -14 | -17 | -18 | -6 | -32 | -32 | -31 | -18 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 214 | 91 | 19 | | | -26 | -7 | -14 | -17 | -18 | -6 | -32 | -32 | -31 | -18 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 215 | 91 | 39 | | | -26 | -6 | -14 | -17 | -18 | -6 | -32 | -32 | -31 | -18 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 216 | 91 | 59 | | | -25 | -6 | -15 | -17 | -18 | -6 | -32 | -32 | -31 | -19 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 217 | 92 | 19 | | | -25 | -6 | -15 | -18 | -19 | -7 | -32 | -32 | -31 | -19 | -7 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 218 | 92 | 39 | | | -24 | -6 | -15 | -18 | -19 | -7 | -32 | -32 | -31 | -19 | -7 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 219 | 92 | 58 | | | -24 | -5 | -15 | -18 | -19 | -7 | -32 | -32 | -31 | -19 | -7 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 220 | 93 | 18 | | | -25 | -4 | -14 | -18 | -19 | -7 | -32 | -32 | -31 | -19 | -7 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 221 | 93 | 38 | | | -24 | -4 | -15 | -18 | -19 | -7 | -32 | -32 | -31 | -19 | -7 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 222 | 93 | 58 | | | -24 | -4 | -15 | -18 | -19 | -7 | -32 | -32 | -31 | -19 | -7 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 223 | 94 | 18 | | | -24 | -3 | -15 | -17 | -18 | -6 | -32 | -32 | -31 | -19 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 224 | 94 | 38 | | | -24 | -4 | -16 | -18 | -19 | -6 | -32 | -32 | -31 | -19 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 225 | 94 | 57 | | | -24 | -4 | -15 | -18 | -19 | -6 | -32 | -32 | -31 | -19 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 226 | 95 | 17 | | | -24 | -3 | -16 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 227 | 95 | 37 | | | -23 | -3 | -16 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 228 | 95 | 57 | | | -22 | -2 | -16 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 229 | 96 | 16 | | | -23 | -2 | -16 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 230 | 96 | 36 | | | -24 | -2 | -16 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 231 | 96 | 56 | | | -24 | -1 | -16 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 232 | 97 | 16 | | | -24 | 0 | -16 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 233 | 97 | 35 | | | -26 | 0 | -16 | -19 | -20 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 234 | 97 | 55 | | | -26 | 0 | -16 | -19 | -20 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 235 | 98 | 15 | | | -26 | 1 | -16 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 236 | 98 | 35 | | | -26 | 2 | -16 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 237 | 98 | 55 | | | -26 | 3 | -16 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 238 | 99 | 15 | | | -26 | 4 | -16 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 239 | 99 | 34 | | | -26 | 5 | -16 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 240 | 99 | 54 | | | -27 | 7 | -16 | -17 | -18 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 241 | 100 | 14 | | | -26 | 7 | -16 | -17 | -18 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 242 | 100 | 34 | | | -26 | 8 | -16 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 243 | 100 | 54 | | | -26 | 9 | -16 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 244 | 101 | 14 | | | -26 | 10 | -16 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 245 | 101 | 33 | | | -26 | 9 | -17 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |
| 246 | 101 | 53 | | | -26 | 9 | -17 | -18 | -19 | -6 | -32 | -32 | -31 | -20 | -6 | -32 | -32 | -31 | -32 | -31 | -31 | -31 | -32 | |

| -01 SWEEP -COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.F | 6-08 ENG.1 BLEED AIR TEMP DEG.C | 6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C | 6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C | 6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C | 6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C | 6-13 ENG.1 INLET LIP SURF. 12.00 DEG.C | 6-14 ENG.1 INLET LIP SURF. 1.00 DEG.C | 6-15 ENG.1 INLET LIP SURF. 2.00 DEG.C | 6-16 ENG.1 INLET LIP SURF. 2.45 DEG.C |
|------------------------|----------------------|----------------------|---|--|--|--|--|--|--|---|---|---|
| 247 | 102 | 13 | -27 | 9 | -15 | -14 | -19 | -8 | -31 | -24 | -30 | -31 |
| 248 | 102 | 33 | -27 | 9 | -17 | -14 | -19 | -8 | -31 | -27 | -30 | -30 |
| 249 | 102 | 53 | -27 | 9 | -17 | -14 | -19 | -8 | -26 | -27 | -28 | -28 |
| 250 | 103 | 12 | -26 | 9 | -17 | -18 | -18 | -8 | -27 | -24 | -25 | -25 |
| 251 | 103 | 32 | -26 | 9 | -17 | -18 | -18 | -7 | -25 | -20 | -24 | -25 |
| 252 | 103 | 52 | -27 | 9 | -16 | -18 | -18 | -7 | -24 | -20 | -26 | -27 |
| 253 | 104 | 12 | -27 | 9 | -16 | -18 | -18 | -7 | -29 | -20 | -26 | -29 |
| 254 | 104 | 31 | -27 | 9 | -16 | -14 | -16 | -7 | -29 | -20 | -27 | -28 |
| 255 | 104 | 51 | -27 | 9 | -17 | -18 | -17 | -7 | -30 | -20 | -27 | -29 |
| 256 | 105 | 11 | -27 | 9 | -16 | -17 | -17 | -7 | -30 | -20 | -28 | -28 |
| 257 | 105 | 31 | -27 | 9 | -16 | -17 | -17 | -7 | -32 | -27 | -28 | -31 |
| 258 | 105 | 51 | -26 | 7 | -16 | -17 | -18 | -6 | -32 | -29 | -32 | -33 |
| 259 | 106 | 10 | -26 | 6 | -17 | -14 | -14 | -7 | -32 | -26 | -32 | -32 |
| 260 | 106 | 30 | -27 | 6 | -17 | -18 | -18 | -7 | -32 | -24 | -31 | -32 |
| 261 | 106 | 50 | -27 | 6 | -17 | -18 | -14 | -7 | -32 | -23 | -31 | -31 |
| 262 | 107 | 10 | -27 | 6 | -17 | -18 | -19 | -7 | -30 | -23 | -29 | -30 |
| 263 | 107 | 30 | -27 | 6 | -17 | -17 | -14 | -7 | -30 | -21 | -28 | -29 |
| 264 | 107 | 49 | -27 | 5 | -17 | -18 | -19 | -7 | -31 | -27 | -28 | -28 |
| 265 | 108 | 9 | -26 | 5 | -17 | -18 | -18 | -6 | -27 | -26 | -27 | -28 |
| 266 | 109 | 29 | -26 | 4 | -16 | -14 | -17 | -5 | -25 | -25 | -26 | -26 |
| 269 | 109 | 28 | -26 | 1 | -16 | -17 | -13 | -2 | -24 | -24 | -25 | -25 |
| 270 | 109 | 48 | -26 | 0 | -16 | -17 | -13 | -1 | -24 | -25 | -25 | -25 |
| 271 | 110 | 8 | -26 | -0 | -16 | -17 | -13 | -3 | -24 | -26 | -26 | -26 |
| 272 | 110 | 27 | -26 | -1 | -16 | -17 | -13 | -2 | -29 | -27 | -29 | -29 |
| 273 | 110 | 47 | -26 | -2 | -16 | -17 | -15 | -3 | -30 | -30 | -32 | -33 |
| 274 | 111 | 7 | -26 | -3 | -16 | -17 | -16 | -4 | -32 | -31 | -34 | -34 |
| 275 | 111 | 26 | -26 | -4 | -16 | -17 | -16 | -4 | -29 | -29 | -30 | -32 |
| 276 | 111 | 46 | -26 | -4 | -16 | -18 | -17 | -4 | -32 | -31 | -33 | -33 |
| 277 | 112 | 6 | -25 | -3 | -16 | -17 | -16 | -5 | -26 | -26 | -27 | -28 |
| 278 | 112 | 22 | -24 | -6 | -17 | -17 | -16 | -5 | -25 | -25 | -27 | -28 |
| 279 | 112 | 45 | -25 | -3 | -16 | -16 | -16 | -5 | -25 | -24 | -24 | -24 |
| 280 | 113 | 5 | -26 | -3 | -16 | -16 | -17 | -6 | -26 | -27 | -28 | -27 |
| 281 | 113 | 25 | -25 | -3 | -16 | -17 | -17 | -6 | -26 | -27 | -28 | -28 |
| 282 | 113 | 44 | -26 | -3 | -17 | -18 | -18 | -7 | -26 | -28 | -29 | -28 |
| 283 | 114 | 4 | -26 | -3 | -17 | -14 | -14 | -8 | -29 | -30 | -32 | -33 |
| 284 | 114 | 24 | -26 | -3 | -16 | -14 | -14 | -8 | -28 | -28 | -30 | -31 |
| 285 | 114 | 44 | -25 | -1 | -17 | -13 | -17 | -8 | -25 | -24 | -26 | -25 |
| 286 | 115 | 3 | -24 | -3 | -16 | -17 | -17 | -8 | -26 | -24 | -25 | -25 |
| 287 | 115 | 23 | -25 | -3 | -16 | -18 | -17 | -8 | -26 | -28 | -28 | -27 |
| 288 | 115 | 43 | -25 | -3 | -17 | -17 | -18 | -8 | -30 | -31 | -31 | -30 |
| 289 | 116 | 2 | -26 | -1 | -16 | -18 | -18 | -8 | -32 | -30 | -32 | -32 |
| 290 | 116 | 22 | -25 | -3 | -17 | -14 | -14 | -8 | -31 | -30 | -32 | -31 |
| 291 | 116 | 42 | -25 | -3 | -17 | -19 | -19 | -9 | -32 | -32 | -32 | -32 |
| 292 | 117 | 1 | -25 | -4 | -14 | -20 | -20 | -9 | -32 | -32 | -33 | -33 |
| 293 | 117 | 21 | -24 | -4 | -14 | -20 | -19 | -10 | -32 | -31 | -32 | -32 |
| 294 | 117 | 40 | -24 | -3 | -14 | -20 | -20 | -10 | -30 | -30 | -32 | -32 |
| 295 | 118 | 0 | -24 | -2 | -16 | -20 | -20 | -10 | -29 | -30 | -32 | -32 |
| 296 | 118 | 19 | -25 | -2 | -16 | -20 | -19 | -10 | -28 | -30 | -31 | -31 |
| 297 | 118 | 39 | -25 | -1 | -16 | -20 | -20 | -10 | -29 | -29 | -30 | -30 |
| 299 | 118 | 58 | -24 | -0 | -16 | -19 | -20 | -10 | -26 | -28 | -29 | -30 |

| -01 SWEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-07 ENG.1 BOOST PUMP OUTLET TEMP DEG.C | 6-08 ENG.1 BLEED AIR TEMP DEG.C | 6-09 ENG.1 LORD ISOL. MNT AFT IN DEG.C | 6-10 ENG.1 LORD ISOL. MNT AFTOUT DEG.C | 6-11 ENG.2 LORD ISOL. MNT AFT IN DEG.C | 6-12 ENG.2 LORD ISOL. MNT AFTOUT DEG.C | 6-13 ENG.1 INLET LIP SURF. 12-00 DEG.C | 6-14 ENG.1 INLET LIP SURF. 1-00 DEG.C | 6-15 ENG.1 INLET LIP SURF. 2-00 DEG.C | 6-16 ENG.1 INLET LIP SURF. 2-45 DEG.C |
|-----------------------|----------------------|----------------------|---|--|--|--|--|--|--|---|---|---|
| 299 | 119 | 18 | -24 | 0 | -18 | -19 | -20 | -10 | -26 | -28 | -28 | -30 |
| 300 | 119 | 38 | -24 | 0 | -18 | -19 | -20 | -10 | -24 | -27 | -28 | -30 |
| 301 | 119 | 57 | -23 | 0 | -18 | -19 | -19 | -18 | -23 | -26 | -27 | -30 |
| 302 | 120 | 17 | -23 | 1 | -18 | -20 | -20 | -11 | -22 | -25 | -27 | -29 |
| 303 | 120 | 36 | -22 | 1 | -18 | -19 | -19 | -11 | -20 | -24 | -26 | -28 |
| 304 | 120 | 56 | -22 | 2 | -18 | -19 | -19 | -10 | -20 | -24 | -25 | -28 |
| 305 | 121 | 15 | -22 | 2 | -18 | -19 | -19 | -11 | -18 | -23 | -24 | -27 |
| 306 | 121 | 35 | -21 | 3 | -18 | -19 | -19 | -11 | -18 | -22 | -24 | -27 |
| 307 | 121 | 54 | -20 | 3 | -18 | -18 | -18 | -10 | -18 | -21 | -23 | -26 |
| 308 | 122 | 14 | -20 | 4 | -18 | -18 | -17 | -10 | -17 | -20 | -22 | -26 |
| 310 | 122 | 37 | -19 | 5 | -18 | -18 | -18 | -10 | -16 | -20 | -22 | -25 |
| 311 | 122 | 53 | -19 | 5 | -18 | -18 | -15 | -10 | -16 | -20 | -22 | -25 |
| 312 | 123 | 13 | -18 | 6 | -17 | -17 | -18 | -10 | -15 | -20 | -21 | -25 |

44-530 S/N 68-10354
ARCTIC TEST
21 JANUARY 1971
RUN NO. 7

-42 DEG C / -43 DEG F

| -01 SLEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-17 ENT.1 INLET LIP SURF. 3.15 DEG.C | 6-18 ENG.1 INLET LIP SURF. 4.00 DEG.C | 6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C | 6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C | 6-21 ENG.1 COMPT UPPER FWD AIRTMP DEG.C | 6-22 ENG.1 COMPT LOWER FWD AIRTMP DEG.C | 6-23 ENG.1 COMPT UPPER AFT AIRTMP DEG.C | 6-24 ENG.1 COMPT LOWER AFT AIRTMP DEG.C | 6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C | 6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 6 | -30 | -30 | -30 | -30 | -13 | -31 | -12 | -30 | -15 | -16 |
| 2 | 3 | 27 | -30 | -30 | -30 | -30 | -13 | -31 | -12 | -30 | -15 | -16 |
| 3 | 3 | 47 | -30 | -31 | -30 | -30 | -14 | -31 | -12 | -30 | -15 | -16 |
| 4 | 4 | 8 | -30 | -30 | -30 | -30 | -14 | -31 | -12 | -30 | -15 | -16 |
| 5 | 4 | 26 | -30 | -31 | -30 | -30 | -14 | -31 | -12 | -30 | -15 | -16 |
| 6 | 4 | 48 | -30 | -31 | -30 | -30 | -14 | -31 | -12 | -30 | -15 | -16 |
| 7 | 5 | 9 | -30 | -30 | -30 | -30 | -14 | -30 | -11 | -30 | -15 | -16 |
| 8 | 5 | 30 | -30 | -31 | -30 | -30 | -15 | -31 | -12 | -30 | -15 | -16 |
| 9 | 5 | 50 | -31 | -31 | -30 | -30 | -15 | -31 | -12 | -30 | -16 | -16 |
| 10 | 6 | 10 | -30 | -31 | -30 | -30 | -14 | -31 | -12 | -30 | -16 | -16 |
| 11 | 6 | 31 | -30 | -31 | -30 | -30 | -15 | -31 | -12 | -30 | -16 | -16 |
| 12 | 6 | 51 | -30 | -31 | -31 | -30 | -15 | -31 | -12 | -30 | -16 | -16 |
| 13 | 7 | 12 | -30 | -31 | -30 | -30 | -15 | -30 | -12 | -30 | -16 | -16 |
| 14 | 7 | 32 | -30 | -31 | -30 | -30 | -15 | -30 | -12 | -30 | -16 | -16 |
| 15 | 7 | 52 | -30 | -31 | -30 | -30 | -16 | -30 | -13 | -30 | -16 | -16 |
| 16 | 8 | 13 | -31 | -31 | -31 | -30 | -16 | -30 | -13 | -30 | -16 | -16 |
| 17 | 8 | 33 | -30 | -31 | -30 | -30 | -15 | -31 | -12 | -30 | -16 | -16 |
| 18 | 8 | 53 | -30 | -30 | -30 | -30 | -15 | -30 | -12 | -30 | -16 | -16 |
| 19 | 9 | 14 | -30 | -31 | -30 | -30 | -14 | -30 | -12 | -29 | -16 | -16 |
| 20 | 9 | 34 | -30 | -30 | -30 | -30 | -15 | -30 | -12 | -29 | -16 | -16 |
| 21 | 9 | 54 | -30 | -31 | -30 | -30 | -15 | -30 | -12 | -29 | -16 | -16 |
| 22 | 10 | 14 | -31 | -31 | -30 | -30 | -14 | -31 | -12 | -29 | -16 | -16 |
| 23 | 10 | 35 | -32 | -32 | -32 | -32 | -14 | -32 | -12 | -29 | -16 | -16 |
| 24 | 10 | 55 | -32 | -31 | -31 | -32 | -20 | -30 | -17 | -25 | 2 | 2 |
| 25 | 11 | 15 | -32 | -31 | -31 | -32 | -22 | -31 | -17 | -25 | 2 | 2 |
| 26 | 11 | 35 | -33 | -31 | -31 | -32 | -22 | -31 | -18 | -25 | 2 | 2 |
| 27 | 11 | 56 | -33 | -31 | -32 | -32 | -22 | -31 | -18 | -25 | 2 | 2 |
| 28 | 12 | 16 | -33 | -31 | -31 | -32 | -23 | -30 | -16 | -25 | 2 | 2 |
| 29 | 12 | 36 | -33 | -32 | -32 | -32 | -24 | -30 | -16 | -25 | 2 | 2 |
| 30 | 12 | 56 | -33 | -31 | -31 | -32 | -24 | -31 | -17 | -26 | 3 | 3 |
| 31 | 13 | 16 | -34 | -32 | -32 | -32 | -25 | -30 | -18 | -26 | 3 | 3 |
| 32 | 13 | 37 | -34 | -32 | -30 | -32 | -24 | -30 | -18 | -26 | 4 | 4 |
| 33 | 13 | 57 | -32 | -32 | -29 | -30 | -23 | -29 | -18 | -26 | 5 | 5 |
| 34 | 14 | 17 | -33 | -31 | -30 | -30 | -23 | -30 | -18 | -26 | 4 | 4 |
| 35 | 14 | 37 | -32 | -32 | -29 | -30 | -23 | -30 | -24 | -26 | 4 | 4 |
| 36 | 14 | 57 | -31 | -32 | -29 | -29 | -23 | -30 | -24 | -25 | 3 | 3 |
| 37 | 15 | 18 | -33 | -32 | -29 | -30 | -24 | -30 | -24 | -26 | 2 | 2 |
| 38 | 15 | 38 | -34 | -33 | -30 | -30 | -22 | -30 | -23 | -25 | 1 | 1 |
| 39 | 15 | 58 | -35 | -34 | -31 | -31 | -22 | -30 | -23 | -25 | 1 | 1 |
| 40 | 16 | 40 | -34 | -34 | -32 | -31 | -23 | -32 | -24 | -25 | 1 | 1 |
| 41 | 16 | 38 | -34 | -33 | -32 | -32 | -23 | -32 | -24 | -25 | 1 | 1 |
| 42 | 16 | 54 | -34 | -33 | -31 | -32 | -24 | -30 | -24 | -25 | 1 | 1 |
| 43 | 17 | 18 | -35 | -30 | -25 | -26 | -22 | -28 | -24 | -25 | 2 | 2 |
| 44 | 17 | 39 | -34 | -32 | -28 | -28 | -23 | -28 | -24 | -25 | 2 | 2 |
| 45 | 17 | 59 | -34 | -32 | -28 | -28 | -22 | -28 | -24 | -24 | 2 | 2 |

| 6-01 SWEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-17 ENG.1 INLET LIP SURF. 8.15 DEG.C | 6-18 ENG.1 INLET LIP SURF. 9.00 DEG.C | 6-19 ENG.1 INLET LIP SURF. 5.00 DEG.C | 6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C | 6-21 ENG.1 COMPT UPPER FWD AIRTMP 6.00 DEG.C | 6-22 ENG.1 COMPT LOWER FWD AIRTMP 6.00 DEG.C | 6-23 ENG.1 COMPT UPPER AFT AIRTMP DEG.C | 6-24 ENG.1 COMPT LOWER AFT AIRTMP DEG.C | 6-25 ENG.1 ACCESS G.80X (SIRT) TEMP DEG.C | 6-27 ENG.2 ACCESS G.80X (SIRT) TEMP DEG.C |
|------------------------|----------------------|----------------------|---|---|---|---|---|---|---|---|---|---|
| 46 | 16 | 19 | -35 | -34 | -29 | -27 | -22 | -29 | -24 | -26 | 2 | -3 |
| 47 | 18 | 39 | -30 | -31 | -29 | -29 | -21 | -28 | -24 | -25 | 2 | -2 |
| 48 | 18 | 59 | -33 | -33 | -31 | -29 | -21 | -28 | -23 | -25 | 2 | -2 |
| 49 | 19 | 19 | -32 | -32 | -30 | -29 | -20 | -26 | -22 | -25 | 2 | -2 |
| 50 | 19 | 39 | -30 | -29 | -30 | -29 | -20 | -27 | -23 | -24 | 2 | -2 |
| 51 | 19 | 59 | -31 | -31 | -30 | -29 | -19 | -29 | -23 | -24 | 2 | -2 |
| 52 | 20 | 19 | -33 | -32 | -31 | -29 | -19 | -29 | -24 | -25 | 1 | -1 |
| 53 | 20 | 39 | -34 | -34 | -32 | -29 | -19 | -29 | -24 | -26 | 2 | -2 |
| 54 | 21 | 0 | -32 | -32 | -28 | -26 | -20 | -26 | -23 | -24 | 2 | -2 |
| 55 | 21 | 20 | -30 | -30 | -25 | -26 | -20 | -23 | -23 | -23 | 2 | -2 |
| 56 | 21 | 40 | -33 | -30 | -28 | -27 | -20 | -27 | -22 | -24 | 2 | -2 |
| 57 | 22 | 0 | -34 | -30 | -27 | -26 | -20 | -28 | -23 | -24 | 2 | -2 |
| 58 | 22 | 20 | -34 | -33 | -29 | -29 | -22 | -27 | -23 | -24 | 1 | -1 |
| 59 | 22 | 40 | -34 | -33 | -30 | -31 | -23 | -21 | -20 | -20 | 2 | -2 |
| 60 | 23 | 0 | -34 | -32 | -30 | -31 | -24 | -20 | -21 | -21 | 2 | -1 |
| 61 | 23 | 20 | -34 | -28 | -27 | -27 | -22 | -18 | -20 | -20 | 2 | -1 |
| 62 | 23 | 40 | -27 | -24 | -26 | -25 | -17 | -17 | -17 | -17 | 2 | -1 |
| 63 | 24 | 1 | -25 | -25 | -25 | -25 | -19 | -18 | -16 | -16 | 2 | -1 |
| 64 | 24 | 21 | -25 | -26 | -24 | -25 | -18 | -18 | -17 | -17 | 3 | -1 |
| 65 | 25 | 30 | -25 | -24 | -24 | -24 | -16 | -17 | -16 | -16 | 2 | -2 |
| 66 | 25 | 50 | -24 | -24 | -24 | -24 | -16 | -17 | -16 | -16 | 3 | -1 |
| 67 | 26 | 10 | -24 | -25 | -24 | -23 | -15 | -15 | -15 | -15 | 2 | -2 |
| 68 | 26 | 4 | -24 | -24 | -24 | -23 | -15 | -17 | -16 | -16 | 3 | -0 |
| 69 | 30 | 46 | -28 | -28 | -28 | -28 | -21 | -18 | -18 | -18 | 2 | -2 |
| 70 | 31 | 6 | -28 | -28 | -28 | -28 | -20 | -20 | -19 | -19 | 2 | -2 |
| 71 | 31 | 26 | -29 | -28 | -28 | -28 | -20 | -21 | -20 | -19 | 2 | -2 |
| 72 | 31 | 47 | -26 | -26 | -26 | -26 | -18 | -18 | -18 | -18 | 2 | -2 |
| 73 | 32 | 45 | -26 | -25 | -24 | -24 | -18 | -17 | -17 | -16 | 2 | -1 |
| 74 | 33 | 6 | -25 | -25 | -24 | -24 | -18 | -15 | -15 | -15 | 3 | -1 |
| 75 | 33 | 26 | -24 | -24 | -24 | -24 | -18 | -16 | -16 | -16 | 3 | -1 |
| 76 | 33 | 46 | -24 | -24 | -24 | -24 | -16 | -16 | -16 | -16 | 3 | -1 |
| 77 | 34 | 6 | -25 | -24 | -22 | -24 | -17 | -15 | -15 | -15 | 3 | -0 |
| 78 | 34 | 27 | -25 | -24 | -22 | -24 | -18 | -15 | -14 | -14 | 3 | -0 |
| 79 | 34 | 47 | -23 | -24 | -22 | -23 | -18 | -14 | -13 | -13 | 3 | -0 |
| 80 | 35 | 7 | -22 | -24 | -22 | -23 | -14 | -15 | -14 | -13 | 4 | 0 |
| 81 | 35 | 27 | -23 | -22 | -22 | -22 | -14 | -15 | -14 | -13 | 3 | 0 |
| 82 | 35 | 47 | -20 | -23 | -22 | -23 | -16 | -14 | -13 | -13 | 4 | 0 |
| 83 | 36 | 7 | -23 | -23 | -22 | -23 | -14 | -12 | -12 | -12 | 4 | 0 |
| 84 | 36 | 28 | -24 | -23 | -22 | -23 | -16 | -14 | -13 | -13 | 4 | 0 |
| 85 | 36 | 48 | -24 | -24 | -23 | -23 | -16 | -14 | -13 | -13 | 4 | 0 |
| 86 | 37 | 8 | -24 | -24 | -23 | -24 | -16 | -13 | -13 | -13 | 4 | 0 |
| 87 | 37 | 26 | -25 | -24 | -23 | -24 | -14 | -13 | -13 | -13 | 4 | 0 |
| 88 | 37 | 48 | -24 | -24 | -23 | -25 | -14 | -15 | -14 | -14 | 4 | 0 |
| 89 | 38 | 8 | -22 | -24 | -23 | -24 | -14 | -16 | -15 | -14 | 4 | 0 |
| 90 | 38 | 28 | -24 | -24 | -22 | -23 | -15 | -14 | -13 | -13 | 5 | 1 |
| 91 | 38 | 48 | -23 | -23 | -22 | -23 | -16 | -14 | -13 | -13 | 4 | 1 |
| 92 | 39 | 9 | -22 | -23 | -22 | -23 | -16 | -13 | -12 | -12 | 5 | 1 |
| 93 | 39 | 29 | -22 | -22 | -21 | -23 | -14 | -14 | -12 | -12 | 5 | 1 |
| 94 | 39 | 49 | -23 | -22 | -21 | -22 | -12 | -14 | -12 | -12 | 5 | 1 |
| 95 | 40 | 9 | -22 | -22 | -20 | -22 | -14 | -13 | -12 | -12 | 5 | 1 |

| -01 SHEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-17 ENG.1 INFLT LIP SURF. 3.15 DEG.C | 6-18 ENG.1 INFLT LIP SURF. 4.00 DEG.C | 6-19 ENG.1 INFLT LIP SURF. 5.00 DEG.C | 6-20 ENG.1 INLET LIP SURF. 6.00 DEG.C | 6-21 ENG.1 COMPT UPPER FWD AIRTMP DEG.C | 6-22 ENG.1 COMPT LOWER FWD AIRTMP DEG.C | 6-23 ENG.1 COMPT UPPER AFT AIRTMP DEG.C | 6-24 ENG.1 COMPT LOWER AFT AIRTMP DEG.C | 6-25 ENG.1 ACCESS G.BOX (STRT) TEMP DEG.C | 6-27 ENG.2 ACCESS G.BOX (STRT) TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|---|---|---|---|---|---|---|
| 96 | 40 | 29 | -21 | -21 | -20 | -20 | -14 | -13 | 26 | -11 | 6 | 2 |
| 97 | 41 | 29 | -20 | -20 | -19 | -20 | -13 | -12 | 26 | -10 | 6 | 2 |
| 98 | 41 | 49 | -20 | -20 | -19 | -20 | -14 | -11 | 31 | -10 | 6 | 2 |
| 100 | 41 | 49 | -20 | -20 | -18 | -20 | -13 | -11 | 31 | -8 | 7 | 3 |
| 101 | 42 | 9 | -20 | -20 | -18 | -20 | -13 | -11 | 29 | -8 | 7 | 3 |
| 102 | 42 | 23 | -20 | -20 | -18 | -20 | -12 | -11 | 25 | -8 | 7 | 4 |
| 103 | 42 | 49 | -19 | -19 | -18 | -19 | -9 | -13 | 29 | -8 | 7 | 4 |
| 104 | 43 | 9 | -19 | -19 | -18 | -19 | -11 | -10 | 31 | -8 | 7 | 4 |
| 105 | 43 | 29 | -19 | -20 | -18 | -20 | -12 | -11 | 31 | -8 | 7 | 4 |
| 106 | 43 | 49 | -19 | -20 | -19 | -20 | -13 | -10 | 32 | -8 | 7 | 4 |
| 107 | 44 | 9 | -20 | -20 | -19 | -20 | -11 | -12 | 27 | -9 | 7 | 4 |
| 108 | 44 | 44 | -20 | -20 | -18 | -20 | -10 | -13 | 25 | -10 | 7 | 4 |
| 109 | 44 | 49 | -20 | -20 | -19 | -20 | -11 | -11 | 31 | -9 | 8 | 4 |
| 110 | 45 | 10 | -20 | -20 | -19 | -20 | -13 | -10 | 36 | -9 | 8 | 4 |
| 111 | 45 | 30 | -21 | -21 | -20 | -21 | -13 | -10 | 38 | -9 | 8 | 4 |
| 112 | 45 | 50 | -21 | -21 | -20 | -20 | -11 | -12 | 31 | -10 | 8 | 5 |
| 113 | 46 | 10 | -21 | -21 | -20 | -20 | -8 | -14 | 24 | -9 | 8 | 5 |
| 114 | 46 | 30 | -20 | -20 | -20 | -20 | -8 | -14 | 24 | -10 | 8 | 5 |
| 115 | 49 | 16 | -20 | -20 | -19 | -20 | -2 | -14 | 19 | -4 | 8 | 6 |
| 116 | 49 | 36 | -20 | -20 | -20 | -20 | -2 | -14 | 19 | -4 | 8 | 6 |
| 117 | 49 | 55 | -20 | -20 | -20 | -20 | -3 | -13 | 17 | -5 | 8 | 6 |
| 118 | 51 | 54 | -20 | -20 | -19 | -20 | -3 | -14 | 17 | -2 | 8 | 6 |
| 119 | 51 | 14 | -20 | -20 | -20 | -20 | -2 | -13 | 18 | 0 | 8 | 7 |
| 120 | 52 | 35 | -20 | -20 | -19 | -20 | -2 | -13 | 18 | -3 | 9 | 7 |
| 121 | 54 | 33 | -20 | -20 | -20 | -19 | -2 | -13 | 16 | -3 | 9 | 7 |
| 122 | 54 | 55 | -20 | -20 | -20 | -20 | -6 | -12 | 22 | -8 | 9 | 7 |
| 123 | 55 | 15 | -20 | -20 | -20 | -20 | -8 | -14 | 12 | -2 | 9 | 7 |
| 124 | 56 | 32 | -20 | -20 | -19 | -20 | -8 | -14 | 14 | -5 | 9 | 7 |
| 125 | 56 | 53 | -19 | -19 | -19 | -19 | -8 | -14 | 14 | -5 | 9 | 7 |
| 126 | 57 | 13 | -19 | -19 | -18 | -19 | -6 | -13 | 15 | -7 | 9 | 7 |
| 127 | 57 | 33 | -19 | -19 | -18 | -19 | -4 | -13 | 15 | -6 | 9 | 7 |
| 128 | 57 | 53 | -19 | -18 | -18 | -19 | -4 | -12 | 17 | -7 | 9 | 7 |
| 129 | 58 | 13 | -18 | -18 | -18 | -18 | -4 | -12 | 17 | -7 | 10 | 8 |
| 130 | 58 | 33 | -18 | -18 | -18 | -18 | -4 | -12 | 17 | -7 | 10 | 8 |
| 131 | 58 | 53 | -18 | -18 | -18 | -17 | -3 | -11 | 18 | -7 | 10 | 8 |
| 132 | 59 | 13 | -18 | -18 | -18 | -19 | -4 | -11 | 19 | -7 | 10 | 8 |
| 133 | 59 | 33 | -17 | -18 | -18 | -18 | -3 | -11 | 19 | -6 | 9 | 8 |
| 134 | 59 | 53 | -18 | -18 | -18 | -18 | -3 | -11 | 18 | -5 | 10 | 8 |
| 135 | 60 | 13 | -18 | -18 | -18 | -18 | -2 | -10 | 19 | -5 | 10 | 8 |
| 136 | 60 | 33 | -18 | -18 | -18 | -18 | -4 | -11 | 22 | -7 | 10 | 8 |
| 137 | 60 | 53 | -18 | -18 | -18 | -19 | -4 | -11 | 22 | -6 | 10 | 8 |
| 138 | 61 | 12 | -19 | -19 | -18 | -19 | -6 | -10 | 26 | -7 | 9 | 8 |
| 139 | 61 | 32 | -19 | -19 | -18 | -19 | -6 | -11 | 25 | -7 | 9 | 8 |
| 140 | 62 | 31 | -19 | -19 | -19 | -19 | -5 | -11 | 20 | -7 | 10 | 8 |
| 141 | 62 | 50 | -19 | -20 | -20 | -20 | -6 | -13 | 28 | -7 | 9 | 8 |
| 142 | 63 | 10 | -20 | -20 | -20 | -20 | -8 | -14 | 19 | -7 | 9 | 8 |
| 143 | 65 | 10 | -20 | -20 | -20 | -21 | -11 | -14 | 19 | -9 | 10 | 7 |
| 144 | 65 | 30 | -20 | -20 | -20 | -20 | -11 | -14 | 18 | -8 | 9 | 8 |
| 145 | 65 | 50 | -21 | -21 | -21 | -20 | -12 | -14 | 20 | -10 | 9 | 8 |
| 146 | 66 | 10 | -21 | -21 | -21 | -21 | -12 | -14 | 24 | -10 | 9 | 8 |

| -01 SHEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-17 | | 6-18 | | 6-19 | | 6-20 | | 6-21 | | 6-22 | | 6-23 | | 6-24 | | 6-25 | | 6-27 | | |
|-----------------------|----------------------|----------------------|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|
| | | | ENG.1 INLET LIP SURF. 3.15 DEG.C | ENG.1 INLET LIP SURF. 4.00 DEG.C | ENG.1 INLET LIP SURF. 5.00 DEG.C | ENG.1 INLET LIP SURF. 6.00 DEG.C | ENG.1 INLET LIP SURF. 4.00 DEG.C | ENG.1 INLET LIP SURF. 5.00 DEG.C | ENG.1 INLET LIP SURF. 6.00 DEG.C | ENG.1 INLET LIP SURF. 7.00 DEG.C | ENG.1 INLET LIP SURF. 8.00 DEG.C | ENG.1 INLET LIP SURF. 9.00 DEG.C | ENG.1 INLET LIP SURF. 10.00 DEG.C | ENG.1 INLET LIP SURF. 11.00 DEG.C | ENG.1 INLET LIP SURF. 12.00 DEG.C | ENG.1 INLET LIP SURF. 13.00 DEG.C | ENG.1 INLET LIP SURF. 14.00 DEG.C | ENG.1 INLET LIP SURF. 15.00 DEG.C | ENG.1 INLET LIP SURF. 16.00 DEG.C | ENG.1 INLET LIP SURF. 17.00 DEG.C | ENG.1 INLET LIP SURF. 18.00 DEG.C | ENG.1 INLET LIP SURF. 19.00 DEG.C | ENG.1 INLET LIP SURF. 20.00 DEG.C |
| 147 | 67 | 7 | -21 | -22 | -20 | -21 | -21 | -21 | -21 | -21 | -14 | -14 | -14 | -14 | 5 | -8 | -8 | 10 | 10 | 10 | 7 | 7 | |
| 148 | 67 | 26 | -21 | -21 | -20 | -22 | -20 | -22 | -22 | -16 | -16 | -15 | -15 | -2 | -8 | -8 | 10 | 10 | 10 | 7 | 7 | | |
| 149 | 67 | 46 | -21 | -23 | -22 | -23 | -22 | -22 | -23 | -16 | -16 | -16 | -16 | -6 | -9 | -9 | 10 | 10 | 10 | 7 | 7 | | |
| 150 | 68 | 5 | -22 | -23 | -22 | -23 | -22 | -22 | -23 | -16 | -16 | -17 | -17 | -7 | -10 | -10 | 9 | 9 | 9 | 6 | 6 | | |
| 151 | 68 | 25 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | -18 | -18 | -18 | -18 | -3 | -13 | -13 | 9 | 9 | 9 | 6 | 6 | | |
| 152 | 68 | 45 | -24 | -24 | -24 | -24 | -24 | -24 | -24 | -19 | -19 | -19 | -19 | -3 | -13 | -13 | 9 | 9 | 9 | 6 | 6 | | |
| 153 | 69 | 5 | -27 | -27 | -27 | -27 | -27 | -27 | -27 | -20 | -20 | -19 | -19 | 7 | -18 | -18 | 9 | 9 | 9 | 3 | 3 | | |
| 154 | 69 | 24 | -30 | -31 | -29 | -31 | -29 | -29 | -31 | -20 | -20 | -19 | -19 | 7 | -18 | -18 | 9 | 9 | 9 | 3 | 3 | | |
| 155 | 69 | 44 | -33 | -33 | -32 | -33 | -32 | -32 | -33 | -27 | -27 | -23 | -23 | -11 | -22 | -22 | 6 | 6 | 6 | 3 | 3 | | |
| 156 | 70 | 4 | -33 | -32 | -30 | -32 | -30 | -30 | -32 | -27 | -27 | -23 | -23 | -11 | -22 | -22 | 7 | 7 | 7 | 1 | 1 | | |
| 157 | 70 | 24 | -33 | -33 | -31 | -33 | -31 | -31 | -33 | -23 | -23 | -23 | -23 | -18 | -24 | -24 | 6 | 6 | 6 | 0 | 0 | | |
| 158 | 70 | 44 | -34 | -34 | -33 | -34 | -33 | -33 | -34 | -24 | -24 | -19 | -19 | -20 | -21 | -21 | 7 | 7 | 7 | 0 | 0 | | |
| 159 | 71 | 4 | -34 | -33 | -32 | -33 | -32 | -32 | -33 | -26 | -26 | -20 | -20 | -17 | -20 | -20 | 6 | 6 | 6 | 0 | 0 | | |
| 160 | 71 | 24 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -26 | -26 | -20 | -20 | -16 | -16 | -16 | 6 | 6 | 6 | 0 | 0 | | |
| 161 | 71 | 43 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -27 | -27 | -20 | -20 | -19 | -19 | -19 | 8 | 8 | 8 | 0 | 0 | | |
| 162 | 72 | 3 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -28 | -28 | -20 | -20 | -21 | -21 | -21 | 7 | 7 | 7 | 0 | 0 | | |
| 163 | 72 | 27 | -34 | -34 | -34 | -34 | -34 | -34 | -34 | -28 | -28 | -20 | -20 | -21 | -21 | -21 | 7 | 7 | 7 | 0 | 0 | | |
| 164 | 72 | 43 | -34 | -34 | -30 | -34 | -30 | -30 | -34 | -26 | -26 | -24 | -24 | -7 | -21 | -21 | 7 | 7 | 7 | 0 | 0 | | |
| 165 | 73 | 3 | -30 | -31 | -29 | -31 | -29 | -29 | -31 | -24 | -24 | -25 | -25 | -2 | -21 | -21 | 7 | 7 | 7 | 0 | 0 | | |
| 166 | 73 | 23 | -32 | -31 | -28 | -31 | -28 | -28 | -31 | -22 | -22 | -26 | -26 | -8 | -21 | -21 | 7 | 7 | 7 | 0 | 0 | | |
| 167 | 73 | 43 | -29 | -29 | -27 | -29 | -27 | -27 | -29 | -22 | -22 | -24 | -24 | -8 | -21 | -21 | 7 | 7 | 7 | 0 | 0 | | |
| 168 | 74 | 3 | -31 | -31 | -29 | -31 | -29 | -29 | -31 | -20 | -20 | -21 | -21 | -4 | -19 | -19 | 7 | 7 | 7 | 0 | 0 | | |
| 169 | 74 | 23 | -32 | -32 | -30 | -32 | -30 | -30 | -32 | -23 | -23 | -18 | -18 | -4 | -19 | -19 | 6 | 6 | 6 | 0 | 0 | | |
| 170 | 74 | 43 | -31 | -30 | -30 | -31 | -30 | -30 | -31 | -23 | -23 | -18 | -18 | 17 | -18 | -18 | 7 | 7 | 7 | 0 | 0 | | |
| 171 | 75 | 3 | -30 | -30 | -30 | -30 | -30 | -30 | -30 | -22 | -22 | -18 | -18 | 15 | -19 | -19 | 7 | 7 | 7 | 0 | 0 | | |
| 172 | 75 | 23 | -29 | -24 | -29 | -29 | -29 | -29 | -29 | -22 | -22 | -18 | -18 | 14 | -18 | -18 | 7 | 7 | 7 | 0 | 0 | | |
| 173 | 75 | 43 | -28 | -27 | -27 | -28 | -27 | -27 | -28 | -20 | -20 | -18 | -18 | 15 | -17 | -17 | 7 | 7 | 7 | 0 | 0 | | |
| 174 | 76 | 3 | -26 | -26 | -26 | -26 | -26 | -26 | -26 | -20 | -20 | -16 | -16 | 19 | -16 | -16 | 6 | 6 | 6 | 0 | 0 | | |
| 175 | 76 | 24 | -32 | -33 | -34 | -33 | -34 | -34 | -33 | -27 | -27 | -20 | -20 | -20 | -22 | -22 | 5 | 5 | 5 | 0 | 0 | | |
| 176 | 76 | 43 | -34 | -33 | -32 | -33 | -32 | -32 | -33 | -26 | -26 | -20 | -20 | -19 | -20 | -20 | 5 | 5 | 5 | 0 | 0 | | |
| 177 | 79 | 3 | -33 | -33 | -32 | -33 | -32 | -32 | -33 | -21 | -21 | -23 | -23 | 0 | -20 | -20 | 5 | 5 | 5 | 0 | 0 | | |
| 178 | 79 | 23 | -34 | -33 | -32 | -33 | -32 | -32 | -33 | -19 | -19 | -24 | -24 | 0 | -24 | -24 | 5 | 5 | 5 | 0 | 0 | | |
| 179 | 79 | 43 | -33 | -33 | -32 | -33 | -32 | -32 | -33 | -19 | -19 | -25 | -25 | -1 | -25 | -25 | 5 | 5 | 5 | 0 | 0 | | |
| 180 | 80 | 3 | -33 | -33 | -32 | -33 | -32 | -32 | -33 | -18 | -18 | -25 | -25 | -1 | -25 | -25 | 5 | 5 | 5 | 0 | 0 | | |
| 181 | 80 | 23 | -30 | -30 | -31 | -31 | -31 | -31 | -31 | -18 | -18 | -22 | -22 | -4 | -20 | -20 | 6 | 6 | 6 | 0 | 0 | | |
| 182 | 80 | 43 | -29 | -30 | -28 | -30 | -28 | -28 | -30 | -15 | -15 | -24 | -24 | -1 | -19 | -19 | 6 | 6 | 6 | 0 | 0 | | |
| 183 | 81 | 3 | -29 | -30 | -28 | -30 | -28 | -28 | -30 | -15 | -15 | -25 | -25 | -5 | -21 | -21 | 6 | 6 | 6 | 0 | 0 | | |
| 184 | 81 | 23 | -30 | -30 | -27 | -30 | -27 | -27 | -30 | -22 | -22 | -26 | -26 | -15 | -23 | -23 | 5 | 5 | 5 | 0 | 0 | | |
| 185 | 81 | 43 | -32 | -31 | -29 | -31 | -29 | -29 | -31 | -18 | -18 | -26 | -26 | -19 | -23 | -23 | 5 | 5 | 5 | 0 | 0 | | |
| 186 | 82 | 3 | -32 | -32 | -30 | -32 | -30 | -30 | -32 | -17 | -17 | -26 | -26 | -20 | -23 | -23 | 6 | 6 | 6 | 0 | 0 | | |
| 187 | 82 | 22 | -32 | -32 | -30 | -32 | -30 | -30 | -32 | -17 | -17 | -26 | -26 | -20 | -23 | -23 | 5 | 5 | 5 | 0 | 0 | | |
| 188 | 82 | 42 | -32 | -32 | -29 | -32 | -29 | -29 | -32 | -18 | -18 | -25 | -25 | -21 | -23 | -23 | 5 | 5 | 5 | 0 | 0 | | |
| 189 | 83 | 2 | -33 | -32 | -28 | -32 | -28 | -28 | -32 | -19 | -19 | -26 | -26 | -21 | -24 | -24 | 5 | 5 | 5 | 0 | 0 | | |
| 190 | 83 | 22 | -32 | -32 | -28 | -32 | -28 | -28 | -32 | -18 | -18 | -26 | -26 | -21 | -24 | -24 | 5 | 5 | 5 | 0 | 0 | | |
| 191 | 83 | 42 | -31 | -30 | -26 | -31 | -26 | -26 | -31 | -17 | -17 | -26 | -26 | -20 | -22 | -22 | 5 | 5 | 5 | 0 | 0 | | |
| 192 | 84 | 2 | -32 | -30 | -26 | -32 | -26 | -26 | -30 | -17 | -17 | -26 | -26 | -20 | -22 | -22 | 5 | 5 | 5 | 0 | 0 | | |
| 193 | 84 | 22 | -30 | -28 | -26 | -30 | -26 | -26 | -30 | -18 | -18 | -24 | -24 | -20 | -22 | -22 | 6 | 6 | 6 | 0 | 0 | | |
| 194 | 84 | 42 | -30 | -28 | -27 | -30 | -27 | -27 | -30 | -18 | -18 | -25 | -25 | -19 | -22 | -22 | 5 | 5 | 5 | 0 | 0 | | |
| 195 | 85 | 1 | -31 | -29 | -27 | -31 | -27 | -27 | -29 | -17 | -17 | -25 | -25 | -19 | -22 | -22 | 5 | 5 | 5 | 0 | 0 | | |
| 196 | 85 | 21 | -31 | -30 | -28 | -31 | -28 | -28 | -31 | -18 | -18 | -26 | -26 | -20 | -22 | -22 | 5 | 5 | 5 | 0 | 0 | | |

| SWP# | COUNT | 5-02 TIME | 6-05 TIME | 6-17 INLET LIP SUPP. 3.15 DEG.C | 6-1A INLET LIP SUPP. 6.00 DEG.C | 6-19 INLET LIP SUPP. 5.00 DEG.C | 6-20 INLET LIP SURF. 6.00 DEG.C | 6-21 COMPT UPPER FWD AIRTMP DEG.C | 6-22 COMPT LOWER FWD AIRTMP DEG.C | 6-23 COMPT UPPER AFT AIRTMP DEG.C | 6-24 COMPT LOWER AFT AIRTMP DEG.C | 6-25 ACCESS G.BOX (STRT) TEMP DEG.C | 6-27 ACCESS G.BOX (STRT) TEMP DEG.C |
|------|-------|-----------|-----------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|-------------------------------------|
| 197 | 85 | | 41 | -31 | -29 | -28 | -27 | -19 | -25 | -20 | -23 | 5 | 0 |
| 198 | 86 | | 41 | -32 | -32 | -28 | -26 | -20 | -24 | -6 | -20 | 5 | 0 |
| 199 | 86 | | 41 | -30 | -30 | -31 | -30 | -21 | -19 | 9 | -19 | 7 | 0 |
| 200 | 86 | | 41 | -29 | -29 | -29 | -28 | -22 | -18 | 17 | -18 | 6 | 0 |
| 201 | 87 | | 20 | -30 | -29 | -31 | -28 | -22 | -20 | 5 | -18 | 6 | 0 |
| 202 | 87 | | 20 | -32 | -31 | -31 | -30 | -24 | -19 | -17 | -19 | 6 | -2 |
| 203 | 87 | | 40 | -32 | -32 | -32 | -31 | -20 | -24 | -6 | -21 | 6 | -0 |
| 204 | 88 | | 0 | -33 | -32 | -32 | -31 | -19 | -25 | 0 | -20 | 5 | 0 |
| 205 | 88 | | 20 | -32 | -33 | -32 | -31 | -19 | -26 | -1 | -21 | 5 | 0 |
| 206 | 88 | | 40 | -32 | -32 | -32 | -31 | -19 | -25 | -2 | -20 | 5 | 0 |
| 207 | 89 | | 0 | -32 | -32 | -32 | -30 | -18 | -24 | -4 | -20 | 5 | 0 |
| 208 | 89 | | 20 | -31 | -31 | -31 | -30 | -18 | -24 | -1 | -19 | 6 | 0 |
| 209 | 89 | | 40 | -32 | -32 | -32 | -30 | -19 | -24 | -5 | -21 | 5 | 0 |
| 210 | 90 | | 0 | -33 | -33 | -32 | -30 | -2 | -26 | -2 | -20 | 5 | 0 |
| 211 | 90 | | 19 | -33 | -34 | -32 | -30 | -19 | -28 | -3 | -22 | 5 | 1 |
| 212 | 90 | | 39 | -34 | -34 | -32 | -31 | -19 | -29 | 1 | -22 | 5 | 1 |
| 213 | 90 | | 59 | -34 | -34 | -32 | -31 | -19 | -26 | 1 | -22 | 5 | 1 |
| 214 | 91 | | 19 | -32 | -33 | -31 | -31 | -19 | -26 | 0 | -20 | 6 | 1 |
| 215 | 91 | | 39 | -32 | -32 | -32 | -31 | -18 | -26 | -0 | -20 | 6 | 1 |
| 216 | 91 | | 59 | -30 | -30 | -31 | -30 | -16 | -24 | 0 | -20 | 6 | 1 |
| 217 | 92 | | 19 | -29 | -29 | -31 | -30 | -16 | -24 | -2 | -20 | 7 | 1 |
| 218 | 92 | | 39 | -27 | -29 | -31 | -30 | -17 | -20 | 3 | -15 | 7 | 2 |
| 219 | 92 | | 58 | -29 | -28 | -30 | -30 | -16 | -21 | 0 | -17 | 7 | 2 |
| 220 | 93 | | 18 | -29 | -30 | -30 | -30 | -16 | -20 | 1 | -17 | 7 | 2 |
| 221 | 93 | | 38 | -29 | -30 | -29 | -30 | -16 | -26 | -8 | -21 | 6 | 2 |
| 222 | 93 | | 58 | -31 | -31 | -30 | -30 | -18 | -28 | -18 | -23 | 6 | 1 |
| 223 | 94 | | 18 | -32 | -32 | -29 | -29 | -18 | -20 | -20 | -22 | 6 | 1 |
| 224 | 94 | | 38 | -32 | -31 | -26 | -28 | -18 | -26 | -20 | -23 | 6 | 1 |
| 225 | 94 | | 57 | -33 | -30 | -25 | -28 | -18 | -25 | -22 | -22 | 6 | 1 |
| 226 | 95 | | 17 | -32 | -30 | -27 | -28 | -17 | -26 | -20 | -22 | 6 | 1 |
| 227 | 95 | | 37 | -32 | -31 | -27 | -26 | -18 | -25 | -20 | -23 | 6 | 1 |
| 228 | 95 | | 57 | -32 | -31 | -26 | -27 | -18 | -23 | -21 | -22 | 6 | 1 |
| 229 | 96 | | 16 | -32 | -31 | -27 | -27 | -18 | -25 | -21 | -23 | 6 | 0 |
| 230 | 96 | | 36 | -32 | -32 | -28 | -27 | -18 | -25 | -20 | -23 | 6 | 0 |
| 231 | 96 | | 56 | -32 | -31 | -27 | -27 | -19 | -25 | -20 | -23 | 6 | 0 |
| 232 | 97 | | 16 | -32 | -31 | -27 | -28 | -18 | -26 | -21 | -21 | 6 | 0 |
| 233 | 97 | | 35 | -31 | -30 | -27 | -27 | -22 | -26 | -10 | -22 | 6 | 1 |
| 234 | 97 | | 55 | -28 | -27 | -26 | -26 | -21 | -24 | -5 | -22 | 6 | 1 |
| 235 | 98 | | 15 | -27 | -27 | -25 | -25 | -20 | -24 | -3 | -20 | 6 | 2 |
| 236 | 98 | | 35 | -26 | -27 | -25 | -26 | -19 | -25 | -3 | -20 | 6 | 2 |
| 237 | 98 | | 55 | -26 | -26 | -24 | -24 | -18 | -20 | -1 | -17 | 7 | 2 |
| 238 | 99 | | 15 | -26 | -27 | -24 | -26 | -15 | -22 | -1 | -17 | 7 | 2 |
| 239 | 99 | | 34 | -26 | -26 | -24 | -27 | -14 | -22 | -1 | -17 | 7 | 2 |
| 240 | 99 | | 54 | -28 | -28 | -28 | -28 | -14 | -22 | -1 | -18 | 7 | 2 |
| 241 | 100 | | 14 | -30 | -30 | -29 | -29 | -15 | -24 | -0 | -19 | 7 | 2 |
| 242 | 100 | | 34 | -30 | -31 | -31 | -30 | -16 | -24 | 0 | -20 | 6 | 3 |
| 243 | 100 | | 54 | -31 | -32 | -30 | -30 | -16 | -25 | -2 | -20 | 6 | 3 |
| 244 | 101 | | 14 | -32 | -31 | -30 | -30 | -15 | -24 | -2 | -20 | 7 | 3 |
| 245 | 101 | | 33 | -32 | -33 | -31 | -31 | -15 | -27 | -4 | -21 | 7 | 3 |
| 246 | 101 | | 53 | -33 | -34 | -32 | -30 | -17 | -27 | -0 | -21 | 7 | 3 |

| -01 SHEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-17 ENG.1 INFLT LIP SURF. 3.15 DEG.C | 6-19 ENG.1 INFLT LIP SURF. 5.00 DEG.C | 6-20 ENG.1 INFLT LIP SURF. 6.00 DEG.C | 6-21 ENG.1 COMPT UPPER FWD AIRTMP DEG.C | 6-22 ENG.1 COMPT LOWER FWD AIRTMP DEG.C | 6-23 ENG.1 COMPT UPPER AFT AIRTMP DEG.C | 6-24 ENG.1 COMPT LOWER AFT AIRTMP DEG.C | 6-25 ENG.1 ACCESS G.BOX (ISTR) | 6-27 ENG.2 ACCESS G.BOX (ISTR) TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|---|---|---|---|--|---|
| 247 | 102 | 13 | -32 | -31 | -29 | -17 | -24 | -11 | -20 | 7 | 4 |
| 248 | 102 | 33 | -31 | -30 | -29 | -17 | -23 | -3 | -20 | 7 | 3 |
| 249 | 102 | 53 | -29 | -28 | -26 | -17 | -23 | -4 | -19 | 7 | 4 |
| 250 | 103 | 12 | -27 | -24 | -24 | -15 | -23 | 0 | -19 | 6 | 4 |
| 251 | 103 | 32 | -24 | -21 | -22 | -14 | -21 | 2 | -16 | 6 | 4 |
| 252 | 103 | 52 | -24 | -26 | -26 | -14 | -24 | 1 | -18 | 7 | 5 |
| 253 | 104 | 12 | -29 | -29 | -28 | -15 | -24 | 2 | -20 | 7 | 5 |
| 254 | 104 | 31 | -28 | -29 | -28 | -16 | -25 | 2 | -20 | 8 | 5 |
| 255 | 104 | 51 | -29 | -30 | -29 | -16 | -24 | -0 | -20 | 7 | 5 |
| 256 | 105 | 11 | -30 | -30 | -29 | -16 | -24 | -0 | -20 | 7 | 5 |
| 257 | 105 | 31 | -32 | -30 | -28 | -16 | -25 | -0 | -20 | 8 | 5 |
| 258 | 105 | 51 | -32 | -32 | -29 | -16 | -25 | -2 | -19 | 8 | 5 |
| 259 | 106 | 10 | -33 | -32 | -30 | -17 | -25 | -2 | -20 | 8 | 4 |
| 260 | 106 | 30 | -33 | -32 | -30 | -18 | -26 | 1 | -20 | 7 | 4 |
| 261 | 106 | 50 | -32 | -31 | -30 | -18 | -24 | 2 | -20 | 8 | 4 |
| 262 | 107 | 10 | -32 | -30 | -29 | -18 | -25 | -0 | -20 | 8 | 4 |
| 263 | 107 | 30 | -31 | -30 | -30 | -17 | -25 | -4 | -20 | 7 | 6 |
| 264 | 107 | 49 | -32 | -30 | -29 | -17 | -24 | 3 | -20 | 8 | 6 |
| 265 | 108 | 9 | -29 | -28 | -27 | -17 | -24 | 7 | -20 | 9 | 4 |
| 266 | 108 | 29 | -26 | -24 | -25 | -19 | -15 | 19 | -14 | 10 | 4 |
| 269 | 109 | 28 | -25 | -24 | -24 | -19 | -19 | 21 | -15 | 9 | 4 |
| 270 | 109 | 48 | -25 | -25 | -25 | -19 | -18 | 19 | -15 | 8 | 3 |
| 271 | 110 | 8 | -26 | -26 | -26 | -20 | -17 | 19 | -16 | 6 | 2 |
| 272 | 110 | 27 | -28 | -29 | -28 | -22 | -19 | 6 | -18 | 8 | 2 |
| 273 | 110 | 47 | -32 | -32 | -32 | -26 | -20 | -20 | -20 | 8 | 2 |
| 274 | 111 | 7 | -34 | -32 | -31 | -24 | -24 | -18 | -22 | 7 | 1 |
| 275 | 111 | 26 | -32 | -30 | -29 | -24 | -26 | -7 | -22 | 7 | 1 |
| 276 | 111 | 46 | -33 | -29 | -25 | -23 | -26 | -19 | -23 | 7 | 1 |
| 277 | 112 | 6 | -28 | -27 | -23 | -19 | -22 | -16 | -16 | 4 | 2 |
| 278 | 112 | 22 | -24 | -14 | -12 | -13 | -12 | -13 | -9 | 4 | 2 |
| 279 | 112 | 45 | -24 | -20 | -21 | -17 | -19 | -14 | -16 | 3 | 2 |
| 280 | 113 | 5 | -27 | -24 | -24 | -17 | -22 | -16 | -20 | 7 | 2 |
| 281 | 113 | 25 | -27 | -24 | -24 | -19 | -19 | -15 | -20 | 8 | 2 |
| 282 | 113 | 44 | -31 | -30 | -30 | -16 | -25 | -18 | -25 | 8 | 2 |
| 283 | 114 | 4 | -32 | -32 | -32 | -19 | -26 | -18 | -25 | 7 | 2 |
| 284 | 114 | 24 | -32 | -31 | -32 | -19 | -27 | -18 | -25 | 7 | 2 |
| 285 | 114 | 44 | -32 | -31 | -32 | -19 | -27 | -18 | -25 | 7 | 2 |
| 286 | 115 | 3 | -24 | -21 | -20 | -14 | -17 | -12 | -13 | 9 | 4 |
| 287 | 115 | 23 | -27 | -25 | -24 | -15 | -24 | -16 | -20 | 8 | 3 |
| 288 | 115 | 43 | -24 | -24 | -27 | -16 | -26 | -18 | -23 | 7 | 3 |
| 289 | 116 | 2 | -30 | -29 | -28 | -17 | -28 | -20 | -24 | 7 | 2 |
| 290 | 116 | 22 | -28 | -28 | -28 | -16 | -26 | -19 | -23 | 7 | 2 |
| 291 | 116 | 42 | -30 | -30 | -29 | -16 | -28 | -21 | -24 | 7 | 3 |
| 292 | 117 | 1 | -32 | -30 | -30 | -16 | -29 | -21 | -25 | 7 | 2 |
| 293 | 117 | 21 | -32 | -30 | -29 | -15 | -27 | -17 | -24 | 8 | 4 |
| 294 | 117 | 40 | -32 | -30 | -29 | -15 | -27 | -17 | -24 | 8 | 4 |
| 295 | 118 | 6 | -31 | -30 | -28 | -1 | -28 | 28 | -23 | 9 | 5 |
| 296 | 118 | 19 | -31 | -30 | -28 | 3 | -28 | 26 | -23 | 9 | 6 |
| 297 | 118 | 19 | -30 | -30 | -28 | 4 | -29 | 26 | -22 | 9 | 6 |
| 298 | 118 | 58 | -30 | -30 | -28 | 4 | -29 | 25 | -21 | 10 | 6 |

| 6-02 | 6-03 | 6-17 | 6-18 | 6-19 | 6-20 | 6-21 | 6-22 | 6-23 | 6-24 | 6-25 | 6-27 |
|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| TIME | TIME | ENG. 1 | ENG. 1 | ENG. 1 | ENG. 1 | ENG. 1 | ENG. 1 | ENG. 1 | ENG. 1 | ENG. 1 | ENG. 2 |
| MIN. | SEC. | INLET | INLET | INLET | INLET | COMPRT | COMPRT | COMPRT | COMPRT | ACCESS | ACCESS |
| | | LIP | LIP | LIP | LIP | UPPER | LOWER | UPPER | LOWER | G. BOX | G. BOX |
| | | SURF. | SURF. | SURF. | SURF. | AFT | FWD | AFT | AFT | (STR) | (STR) |
| | | 3.15 | 4.00 | 5.00 | 5.00 | ENG | ENG | AIRTMP | AIRTMP | TEMP | TEMP |
| | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 299 | 11 | -30 | -30 | -34 | -29 | 4 | -28 | 24 | -21 | 10 | 6 |
| 300 | 119 | -30 | -30 | -29 | -28 | 3 | -29 | 25 | -21 | 11 | 7 |
| 301 | 57 | -29 | -30 | -29 | -29 | 1 | -29 | 25 | -20 | 11 | 7 |
| 302 | 17 | -29 | -30 | -30 | -29 | 2 | -28 | 24 | -20 | 11 | 7 |
| 303 | 36 | -29 | -30 | -29 | -28 | 2 | -29 | 22 | -20 | 11 | 7 |
| 304 | 120 | -29 | -30 | -29 | -28 | 2 | -29 | 20 | -21 | 11 | 8 |
| 305 | 120 | -28 | -29 | -28 | -28 | 2 | -29 | 20 | -20 | 11 | 8 |
| 306 | 121 | -28 | -29 | -28 | -28 | 2 | -29 | 18 | -21 | 11 | 8 |
| 307 | 35 | -28 | -29 | -28 | -28 | 2 | -27 | 17 | -20 | 12 | 8 |
| 308 | 54 | -27 | -28 | -28 | -28 | 3 | -26 | 17 | -20 | 12 | 9 |
| 309 | 14 | -27 | -28 | -28 | -28 | 3 | -26 | 16 | -19 | 13 | 9 |
| 310 | 33 | -27 | -28 | -27 | -27 | 3 | -27 | 16 | -19 | 13 | 9 |
| 311 | 53 | -27 | -28 | -28 | -27 | 3 | -27 | 18 | -19 | 13 | 9 |
| 312 | 13 | -27 | -28 | -27 | -27 | 3 | -27 | 18 | -19 | 13 | 9 |

HP-53C S/N 68-17854
 ARCTIC TEST
 21 JANUARY 1971
 RUN NO. 7 -42 DEG C / -43 DEG F

| -01 SWEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-26 ENG#2 ACCESS 5-BOX (IF PR) TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|
| 1 | 3 | 6 | -1A |
| 2 | 3 | 27 | -1A |
| 3 | 3 | 47 | -1A |
| 4 | 4 | 8 | -1A |
| 5 | 4 | 28 | -1A |
| 6 | 4 | 48 | -1A |
| 7 | 5 | 9 | -1A |
| 8 | 5 | 30 | -1A |
| 9 | 5 | 50 | -1A |
| 10 | 6 | 10 | -1A |
| 11 | 6 | 31 | -1A |
| 12 | 5 | 51 | -1A |
| 13 | 7 | 12 | -1A |
| 14 | 7 | 32 | -1A |
| 15 | 7 | 52 | -1A |
| 16 | 8 | 13 | -1A |
| 17 | 8 | 33 | -1A |
| 18 | 8 | 53 | -1A |
| 19 | 9 | 14 | -1A |
| 20 | 9 | 34 | -1A |
| 21 | 9 | 54 | -1A |
| 22 | 10 | 14 | -1A |
| 23 | 10 | 35 | -1A |
| 24 | 10 | 55 | -1A |
| 25 | 11 | 15 | -1A |
| 26 | 11 | 35 | -1A |
| 27 | 11 | 56 | -1A |
| 28 | 12 | 16 | -1A |
| 29 | 12 | 36 | -1A |
| 30 | 12 | 56 | -1A |
| 31 | 13 | 16 | -1A |
| 32 | 13 | 37 | -1A |
| 33 | 13 | 57 | -1A |
| 34 | 14 | 17 | -1A |
| 35 | 14 | 37 | -1A |
| 36 | 14 | 57 | -1A |
| 37 | 15 | 18 | -1A |
| 38 | 15 | 38 | -1A |
| 39 | 15 | 58 | -1A |
| 40 | 16 | 18 | -1A |
| 41 | 16 | 38 | -1A |
| 42 | 16 | 58 | -1A |
| 43 | 17 | 18 | -1A |
| 44 | 17 | 39 | -1A |
| 45 | 17 | 59 | -1A |

| REF COUNT | 6-03 TIME MIN. | 7-03 TIME SEC. | 6-24 EMG.2 ACCESS 5.90V (F FB) TEMP DEG.C |
|--------------|----------------------|----------------------|---|
| 46 | 19 | 19 | 27 |
| 47 | 19 | 39 | 29 |
| 48 | 18 | 59 | 31 |
| 49 | 19 | 19 | 32 |
| 50 | 19 | 39 | 34 |
| 51 | 19 | 59 | 35 |
| 52 | 20 | 19 | 35 |
| 53 | 20 | 39 | 35 |
| 54 | 21 | 0 | 35 |
| 55 | 21 | 20 | 35 |
| 56 | 21 | 40 | 35 |
| 57 | 22 | 0 | 35 |
| 58 | 22 | 20 | 31 |
| 59 | 22 | 40 | 30 |
| 60 | 23 | 0 | 32 |
| 61 | 23 | 20 | 34 |
| 62 | 23 | 40 | 33 |
| 63 | 24 | 1 | 33 |
| 64 | 24 | 21 | 32 |
| 65 | 25 | 30 | 34 |
| 66 | 25 | 50 | 33 |
| 67 | 26 | 10 | 33 |
| 68 | 28 | 8 | 34 |
| 69 | 30 | 33 | 33 |
| 70 | 31 | 6 | 34 |
| 71 | 31 | 26 | 34 |
| 72 | 31 | 47 | 34 |
| 73 | 32 | 45 | 35 |
| 74 | 33 | 6 | 35 |
| 75 | 33 | 26 | 35 |
| 76 | 33 | 46 | 36 |
| 77 | 34 | 5 | 35 |
| 78 | 34 | 27 | 34 |
| 79 | 34 | 47 | 35 |
| 80 | 35 | 7 | 37 |
| 81 | 35 | 27 | 37 |
| 82 | 35 | 47 | 35 |
| 83 | 36 | 7 | 34 |
| 84 | 36 | 28 | 36 |
| 85 | 36 | 45 | 35 |
| 86 | 37 | 8 | 35 |
| 87 | 37 | 28 | 36 |
| 88 | 37 | 48 | 37 |
| 89 | 38 | 8 | 37 |
| 90 | 38 | 28 | 37 |
| 91 | 38 | 48 | 36 |
| 92 | 39 | 9 | 37 |
| 93 | 39 | 29 | 38 |
| 94 | 39 | 49 | 38 |
| 95 | 40 | 9 | 38 |

| -01 SWEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-28 ENG.2 ACCESS G.ROX (F FR) TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|
| 96 | 40 | 4 | 39 |
| 97 | 41 | 29 | 4 |
| 99 | 41 | 29 | 38 |
| 100 | 41 | 49 | 38 |
| 101 | 42 | 9 | 38 |
| 102 | 42 | 29 | 39 |
| 103 | 42 | 49 | 39 |
| 104 | 43 | 9 | 38 |
| 105 | 43 | 29 | 38 |
| 106 | 43 | 49 | 38 |
| 107 | 44 | 9 | 39 |
| 108 | 44 | 29 | 38 |
| 109 | 44 | 49 | 38 |
| 110 | 45 | 10 | 38 |
| 111 | 45 | 30 | 37 |
| 112 | 45 | 50 | 39 |
| 113 | 46 | 10 | 39 |
| 114 | 46 | 30 | 39 |
| 115 | 49 | 16 | 41 |
| 116 | 49 | 36 | 41 |
| 117 | 49 | 55 | 41 |
| 118 | 51 | 54 | 41 |
| 119 | 52 | 14 | 41 |
| 120 | 52 | 35 | 41 |
| 121 | 54 | 33 | 42 |
| 122 | 54 | 55 | 42 |
| 123 | 55 | 15 | 39 |
| 124 | 56 | 32 | 39 |
| 125 | 56 | 53 | 39 |
| 126 | 57 | 13 | 40 |
| 127 | 57 | 33 | 41 |
| 128 | 57 | 53 | 41 |
| 129 | 58 | 13 | 41 |
| 130 | 58 | 33 | 41 |
| 131 | 58 | 53 | 42 |
| 132 | 59 | 13 | 42 |
| 133 | 59 | 33 | 42 |
| 134 | 59 | 53 | 42 |
| 135 | 60 | 13 | 42 |
| 136 | 60 | 33 | 41 |
| 137 | 60 | 53 | 41 |
| 138 | 61 | 12 | 40 |
| 139 | 61 | 32 | 41 |
| 140 | 62 | 31 | 42 |
| 141 | 62 | 50 | 41 |
| 142 | 63 | 10 | 41 |
| 143 | 65 | 10 | 37 |
| 144 | 65 | 30 | 36 |
| 145 | 65 | 50 | 35 |
| 146 | 66 | 10 | 35 |

| 01 SAMP COUNT | 02 TIME MIN. | 03 TIME SEC. | 04 G-78 ERG-2 ACCESS G-90X (F,FR) TEMP DEG.C |
|---------------------|--------------------|--------------------|---|
| 147 | 67 | 7 | 35 |
| 148 | 67 | 26 | 36 |
| 149 | 67 | 46 | 36 |
| 150 | 68 | 5 | 36 |
| 151 | 68 | 25 | 35 |
| 152 | 68 | 45 | 32 |
| 153 | 69 | 5 | 31 |
| 154 | 69 | 24 | 31 |
| 155 | 69 | 44 | 31 |
| 156 | 70 | 4 | 34 |
| 157 | 70 | 24 | 31 |
| 158 | 70 | 44 | 30 |
| 159 | 71 | 4 | 30 |
| 160 | 71 | 24 | 29 |
| 161 | 71 | 43 | 28 |
| 162 | 72 | 3 | 29 |
| 163 | 72 | 27 | 29 |
| 164 | 72 | 48 | 33 |
| 165 | 73 | 3 | 35 |
| 166 | 73 | 23 | 35 |
| 167 | 73 | 43 | 37 |
| 168 | 74 | 3 | 35 |
| 169 | 74 | 23 | 32 |
| 170 | 74 | 43 | 33 |
| 171 | 75 | 3 | 34 |
| 172 | 75 | 23 | 34 |
| 173 | 75 | 43 | 34 |
| 174 | 76 | 3 | 32 |
| 175 | 76 | 24 | 27 |
| 176 | 78 | 43 | 31 |
| 177 | 79 | 3 | 34 |
| 178 | 79 | 23 | 35 |
| 179 | 79 | 43 | 34 |
| 180 | 80 | 3 | 34 |
| 181 | 80 | 23 | 37 |
| 182 | 80 | 43 | 38 |
| 183 | 81 | 3 | 39 |
| 184 | 81 | 23 | 38 |
| 185 | 81 | 43 | 38 |
| 186 | 82 | 3 | 38 |
| 187 | 82 | 22 | 38 |
| 188 | 82 | 42 | 38 |
| 189 | 83 | 3 | 36 |
| 190 | 83 | 22 | 36 |
| 191 | 83 | 42 | 36 |
| 192 | 84 | 2 | 35 |
| 193 | 84 | 22 | 36 |
| 194 | 84 | 42 | 36 |
| 195 | 85 | 1 | 36 |
| 196 | 85 | 21 | 36 |

| -01 SWEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-28 ENG.2 ACCESS G.90X (F. FR) | TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---------------|
| 197 | 85 | 41 | | 36 |
| 198 | 86 | 1 | | 35 |
| 199 | 86 | 21 | | 32 |
| 200 | 86 | 41 | | 34 |
| 201 | 87 | 1 | | 33 |
| 202 | 87 | 20 | | 29 |
| 203 | 87 | 46 | | 34 |
| 204 | 88 | 0 | | 36 |
| 205 | 88 | 20 | | 37 |
| 206 | 88 | 40 | | 38 |
| 207 | 89 | 0 | | 38 |
| 208 | 89 | 20 | | 39 |
| 209 | 89 | 46 | | 37 |
| 210 | 90 | 0 | | 36 |
| 211 | 90 | 19 | | 35 |
| 212 | 90 | 39 | | 35 |
| 213 | 90 | 59 | | 38 |
| 214 | 91 | 19 | | 39 |
| 215 | 91 | 39 | | 39 |
| 216 | 91 | 59 | | 39 |
| 217 | 92 | 19 | | 39 |
| 218 | 92 | 39 | | 39 |
| 219 | 92 | 58 | | 39 |
| 220 | 93 | 18 | | 39 |
| 221 | 93 | 38 | | 38 |
| 222 | 93 | 58 | | 39 |
| 223 | 94 | 18 | | 38 |
| 224 | 94 | 38 | | 38 |
| 225 | 94 | 57 | | 38 |
| 226 | 95 | 17 | | 38 |
| 227 | 95 | 37 | | 39 |
| 228 | 95 | 57 | | 39 |
| 229 | 96 | 16 | | 37 |
| 230 | 96 | 36 | | 38 |
| 231 | 96 | 56 | | 38 |
| 232 | 97 | 16 | | 38 |
| 233 | 97 | 35 | | 37 |
| 234 | 97 | 55 | | 38 |
| 235 | 98 | 15 | | 39 |
| 236 | 98 | 35 | | 40 |
| 237 | 98 | 55 | | 38 |
| 238 | 99 | 15 | | 38 |
| 239 | 99 | 34 | | 38 |
| 240 | 99 | 54 | | 39 |
| 241 | 100 | 14 | | 39 |
| 242 | 100 | 34 | | 39 |
| 243 | 100 | 54 | | 40 |
| 244 | 101 | 14 | | 40 |
| 245 | 101 | 33 | | 40 |
| 246 | 101 | 53 | | 39 |

| -01 SWEEP COUNT | 6-02 TIME MIN. | 6-03 TIME SEC. | 6-24 ENG.2 ACCESS S.MOX (IF PR) | TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---------------|
| 247 | 102 | 13 | 41 | 41 |
| 248 | 102 | 33 | 41 | 41 |
| 249 | 102 | 53 | 41 | 41 |
| 250 | 103 | 12 | 42 | 42 |
| 251 | 103 | 32 | 41 | 41 |
| 252 | 103 | 52 | 43 | 43 |
| 253 | 104 | 12 | 42 | 42 |
| 254 | 104 | 31 | 44 | 44 |
| 255 | 104 | 51 | 42 | 42 |
| 256 | 105 | 11 | 43 | 43 |
| 257 | 105 | 31 | 41 | 41 |
| 258 | 105 | 51 | 40 | 40 |
| 259 | 106 | 10 | 40 | 40 |
| 260 | 106 | 30 | 41 | 41 |
| 261 | 106 | 50 | 41 | 41 |
| 262 | 107 | 10 | 42 | 42 |
| 263 | 107 | 30 | 47 | 47 |
| 264 | 107 | 49 | 47 | 47 |
| 265 | 108 | 9 | 35 | 35 |
| 266 | 108 | 29 | 36 | 36 |
| 268 | 109 | 28 | 36 | 36 |
| 270 | 109 | 48 | 35 | 35 |
| 271 | 110 | 8 | 34 | 34 |
| 272 | 110 | 27 | 32 | 32 |
| 273 | 110 | 47 | 30 | 30 |
| 274 | 111 | 7 | 33 | 33 |
| 275 | 111 | 26 | 36 | 36 |
| 276 | 111 | 46 | 36 | 36 |
| 277 | 112 | 6 | 39 | 39 |
| 278 | 112 | 22 | 40 | 40 |
| 279 | 112 | 45 | 39 | 39 |
| 280 | 113 | 5 | 40 | 40 |
| 281 | 113 | 25 | 37 | 37 |
| 282 | 113 | 44 | 38 | 38 |
| 283 | 114 | 4 | 39 | 39 |
| 284 | 114 | 24 | 40 | 40 |
| 285 | 114 | 44 | 41 | 41 |
| 286 | 115 | 3 | 41 | 41 |
| 287 | 115 | 23 | 39 | 39 |
| 288 | 115 | 43 | 39 | 39 |
| 289 | 116 | 2 | 39 | 39 |
| 290 | 116 | 22 | 39 | 39 |
| 291 | 116 | 42 | 40 | 40 |
| 292 | 117 | 1 | 39 | 39 |
| 293 | 117 | 21 | 41 | 41 |
| 294 | 117 | 40 | 42 | 42 |
| 295 | 118 | 0 | 41 | 41 |
| 296 | 118 | 19 | 40 | 40 |
| 297 | 118 | 39 | 39 | 39 |
| 298 | 118 | 58 | 38 | 38 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 6-03 TIME SEC. | 6-28 ENG-2 ACCESS G-BOX (F PR) TEMP REG-C |
|-----------------------|----------------------|----------------------|---|
| 299 | 119 | 18 | 36 |
| 300 | 119 | 36 | 35 |
| 301 | 119 | 57 | 34 |
| 302 | 120 | 17 | 33 |
| 303 | 120 | 36 | 32 |
| 304 | 120 | 56 | 32 |
| 305 | 121 | 15 | 30 |
| 306 | 121 | 35 | 30 |
| 307 | 121 | 54 | 29 |
| 308 | 122 | 14 | 28 |
| 310 | 122 | 33 | 26 |
| 311 | 122 | 53 | 27 |
| 312 | 123 | 13 | 27 |

| -01 SWEET COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C | 7-06 ENG.1 IGNIT EXCITR SKIN INRD DEG.C | 7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C | 7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C | 7-09 ENG.1 LUBE PUMP CASE TEMP DEG.C | 7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C | 7-11 ENG.1 COMPR CSE STG.2 4.30 DEG.C | 7-13 ENG.1 COMPR CSE STG.3 4.30 DEG.C | 7-14 ENG.1 COMPR CSE STG.3 6.00 DEG.C | 7-15 ENG.1 COMPR CSE STG.4 3.00 DEG.C |
|-----------------------|----------------------|----------------------|--|---|--|--|--|--|---|---|---|---|
| 46 | 18 | 21 | -9 | -11 | -13 | -23 | 46 | -8 | -2 | 6 | 8 | 15 |
| 47 | 19 | 41 | -9 | -12 | -12 | -14 | 46 | -7 | -1 | 11 | 16 | 15 |
| 48 | 19 | 1 | -8 | -12 | -12 | -21 | 45 | -8 | -2 | 18 | 15 | 19 |
| 49 | 19 | 22 | -8 | -11 | -13 | -22 | 45 | -8 | -1 | 8 | 12 | 18 |
| 50 | 19 | 42 | -8 | -11 | -13 | -13 | 47 | -8 | -2 | 11 | 15 | 19 |
| 51 | 20 | 2 | -9 | -11 | -12 | -22 | 47 | -8 | -2 | 19 | 11 | 18 |
| 52 | 20 | 22 | -7 | -11 | -13 | -23 | 44 | -8 | -3 | 10 | 10 | 17 |
| 53 | 20 | 42 | -7 | -11 | -12 | -22 | 48 | -8 | -4 | 6 | 18 | 16 |
| 54 | 21 | 2 | -7 | -10 | -13 | -23 | 48 | -8 | -4 | 7 | 9 | 16 |
| 55 | 21 | 22 | -8 | -10 | -11 | -22 | 48 | -7 | -3 | 12 | 9 | 19 |
| 56 | 21 | 42 | -7 | -10 | -12 | -22 | 47 | -8 | -1 | 10 | 18 | 19 |
| 57 | 22 | 2 | -7 | -9 | -12 | -23 | 46 | -7 | -1 | 9 | 9 | 17 |
| 58 | 22 | 22 | -7 | -10 | -12 | -24 | 46 | -9 | -1 | 13 | 19 | 21 |
| 59 | 22 | 43 | -5 | -9 | -12 | -21 | 48 | -11 | 0 | 23 | 21 | 29 |
| 60 | 23 | 3 | -5 | -7 | -9 | -19 | 48 | -13 | 1 | 24 | 22 | 31 |
| 61 | 23 | 23 | -3 | -7 | -10 | -16 | 48 | -12 | 4 | 31 | 27 | 36 |
| 62 | 23 | 43 | -7 | -6 | -9 | -15 | 48 | -12 | 6 | 33 | 31 | 36 |
| 63 | 24 | 3 | -1 | -6 | -9 | -15 | 48 | -11 | 8 | 35 | 31 | 39 |
| 64 | 24 | 23 | -1 | -5 | -7 | -14 | 48 | -12 | 12 | 34 | 38 | 41 |
| 65 | 25 | 32 | 0 | -2 | -7 | -14 | 48 | -12 | 15 | 36 | 32 | 41 |
| 66 | 25 | 52 | 1 | -3 | -5 | -13 | 48 | -13 | 15 | 36 | 32 | 42 |
| 67 | 26 | 12 | 2 | -1 | -6 | -14 | 48 | -12 | 15 | 36 | 32 | 42 |
| 68 | 28 | 10 | 4 | 0 | -3 | -14 | 48 | -12 | 15 | 37 | 32 | 42 |
| 69 | 30 | 48 | 7 | 1 | -3 | -16 | 49 | -12 | 7 | 30 | 25 | 38 |
| 70 | 31 | 9 | 7 | 0 | -3 | -16 | 48 | -12 | 9 | 30 | 26 | 36 |
| 71 | 31 | 29 | 7 | 1 | -3 | -16 | 48 | -14 | 9 | 38 | 26 | 35 |
| 72 | 31 | 49 | 7 | 1 | -3 | -16 | 48 | -14 | 10 | 32 | 29 | 36 |
| 73 | 32 | 48 | 7 | 2 | -2 | -14 | 49 | -14 | 10 | 37 | 32 | 40 |
| 74 | 33 | 8 | 7 | 2 | -1 | -14 | 49 | -14 | 12 | 37 | 33 | 42 |
| 75 | 33 | 29 | 7 | 2 | -1 | -13 | 49 | -13 | 12 | 37 | 33 | 42 |
| 76 | 33 | 49 | 8 | 3 | -1 | -13 | 49 | -13 | 13 | 38 | 34 | 43 |
| 77 | 34 | 9 | 8 | 4 | -1 | -13 | 48 | -13 | 14 | 38 | 34 | 44 |
| 78 | 34 | 29 | 9 | 4 | -1 | -13 | 49 | -13 | 14 | 38 | 33 | 44 |
| 79 | 34 | 49 | 10 | 4 | -1 | -13 | 49 | -13 | 15 | 40 | 36 | 46 |
| 80 | 35 | 10 | 9 | 4 | 0 | -11 | 49 | -12 | 15 | 40 | 36 | 46 |
| 81 | 35 | 30 | 9 | 5 | -0 | -13 | 48 | -12 | 16 | 41 | 38 | 48 |
| 82 | 35 | 50 | 10 | 4 | 0 | -12 | 48 | -12 | 16 | 41 | 36 | 46 |
| 83 | 36 | 10 | 11 | 5 | 0 | -12 | 49 | -12 | 16 | 41 | 37 | 48 |
| 84 | 36 | 30 | 11 | 6 | 0 | -12 | 50 | -12 | 16 | 41 | 38 | 48 |
| 85 | 36 | 50 | 12 | 6 | 0 | -13 | 49 | -12 | 16 | 41 | 36 | 48 |
| 86 | 37 | 10 | 11 | 6 | 0 | -14 | 49 | -12 | 15 | 40 | 36 | 48 |
| 87 | 37 | 30 | 12 | 6 | 0 | -13 | 49 | -12 | 15 | 40 | 36 | 48 |
| 88 | 37 | 51 | 11 | 7 | 0 | -12 | 49 | -12 | 16 | 39 | 36 | 47 |
| 89 | 38 | 11 | 12 | 7 | 0 | -12 | 49 | -11 | 16 | 40 | 36 | 46 |
| 90 | 38 | 31 | 12 | 7 | 1 | -13 | 49 | -10 | 16 | 40 | 36 | 46 |
| 91 | 38 | 51 | 12 | 7 | 1 | -13 | 49 | -10 | 17 | 41 | 37 | 47 |
| 92 | 39 | 11 | 13 | 8 | 2 | -11 | 49 | -10 | 17 | 41 | 37 | 47 |
| 93 | 39 | 31 | 13 | 8 | 2 | -11 | 49 | -10 | 17 | 41 | 37 | 47 |
| 94 | 39 | 51 | 13 | 8 | 2 | -11 | 49 | -10 | 19 | 42 | 38 | 48 |
| 95 | 40 | 11 | 13 | 8 | 3 | -11 | 49 | -10 | 19 | 43 | 48 | 48 |
| | | | | | | | 49 | -10 | 19 | 44 | 40 | 48 |

| -01 SREF COUNT | 7-02 | 7-03 | 7-05 | 7-06 | 7-07 | 7-08 | 7-09 | 7-10 | 7-11 | 7-13 | 7-14 | 7-15 |
|----------------------|--------------|--------------|--|---|--|---|--|--|---|---|---|---|
| | TIME MIN. | TIME SEC. | ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C | ENG.1 IGNIT EXCITR SKIN INBD DEG.C | ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C | ENG.1 FUEL CONTROL CASE TEMP DFG.C | ENG.1 LUBE PUMP CASE TEMP DFG.C | ENG.1 FUEL PUMP CASE TEMP DEG.C | ENG.1 COMPR CSE STG.2 4.30 DEG.C | ENG.1 COMPR CSE STG.3 4.30 DEG.C | ENG.1 COMPR CSE STG.3 4.30 DEG.C | ENG.1 COMPR CSE STG.4 3.88 DEG.C |
| 96 | 40 | 31 | 14 | 9 | 3 | -9 | 50 | -10 | 19 | 46 | 42 | 50 |
| 97 | 41 | 32 | 15 | 10 | 3 | -9 | 49 | -9 | 22 | 48 | 44 | 53 |
| 99 | 41 | 52 | 16 | 10 | 4 | -9 | 48 | -9 | 22 | 48 | 45 | 53 |
| 100 | 41 | 52 | 16 | 10 | 4 | -9 | 49 | -9 | 22 | 49 | 45 | 56 |
| 101 | 42 | 12 | 16 | 11 | 4 | -8 | 49 | -9 | 24 | 49 | 45 | 56 |
| 102 | 42 | 32 | 16 | 11 | 4 | -8 | 48 | -9 | 24 | 48 | 46 | 56 |
| 103 | 42 | 52 | 16 | 12 | 5 | -8 | 48 | -9 | 23 | 48 | 46 | 55 |
| 104 | 43 | 12 | 16 | 11 | 5 | -8 | 48 | -9 | 24 | 51 | 46 | 55 |
| 105 | 43 | 32 | 17 | 12 | 5 | -9 | 48 | -9 | 24 | 51 | 47 | 57 |
| 106 | 43 | 52 | 17 | 12 | 6 | -8 | 48 | -9 | 24 | 51 | 47 | 57 |
| 107 | 44 | 12 | 17 | 12 | 6 | -8 | 48 | -9 | 24 | 51 | 46 | 56 |
| 108 | 44 | 32 | 17 | 12 | 5 | -8 | 48 | -9 | 24 | 50 | 46 | 55 |
| 109 | 44 | 52 | 18 | 13 | 6 | -8 | 48 | -9 | 24 | 50 | 46 | 55 |
| 110 | 45 | 12 | 18 | 13 | 5 | -8 | 49 | -9 | 25 | 50 | 45 | 57 |
| 111 | 45 | 32 | 18 | 13 | 6 | -9 | 49 | -9 | 25 | 50 | 45 | 57 |
| 112 | 45 | 52 | 19 | 14 | 7 | -8 | 49 | -9 | 24 | 50 | 45 | 57 |
| 113 | 46 | 12 | 19 | 15 | 6 | -9 | 49 | -9 | 24 | 50 | 45 | 57 |
| 114 | 46 | 32 | 19 | 14 | 6 | -8 | 49 | -8 | 24 | 50 | 44 | 56 |
| 115 | 49 | 18 | 18 | 15 | 7 | -7 | 49 | -8 | 24 | 50 | 45 | 56 |
| 116 | 49 | 38 | 19 | 15 | 8 | -7 | 49 | -9 | 22 | 50 | 45 | 56 |
| 117 | 49 | 59 | 19 | 16 | 8 | -7 | 49 | -9 | 22 | 50 | 45 | 56 |
| 118 | 51 | 57 | 19 | 16 | 9 | -7 | 49 | -9 | 21 | 51 | 48 | 58 |
| 119 | 52 | 17 | 20 | 16 | 10 | -7 | 49 | -8 | 21 | 54 | 48 | 58 |
| 120 | 52 | 37 | 20 | 16 | 10 | -8 | 49 | -8 | 22 | 54 | 48 | 58 |
| 121 | 54 | 19 | 20 | 17 | 11 | -7 | 50 | -8 | 22 | 56 | 48 | 58 |
| 122 | 54 | 36 | 22 | 19 | 10 | -6 | 50 | -11 | 22 | 56 | 48 | 58 |
| 123 | 55 | 54 | 22 | 19 | 10 | -6 | 50 | -11 | 24 | 56 | 48 | 58 |
| 124 | 55 | 18 | 21 | 18 | 10 | -8 | 48 | -7 | 26 | 44 | 44 | 54 |
| 125 | 55 | 35 | 19 | 17 | 8 | -8 | 48 | -7 | 26 | 44 | 44 | 54 |
| 126 | 56 | 55 | 18 | 18 | 8 | -7 | 48 | -9 | 19 | 45 | 45 | 54 |
| 127 | 57 | 15 | 18 | 17 | 9 | -7 | 48 | -9 | 20 | 47 | 45 | 54 |
| 128 | 57 | 35 | 19 | 16 | 10 | -7 | 48 | -9 | 19 | 46 | 46 | 54 |
| 129 | 57 | 55 | 19 | 16 | 10 | -6 | 48 | -9 | 19 | 46 | 46 | 54 |
| 130 | 58 | 15 | 20 | 17 | 11 | -6 | 48 | -9 | 20 | 49 | 49 | 58 |
| 131 | 58 | 35 | 20 | 18 | 12 | -7 | 49 | -9 | 20 | 50 | 49 | 58 |
| 132 | 58 | 55 | 20 | 18 | 12 | -7 | 49 | -10 | 21 | 51 | 50 | 58 |
| 133 | 59 | 15 | 20 | 18 | 12 | -6 | 49 | -12 | 19 | 51 | 50 | 58 |
| 134 | 59 | 35 | 20 | 18 | 12 | -5 | 49 | -11 | 21 | 52 | 51 | 58 |
| 135 | 59 | 55 | 22 | 19 | 12 | -6 | 49 | -10 | 22 | 52 | 52 | 58 |
| 136 | 60 | 15 | 22 | 19 | 12 | -5 | 49 | -10 | 23 | 55 | 55 | 58 |
| 137 | 60 | 35 | 23 | 19 | 12 | -6 | 49 | -11 | 23 | 55 | 55 | 58 |
| 138 | 60 | 55 | 23 | 20 | 13 | -6 | 49 | -11 | 22 | 55 | 55 | 58 |
| 139 | 61 | 15 | 23 | 20 | 13 | -6 | 50 | -11 | 22 | 55 | 55 | 58 |
| 140 | 62 | 33 | 23 | 20 | 13 | -7 | 49 | -10 | 24 | 58 | 55 | 58 |
| 141 | 62 | 53 | 24 | 21 | 13 | -7 | 48 | -10 | 24 | 58 | 55 | 58 |
| 142 | 62 | 53 | 22 | 20 | 12 | -8 | 49 | -10 | 22 | 50 | 46 | 58 |
| 143 | 65 | 12 | 23 | 20 | 11 | -8 | 48 | -8 | 28 | 46 | 46 | 58 |
| 144 | 65 | 32 | 23 | 20 | 11 | -8 | 48 | -8 | 31 | 44 | 44 | 58 |
| 145 | 65 | 52 | 22 | 19 | 11 | -9 | 48 | -8 | 31 | 44 | 44 | 58 |
| 146 | 66 | 12 | 22 | 19 | 11 | -9 | 49 | -8 | 20 | 43 | 43 | 58 |
| | | | | | | | | | 20 | 42 | 42 | 58 |
| | | | | | | | | | 19 | 42 | 42 | 58 |

| SWEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-05 ENG-1 IGNIT EXCITR MOUNT TEMP DEG.C | 7-06 ENG-1 IGNIT EXCITR SKIN INBD DEG.C | 7-07 ENG-1 IGNIT EXCITR SKIN OUTDND NEG.C | 7-08 ENG-1 FUEL CONTROL CASE TEMP NEG.C | 7-09 ENG-1 LUBE PUMP CASE TEMP DEG.C | 7-10 ENG-1 FUEL PUMP CASE TEMP DEG.C | 7-11 ENG-1 COMPS CSE STG.2 4.30 DEG.C | 7-13 ENG-1 COMPS CSE STG.3 4.30 DEG.C | 7-14 ENG-1 COMPS CSE STG.3 4.30 DEG.C | 7-15 ENG-1 COMPS CSE STG.3 4.30 DEG.C |
|----------------|----------------------|----------------------|--|---|---|---|--|--|---|---|---|---|
| 147 | 67 | 9 | 22 | 20 | 11 | -9 | 49 | -6 | 17 | 29 | 31 | 43 |
| 148 | 67 | 29 | 18 | 19 | 10 | -11 | 49 | -4 | 13 | 20 | 26 | 32 |
| 149 | 67 | 48 | 17 | 19 | 10 | -12 | 48 | -4 | 9 | 20 | 26 | 32 |
| 150 | 68 | 8 | 16 | 17 | 8 | -13 | 48 | -3 | 6 | 14 | 19 | 24 |
| 151 | 68 | 27 | 14 | 16 | 7 | -13 | 48 | -4 | 3 | 14 | 19 | 24 |
| 152 | 68 | 47 | 14 | 15 | 8 | -15 | 48 | -5 | 3 | 22 | 24 | 28 |
| 153 | 69 | 7 | 14 | 14 | 6 | -17 | 48 | -6 | 6 | 22 | 28 | 33 |
| 154 | 69 | 27 | 15 | 13 | 4 | -20 | 48 | -9 | 9 | 16 | 14 | 18 |
| 155 | 69 | 47 | 14 | 11 | 4 | -21 | 48 | -8 | 3 | 16 | 14 | 18 |
| 156 | 70 | 7 | 13 | 18 | 2 | -22 | 48 | -8 | 2 | 13 | 14 | 14 |
| 157 | 70 | 26 | 13 | 18 | 2 | -22 | 48 | -9 | 1 | 16 | 14 | 14 |
| 158 | 70 | 46 | 13 | 18 | 2 | -22 | 48 | -9 | 0 | 16 | 14 | 14 |
| 159 | 71 | 6 | 14 | 9 | 2 | -21 | 48 | -11 | 0 | 14 | 14 | 14 |
| 160 | 71 | 26 | 14 | 9 | 2 | -22 | 48 | -10 | 0 | 13 | 15 | 15 |
| 161 | 71 | 46 | 14 | 8 | 2 | -22 | 48 | -11 | 0 | 12 | 15 | 15 |
| 162 | 72 | 6 | 13 | 8 | 1 | -23 | 48 | -11 | 0 | 13 | 15 | 15 |
| 163 | 72 | 26 | 13 | 7 | 1 | -22 | 48 | -11 | 0 | 15 | 17 | 18 |
| 164 | 72 | 46 | 12 | 6 | 1 | -20 | 48 | -11 | 1 | 22 | 23 | 24 |
| 165 | 73 | 6 | 12 | 7 | 0 | -18 | 48 | -12 | 3 | 26 | 28 | 29 |
| 166 | 73 | 26 | 12 | 6 | 0 | -28 | 48 | -12 | 5 | 26 | 29 | 30 |
| 167 | 73 | 46 | 12 | 6 | 1 | -16 | 48 | -12 | 6 | 29 | 30 | 31 |
| 168 | 74 | 6 | 12 | 6 | 0 | -19 | 48 | -12 | 6 | 28 | 30 | 31 |
| 169 | 74 | 26 | 12 | 7 | 0 | -20 | 49 | -13 | 6 | 27 | 29 | 30 |
| 170 | 74 | 45 | 12 | 8 | 1 | -18 | 48 | -13 | 6 | 27 | 29 | 30 |
| 171 | 75 | 5 | 13 | 8 | 2 | -17 | 49 | -13 | 7 | 28 | 30 | 31 |
| 172 | 75 | 25 | 13 | 9 | 1 | -17 | 48 | -13 | 7 | 28 | 30 | 31 |
| 173 | 75 | 45 | 13 | 10 | 2 | -16 | 49 | -12 | 9 | 32 | 33 | 34 |
| 174 | 76 | 5 | 13 | 6 | 2 | -15 | 48 | -11 | 8 | 32 | 33 | 34 |
| 175 | 76 | 26 | 13 | 4 | -0 | -23 | 48 | -12 | 8 | 44 | 46 | 47 |
| 176 | 78 | 46 | 12 | 5 | 8 | -21 | 49 | -11 | 1 | 18 | 19 | 20 |
| 177 | 79 | 6 | 12 | 5 | 6 | -21 | 46 | -11 | 2 | 27 | 28 | 29 |
| 178 | 79 | 26 | 12 | 5 | -0 | -21 | 48 | -13 | 3 | 24 | 26 | 27 |
| 179 | 79 | 46 | 12 | 4 | -0 | -21 | 49 | -12 | 2 | 25 | 27 | 28 |
| 180 | 80 | 6 | 11 | 4 | -1 | -21 | 48 | -12 | 3 | 25 | 27 | 28 |
| 181 | 80 | 26 | 11 | 4 | -0 | -18 | 58 | -12 | 3 | 25 | 27 | 28 |
| 182 | 80 | 45 | 11 | 4 | -0 | -19 | 49 | -12 | 4 | 28 | 30 | 31 |
| 183 | 81 | 5 | 11 | 5 | -0 | -16 | 49 | -11 | 6 | 27 | 29 | 30 |
| 184 | 81 | 25 | 11 | 4 | 0 | -20 | 48 | -10 | 5 | 22 | 24 | 25 |
| 185 | 81 | 45 | 9 | 3 | -1 | -20 | 48 | -9 | 3 | 13 | 16 | 17 |
| 186 | 82 | 5 | 9 | 2 | -1 | -22 | 48 | -7 | 0 | 11 | 13 | 14 |
| 187 | 82 | 25 | 8 | 2 | -2 | -21 | 49 | -7 | 0 | 9 | 11 | 12 |
| 188 | 82 | 45 | 7 | 1 | -2 | -21 | 48 | -7 | -1 | 9 | 11 | 12 |
| 189 | 83 | 5 | 7 | 1 | -2 | -21 | 49 | -7 | -1 | 10 | 12 | 13 |
| 190 | 83 | 24 | 6 | 1 | -2 | -21 | 48 | -7 | -1 | 10 | 12 | 13 |
| 191 | 83 | 44 | 6 | 1 | -2 | -21 | 48 | -6 | -0 | 11 | 13 | 14 |
| 192 | 84 | 4 | 5 | 1 | -2 | -20 | 48 | -7 | -0 | 12 | 14 | 15 |
| 193 | 84 | 24 | 5 | 1 | -3 | -20 | 48 | -6 | 0 | 11 | 13 | 14 |
| 194 | 84 | 44 | 4 | 1 | -3 | -20 | 48 | -6 | 0 | 11 | 13 | 14 |
| 195 | 85 | 4 | 4 | 0 | -3 | -20 | 48 | -6 | 0 | 11 | 13 | 14 |
| 196 | 85 | 24 | 4 | 0 | -3 | -21 | 48 | -6 | 0 | 10 | 12 | 13 |

| 7-01 | 7-02 | 7-03 | 7-05 | 7-06 | 7-07 | 7-08 | 7-09 | 7-10 | 7-11 | 7-13 | 7-14 | 7-15 |
|----------------|--------------|--------------|--|---|--|--|--|--|--|--|--|--|
| SWEEP COUNT | TIME MIN. | TIME SEC. | ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C | ENG.1 IGNIT EXCITR SKIN INBD DEG.C | ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C | ENG.1 FUEL CONTRL CASE TEMP DEG.C | ENG.1 LUBE PUMP CASE TEMP DEG.C | ENG.1 FUEL PUMP CASE TEMP DEG.C | ENG.1 COMPR CASE STG.2 4.30 DEG.C | ENG.1 COMPR CASE STG.3 4.30 DEG.C | ENG.1 COMPR CASE STG.3 6.00 DEG.C | ENG.1 COMPR CASE STG.4 1.00 DEG.C |
| 197 | 85 | 44 | 3 | 0 | -3 | -19 | 48 | -7 | -0 | 12 | 13 | 21 |
| 198 | 86 | 3 | 3 | 0 | -3 | -21 | 47 | -8 | 0 | 22 | 25 | 30 |
| 199 | 86 | 23 | 4 | 1 | -2 | -21 | 46 | -8 | 2 | 25 | 29 | 33 |
| 200 | 86 | 43 | 5 | 2 | -2 | -18 | 46 | -10 | 3 | 26 | 24 | 34 |
| 201 | 87 | 3 | 6 | 2 | -2 | -17 | 48 | -9 | 6 | 23 | 20 | 33 |
| 202 | 87 | 23 | 6 | 1 | -2 | -20 | 48 | -9 | 6 | 16 | 16 | 29 |
| 203 | 87 | 43 | 6 | 1 | -2 | -21 | 49 | -9 | 3 | 23 | 27 | 32 |
| 204 | 88 | 2 | 6 | 6 | -3 | -20 | 49 | -10 | 4 | 24 | 27 | 33 |
| 205 | 88 | 22 | 6 | 0 | -3 | -21 | 49 | -11 | 4 | 24 | 29 | 33 |
| 206 | 88 | 42 | 6 | 0 | -3 | -20 | 48 | -11 | 4 | 25 | 29 | 35 |
| 207 | 89 | 2 | 6 | 0 | -3 | -18 | 48 | -11 | 4 | 26 | 30 | 38 |
| 208 | 89 | 22 | 6 | 0 | -3 | -19 | 49 | -12 | 5 | 27 | 31 | 38 |
| 209 | 89 | 42 | 6 | 0 | -4 | -21 | 49 | -11 | 4 | 25 | 29 | 38 |
| 210 | 90 | 2 | 5 | 1 | -4 | -21 | 49 | -11 | 4 | 24 | 29 | 38 |
| 211 | 90 | 22 | 7 | 0 | -3 | -20 | 51 | -11 | 4 | 25 | 29 | 35 |
| 212 | 90 | 42 | 6 | 0 | -3 | -21 | 50 | -10 | 3 | 25 | 29 | 35 |
| 213 | 91 | 2 | 6 | 6 | -3 | -20 | 49 | -10 | 4 | 25 | 29 | 35 |
| 214 | 91 | 21 | 7 | 0 | -3 | -19 | 49 | -11 | 3 | 26 | 30 | 36 |
| 215 | 91 | 41 | 6 | 0 | -3 | -20 | 49 | -11 | 4 | 24 | 29 | 35 |
| 216 | 92 | 1 | 6 | 6 | -2 | -18 | 50 | -11 | 4 | 24 | 29 | 35 |
| 217 | 92 | 21 | 6 | 0 | -2 | -19 | 50 | -10 | 4 | 25 | 29 | 35 |
| 218 | 92 | 41 | 6 | 0 | -2 | -20 | 50 | -10 | 5 | 25 | 29 | 35 |
| 219 | 93 | 1 | 6 | 0 | -3 | -18 | 51 | -10 | 5 | 26 | 30 | 35 |
| 220 | 93 | 21 | 7 | 0 | -3 | -18 | 50 | -10 | 5 | 25 | 29 | 35 |
| 221 | 93 | 41 | 7 | 1 | -2 | -19 | 50 | -10 | 5 | 25 | 29 | 35 |
| 222 | 94 | 0 | 6 | 0 | -3 | -21 | 49 | -9 | 3 | 15 | 16 | 29 |
| 223 | 94 | 20 | 5 | 0 | -3 | -22 | 49 | -9 | 1 | 13 | 13 | 29 |
| 224 | 94 | 40 | 4 | 0 | -4 | -22 | 50 | -9 | 0 | 12 | 13 | 29 |
| 225 | 95 | 0 | 4 | 0 | -4 | -21 | 48 | -7 | 0 | 12 | 12 | 28 |
| 226 | 95 | 20 | 4 | 8 | -4 | -22 | 49 | -6 | 0 | 11 | 12 | 28 |
| 227 | 95 | 39 | 4 | 0 | -4 | -21 | 49 | -6 | -8 | 12 | 12 | 28 |
| 228 | 95 | 59 | 2 | 0 | -4 | -21 | 48 | -6 | -8 | 8 | 8 | 28 |
| 229 | 96 | 19 | 3 | 0 | -4 | -22 | 48 | -6 | -1 | 8 | 8 | 28 |
| 230 | 96 | 36 | 2 | 0 | -4 | -21 | 48 | -6 | -1 | 8 | 8 | 28 |
| 231 | 96 | 56 | 2 | -1 | -5 | -21 | 48 | -6 | -1 | 8 | 8 | 28 |
| 232 | 97 | 18 | 2 | -1 | -5 | -22 | 48 | -7 | -2 | 9 | 9 | 28 |
| 233 | 97 | 36 | 2 | 0 | -5 | -18 | 48 | -7 | -2 | 21 | 24 | 34 |
| 234 | 97 | 56 | 2 | -1 | -4 | -16 | 48 | -9 | 3 | 29 | 32 | 34 |
| 235 | 98 | 16 | 2 | 0 | -4 | -14 | 47 | -10 | 3 | 31 | 35 | 42 |
| 236 | 98 | 37 | 2 | 0 | -4 | -13 | 47 | -10 | 3 | 31 | 35 | 42 |
| 237 | 98 | 57 | 2 | 0 | -3 | -14 | 47 | -11 | 9 | 34 | 39 | 48 |
| 238 | 99 | 17 | 3 | -1 | -4 | -17 | 48 | -11 | 9 | 34 | 39 | 48 |
| 239 | 99 | 37 | 4 | 0 | -4 | -15 | 49 | -11 | 10 | 31 | 36 | 42 |
| 240 | 99 | 57 | 4 | 0 | -4 | -19 | 49 | -11 | 8 | 29 | 34 | 41 |
| 241 | 100 | 17 | 4 | 0 | -4 | -19 | 49 | -11 | 7 | 28 | 33 | 39 |
| 242 | 100 | 36 | 4 | 0 | -4 | -20 | 50 | -11 | 7 | 28 | 33 | 39 |
| 243 | 100 | 56 | 4 | 0 | -4 | -20 | 50 | -11 | 6 | 27 | 32 | 38 |
| 244 | 101 | 16 | 4 | -1 | -4 | -20 | 49 | -12 | 6 | 26 | 31 | 38 |
| 245 | 101 | 36 | 5 | 0 | -4 | -21 | 51 | -12 | 6 | 26 | 31 | 38 |
| 246 | 101 | 55 | 5 | 0 | -5 | -21 | 50 | -12 | 4 | 23 | 28 | 35 |

| -01 SWCS COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-05 ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C | 7-06 ENG.1 IGNIT EXCITR SKIN INBD DEG.C | 7-07 ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C | 7-08 ENG.1 FUEL CONTRL CASE TEMP DEG.C | 7-09 ENG.1 LUPE PUMP CASE TEMP DEG.C | 7-10 ENG.1 FUEL PUMP CASE TEMP DEG.C | 7-11 ENG.1 COMPRS CSE SIG.2 4.30 DEG.C | 7-13 ENG.1 COMPRS CSE SIG.3 4.30 DEG.C | 7-14 ENG.1 COMPRS CSE SIG.3 5.00 DEG.C | 7-15 ENG.1 COMPRS CSE SIG.4 3.00 DEG.C |
|----------------------|----------------------|----------------------|--|---|--|--|--|--|--|--|--|--|
| 247 | 102 | 15 | 4 | -0 | -5 | -19 | 49 | -13 | 4 | 25 | 29 | 35 |
| 248 | 102 | 35 | 5 | -1 | -4 | -19 | 50 | -11 | 4 | 26 | 31 | 36 |
| 249 | 102 | 55 | 2 | 0 | -4 | -16 | 49 | -12 | 5 | 30 | 33 | 39 |
| 250 | 103 | 15 | 5 | 0 | -3 | -15 | 50 | -12 | 7 | 32 | 36 | 42 |
| 251 | 103 | 34 | 5 | 0 | -4 | -14 | 49 | -12 | 8 | 35 | 38 | 46 |
| 252 | 103 | 54 | 6 | 0 | -3 | -17 | 49 | -12 | 9 | 32 | 34 | 44 |
| 253 | 104 | 14 | 5 | 0 | -4 | -16 | 49 | -12 | 8 | 29 | 33 | 41 |
| 254 | 104 | 34 | 5 | 0 | -4 | -17 | 50 | -12 | 6 | 29 | 32 | 39 |
| 255 | 104 | 54 | 5 | 0 | -4 | -19 | 49 | -12 | 6 | 28 | 32 | 39 |
| 256 | 105 | 13 | 5 | -4 | -4 | -19 | 50 | -13 | 6 | 32 | 35 | 39 |
| 257 | 105 | 33 | 5 | -4 | -4 | -20 | 51 | -12 | 5 | 26 | 31 | 38 |
| 258 | 105 | 53 | 5 | 1 | -4 | -21 | 51 | -12 | 5 | 25 | 28 | 35 |
| 259 | 106 | 13 | 5 | -4 | -4 | -20 | 50 | -12 | 4 | 25 | 29 | 34 |
| 260 | 106 | 33 | 5 | -4 | -4 | -20 | 49 | -13 | 4 | 25 | 29 | 35 |
| 261 | 106 | 52 | 5 | -4 | -4 | -19 | 50 | -12 | 4 | 26 | 30 | 36 |
| 262 | 107 | 12 | 4 | -4 | -4 | -18 | 50 | -12 | 5 | 27 | 31 | 38 |
| 263 | 107 | 32 | 5 | -4 | -4 | -18 | 50 | -13 | 5 | 27 | 31 | 38 |
| 264 | 107 | 52 | 5 | -4 | -4 | -20 | 50 | -12 | 5 | 29 | 32 | 38 |
| 265 | 108 | 12 | 6 | -4 | -2 | -16 | 49 | -13 | 5 | 31 | 32 | 41 |
| 266 | 108 | 31 | 7 | 1 | -3 | -14 | 48 | -12 | 8 | 33 | 30 | 42 |
| 269 | 109 | 31 | 8 | 4 | -1 | -14 | 49 | -11 | 12 | 35 | 31 | 44 |
| 270 | 109 | 50 | 9 | 4 | -1 | -14 | 49 | -11 | 13 | 34 | 30 | 43 |
| 271 | 110 | 10 | 10 | 4 | -4 | -15 | 50 | -11 | 13 | 32 | 29 | 48 |
| 272 | 110 | 30 | 9 | 4 | -1 | -16 | 50 | -10 | 11 | 26 | 20 | 36 |
| 273 | 110 | 49 | 10 | 2 | -1 | -21 | 49 | -9 | 11 | 16 | 14 | 29 |
| 274 | 111 | 9 | 9 | 1 | -2 | -22 | 50 | -9 | 8 | 19 | 19 | 30 |
| 275 | 111 | 29 | 9 | 2 | -2 | -20 | 49 | -11 | 5 | 19 | 19 | 30 |
| 276 | 111 | 48 | 7 | 1 | -2 | -22 | 49 | -11 | 5 | 24 | 25 | 33 |
| 277 | 111 | 6 | 7 | 1 | -2 | -22 | 49 | -11 | 4 | 18 | 18 | 31 |
| 278 | 112 | 8 | 7 | -2 | -2 | -15 | 48 | -9 | 3 | 15 | 17 | 26 |
| 279 | 112 | 28 | 7 | -1 | -1 | -13 | 48 | -8 | 5 | 17 | 19 | 27 |
| 279 | 112 | 48 | 6 | 1 | -1 | -19 | 48 | -8 | 5 | 15 | 15 | 21 |
| 280 | 113 | 7 | 5 | 0 | -2 | -15 | 47 | -7 | 4 | 12 | 15 | 21 |
| 281 | 113 | 27 | 5 | 0 | -1 | -19 | 47 | -7 | 4 | 14 | 16 | 22 |
| 281 | 113 | 47 | 5 | 0 | -1 | -19 | 47 | -8 | 4 | 14 | 16 | 22 |
| 282 | 113 | 6 | 5 | 0 | -3 | -21 | 47 | -7 | 2 | 11 | 14 | 20 |
| 283 | 114 | 6 | 4 | 0 | -3 | -21 | 47 | -7 | 0 | 9 | 13 | 20 |
| 284 | 114 | 26 | 4 | -4 | -2 | -20 | 47 | -7 | 0 | 10 | 14 | 18 |
| 285 | 114 | 46 | 4 | 0 | -2 | -25 | 48 | -6 | 3 | 13 | 17 | 21 |
| 285 | 114 | 6 | 4 | 0 | -2 | -19 | 47 | -6 | 3 | 17 | 19 | 26 |
| 286 | 115 | 6 | 4 | 0 | -2 | -19 | 47 | -6 | 3 | 17 | 19 | 26 |
| 287 | 115 | 25 | 4 | 0 | -3 | -16 | 47 | -6 | 3 | 14 | 16 | 24 |
| 288 | 115 | 45 | 3 | -4 | -4 | -21 | 47 | -6 | 1 | 12 | 16 | 23 |
| 289 | 116 | 5 | 3 | -4 | -4 | -20 | 48 | -6 | 0 | 10 | 13 | 21 |
| 290 | 116 | 24 | 2 | -4 | -5 | -19 | 48 | -5 | 0 | 11 | 14 | 20 |
| 291 | 116 | 44 | 2 | -4 | -5 | -20 | 48 | -5 | 0 | 11 | 14 | 20 |
| 292 | 117 | 4 | 1 | -2 | -6 | -22 | 47 | -8 | -4 | 1 | 4 | 12 |
| 293 | 117 | 23 | 0 | -5 | -5 | -19 | 48 | -6 | -4 | -6 | -5 | 12 |
| 294 | 117 | 43 | 0 | -4 | -5 | -15 | 48 | -5 | -8 | -6 | -8 | 13 |
| 295 | 118 | 2 | 1 | -3 | -3 | -10 | 49 | -4 | -7 | -9 | -8 | 13 |
| 295 | 118 | 22 | 0 | -4 | -3 | -10 | 49 | -4 | -7 | -9 | -8 | 13 |
| 297 | 118 | 41 | 0 | -3 | -3 | -6 | 49 | -5 | -11 | -9 | -7 | 13 |
| 297 | 118 | 41 | 0 | -3 | -3 | -6 | 49 | -5 | -11 | -9 | -7 | 13 |
| 298 | 119 | 1 | 0 | -2 | -2 | -4 | 49 | -5 | -12 | -9 | -7 | 13 |

| TIME | MIN. | SEC. | 7-05 | 7-06 | 7-07 | 7-08 | 7-09 | 7-10 | 7-11 | 7-13 | 7-14 | 7-15 |
|------|------|------|--|---|--|--|--|--|---|---|---|---|
| 299 | 119 | 26 | ENG.1 IGNIT EXCITR MOUNT TEMP DEG.C | ENG.1 IGNIT EXCITR SKIN IMAD DEG.C | ENG.1 IGNIT EXCITR SKIN OUTBD DEG.C | ENG.1 IGNIT EXCITR FUEL CONTROL CASE TEMP DEG.C | ENG.1 LUBE PUMP CASE TEMP DEG.C | ENG.1 FUEL PUMP CASE TEMP DEG.C | ENG.1 COMPRS CASE STG.2 4.30 DEG.C | ENG.1 COMPRS CASE STG.3 4.30 DEG.C | ENG.1 COMPRS CASE STG.3 5.00 DEG.C | ENG.1 COMPRS CASE STG.4 3.00 DEG.C |
| 300 | 119 | 40 | 1 | -0 | -3 | -3 | 48 | -5 | -12 | -9 | -6 | -6 |
| 301 | 120 | 0 | 0 | -0 | -2 | -3 | 43 | -5 | -12 | -9 | -6 | -4 |
| 302 | 120 | 19 | 1 | -0 | -2 | -3 | 47 | -5 | -12 | -9 | -6 | -4 |
| 303 | 120 | 39 | 0 | -0 | -2 | -2 | 46 | -5 | -12 | -9 | -5 | -3 |
| 304 | 120 | 58 | 0 | 1 | -2 | -2 | 45 | -5 | -11 | -9 | -6 | -3 |
| 305 | 121 | 18 | 0 | -0 | -2 | -1 | 45 | -5 | -12 | -8 | -6 | -3 |
| 306 | 121 | 37 | 0 | -0 | -2 | -1 | 44 | -5 | -11 | -9 | -9 | -8 |
| 307 | 121 | 57 | 0 | -0 | -2 | -2 | 44 | -5 | -11 | -9 | -6 | -5 |
| 308 | 122 | 16 | 0 | -0 | -2 | -2 | 43 | -5 | -12 | -9 | -6 | -4 |
| 310 | 122 | 35 | 0 | -0 | -2 | -2 | 42 | -6 | -12 | -9 | -6 | -4 |
| 311 | 122 | 55 | 0 | -0 | -2 | -2 | 41 | -6 | -12 | -9 | -6 | -3 |
| 312 | 123 | 15 | 0 | -0 | -2 | -2 | 41 | -6 | -11 | -8 | -6 | -3 |

HM-53C S/N 58-10J54

ARCTIC TEST

21 JANUARY 1971

RUN NO. 7

-62 DEG C / -43 DEG F

| -01 SWEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C | 7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C | 7-18 ENG.1 OIL COOLER AIR INLET DEG.C | 7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C | 7-23 ENG.1 GAS TRB GN TRB CSE 8.00 DEG.C | 7-24 ENG.1 GAS TRB GN TRB CSE 12.00 DEG.C | 7-25 ENG.1 POWER TURB CASE 4.98 DEG.C | 7-26 ENG.1 POWER TURB CASE 6.00 DEG.C | 7-27 ENG.1 POWER TURB CASE 12.00 DEG.C | 7-28 ENG.1 HRNESS TEMP 6.00 DEG.C |
|-----------------------|----------------------|----------------------|--|--|---|--|---|--|---|---|--|--|
| 1 | 3 | 8 | -12 | -14 | -17 | -10 | 7 | 39 | -10 | -10 | 38 | -18 |
| 2 | 3 | 29 | -12 | -14 | -17 | -11 | 7 | 39 | -11 | -11 | 37 | -11 |
| 3 | 3 | 50 | -11 | -14 | -16 | -11 | 7 | 38 | -12 | -11 | 37 | -11 |
| 4 | 4 | 10 | -11 | -14 | -17 | -11 | 7 | 38 | -11 | -11 | 37 | -11 |
| 5 | 4 | 30 | -12 | -13 | -19 | -11 | 6 | 38 | -11 | -11 | 37 | -11 |
| 6 | 4 | 51 | -12 | -14 | -19 | -10 | 6 | 38 | -12 | -11 | 37 | -11 |
| 7 | 5 | 12 | -12 | -14 | -21 | -10 | 6 | 38 | -11 | -11 | 36 | -10 |
| 8 | 5 | 32 | -13 | -14 | -21 | -12 | 6 | 37 | -11 | -11 | 36 | -12 |
| 9 | 5 | 52 | -12 | -14 | -22 | -11 | 6 | 37 | -12 | -12 | 36 | -12 |
| 10 | 6 | 13 | -12 | -14 | -21 | -11 | 6 | 37 | -12 | -12 | 36 | -12 |
| 11 | 6 | 33 | -12 | -15 | -22 | -11 | 6 | 36 | -12 | -12 | 36 | -12 |
| 12 | 6 | 54 | -14 | -15 | -22 | -11 | 5 | 36 | -13 | -13 | 35 | -12 |
| 13 | 7 | 14 | -13 | -14 | -21 | -11 | 5 | 36 | -13 | -13 | 35 | -12 |
| 14 | 7 | 35 | -13 | -14 | -22 | -11 | 4 | 36 | -13 | -13 | 35 | -12 |
| 15 | 7 | 55 | -12 | -14 | -22 | -11 | 5 | 35 | -12 | -12 | 34 | -12 |
| 16 | 8 | 15 | -13 | -14 | -20 | -11 | 4 | 35 | -13 | -13 | 34 | -12 |
| 17 | 8 | 36 | -12 | -14 | -20 | -11 | 4 | 35 | -13 | -13 | 34 | -12 |
| 18 | 8 | 56 | -12 | -14 | -20 | -10 | 4 | 36 | -13 | -13 | 34 | -12 |
| 19 | 9 | 16 | -11 | -14 | -22 | -10 | 4 | 35 | -13 | -13 | 34 | -11 |
| 20 | 9 | 36 | -12 | -14 | -21 | -10 | 4 | 35 | -13 | -13 | 34 | -12 |
| 21 | 9 | 57 | -12 | -13 | -22 | -10 | 4 | 35 | -12 | -13 | 34 | -12 |
| 22 | 10 | 17 | -13 | -14 | -22 | -10 | 4 | 32 | -12 | -13 | 34 | -12 |
| 23 | 10 | 37 | -12 | -13 | -24 | -10 | 7 | 32 | -9 | -9 | 35 | -12 |
| 24 | 10 | 57 | -8 | -11 | -26 | -10 | 62 | 55 | 26 | 14 | 54 | -12 |
| 25 | 11 | 18 | -7 | -9 | -26 | -4 | 85 | 93 | 63 | 48 | 84 | -13 |
| 26 | 11 | 38 | -5 | -9 | -26 | -1 | 107 | 111 | 99 | 85 | 111 | -7 |
| 27 | 11 | 58 | -4 | -7 | -23 | 0 | 117 | 119 | 120 | 115 | 130 | -7 |
| 28 | 12 | 18 | -4 | -6 | -23 | 0 | 123 | 123 | 161 | 155 | 155 | -4 |
| 29 | 12 | 38 | -5 | -8 | -23 | 0 | 127 | 127 | 187 | 152 | 158 | -2 |
| 30 | 12 | 59 | -6 | -8 | -16 | 0 | 129 | 128 | 204 | 165 | 167 | -8 |
| 31 | 13 | 19 | -6 | -8 | -19 | 0 | 130 | 129 | 216 | 176 | 174 | 1 |
| 32 | 13 | 39 | -5 | -7 | -29 | 1 | 133 | 130 | 225 | 185 | 180 | 3 |
| 33 | 13 | 59 | -4 | -6 | -29 | 1 | 134 | 130 | 227 | 194 | 187 | 4 |
| 34 | 14 | 20 | 3 | 3 | -28 | 1 | 153 | 146 | 231 | 202 | 189 | 7 |
| 35 | 14 | 40 | 5 | 6 | -24 | 10 | 162 | 168 | 239 | 202 | 189 | 12 |
| 36 | 15 | 0 | 5 | 6 | -28 | 21 | 167 | 168 | 242 | 215 | 195 | 16 |
| 37 | 15 | 20 | 5 | 7 | -28 | 25 | 190 | 190 | 246 | 219 | 200 | 16 |
| 38 | 15 | 40 | 5 | 6 | -22 | 27 | 192 | 193 | 248 | 221 | 208 | 24 |
| 39 | 15 | 40 | 6 | 6 | -27 | 29 | 194 | 193 | 249 | 220 | 203 | 26 |
| 40 | 16 | 0 | 6 | 6 | -28 | 31 | 193 | 191 | 250 | 234 | 206 | 30 |
| 41 | 16 | 41 | 6 | 8 | -28 | 30 | 194 | 192 | 252 | 237 | 207 | 32 |
| 42 | 17 | 1 | 6 | 8 | -28 | 31 | 194 | 189 | 252 | 239 | 207 | 35 |
| 43 | 17 | 21 | 10 | 10 | -11 | 33 | 202 | 204 | 258 | 243 | 210 | 37 |
| 44 | 17 | 41 | 10 | 10 | -12 | 36 | 201 | 204 | 260 | 246 | 214 | 41 |
| 45 | 17 | 12 | 11 | 11 | -25 | 39 | 202 | 211 | 262 | 249 | 219 | 43 |
| 46 | 18 | 7 | 7 | A | -20 | 36 | 198 | 202 | 263 | 254 | 218 | 45 |

| -01 SPEED COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-16 ENG.1 COMPS CSE SIG.4 4.30 DEG.C | 7-17 ENG.1 COMPS CSE SIG.4 6.00 DEG.C | 7-18 ENG.1 COOLER AIR INLET DEG.C | 7-21 ENG.1 COMPS CSE SIG.5 6.88 DEG.C | 7-23 ENG.1 GAS GN TRR CSE A.88 DEG.C | 7-24 ENG.1 GAS GN TRR CSE 12.88 DEG.C | 7-25 ENG.1 POWER TURB CASE 4.80 DEG.C | 7-26 ENG.1 POWER TURB CASE 8.80 DEG.C | 7-27 ENG.1 TURB CASE 12.80 DEG.C | 7-28 ENG.1 HRNESS TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|--|---|--|---|---|---|---|--|
| 46 | 18 | 21 | 8 | 8 | 5 | 34 | 198 | 205 | 264 | 255 | 218 | 47 |
| 47 | 16 | 41 | 11 | 11 | -7 | 34 | 138 | 200 | 262 | 256 | 218 | 49 |
| 48 | 19 | 1 | 14 | 15 | -20 | 39 | 199 | 199 | 266 | 256 | 218 | 51 |
| 49 | 19 | 22 | 12 | 15 | -22 | 42 | 281 | 197 | 267 | 258 | 219 | 52 |
| 50 | 19 | 42 | 13 | 16 | -22 | 41 | 199 | 195 | 265 | 256 | 219 | 53 |
| 51 | 20 | 2 | 13 | 14 | -24 | 41 | 198 | 183 | 264 | 254 | 218 | 54 |
| 52 | 20 | 22 | 10 | 10 | -29 | 39 | 196 | 194 | 264 | 254 | 218 | 55 |
| 53 | 20 | 42 | A | A | -28 | 37 | 197 | 193 | 263 | 253 | 219 | 55 |
| 54 | 21 | 2 | 10 | 10 | -28 | 35 | 196 | 193 | 262 | 253 | 214 | 57 |
| 55 | 21 | 22 | 10 | 10 | -13 | 35 | 199 | 281 | 263 | 254 | 215 | 58 |
| 56 | 21 | 42 | 11 | 12 | -26 | 37 | 200 | 203 | 264 | 254 | 216 | 58 |
| 57 | 22 | 2 | 9 | 10 | -12 | 35 | 188 | 281 | 267 | 256 | 219 | 58 |
| 58 | 22 | 22 | 12 | 12 | -28 | 35 | 228 | 233 | 279 | 260 | 238 | 58 |
| 59 | 22 | 43 | 24 | 15 | -26 | 45 | 291 | 297 | 317 | 270 | 258 | 58 |
| 60 | 23 | 3 | 31 | 15 | -24 | 51 | 251 | 258 | 343 | 275 | 277 | 56 |
| 61 | 23 | 23 | 37 | 16 | -19 | 54 | 256 | 261 | 361 | 289 | 291 | 56 |
| 62 | 23 | 43 | 41 | 21 | -18 | 57 | 256 | 262 | 371 | 282 | 291 | 56 |
| 63 | 24 | 3 | 45 | 24 | -18 | 60 | 257 | 262 | 386 | 285 | 306 | 55 |
| 64 | 24 | 23 | 45 | 24 | -18 | 60 | 251 | 257 | 382 | 285 | 308 | 57 |
| 65 | 25 | 32 | 45 | 26 | -19 | 61 | 253 | 258 | 387 | 283 | 311 | 58 |
| 66 | 25 | 52 | 46 | 26 | -18 | 62 | 253 | 258 | 387 | 286 | 312 | 58 |
| 67 | 26 | 12 | 46 | 26 | -16 | 62 | 251 | 258 | 389 | 283 | 314 | 58 |
| 68 | 28 | 10 | 47 | 24 | -18 | 60 | 252 | 259 | 394 | 284 | 313 | 58 |
| 69 | 28 | 48 | 49 | 21 | -21 | 60 | 252 | 257 | 354 | 287 | 296 | 53 |
| 70 | 31 | 9 | 78 | 20 | -22 | 97 | 248 | 247 | 365 | 268 | 296 | 51 |
| 71 | 31 | 29 | 39 | 20 | -21 | 54 | 243 | 250 | 372 | 269 | 295 | 51 |
| 72 | 31 | 49 | 40 | 22 | -19 | 56 | 248 | 253 | 376 | 271 | 299 | 50 |
| 73 | 32 | 6 | 44 | 24 | -18 | 59 | 248 | 264 | 377 | 277 | 308 | 49 |
| 74 | 33 | 8 | 47 | 25 | -18 | 63 | 259 | 265 | 383 | 279 | 314 | 49 |
| 75 | 29 | 29 | 48 | 25 | -18 | 65 | 259 | 265 | 387 | 283 | 317 | 52 |
| 76 | 33 | 49 | 48 | 27 | -18 | 64 | 258 | 265 | 408 | 283 | 319 | 52 |
| 77 | 34 | 9 | 48 | 26 | -18 | 66 | 262 | 267 | 408 | 286 | 321 | 52 |
| 78 | 34 | 29 | 51 | 28 | -17 | 78 | 269 | 273 | 403 | 291 | 325 | 54 |
| 79 | 34 | 49 | 52 | 29 | -17 | 71 | 269 | 274 | 407 | 295 | 330 | 56 |
| 80 | 35 | 10 | 50 | 32 | -16 | 69 | 267 | 274 | 413 | 297 | 338 | 53 |
| 81 | 35 | 30 | 48 | 31 | -17 | 66 | 265 | 272 | 411 | 297 | 338 | 53 |
| 82 | 35 | 50 | 50 | 31 | -17 | 71 | 268 | 274 | 411 | 301 | 332 | 58 |
| 83 | 36 | 10 | 53 | 33 | -17 | 75 | 271 | 275 | 419 | 303 | 334 | 58 |
| 84 | 36 | 38 | 52 | 33 | -16 | 74 | 268 | 274 | 413 | 303 | 335 | 61 |
| 85 | 36 | 50 | 52 | 32 | -18 | 75 | 278 | 274 | 412 | 304 | 336 | 61 |
| 86 | 37 | 10 | 53 | 32 | -19 | 77 | 278 | 274 | 411 | 307 | 337 | 62 |
| 87 | 37 | 30 | 52 | 32 | -18 | 75 | 267 | 274 | 412 | 307 | 337 | 62 |
| 88 | 37 | 51 | 48 | 32 | -19 | 71 | 265 | 273 | 414 | 306 | 337 | 62 |
| 89 | 38 | 11 | 48 | 30 | -17 | 68 | 267 | 273 | 415 | 306 | 338 | 62 |
| 90 | 38 | 31 | 49 | 32 | -17 | 71 | 269 | 276 | 414 | 306 | 337 | 63 |
| 91 | 38 | 51 | 52 | 32 | -16 | 73 | 272 | 276 | 413 | 305 | 338 | 63 |
| 92 | 39 | 11 | 53 | 33 | -17 | 75 | 272 | 278 | 415 | 306 | 340 | 64 |
| 93 | 39 | 31 | 53 | 34 | -16 | 74 | 272 | 279 | 417 | 307 | 340 | 64 |
| 94 | 39 | 51 | 60 | 34 | -15 | 72 | 273 | 279 | 419 | 308 | 343 | 64 |
| 95 | 40 | 11 | 53 | 35 | -15 | 74 | 274 | 286 | 421 | 309 | 343 | 64 |

| -01 SHEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-16 ENG.1 COMPRS CSE SYG.4 4.30 DEG.C | 7-17 ENG.1 COMPRS CSE SYG.4 6.00 DEG.C | 7-18 ENG.1 OIL COOLER AIR INLET DEG.C | 7-21 ENG.1 COMPRS CSE SYG.5 6.00 DEG.C | 7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C | 7-24 ENG.1 GAS GN TRB CSE 12.00 DEG.C | 7-25 ENG.1 POWER TURB CASE 4.00 DEG.C | 7-26 ENG.1 POWER TURB CASE 8.00 DEG.C | 7-27 ENG.1 POWER TURB CASE 12.00 DEG.C | 7-28 ENG.1 TS HRNESS TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|--|---|--|--|---|---|---|--|--|
| 96 | 40 | 31 | 56 | 36 | -14 | 77 | 283 | 287 | 425 | 312 | 347 | 66 |
| 97 | 41 | 32 | 58 | 39 | -14 | 60 | 289 | 295 | 437 | 322 | 356 | 68 |
| 99 | 41 | 52 | 60 | 40 | -13 | 52 | 292 | 297 | 438 | 324 | 359 | 68 |
| 100 | 42 | 12 | 61 | 41 | -14 | 63 | 292 | 298 | 439 | 326 | 362 | 72 |
| 101 | 42 | 32 | 61 | 42 | -14 | 53 | 293 | 299 | 442 | 327 | 364 | 71 |
| 102 | 42 | 52 | 62 | 42 | -15 | 81 | 291 | 298 | 443 | 328 | 365 | 70 |
| 103 | 42 | 52 | 58 | 42 | -14 | 82 | 295 | 303 | 444 | 328 | 365 | 72 |
| 104 | 43 | 12 | 60 | 42 | -14 | 83 | 297 | 304 | 444 | 332 | 368 | 73 |
| 105 | 43 | 32 | 62 | 42 | -14 | 83 | 297 | 304 | 448 | 338 | 373 | 73 |
| 106 | 43 | 52 | 63 | 42 | -14 | 84 | 298 | 305 | 450 | 335 | 371 | 73 |
| 107 | 44 | 12 | 61 | 43 | -14 | 84 | 297 | 303 | 458 | 339 | 371 | 74 |
| 108 | 44 | 32 | 59 | 43 | -15 | 81 | 296 | 303 | 453 | 335 | 372 | 75 |
| 109 | 44 | 52 | 61 | 43 | -14 | 82 | 297 | 304 | 452 | 336 | 374 | 75 |
| 110 | 45 | 12 | 63 | 43 | -15 | 84 | 299 | 305 | 452 | 338 | 374 | 75 |
| 111 | 45 | 32 | 64 | 43 | -16 | 85 | 299 | 305 | 453 | 339 | 376 | 77 |
| 112 | 45 | 52 | 61 | 43 | -15 | 84 | 297 | 304 | 453 | 348 | 376 | 77 |
| 113 | 46 | 12 | 59 | 38 | -15 | 78 | 295 | 302 | 456 | 348 | 376 | 75 |
| 114 | 46 | 32 | 59 | 37 | -15 | 78 | 295 | 302 | 457 | 337 | 373 | 76 |
| 115 | 49 | 18 | 58 | 37 | -13 | 76 | 316 | 325 | 492 | 345 | 387 | 74 |
| 116 | 49 | 38 | 56 | 36 | -15 | 76 | 314 | 323 | 496 | 350 | 388 | 74 |
| 117 | 49 | 58 | 54 | 34 | -14 | 74 | 307 | 314 | 491 | 350 | 387 | 74 |
| 118 | 51 | 17 | 55 | 34 | -15 | 73 | 311 | 320 | 491 | 347 | 386 | 75 |
| 119 | 52 | 17 | 55 | 36 | -14 | 75 | 316 | 325 | 497 | 349 | 388 | 75 |
| 120 | 52 | 37 | 56 | 37 | -14 | 75 | 322 | 329 | 502 | 353 | 393 | 75 |
| 121 | 54 | 35 | 57 | 42 | -14 | 80 | 315 | 320 | 500 | 354 | 399 | 77 |
| 122 | 54 | 59 | 59 | 45 | -13 | 80 | 318 | 325 | 505 | 354 | 401 | 77 |
| 123 | 55 | 14 | 54 | 35 | -15 | 76 | 283 | 291 | 604 | 348 | 388 | 74 |
| 124 | 56 | 35 | 48 | 26 | -14 | 62 | 264 | 269 | 607 | 381 | 426 | 67 |
| 125 | 56 | 55 | 47 | 30 | -14 | 65 | 274 | 282 | 617 | 381 | 426 | 66 |
| 126 | 57 | 15 | 48 | 34 | -13 | 69 | 285 | 290 | 627 | 384 | 439 | 65 |
| 127 | 57 | 35 | 48 | 36 | -12 | 71 | 291 | 296 | 638 | 384 | 444 | 67 |
| 128 | 57 | 55 | 49 | 38 | -12 | 73 | 297 | 304 | 653 | 385 | 454 | 67 |
| 129 | 58 | 15 | 49 | 39 | -12 | 76 | 301 | 307 | 662 | 382 | 458 | 69 |
| 130 | 58 | 35 | 50 | 39 | -12 | 76 | 305 | 310 | 671 | 382 | 468 | 68 |
| 131 | 58 | 55 | 50 | 39 | -14 | 76 | 307 | 311 | 678 | 381 | 471 | 68 |
| 132 | 59 | 15 | 53 | 42 | -12 | 78 | 310 | 315 | 684 | 388 | 478 | 69 |
| 133 | 59 | 35 | 56 | 42 | -11 | 78 | 314 | 319 | 690 | 383 | 480 | 70 |
| 134 | 59 | 55 | 55 | 39 | -11 | 77 | 317 | 321 | 695 | 387 | 487 | 71 |
| 135 | 60 | 15 | 54 | 40 | -12 | 78 | 318 | 321 | 708 | 349 | 498 | 72 |
| 136 | 60 | 35 | 57 | 42 | -13 | 80 | 319 | 322 | 703 | 353 | 494 | 72 |
| 137 | 60 | 55 | 56 | 42 | -13 | 80 | 312 | 315 | 699 | 353 | 495 | 74 |
| 138 | 61 | 15 | 61 | 45 | -12 | 81 | 317 | 321 | 708 | 354 | 497 | 74 |
| 139 | 61 | 34 | 63 | 48 | -12 | 83 | 319 | 323 | 702 | 355 | 492 | 75 |
| 140 | 62 | 33 | 55 | 40 | -14 | 80 | 297 | 302 | 688 | 351 | 488 | 76 |
| 141 | 62 | 53 | 51 | 40 | -14 | 78 | 287 | 294 | 675 | 345 | 475 | 75 |
| 142 | 63 | 13 | 49 | 37 | -14 | 75 | 281 | 287 | 661 | 334 | 461 | 73 |
| 143 | 65 | 12 | 53 | 33 | -15 | 72 | 271 | 277 | 632 | 329 | 432 | 72 |
| 144 | 65 | 32 | 53 | 32 | -14 | 69 | 265 | 272 | 623 | 315 | 423 | 70 |
| 145 | 65 | 52 | 52 | 31 | -14 | 68 | 262 | 268 | 616 | 311 | 416 | 69 |
| 146 | 66 | 12 | 53 | 31 | -16 | 68 | 261 | 268 | 610 | 308 | 410 | 70 |

| -01 SNEEP COUNT | 7-32 TIME MIN. | 7-33 TIME SEC. | 7-16 ENG.1 COMPRS CSE STG.4 4.30 DEG.C | 7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C | 7-18 ENG.1 OIL COOLER ATR INLET DEG.C | 7-21 ENG.1 COMPRS CSE STG.5 6.00 DEG.C | 7-23 ENG.1 GAS ON TRB CSE 8.00 DEG.C | 7-24 ENG.1 GAS ON TRB CSE 12.00 DEG.C | 7-25 ENG.1 POWER TURB CASE 4.00 DEG.C | 7-26 ENG.1 POWER TURB CASE 6.00 DEG.C | 7-27 ENG.1 POWER TURB CASE 12.00 DEG.C | 7-29 ENG.1 TEMP HOMESS TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|--|---|--|--|---|---|---|--|--|
| 147 | 67 | 9 | 46 | 32 | -16 | 72 | 231 | 261 | 369 | 296 | 324 | 69 |
| 148 | 67 | 29 | 33 | 27 | -17 | 62 | 201 | 281 | 365 | 281 | 305 | 65 |
| 149 | 67 | 48 | 25 | 24 | -17 | 49 | 185 | 189 | 330 | 262 | 283 | 62 |
| 150 | 64 | 8 | 21 | 19 | -17 | 39 | 176 | 179 | 306 | 245 | 285 | 60 |
| 151 | 68 | 27 | 18 | 17 | -18 | 17 | 179 | 161 | 287 | 232 | 246 | 54 |
| 152 | 68 | 47 | 26 | 19 | -19 | 33 | 205 | 206 | 285 | 227 | 245 | 52 |
| 153 | 69 | 7 | 31 | 20 | -24 | 46 | 214 | 214 | 291 | 228 | 249 | 52 |
| 154 | 69 | 27 | 29 | 18 | -27 | 52 | 205 | 208 | 290 | 231 | 249 | 49 |
| 155 | 69 | 47 | 22 | 18 | -28 | 53 | 210 | 211 | 293 | 230 | 242 | 52 |
| 156 | 70 | 7 | 19 | 17 | -27 | 51 | 208 | 210 | 297 | 245 | 248 | 53 |
| 157 | 70 | 26 | 18 | 18 | -27 | 56 | 231 | 232 | 308 | 255 | 247 | 53 |
| 158 | 70 | 46 | 21 | 18 | -27 | 52 | 229 | 230 | 319 | 251 | 255 | 52 |
| 159 | 71 | 6 | 22 | 14 | -27 | 55 | 228 | 224 | 318 | 262 | 258 | 52 |
| 160 | 71 | 26 | 21 | 13 | -27 | 54 | 228 | 223 | 318 | 262 | 257 | 51 |
| 161 | 71 | 46 | 19 | 14 | -26 | 55 | 219 | 221 | 317 | 264 | 257 | 52 |
| 162 | 72 | 6 | 20 | 16 | -27 | 55 | 223 | 223 | 316 | 265 | 256 | 52 |
| 163 | 72 | 26 | 21 | 19 | -27 | 56 | 226 | 225 | 323 | 271 | 253 | 53 |
| 164 | 72 | 46 | 24 | 22 | -25 | 57 | 222 | 244 | 330 | 279 | 262 | 54 |
| 165 | 73 | 6 | 29 | 27 | -24 | 53 | 260 | 260 | 356 | 281 | 261 | 54 |
| 166 | 73 | 26 | 32 | 30 | -24 | 68 | 299 | 261 | 368 | 298 | 298 | 58 |
| 167 | 73 | 46 | 32 | 31 | -17 | 71 | 263 | 259 | 373 | 310 | 293 | 59 |
| 168 | 74 | 6 | 36 | 31 | -27 | 72 | 285 | 267 | 343 | 313 | 305 | 62 |
| 169 | 74 | 26 | 36 | 26 | -26 | 72 | 293 | 293 | 364 | 310 | 309 | 62 |
| 170 | 74 | 45 | 38 | 22 | -23 | 67 | 247 | 251 | 383 | 310 | 310 | 61 |
| 171 | 75 | 5 | 40 | 21 | -22 | 64 | 247 | 251 | 378 | 295 | 309 | 61 |
| 172 | 75 | 25 | 41 | 21 | -21 | 63 | 249 | 249 | 374 | 290 | 308 | 58 |
| 173 | 75 | 45 | 42 | 22 | -19 | 63 | 252 | 237 | 379 | 286 | 308 | 58 |
| 174 | 76 | 5 | 44 | 25 | -18 | 66 | 247 | 253 | 379 | 284 | 308 | 58 |
| 175 | 76 | 26 | 46 | 15 | -29 | 59 | 245 | 216 | 325 | 267 | 271 | 53 |
| 176 | 78 | 46 | 24 | 19 | -25 | 58 | 232 | 232 | 331 | 271 | 268 | 57 |
| 177 | 79 | 6 | 26 | 26 | -26 | 64 | 280 | 251 | 355 | 283 | 276 | 57 |
| 178 | 79 | 26 | 28 | 29 | -29 | 64 | 285 | 258 | 376 | 295 | 287 | 58 |
| 179 | 79 | 46 | 28 | 29 | -27 | 65 | 285 | 257 | 389 | 307 | 282 | 62 |
| 180 | 80 | 6 | 26 | 30 | -26 | 66 | 283 | 260 | 398 | 315 | 300 | 61 |
| 181 | 80 | 26 | 29 | 30 | -26 | 67 | 286 | 259 | 481 | 322 | 305 | 63 |
| 182 | 80 | 46 | 31 | 32 | -22 | 68 | 280 | 263 | 482 | 326 | 309 | 65 |
| 183 | 81 | 6 | 33 | 33 | -21 | 71 | 281 | 262 | 395 | 320 | 308 | 64 |
| 184 | 81 | 25 | 29 | 31 | -25 | 72 | 238 | 237 | 382 | 325 | 300 | 67 |
| 185 | 81 | 45 | 20 | 23 | -26 | 64 | 244 | 200 | 352 | 312 | 280 | 68 |
| 186 | 82 | 5 | 15 | 18 | -27 | 54 | 207 | 199 | 326 | 301 | 263 | 68 |
| 187 | 82 | 25 | 16 | 16 | -26 | 46 | 204 | 195 | 309 | 290 | 249 | 69 |
| 188 | 82 | 45 | 12 | 14 | -27 | 42 | 203 | 193 | 298 | 261 | 240 | 69 |
| 189 | 83 | 5 | 11 | 13 | -26 | 40 | 200 | 194 | 290 | 261 | 233 | 69 |
| 190 | 83 | 24 | 12 | 13 | -25 | 39 | 200 | 194 | 285 | 269 | 228 | 69 |
| 191 | 83 | 44 | 12 | 13 | -20 | 39 | 202 | 186 | 281 | 266 | 225 | 69 |
| 192 | 84 | 4 | 13 | 14 | -24 | 40 | 201 | 195 | 279 | 263 | 222 | 69 |
| 193 | 84 | 24 | 13 | 15 | -24 | 40 | 203 | 197 | 277 | 262 | 223 | 69 |
| 194 | 84 | 44 | 14 | 15 | -24 | 40 | 203 | 196 | 277 | 269 | 221 | 69 |
| 195 | 85 | 4 | 13 | 13 | -24 | 41 | 203 | 184 | 275 | 260 | 219 | 69 |
| 196 | 85 | 24 | 12 | 15 | -25 | 40 | 202 | 194 | 273 | 259 | 219 | 67 |

| -01 SWEEP COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-16 ENG.1 COMPR CSE STG.4 4.30 DEG.C | 7-17 ENG.1 COMPR CSF STG.4 6.00 DEG.C | 7-18 ENG.1 OIL COOLER AIR INLET 9.00 DEG.C | 7-21 ENG.1 COMPR CSE STG.5 6.00 DEG.C | 7-23 ENG.1 GAS CN TRB CSE 8.00 DEG.C | 7-24 ENG.1 GAS CN TRB CSE 12.00 DEG.C | 7-25 ENG.1 POWER TURB CASE 4.00 DEG.C | 7-26 ENG.1 POWER TURB CASE 6.00 DEG.C | 7-27 ENG.1 POWER TURB CASE 12.00 DEG.C | 7-28 ENG.1 HRNESS TEMP DEG.C |
|-----------------------|----------------------|----------------------|---|---|---|---|--|---|---|---|--|--|
| 197 | 05 | 44 | 13 | 15 | -17 | 48 | 211 | 207 | 275 | 259 | 223 | 68 |
| 198 | 06 | 1 | 22 | 22 | -27 | 47 | 253 | 249 | 303 | 269 | 242 | 66 |
| 199 | 06 | 23 | 30 | 20 | -25 | 55 | 257 | 258 | 337 | 277 | 269 | 66 |
| 200 | 06 | 43 | 35 | 19 | -20 | 58 | 247 | 256 | 351 | 273 | 283 | 64 |
| 201 | 07 | 3 | 20 | 36 | -21 | 61 | 232 | 234 | 346 | 278 | 283 | 63 |
| 202 | 07 | 23 | 26 | 17 | -26 | 60 | 217 | 218 | 327 | 274 | 272 | 63 |
| 203 | 07 | 43 | 26 | 20 | -26 | 58 | 248 | 248 | 338 | 280 | 268 | 64 |
| 204 | 08 | 2 | 26 | 27 | -26 | 61 | 262 | 256 | 359 | 290 | 281 | 63 |
| 205 | 08 | 22 | 28 | 30 | -28 | 64 | 266 | 256 | 378 | 303 | 290 | 64 |
| 206 | 08 | 42 | 28 | 31 | -28 | 66 | 266 | 266 | 389 | 312 | 296 | 66 |
| 207 | 09 | 2 | 28 | 29 | -26 | 67 | 267 | 263 | 397 | 328 | 303 | 64 |
| 208 | 09 | 22 | 30 | 33 | -26 | 68 | 278 | 255 | 403 | 326 | 307 | 66 |
| 209 | 09 | 42 | 29 | 32 | -26 | 69 | 265 | 253 | 404 | 328 | 307 | 72 |
| 210 | 09 | 2 | 28 | 32 | -27 | 68 | 265 | 268 | 405 | 329 | 312 | 73 |
| 211 | 09 | 22 | 28 | 32 | -27 | 68 | 265 | 259 | 405 | 331 | 318 | 75 |
| 212 | 09 | 42 | 26 | 31 | -27 | 68 | 265 | 267 | 405 | 332 | 311 | 79 |
| 213 | 09 | 2 | 28 | 31 | -26 | 68 | 265 | 258 | 407 | 333 | 311 | 78 |
| 214 | 09 | 21 | 29 | 31 | -24 | 68 | 267 | 262 | 407 | 335 | 313 | 73 |
| 215 | 09 | 41 | 29 | 31 | -26 | 68 | 265 | 259 | 408 | 335 | 311 | 74 |
| 216 | 09 | 1 | 27 | 31 | -26 | 67 | 265 | 257 | 408 | 335 | 311 | 74 |
| 217 | 09 | 21 | 29 | 32 | -26 | 68 | 265 | 258 | 407 | 336 | 311 | 75 |
| 218 | 09 | 41 | 29 | 32 | -27 | 68 | 263 | 257 | 407 | 335 | 311 | 75 |
| 219 | 09 | 1 | 29 | 32 | -26 | 66 | 264 | 258 | 407 | 336 | 318 | 74 |
| 220 | 09 | 21 | 29 | 33 | -24 | 67 | 265 | 258 | 407 | 335 | 311 | 75 |
| 221 | 09 | 41 | 31 | 32 | -23 | 69 | 257 | 259 | 396 | 335 | 311 | 74 |
| 222 | 09 | 0 | 22 | 24 | -25 | 66 | 222 | 220 | 371 | 323 | 293 | 77 |
| 223 | 09 | 20 | 16 | 18 | -25 | 56 | 209 | 203 | 339 | 310 | 273 | 77 |
| 224 | 09 | 40 | 13 | 15 | -26 | 48 | 234 | 280 | 318 | 297 | 257 | 77 |
| 225 | 09 | 8 | 12 | 15 | -25 | 43 | 263 | 198 | 383 | 288 | 246 | 75 |
| 226 | 09 | 20 | 12 | 13 | -26 | 40 | 203 | 198 | 294 | 280 | 239 | 75 |
| 227 | 09 | 39 | 11 | 13 | -26 | 39 | 202 | 195 | 266 | 275 | 233 | 75 |
| 228 | 09 | 59 | 11 | 13 | -26 | 39 | 201 | 195 | 284 | 278 | 228 | 75 |
| 229 | 09 | 19 | 11 | 12 | -27 | 38 | 208 | 195 | 260 | 266 | 225 | 73 |
| 230 | 09 | 38 | 11 | 13 | -26 | 38 | 288 | 194 | 278 | 264 | 222 | 73 |
| 231 | 09 | 58 | 11 | 13 | -26 | 38 | 281 | 194 | 275 | 262 | 221 | 72 |
| 232 | 09 | 18 | 10 | 12 | -25 | 38 | 283 | 199 | 274 | 268 | 220 | 74 |
| 233 | 09 | 38 | 21 | 19 | -25 | 43 | 247 | 242 | 237 | 237 | 237 | 69 |
| 234 | 09 | 58 | 30 | 27 | -20 | 55 | 264 | 261 | 326 | 280 | 257 | 66 |
| 235 | 09 | 18 | 34 | 33 | -17 | 65 | 265 | 265 | 349 | 293 | 274 | 68 |
| 236 | 09 | 37 | 38 | 36 | -18 | 72 | 274 | 266 | 366 | 286 | 286 | 69 |
| 237 | 09 | 57 | 39 | 39 | -23 | 78 | 280 | 274 | 382 | 314 | 300 | 72 |
| 238 | 09 | 17 | 37 | 39 | -24 | 78 | 275 | 267 | 394 | 323 | 304 | 72 |
| 239 | 09 | 37 | 36 | 39 | -24 | 77 | 277 | 267 | 483 | 330 | 308 | 75 |
| 240 | 09 | 57 | 34 | 37 | -27 | 76 | 272 | 264 | 407 | 333 | 308 | 74 |
| 241 | 100 | 17 | 32 | 35 | -26 | 72 | 268 | 263 | 410 | 336 | 313 | 74 |
| 242 | 100 | 36 | 32 | 32 | -26 | 71 | 267 | 259 | 411 | 336 | 314 | 75 |
| 243 | 100 | 56 | 30 | 33 | -26 | 69 | 267 | 263 | 412 | 336 | 313 | 75 |
| 244 | 101 | 16 | 31 | 33 | -27 | 69 | 266 | 259 | 411 | 337 | 313 | 76 |
| 245 | 101 | 36 | 29 | 32 | -27 | 69 | 262 | 262 | 408 | 334 | 322 | 80 |
| 246 | 101 | 55 | 24 | 30 | -27 | 65 | 263 | 258 | 405 | 333 | 316 | 80 |

| SPEED COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-10 ENG.1 COMPRS STG.4 4.30 DEG.C | 7-16 ENG.1 OIL COOLER AIR INLET DEG.C | 7-21 ENG.1 COMPRS STG.5 6.00 DEG.C | 7-23 ENG.1 GN TRB GN TRB CSE DEG.C | 7-24 ENG.1 SAS GN TRB CSE DEG.C | 7-25 ENG.1 POWER TURB CASE 4.00 DEG.C | 7-26 ENG.1 POWER TURB CASE 0.00 DEG.C | 7-27 ENG.1 POWER TURB CASE 12.00 DEG.C | 7-28 ENG.1 HRNESS TEMP DEG.C |
|----------------|----------------------|----------------------|---|---|---|---|--|---|---|--|--|
| | | | | | | | | | | | |
| 247 | 102 | 15 | 27 | -25 | 67 | 268 | 260 | 497 | 333 | 314 | 76 |
| 248 | 102 | 35 | 29 | -26 | 67 | 268 | 262 | 409 | 334 | 315 | 74 |
| 249 | 102 | 55 | 32 | -23 | 68 | 272 | 265 | 407 | 334 | 315 | 79 |
| 250 | 103 | 15 | 36 | -21 | 72 | 273 | 272 | 406 | 337 | 323 | 80 |
| 251 | 103 | 34 | 39 | -20 | 76 | 276 | 276 | 406 | 340 | 325 | 88 |
| 252 | 103 | 54 | 38 | -26 | 78 | 275 | 272 | 411 | 344 | 327 | 88 |
| 253 | 104 | 14 | 34 | -26 | 77 | 272 | 267 | 416 | 341 | 323 | 88 |
| 254 | 104 | 34 | 32 | -25 | 74 | 271 | 263 | 415 | 342 | 323 | 88 |
| 255 | 104 | 54 | 32 | -26 | 72 | 270 | 262 | 416 | 341 | 323 | 81 |
| 256 | 105 | 13 | 31 | -27 | 70 | 262 | 262 | 416 | 343 | 323 | 81 |
| 257 | 105 | 33 | 30 | -26 | 71 | 264 | 263 | 414 | 338 | 326 | 81 |
| 258 | 105 | 53 | 27 | -27 | 70 | 263 | 258 | 410 | 335 | 321 | 84 |
| 259 | 106 | 13 | 28 | -26 | 68 | 264 | 259 | 409 | 336 | 317 | 81 |
| 260 | 106 | 33 | 26 | -26 | 67 | 265 | 261 | 410 | 336 | 316 | 82 |
| 261 | 106 | 52 | 29 | -26 | 67 | 267 | 263 | 412 | 335 | 325 | 82 |
| 262 | 107 | 12 | 32 | -25 | 67 | 268 | 268 | 408 | 336 | 319 | 81 |
| 263 | 107 | 32 | 30 | -26 | 68 | 271 | 262 | 412 | 337 | 317 | 82 |
| 264 | 107 | 52 | 31 | -26 | 68 | 272 | 269 | 412 | 337 | 322 | 83 |
| 265 | 108 | 12 | 37 | -20 | 65 | 266 | 268 | 409 | 338 | 325 | 83 |
| 266 | 108 | 31 | 42 | -18 | 72 | 259 | 260 | 402 | 321 | 323 | 80 |
| 267 | 109 | 51 | 47 | -20 | 59 | 254 | 256 | 390 | 308 | 319 | 74 |
| 270 | 109 | 50 | 47 | -19 | 68 | 248 | 251 | 386 | 293 | 315 | 78 |
| 271 | 110 | 10 | 45 | -20 | 64 | 239 | 243 | 378 | 287 | 310 | 69 |
| 272 | 110 | 30 | 42 | -25 | 67 | 224 | 227 | 358 | 283 | 288 | 68 |
| 273 | 110 | 49 | 31 | -27 | 63 | 218 | 211 | 331 | 274 | 288 | 66 |
| 274 | 111 | 9 | 25 | -28 | 58 | 231 | 228 | 331 | 273 | 274 | 66 |
| 275 | 111 | 29 | 30 | -21 | 61 | 251 | 251 | 345 | 281 | 278 | 66 |
| 276 | 111 | 48 | 25 | -16 | 63 | 227 | 229 | 344 | 288 | 279 | 68 |
| 277 | 112 | 8 | 18 | -19 | 57 | 216 | 210 | 325 | 284 | 284 | 69 |
| 278 | 112 | 28 | 16 | -8 | 49 | 215 | 211 | 312 | 281 | 285 | 70 |
| 279 | 112 | 48 | 15 | -24 | 43 | 205 | 207 | 303 | 280 | 288 | 71 |
| 280 | 113 | 7 | 15 | -13 | 40 | 288 | 199 | 294 | 276 | 280 | 72 |
| 281 | 113 | 27 | 15 | -22 | 40 | 282 | 199 | 290 | 273 | 288 | 71 |
| 282 | 113 | 47 | 16 | -28 | 38 | 207 | 204 | 286 | 272 | 283 | 71 |
| 283 | 114 | 6 | 14 | -28 | 42 | 208 | 196 | 283 | 268 | 289 | 70 |
| 284 | 114 | 26 | 13 | -22 | 43 | 208 | 195 | 276 | 285 | 286 | 71 |
| 285 | 114 | 46 | 15 | -13 | 43 | 213 | 283 | 278 | 285 | 286 | 70 |
| 286 | 115 | 6 | 18 | -23 | 44 | 213 | 284 | 279 | 284 | 287 | 71 |
| 287 | 115 | 25 | 16 | -24 | 45 | 207 | 194 | 277 | 264 | 286 | 71 |
| 288 | 115 | 45 | 15 | -27 | 46 | 202 | 194 | 275 | 262 | 284 | 71 |
| 289 | 116 | 5 | 13 | -26 | 44 | 201 | 192 | 272 | 262 | 283 | 71 |
| 290 | 116 | 24 | 13 | -24 | 43 | 201 | 191 | 271 | 260 | 289 | 73 |
| 291 | 116 | 44 | 12 | -27 | 41 | 193 | 180 | 268 | 258 | 289 | 69 |
| 292 | 117 | 9 | 10 | -27 | 38 | 181 | 176 | 268 | 253 | 283 | 68 |
| 293 | 117 | 23 | 5 | -25 | 31 | 178 | 169 | 256 | 248 | 287 | 68 |
| 294 | 117 | 43 | 2 | -23 | 20 | 181 | 166 | 245 | 239 | 287 | 65 |
| 295 | 118 | 2 | 3 | -22 | 13 | 181 | 164 | 233 | 228 | 288 | 65 |
| 296 | 118 | 22 | 4 | -21 | 8 | 180 | 162 | 223 | 221 | 291 | 65 |
| 297 | 118 | 41 | 4 | -21 | 9 | 177 | 162 | 214 | 213 | 291 | 62 |
| 298 | 119 | 1 | 4 | -18 | 4 | 176 | 158 | 207 | 207 | 297 | 61 |

| -01 SAFE COUNT | 7-02 TIME MIN. | 7-03 TIME SEC. | 7-15 ENG.1 COMPRS CSE STG.4 4.30 DEG.C | 7-17 ENG.1 COMPRS CSE STG.4 6.00 DEG.C | 7-18 ENG.1 OIL COOLEP AIR INLET NEG.C | 7-21 ENG.1 COMPRS CSE STG.5 5.00 DEG.C | 7-23 ENG.1 GAS GN TRB CSE 8.00 DEG.C | 7-24 ENG.1 GAS GN TRR CSE 12.00 DEG.C | 7-25 ENG.1 POWER TURB CASE 4.00 DEG.C | 7-26 ENG.1 POWER TURB CASE 8.00 DEG.C | 7-27 ENG.1 POWER TURB CASE 12.00 DEG.C | 7-28 ENG.1 Y5 HRNESS TEMP DEG.C |
|----------------------|----------------------|----------------------|--|--|---|--|--|---|---|---|--|--|
| 299 | 119 | 20 | -4 | -3 | -19 | 4 | 174 | 156 | 208 | 201 | 178 | 62 |
| 300 | 119 | 40 | -4 | -3 | -16 | 2 | 172 | 154 | 194 | 196 | 176 | 61 |
| 301 | 120 | 0 | -4 | -4 | -17 | 1 | 169 | 153 | 189 | 192 | 174 | 60 |
| 302 | 120 | 19 | -4 | -4 | -18 | 1 | 166 | 151 | 184 | 187 | 171 | 59 |
| 303 | 120 | 39 | -4 | -4 | -16 | 1 | 165 | 149 | 179 | 183 | 169 | 61 |
| 304 | 120 | 58 | -4 | -4 | -15 | 1 | 162 | 147 | 175 | 179 | 167 | 59 |
| 305 | 121 | 18 | -4 | -4 | -13 | 0 | 161 | 145 | 171 | 175 | 165 | 59 |
| 306 | 121 | 37 | -10 | -9 | -15 | 0 | 159 | 145 | 167 | 171 | 163 | 59 |
| 307 | 121 | 57 | -4 | -4 | -16 | 0 | 157 | 143 | 163 | 168 | 162 | 58 |
| 308 | 122 | 16 | -5 | -4 | -17 | 8 | 155 | 142 | 159 | 164 | 160 | 57 |
| 310 | 122 | 36 | -5 | -5 | -19 | 0 | 153 | 141 | 156 | 161 | 159 | 55 |
| 311 | 122 | 55 | -5 | -5 | -17 | 0 | 151 | 139 | 152 | 157 | 157 | 53 |
| 312 | 123 | 15 | -5 | -5 | -16 | 0 | 158 | 138 | 149 | 154 | 157 | 53 |

44-53C S/N 68-10354
 ARCTIC TEST
 21 JANUARY 1971
 RUN NO. 7 -42 DEG C / -43 DEG F

| -01 SWEEP COUNT | A-02 TIME MIN. | A-03 TIME SEC. | A-23 | | A-24 | |
|-----------------------|----------------------|----------------------|--|--|------|--|
| | | | ENG.2 COOLER AIR INLET DEG.C | ENG.2 OIL COOLER AIR OUTLET DEG.C | | |
| 1 | 3 | 11 | -13 | -15 | | |
| 2 | 3 | 31 | -9 | -16 | | |
| 3 | 3 | 52 | -10 | -16 | | |
| 4 | 4 | 12 | -8 | -15 | | |
| 5 | 4 | 33 | -9 | -15 | | |
| 6 | 4 | 53 | -9 | -14 | | |
| 7 | 5 | 14 | -7 | -14 | | |
| 8 | 5 | 34 | -7 | -14 | | |
| 9 | 5 | 55 | -3 | -13 | | |
| 10 | 6 | 15 | -6 | -13 | | |
| 11 | 6 | 36 | -4 | -13 | | |
| 12 | 6 | 56 | -6 | -13 | | |
| 13 | 7 | 17 | -6 | -12 | | |
| 14 | 7 | 37 | -7 | -12 | | |
| 15 | 7 | 57 | -6 | -13 | | |
| 16 | 8 | 18 | -10 | -13 | | |
| 17 | 8 | 38 | -12 | -11 | | |
| 18 | 8 | 58 | -12 | -13 | | |
| 19 | 9 | 18 | -11 | -11 | | |
| 20 | 9 | 39 | -13 | -13 | | |
| 21 | 9 | 59 | -16 | -13 | | |
| 22 | 10 | 19 | -14 | -14 | | |
| 23 | 10 | 39 | -15 | -13 | | |
| 24 | 11 | 0 | -16 | -14 | | |
| 25 | 11 | 20 | -14 | -15 | | |
| 26 | 11 | 40 | -15 | -15 | | |
| 27 | 12 | 0 | -15 | -8 | | |
| 28 | 12 | 21 | -15 | -5 | | |
| 29 | 12 | 41 | -13 | -2 | | |
| 30 | 13 | 1 | -19 | -5 | | |
| 31 | 13 | 21 | -25 | 6 | | |
| 32 | 13 | 41 | -29 | -26 | | |
| 33 | 14 | 2 | -29 | -29 | | |
| 34 | 14 | 22 | -28 | -28 | | |
| 35 | 14 | 42 | -28 | -28 | | |
| 36 | 15 | 2 | -28 | -27 | | |
| 37 | 15 | 22 | -26 | -26 | | |
| 38 | 15 | 43 | -27 | -27 | | |
| 39 | 16 | 3 | -28 | -24 | | |
| 40 | 16 | 23 | -28 | -17 | | |
| 41 | 16 | 43 | -28 | -15 | | |
| 42 | 17 | 3 | -27 | -13 | | |
| 43 | 17 | 23 | -29 | -13 | | |
| 44 | 17 | 43 | -29 | -14 | | |
| 45 | 18 | 3 | -24 | -14 | | |

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

| -01 SWEEP COUNT | A-02 TIME MIN. | A-03 TIME SEC. | A-23 | | A-24 | |
|-----------------------|----------------------|----------------------|--|-------------------------------|---|--|
| | | | ENG.2 COOLFR AIR INLET DEG.C | OIL AIR OUTLET DEG.C | ENG.2 OIL COOLER AIR INLET DEG.C | ENG.2 OIL COOLER AIR OUTLET DEG.C |
| 96 | 40 | 34 | | | | 1 |
| 97 | 41 | 34 | -14 | -14 | | 1 |
| 98 | 41 | 34 | -15 | -15 | | 2 |
| 99 | 41 | 34 | -14 | -14 | | 3 |
| 100 | 41 | 34 | -14 | -14 | | 4 |
| 101 | 42 | 34 | -14 | -14 | | 3 |
| 102 | 42 | 34 | -14 | -14 | | 3 |
| 103 | 42 | 34 | -14 | -14 | | 3 |
| 104 | 43 | 34 | -14 | -14 | | 3 |
| 105 | 43 | 34 | -15 | -15 | | 4 |
| 106 | 43 | 34 | -14 | -14 | | 4 |
| 107 | 44 | 34 | -14 | -14 | | 2 |
| 108 | 44 | 34 | -15 | -15 | | 3 |
| 109 | 44 | 34 | -14 | -14 | | 4 |
| 110 | 45 | 34 | -15 | -15 | | 5 |
| 111 | 45 | 34 | -15 | -15 | | 5 |
| 112 | 45 | 34 | -15 | -15 | | 3 |
| 113 | 46 | 34 | -14 | -14 | | 2 |
| 114 | 46 | 34 | -15 | -15 | | 2 |
| 115 | 49 | 20 | -14 | -14 | | 3 |
| 116 | 49 | 40 | -14 | -14 | | 2 |
| 117 | 50 | 0 | -14 | -14 | | 3 |
| 118 | 51 | 59 | -14 | -14 | | 2 |
| 119 | 52 | 19 | -14 | -14 | | 3 |
| 120 | 52 | 39 | -14 | -14 | | 3 |
| 121 | 54 | 38 | -14 | -14 | | 4 |
| 122 | 55 | 0 | -14 | -14 | | 5 |
| 123 | 55 | 20 | -14 | -14 | | 2 |
| 124 | 56 | 37 | -13 | -13 | | 0 |
| 125 | 56 | 57 | -13 | -13 | | 1 |
| 126 | 57 | 10 | -13 | -13 | | 1 |
| 127 | 57 | 38 | -13 | -13 | | 2 |
| 128 | 57 | 58 | -12 | -12 | | 2 |
| 129 | 58 | 18 | -13 | -13 | | 2 |
| 130 | 58 | 38 | -12 | -12 | | 2 |
| 131 | 58 | 58 | -13 | -13 | | 3 |
| 132 | 59 | 18 | -12 | -12 | | 4 |
| 133 | 59 | 38 | -12 | -12 | | 3 |
| 134 | 59 | 58 | -12 | -12 | | 2 |
| 135 | 60 | 18 | -13 | -13 | | 2 |
| 136 | 60 | 38 | -13 | -13 | | 2 |
| 137 | 60 | 57 | -13 | -13 | | 3 |
| 138 | 61 | 17 | -12 | -12 | | 3 |
| 139 | 61 | 37 | -13 | -13 | | 3 |
| 140 | 62 | 35 | -13 | -13 | | 3 |
| 141 | 62 | 55 | -14 | -14 | | 1 |
| 142 | 63 | 15 | -14 | -14 | | 1 |
| 143 | 63 | 15 | -15 | -15 | | 0 |
| 144 | 63 | 35 | -14 | -14 | | 0 |
| 145 | 65 | 55 | -15 | -15 | | 0 |
| 146 | 66 | 14 | -16 | -16 | | 0 |

| -01 SWEEP COUNT | 8-02 TIME MIN. | 8-03 TIME SEC. | 8-23 | | 8-24 | |
|-----------------------|----------------------|----------------------|--|-------------------------------|--|-------------------------------|
| | | | ENG.2 COOLER AIR INLET DEG.C | OIL AIR OUTLET DEG.C | ENG.2 OIL COOLER AIR OUTLET DEG.C | OIL AIR OUTLET DEG.C |
| 147 | 67 | 12 | -14 | -14 | -2 | -2 |
| 148 | 67 | 31 | -16 | -16 | -6 | -6 |
| 149 | 67 | 50 | -17 | -17 | -9 | -9 |
| 150 | 68 | 10 | -18 | -18 | -12 | -12 |
| 151 | 68 | 30 | -17 | -17 | -16 | -16 |
| 152 | 68 | 50 | -19 | -19 | -16 | -16 |
| 153 | 69 | 9 | -25 | -25 | -23 | -23 |
| 154 | 69 | 29 | -27 | -27 | -26 | -26 |
| 155 | 69 | 49 | -26 | -26 | -27 | -27 |
| 156 | 70 | 9 | -28 | -28 | -27 | -27 |
| 157 | 70 | 29 | -27 | -27 | -27 | -27 |
| 158 | 70 | 49 | -27 | -27 | -27 | -27 |
| 159 | 71 | 9 | -27 | -27 | -26 | -26 |
| 160 | 71 | 28 | -27 | -27 | -27 | -27 |
| 161 | 71 | 48 | -27 | -27 | -26 | -26 |
| 162 | 72 | 8 | -28 | -28 | -27 | -27 |
| 163 | 72 | 28 | -27 | -27 | -27 | -27 |
| 164 | 72 | 48 | -24 | -24 | -22 | -22 |
| 165 | 73 | 8 | -19 | -19 | -16 | -16 |
| 166 | 73 | 28 | -23 | -23 | -16 | -16 |
| 167 | 73 | 48 | -19 | -19 | -5 | -5 |
| 168 | 74 | 8 | -27 | -27 | -20 | -20 |
| 169 | 74 | 28 | -25 | -25 | -23 | -23 |
| 170 | 74 | 48 | -22 | -22 | -21 | -21 |
| 171 | 75 | 8 | -22 | -22 | -21 | -21 |
| 172 | 75 | 28 | -21 | -21 | -18 | -18 |
| 173 | 75 | 47 | -18 | -18 | -16 | -16 |
| 174 | 76 | 7 | -18 | -18 | -15 | -15 |
| 175 | 76 | 28 | -27 | -27 | -25 | -25 |
| 176 | 76 | 48 | -26 | -26 | -25 | -25 |
| 177 | 79 | 8 | -26 | -26 | -24 | -24 |
| 178 | 79 | 28 | -26 | -26 | -24 | -24 |
| 179 | 79 | 48 | -27 | -27 | -25 | -25 |
| 180 | 80 | 8 | -26 | -26 | -26 | -26 |
| 181 | 80 | 28 | -25 | -25 | -24 | -24 |
| 182 | 80 | 48 | -22 | -22 | -17 | -17 |
| 183 | 81 | 4 | -20 | -20 | -14 | -14 |
| 184 | 81 | 28 | -26 | -26 | -15 | -15 |
| 185 | 81 | 48 | -26 | -26 | -20 | -20 |
| 186 | 82 | 7 | -27 | -27 | -24 | -24 |
| 187 | 82 | 27 | -25 | -25 | -24 | -24 |
| 188 | 82 | 47 | -27 | -27 | -24 | -24 |
| 189 | 83 | 7 | -26 | -26 | -25 | -25 |
| 190 | 83 | 27 | -25 | -25 | -24 | -24 |
| 191 | 83 | 47 | -25 | -25 | -23 | -23 |
| 192 | 84 | 6 | -25 | -25 | -23 | -23 |
| 193 | 84 | 26 | -24 | -24 | -22 | -22 |
| 194 | 84 | 46 | -25 | -25 | -23 | -23 |
| 195 | 85 | 6 | -25 | -25 | -22 | -22 |
| 196 | 85 | 26 | -25 | -25 | -23 | -23 |

| -01 SHEEO COUNT | A-02 TIME MIN. | A-03 TIME SEC. | 8-23 | | 8-24 | |
|-----------------------|----------------------|----------------------|--|------------------------------|--|-------------------------------|
| | | | ENG.2 COOLER AIR INLET DEG.C | OIL AIR INLET DEG.C | ENG.2 OIL COOLER AIR OUTLET DEG.C | OIL AIR OUTLET DEG.C |
| 197 | 85 | 46 | -21 | -26 | -17 | -24 |
| 198 | 86 | 6 | -24 | -24 | -24 | -24 |
| 199 | 86 | 26 | -22 | -24 | -20 | -24 |
| 200 | 86 | 45 | -24 | -24 | -28 | -28 |
| 201 | 87 | 5 | -26 | -27 | -26 | -26 |
| 202 | 87 | 25 | -25 | -27 | -25 | -26 |
| 203 | 87 | 45 | -25 | -27 | -23 | -26 |
| 204 | 88 | 5 | -26 | -27 | -23 | -26 |
| 205 | 88 | 25 | -27 | -26 | -24 | -26 |
| 206 | 88 | 45 | -26 | -26 | -23 | -26 |
| 207 | 89 | 4 | -26 | -26 | -23 | -26 |
| 208 | 89 | 25 | -26 | -26 | -23 | -26 |
| 209 | 89 | 44 | -26 | -26 | -24 | -26 |
| 210 | 90 | 4 | -26 | -26 | -24 | -26 |
| 211 | 90 | 24 | -26 | -26 | -25 | -26 |
| 212 | 90 | 44 | -27 | -27 | -25 | -26 |
| 213 | 91 | 4 | -27 | -27 | -24 | -26 |
| 214 | 91 | 24 | -26 | -26 | -23 | -26 |
| 215 | 91 | 44 | -26 | -26 | -24 | -26 |
| 216 | 92 | 4 | -26 | -26 | -24 | -26 |
| 217 | 92 | 24 | -27 | -27 | -25 | -26 |
| 218 | 92 | 43 | -26 | -26 | -25 | -26 |
| 219 | 93 | 3 | -26 | -26 | -23 | -26 |
| 220 | 93 | 23 | -22 | -26 | -20 | -26 |
| 221 | 93 | 43 | -26 | -26 | -16 | -26 |
| 222 | 94 | 3 | -26 | -26 | -22 | -26 |
| 223 | 94 | 23 | -27 | -26 | -23 | -26 |
| 224 | 94 | 42 | -26 | -26 | -24 | -26 |
| 225 | 95 | 2 | -26 | -26 | -24 | -26 |
| 226 | 95 | 22 | -26 | -26 | -23 | -26 |
| 227 | 95 | 42 | -27 | -26 | -23 | -26 |
| 228 | 96 | 1 | -26 | -26 | -24 | -26 |
| 229 | 96 | 21 | -27 | -26 | -24 | -26 |
| 230 | 96 | 41 | -26 | -26 | -25 | -26 |
| 231 | 97 | 1 | -26 | -26 | -25 | -26 |
| 232 | 97 | 20 | -22 | -22 | -22 | -26 |
| 233 | 97 | 40 | -22 | -22 | -15 | -26 |
| 234 | 98 | 0 | -17 | -17 | -3 | -26 |
| 235 | 98 | 20 | -16 | -16 | 1 | -26 |
| 236 | 98 | 40 | -16 | -16 | 0 | -26 |
| 237 | 99 | 0 | -14 | -14 | 3 | -26 |
| 238 | 99 | 19 | -17 | -17 | 0 | -26 |
| 239 | 99 | 39 | -20 | -20 | -1 | -26 |
| 240 | 99 | 59 | -27 | -27 | -14 | -26 |
| 241 | 100 | 79 | -26 | -26 | -16 | -26 |
| 242 | 100 | 99 | -20 | -26 | -20 | -26 |
| 243 | 100 | 58 | -26 | -26 | -21 | -26 |
| 244 | 101 | 18 | -27 | -27 | -22 | -26 |
| 245 | 101 | 38 | -27 | -27 | -21 | -26 |
| 246 | 101 | 58 | -27 | -27 | -22 | -26 |

| -01 SWEEP COUNT | 8-02 TIME MIN. | 8-03 TIME SEC. | 8-23 ENG.2 OIL COOLER AIR INLET DEG.C | 8-24 ENG.2 OIL COOLER AIR OUTLET DEG.C |
|-----------------------|----------------------|----------------------|---|--|
| 247 | 102 | 18 | -24 | -18 |
| 248 | 102 | 37 | -25 | -18 |
| 249 | 102 | 57 | -21 | -13 |
| 250 | 103 | 17 | -23 | -6 |
| 251 | 103 | 37 | -23 | -7 |
| 252 | 103 | 57 | -25 | -11 |
| 253 | 104 | 16 | -25 | -13 |
| 254 | 104 | 36 | -24 | -13 |
| 255 | 104 | 56 | -26 | -14 |
| 256 | 105 | 16 | -26 | -13 |
| 257 | 105 | 36 | -26 | -15 |
| 258 | 105 | 55 | -27 | -19 |
| 259 | 106 | 15 | -27 | -21 |
| 260 | 106 | 35 | -26 | -21 |
| 261 | 106 | 55 | -26 | -20 |
| 262 | 107 | 15 | -24 | -17 |
| 263 | 107 | 34 | -26 | -18 |
| 264 | 107 | 54 | -23 | -18 |
| 265 | 108 | 14 | -19 | -12 |
| 266 | 108 | 34 | -19 | -9 |
| 269 | 109 | 33 | -19 | -10 |
| 270 | 109 | 53 | -18 | -11 |
| 271 | 110 | 12 | -20 | -13 |
| 272 | 110 | 32 | -25 | -21 |
| 273 | 110 | 51 | -27 | -25 |
| 274 | 111 | 11 | -24 | -25 |
| 275 | 111 | 31 | -26 | -21 |
| 276 | 111 | 51 | -23 | -22 |
| 277 | 112 | 10 | -23 | -17 |
| 278 | 112 | 30 | -20 | -15 |
| 279 | 112 | 50 | -24 | -15 |
| 280 | 113 | 10 | -21 | -16 |
| 281 | 113 | 29 | -26 | -21 |
| 282 | 113 | 49 | -24 | -26 |
| 283 | 114 | 9 | -26 | -24 |
| 284 | 114 | 29 | -26 | -23 |
| 285 | 114 | 48 | -23 | -19 |
| 286 | 115 | 8 | -27 | -23 |
| 287 | 115 | 28 | -25 | -23 |
| 288 | 115 | 47 | -27 | -25 |
| 289 | 116 | 7 | -25 | -24 |
| 290 | 116 | 27 | -25 | -23 |
| 291 | 116 | 46 | -26 | -25 |
| 292 | 117 | 6 | -26 | -24 |
| 293 | 117 | 25 | -25 | -19 |
| 294 | 117 | 45 | -23 | -6 |
| 295 | 118 | 4 | -21 | 0 |
| 296 | 118 | 24 | -21 | -0 |
| 297 | 118 | 44 | -20 | 0 |
| 298 | 119 | 3 | -17 | -1 |

| -01 SWEEP COUNT | 8-02 TIME MIN. | 8-03 TIME SEC. | 8-22 ENG.#2 OIL COOLER ATP INLET NEG.C | 8-24 ENG.#2 OIL COOLER ATP OUTLET NEG.C |
|-----------------------|----------------------|----------------------|--|---|
| 299 | 119 | 23 | -10 | -4 |
| 300 | 119 | 42 | -8 | -4 |
| 301 | 120 | 2 | -8 | -4 |
| 302 | 120 | 21 | -4 | -4 |
| 303 | 120 | 41 | -1 | -6 |
| 304 | 121 | 0 | -2 | -6 |
| 305 | 121 | 20 | -4 | 1 |
| 306 | 121 | 39 | -6 | 2 |
| 307 | 121 | 59 | -8 | 3 |
| 308 | 122 | 19 | -9 | 6 |
| 309 | 122 | 18 | -9 | 8 |
| 310 | 122 | 58 | -11 | 10 |
| 311 | 122 | 58 | -11 | 10 |
| 312 | 123 | 17 | -12 | 10 |

RUN 21, -40°C/-40°F, 25 FEBRUARY 1971

(Second stage hydraulic system cooling characteristics)

Test Synopsis:

Soak time: 12 hours at -38 to -42°C (about -40°C average)

Start temperature: -42°C

Instrumentation: full

Heat application: minimum heat to instrumentation system (ground test)

The intent of this run was to perform a systems ground test of the following:

Heater operation

APP start

APP modified speed monitor

New steel primary flight control servos

New utility reservoir

Since instrumentation data were desired, it was necessary to apply heat to the instrumentation system. It was, however, kept to the absolute minimum.

The second stage hydraulic system was pressurized for over 30 minutes without rotor operation, thus excellent data are provided for the cooling characteristics of this system. It should be noted (reference parameters 4-12 and 4-14) that the second stage hydraulic temperature was continually rising as long as the system was pressurized. It should be noted by reference to positions 2-11 and 2-12 that the AFCS was not activated (the additional cooling from these lines was not available).

The optimum heat distribution was not obtained from the aircraft heater. This was mainly due to damaged ducting and outlet adjustment controls.

Pertinent information.

Modified APP start valve installed.

Heavy duty APP clutch installed.

Modified APP speed monitor installed.

New steel primary flight control servos installed.

Defective test parameters not presented (unless indicated otherwise).

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

4-13 - Second stage hydraulic pump outlet temperature.

Photorecorder, position 10b, APP start motor inlet pressure.

Test parameters not connected or not presented.

Note

Because the engines were not operated, the engine test parameters (in boxes 1, 5, 6, 7, and 8) are not presented.

- 2-16 and 2-17 - Rudder hydraulic control pressure (not presented).
- 2-18 - Wheel brake return pressure (not presented).
- 2-19 through 2-26 - Heater output airflow differential pressure (not presented).
- 4-9 and 4-10 - First stage hydraulic pump fluid temperature (not presented).
- 5-28 - Fuel tank fuel temperature (not presented).

Event Sheet:

| <u>CTR</u> | <u>Event</u> |
|------------|---|
| 7 | APP - first start; both start accumulators used with 4,000-psi charge; 96% clutch engagement |
| 19 | APP - shutdown |
| 26 | APP - second start; both start accumulators used with 3,000-psi charge; 92% clutch engagement |
| 32 | APP - shutdown |
| 37 | APP - third start; both start accumulators used with 3,000-psi charge; 97% clutch engagement |
| 44 | APP - shutdown |
| 47 | APP - fourth start; both start accumulators used with 3,000-psi charge; 100% clutch engagement. |
| 52 | APP - shutdown |
| 59 | APP - fifth start; both start accumulators used with 3,000-psi charge; 92% clutch engagement |
| 60 | Heater - start, CABIN SELECT POSITION, heat rheostat at 13 o'clock position (60%) |

Note

HEATER DUCT CONTROL POSITIONS:

Cabin forward upper duct (position 3-11) - closed. Pilot's underseat vents - 50% open. Pilot's overhead outlets (positions 3-13 and 3-17) - closed.

| | |
|-----|-------------------------------|
| 86 | Crew door - open, then closed |
| 141 | Crew door - open |
| 145 | Heater - shutdown |
| 165 | End test |

PHOTO RECORDER DATA

Run 21, -40°C/-40°F 25 Feb 1971

APP Start (First Start)

| Digital Ctr No. | Camera Frame No. | Digital Time (sec) | Clock Time | Elapsed Time (sec) | Start Motor Inlet Press. (psig) | Start Motor Outlet Press. (psig) | rpm (pct) | EGT (deg C) | Oil Press. (psig) | Oil Temp (deg C) | Start Light Speed Monitor Position OFF-Start ON-Run | |
|-----------------|------------------|--------------------|------------|--------------------|---------------------------------|----------------------------------|-----------|-------------|-------------------|------------------|---|---|
| 7 | 143 | 583 | 1745 | 0.00 | * | 0 | 0.0 | 0 | 0 | -30 | START | |
| | 144 | 583 | ↑ | 0.25 | | 0 | 0.5 | 0 | 0 | ↑ | ↑ | |
| | 145 | 583 | | 0.50 | | 0 | 8.0 | 0 | 0 | | | |
| | 146 | 583 | | 0.75 | | 0 | 18.0 | 0 | 0 | | | |
| | 147 | 584 | | 1.00 | | 0 | 22.0 | 0 | 0 | | | |
| | 150 | 584 | | 1.75 | | 0 | 32.0 | 60 | 0 | | | |
| | 153 | 585 | | 2.50 | | 30 | 38.0 | 120 | 0 | | | |
| | 156 | 586 | | 3.25 | | 50 | 45.0 | 160 | 0 | | | |
| | 158 | 586 | | 3.75 | | 50 | 60.0 | 190 | 5 | | | |
| | 161 | 587 | | 4.50 | | 60 | 62.0 | 250 | 25 | | | |
| | 163 | 587 | | 5.00 | | 60 | 78.0 | 300 | 48 | | | |
| | 166 | 588 | | 5.75 | | 30 | 96.0 | 356 | 90 | | | |
| | 167 | 588 | | 6.00 | | 20 | 96.0 | 349 | 96 | | | |
| | 168 | 589 | | 6.25 | | ↑ | 96.0 | 329 | 100 | | | |
| | 169 | 589 | | 6.50 | | | 96.0 | 319 | ↑ | | | |
| | 170 | 589 | | 6.75 | | | 96.0 | 309 | | | | |
| | 171 | 589 | | 7.00 | | | 94.0 | 309 | | | | |
| 172 | 590 | 7.25 | | | 92.0 | | 305 | | | | | |
| 173 | 590 | 7.50 | | 90.0 | 305 | | | | | | | |
| 177 | 591 | 8.50 | | 92.0 | 313 | | | | | | | |
| 181 | 592 | 9.50 | | 94.0 | 319 | | | | | | | |
| 182 | 592 | 9.75 | | 97.0 | 319 | | | | | | | |
| 185 | 593 | 10.50 | | 101.0 | 319 | | | | | | | |
| 7 | 191 | 594 | ↓ | 12.00 | | | 101.0 | 315 | | ↓ | | |
| 8 | 211 | 599 | 1745 | 17.00 | | | 101.5 | 311 | | | 100 | |
| 9 | 212 | 615 | 1746 | 33 | | | 102.0 | 307 | | | 58 | |
| 12 | 215 | 676 | 1747 | 94 | | | 102.0 | 305 | | | 41 | |
| 19 | 222 | 819 | 1749 | 237 | 20 | | 101.5 | 293 | | | 36 | |
| 20 | 223 | 839 | 1750 | 257 | 0 | | 10.0 | 137 | | | 3.5 | |
| 21 | 224 | 860 | 1750 | 278 | 0 | | 1.0 | 153 | | | 2 | |
| 24 | 227 | 921 | 1751 | 339 | 0 | 0.0 | 149 | 0 | | | | |
| | | | | | | | | | | | -30 | ↓ |
| | | | | | | | | | | | -10 | ↓ |
| | | | | | | | | | | | -10 | ↓ |
| | | | | | | | | | | | -10 | ↓ |
| | | | | | | | | | | | -10 | ↓ |
| | | | | | | | | | | | -10 | ↓ |
| | | | | | | | | | | | -10 | ↓ |
| | | | | | | | | | | | -10 | ↓ |

*Defective instrumentation.

HM-51C S/N 6A-13354
 APOCIC TEST
 25 FEBRUARY 1971
 RUN NO. 21 -43 DEG C/ -43 DEG F

| SPEED COUNT | 2-02 | | 2-03 | | 1-04 | | 1-23 | | 2-08 | | 2-10 | | 2-11 | | 2-12 | | 2-13 | | 2-14 | | 2-15 | |
|----------------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|
| | TIME MIN. | SEC. | TIME MIN. | SEC. | TIME MIN. | SEC. | TIME MIN. | SEC. | TIME MIN. | SEC. | TIME MIN. | SEC. | TIME MIN. | SEC. | TIME MIN. | SEC. | TIME MIN. | SEC. | TIME MIN. | SEC. | TIME MIN. | SEC. |
| 1 | 7 | | 33 | | -35 | | 0 | | 5 | | + | | 10 | | 0 | | 3 | | 8 | | 15 | |
| 2 | 7 | | 54 | | -36 | | 1 | | 10 | | * | | 6 | | 0 | | 4 | | 0 | | 18 | |
| 3 | 7 | | 36 | | -36 | | 0 | | 5 | | * | | 8 | | 0 | | 2 | | 0 | | 6 | |
| 4 | 8 | | 35 | | -35 | | 0 | | 10 | | * | | 18 | | 0 | | 4 | | 0 | | 18 | |
| 5 | 8 | | 55 | | -35 | | 0 | | 0 | | * | | 4 | | 2 | | 6 | | 0 | | 19 | |
| 6 | 9 | | 16 | | -36 | | 0 | | 10 | | * | | 9 | | 0 | | 4 | | 0 | | 0 | |
| 7 | 9 | | 36 | | -36 | | 0 | | 5 | | * | | 4 | | -6 | | 6 | | 0 | | 18 | |
| 8 | 9 | | 57 | | -36 | | 26 | | 313 | | 2927 | | 42 | | 40 | | 136 | | 30 | | 3187 | |
| 9 | 10 | | 17 | | -36 | | 24 | | 3126 | | 3001 | | 42 | | 26 | | 136 | | 30 | | 3144 | |
| 0 | 10 | | 37 | | -36 | | 29 | | 3105 | | 3121 | | 40 | | 20 | | 136 | | 24 | | 3136 | |
| 11 | 10 | | 50 | | -36 | | 35 | | 3085 | | 2995 | | 44 | | 26 | | 124 | | 24 | | 3132 | |
| 12 | 11 | | 18 | | -36 | | 31 | | 3065 | | 2996 | | 44 | | 28 | | 144 | | 28 | | 3128 | |
| 13 | 11 | | 39 | | -36 | | 35 | | 3095 | | 2986 | | 50 | | 28 | | 138 | | 28 | | 3134 | |
| 14 | 11 | | 59 | | -36 | | 36 | | 3200 | | 2996 | | 45 | | 36 | | 138 | | 30 | | 3130 | |
| 15 | 12 | | 19 | | -36 | | 43 | | 3118 | | 2991 | | 46 | | 30 | | 140 | | 30 | | 3136 | |
| 16 | 12 | | 40 | | -36 | | 37 | | 3095 | | 3031 | | 44 | | 26 | | 140 | | 30 | | 3140 | |
| 17 | 13 | | 0 | | -36 | | 37 | | 3095 | | 2991 | | 42 | | 35 | | 142 | | 30 | | 3136 | |
| 18 | 13 | | 21 | | -36 | | 36 | | 3118 | | 2981 | | 44 | | 28 | | 144 | | 31 | | 3132 | |
| 19 | 13 | | 41 | | -36 | | 27 | | 2980 | | 2897 | | 44 | | 26 | | 144 | | 31 | | 3138 | |
| 0 | 14 | | 2 | | -36 | | 1 | | 375 | | 313 | | 12 | | 2 | | 149 | | 31 | | 3134 | |
| 21 | 14 | | 22 | | -37 | | 0 | | 10 | | 114 | | 6 | | 0 | | 16 | | 1 | | 3130 | |
| 22 | 14 | | 42 | | -36 | | 1 | | 10 | | 49 | | 4 | | 0 | | 10 | | 1 | | 3136 | |
| 23 | 15 | | 3 | | -36 | | 0 | | 10 | | 0 | | 6 | | 0 | | 5 | | 1 | | 3132 | |
| 24 | 15 | | 23 | | -36 | | 0 | | 5 | | 0 | | 14 | | 0 | | 20 | | 1 | | 3138 | |
| 25 | 15 | | 44 | | -36 | | 0 | | 10 | | * | | 14 | | 1 | | 14 | | 1 | | 3134 | |
| 26 | 16 | | 4 | | -36 | | 1 | | 5 | | * | | 16 | | -2 | | 36 | | 5 | | 3140 | |
| 27 | 16 | | 25 | | -36 | | 38 | | 3095 | | 2986 | | 44 | | 30 | | 140 | | 20 | | 3136 | |
| 28 | 16 | | 45 | | -36 | | 36 | | 3085 | | 3001 | | 44 | | 36 | | 144 | | 28 | | 3132 | |
| 29 | 17 | | 6 | | -36 | | 38 | | 3055 | | 3301 | | 48 | | 38 | | 144 | | 28 | | 3138 | |
| 0 | 17 | | 26 | | -36 | | 38 | | 3065 | | 3001 | | 44 | | 30 | | 142 | | 30 | | 3134 | |
| 31 | 17 | | 45 | | -36 | | 46 | | 3055 | | 2991 | | 44 | | 29 | | 144 | | 29 | | 3140 | |
| 32 | 18 | | 7 | | -36 | | 39 | | 3085 | | 2991 | | 44 | | 36 | | 146 | | 30 | | 3136 | |
| 33 | 18 | | 27 | | -36 | | 0 | | 705 | | 616 | | 44 | | 36 | | 146 | | 30 | | 3142 | |
| 34 | 19 | | 48 | | -36 | | 0 | | 265 | | 283 | | 20 | | 4 | | 174 | | 2 | | 3138 | |
| 35 | 19 | | 0 | | -36 | | 1 | | 13 | | 39 | | 8 | | 0 | | 20 | | 1 | | 3144 | |
| 36 | 19 | | 29 | | -36 | | 0 | | 6 | | * | | 16 | | 0 | | 12 | | 1 | | 3140 | |
| 37 | 19 | | 49 | | -36 | | 1 | | 5 | | * | | 10 | | 2 | | 14 | | 1 | | 3146 | |
| 38 | 20 | | 10 | | -36 | | 17 | | 3065 | | 3081 | | 48 | | 30 | | 142 | | 31 | | 3142 | |
| 39 | 20 | | 30 | | -36 | | 36 | | 2985 | | 3085 | | 42 | | 36 | | 142 | | 31 | | 3148 | |
| 0 | 20 | | 51 | | -36 | | 38 | | 3110 | | 2996 | | 48 | | 30 | | 142 | | 31 | | 3144 | |
| 41 | 21 | | 11 | | -36 | | 38 | | 3080 | | 2981 | | 48 | | 28 | | 140 | | 28 | | 3150 | |
| 42 | 21 | | 32 | | -36 | | 39 | | 3085 | | 2981 | | 44 | | 29 | | 146 | | 29 | | 3146 | |
| 43 | 21 | | 52 | | -36 | | 36 | | 3065 | | 2981 | | 44 | | 24 | | 146 | | 29 | | 3152 | |
| 44 | 22 | | 13 | | -36 | | 34 | | 3045 | | 2981 | | 44 | | 32 | | 148 | | 30 | | 3148 | |
| 45 | 22 | | 33 | | -36 | | 0 | | 315 | | 213 | | 10 | | 2 | | 122 | | 31 | | 3154 | |

| SMFEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 1-04 IND FREE | 1-04 AIR TEMP | 1-04 DEG.C | 1-23 ACCESS GEAR | 1-23 OIL PRESS | 2-00 2STAGE HYD. PUMP INLET PRESS | 2-00 PSIG | 2-09 2STAGE HYD. PUMP OUTLET PRESS | 2-09 PSIG | 2-10 2STAGE HYD. SERVO CYL.) | 2-10 PSIG | 2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) | 2-11 PSIG | 2-12 2STAGE AFCS 2 (ROLL /YAW CHAN) | 2-12 PSIG | 2-13 UTIL. HYD. AFCS 2 P/R CHAN) | 2-13 PSIG | 2-14 UTIL. HYD. PUMP INLET PRESS | 2-14 PSIG | 2-15 UTIL. HYD. PUMP OUTLET PRESS | 2-15 PSIG |
|----------------|----------------------|----------------------|---------------------|---------------------|---------------|------------------------|----------------------|--|--------------|---|--------------|--|--------------|--|--------------|--|--------------|---|--------------|---|--------------|--|--------------|
| 46 | 22 | 54 | -36 | 0 | 0 | 0 | 0 | 1 | 25 | 59 | 6 | 59 | 6 | 6 | 6 | 2 | 20 | 20 | 1 | 1 | 15 | | |
| 47 | 23 | 14 | -35 | 1 | 0 | 0 | 0 | 0 | 6 | 0 | 10 | 0 | 10 | 10 | 4 | 4 | 22 | 22 | 1 | 1 | 10 | | |
| 48 | 23 | 35 | -36 | 36 | 36 | 32 | 3960 | 31 | 3060 | 3001 | 44 | 3001 | 44 | 44 | 30 | 30 | 152 | 152 | 32 | 32 | 3141 | | |
| 49 | 23 | 55 | -35 | 37 | 37 | 31 | 3060 | 32 | 2961 | 2961 | 48 | 2961 | 48 | 48 | 26 | 26 | 142 | 142 | 30 | 30 | 3141 | | |
| 0 | 24 | 16 | -36 | 37 | 37 | 32 | 3120 | 32 | 2981 | 2981 | 44 | 2981 | 44 | 44 | 30 | 30 | 144 | 144 | 29 | 29 | 3166 | | |
| 51 | 24 | 36 | -36 | 39 | 39 | 32 | 3100 | 32 | 2981 | 2981 | 40 | 2981 | 40 | 40 | 26 | 26 | 140 | 140 | 29 | 29 | 3120 | | |
| 52 | 24 | 57 | -36 | 36 | 36 | 32 | 3045 | 32 | 2986 | 2986 | 48 | 2986 | 48 | 48 | 24 | 24 | 142 | 142 | 28 | 28 | 3125 | | |
| 53 | 25 | 17 | -36 | 7 | 7 | 16 | 1020 | 16 | 720 | 720 | 22 | 720 | 22 | 22 | 6 | 6 | 118 | 118 | 4 | 4 | 292 | | |
| 54 | 25 | 38 | -36 | 0 | 0 | 0 | 164 | 0 | 164 | 164 | 16 | 164 | 16 | 16 | 4 | 4 | 28 | 28 | 4 | 4 | 10 | | |
| 55 | 25 | 58 | -36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -4 | -4 | 4 | 4 | 0 | 0 | 0 | | |
| 56 | 26 | 19 | -35 | 0 | 0 | 0 | 10 | 0 | 10 | 10 | 16 | 10 | 16 | 16 | 2 | 2 | 16 | 16 | 1 | 1 | 15 | | |
| 57 | 26 | 39 | -35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 14 | 14 | 1 | 1 | 16 | 16 | 1 | 1 | 15 | | |
| 58 | 27 | 0 | -36 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 10 | 10 | 1 | 1 | 12 | 12 | 1 | 1 | 15 | | |
| 59 | 27 | 20 | -35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 4 | 4 | 343 | | |
| 0 | 27 | 41 | -35 | 36 | 36 | 33 | 3060 | 33 | 2981 | 2981 | 50 | 2981 | 50 | 50 | 28 | 28 | 142 | 142 | 30 | 30 | 3132 | | |
| 61 | 28 | 2 | -36 | 37 | 37 | 32 | 3045 | 32 | 2947 | 2947 | 50 | 2947 | 50 | 50 | 26 | 26 | 148 | 148 | 30 | 30 | 3136 | | |
| 62 | 28 | 22 | -36 | 36 | 36 | 35 | 3120 | 35 | 2986 | 2986 | 32 | 2986 | 32 | 32 | 30 | 30 | 148 | 148 | 28 | 28 | 3136 | | |
| 63 | 28 | 43 | -35 | 38 | 38 | 32 | 3005 | 32 | 2917 | 2917 | 34 | 2917 | 34 | 34 | 24 | 24 | 140 | 140 | 28 | 28 | 3136 | | |
| 64 | 29 | 4 | -35 | 40 | 40 | 22 | 3080 | 22 | 2981 | 2981 | 40 | 2981 | 40 | 40 | 30 | 30 | 142 | 142 | 30 | 30 | 3161 | | |
| 65 | 29 | 24 | -35 | 38 | 38 | 26 | 3030 | 26 | 2658 | 2658 | 34 | 2658 | 34 | 34 | 28 | 28 | 140 | 140 | 32 | 32 | 3141 | | |
| 66 | 29 | 45 | -35 | 37 | 37 | 32 | 3060 | 32 | 2947 | 2947 | 40 | 2947 | 40 | 40 | 30 | 30 | 144 | 144 | 32 | 32 | 3146 | | |
| 67 | 30 | 6 | -35 | 33 | 33 | 32 | 3060 | 32 | 2972 | 2972 | 58 | 2972 | 58 | 58 | 20 | 20 | 134 | 134 | 38 | 38 | 3146 | | |
| 68 | 30 | 26 | -35 | 34 | 34 | 34 | 3030 | 34 | 2957 | 2957 | 44 | 2957 | 44 | 44 | 22 | 22 | 148 | 148 | 32 | 32 | 3141 | | |
| 69 | 30 | 46 | -35 | 34 | 34 | 40 | 3060 | 40 | 2932 | 2932 | 44 | 2932 | 44 | 44 | 26 | 26 | 136 | 136 | 32 | 32 | 3146 | | |
| 0 | 31 | 7 | -35 | 38 | 38 | 40 | 2995 | 40 | 2932 | 2932 | 48 | 2932 | 48 | 48 | 28 | 28 | 132 | 132 | 31 | 31 | 3180 | | |
| 71 | 31 | 27 | -35 | 34 | 34 | 21 | 1100 | 21 | 2972 | 2972 | 36 | 2972 | 36 | 36 | 36 | 36 | 150 | 150 | 32 | 32 | 3180 | | |
| 72 | 31 | 48 | -34 | 36 | 36 | 40 | 3805 | 40 | 2917 | 2917 | 40 | 2917 | 40 | 40 | 30 | 30 | 144 | 144 | 32 | 32 | 3185 | | |
| 73 | 32 | 0 | -35 | 35 | 35 | 32 | 3030 | 32 | 2897 | 2897 | 48 | 2897 | 48 | 48 | 18 | 18 | 140 | 140 | 32 | 32 | 3186 | | |
| 74 | 32 | 29 | -34 | 36 | 36 | 21 | 3060 | 21 | 3060 | 3060 | 46 | 3060 | 46 | 46 | 26 | 26 | 142 | 142 | 32 | 32 | 3242 | | |
| 75 | 32 | 49 | -34 | 36 | 36 | 32 | 3060 | 32 | 2937 | 2937 | 42 | 2937 | 42 | 42 | 36 | 36 | 148 | 148 | 32 | 32 | 3141 | | |
| 76 | 33 | 10 | -34 | 34 | 34 | 25 | 3045 | 25 | 2942 | 2942 | 36 | 2942 | 36 | 36 | 24 | 24 | 146 | 146 | 32 | 32 | 3120 | | |
| 77 | 33 | 30 | -33 | 35 | 35 | 21 | 3020 | 21 | 2962 | 2962 | 38 | 2962 | 38 | 38 | 36 | 36 | 146 | 146 | 33 | 33 | 3186 | | |
| 78 | 33 | 51 | -34 | 36 | 36 | 27 | 3050 | 27 | 2972 | 2972 | 36 | 2972 | 36 | 36 | 28 | 28 | 142 | 142 | 32 | 32 | 3186 | | |
| 79 | 34 | 11 | -33 | 35 | 35 | 21 | 3100 | 21 | 2937 | 2937 | 30 | 2937 | 30 | 30 | 24 | 24 | 140 | 140 | 32 | 32 | 3095 | | |
| 0 | 34 | 32 | -33 | 35 | 35 | 27 | 3020 | 27 | 2947 | 2947 | 30 | 2947 | 30 | 30 | 26 | 26 | 148 | 148 | 32 | 32 | 3136 | | |
| 81 | 34 | 53 | -33 | 35 | 35 | 27 | 3005 | 27 | 2917 | 2917 | 46 | 2917 | 46 | 46 | 24 | 24 | 142 | 142 | 32 | 32 | 3180 | | |
| 82 | 35 | 13 | -32 | 35 | 35 | 40 | 3065 | 40 | 2972 | 2972 | 46 | 2972 | 46 | 46 | 26 | 26 | 144 | 144 | 32 | 32 | 3141 | | |
| 83 | 35 | 34 | -33 | 32 | 32 | 21 | 3060 | 21 | 2937 | 2937 | 44 | 2937 | 44 | 44 | 30 | 30 | 146 | 146 | 33 | 33 | 3120 | | |
| 84 | 35 | 54 | -32 | 31 | 31 | 40 | 3120 | 40 | 2917 | 2917 | 40 | 2917 | 40 | 40 | 28 | 28 | 132 | 132 | 34 | 34 | 3188 | | |
| 85 | 36 | 15 | -32 | 36 | 36 | 25 | 3100 | 25 | 2932 | 2932 | 40 | 2932 | 40 | 40 | 24 | 24 | 142 | 142 | 33 | 33 | 3141 | | |
| 86 | 36 | 35 | -32 | 35 | 35 | 21 | 3060 | 21 | 2952 | 2952 | 32 | 2952 | 32 | 32 | 26 | 26 | 144 | 144 | 34 | 34 | 3180 | | |
| 87 | 36 | 56 | -32 | 33 | 33 | 41 | 3030 | 41 | 2937 | 2937 | 28 | 2937 | 28 | 28 | 24 | 24 | 144 | 144 | 32 | 32 | 3180 | | |
| 88 | 37 | 16 | -32 | 34 | 34 | 32 | 3065 | 32 | 2917 | 2917 | 26 | 2917 | 26 | 26 | 30 | 30 | 136 | 136 | 32 | 32 | 3080 | | |
| 89 | 37 | 36 | -32 | 32 | 32 | 33 | 3065 | 33 | 2937 | 2937 | 22 | 2937 | 22 | 22 | 24 | 24 | 140 | 140 | 32 | 32 | 3070 | | |
| 0 | 37 | 57 | -32 | 35 | 35 | 32 | 3100 | 32 | 2937 | 2937 | 20 | 2937 | 20 | 20 | 28 | 28 | 130 | 130 | 32 | 32 | 3045 | | |
| 91 | 38 | 17 | -33 | 33 | 33 | 36 | 3020 | 36 | 2932 | 2932 | 26 | 2932 | 26 | 26 | 24 | 24 | 140 | 140 | 30 | 30 | 3120 | | |
| 92 | 38 | 38 | -32 | 33 | 33 | 32 | 3020 | 32 | 2897 | 2897 | 28 | 2897 | 28 | 28 | 26 | 26 | 136 | 136 | 32 | 32 | 3070 | | |
| 93 | 38 | 53 | -31 | 32 | 32 | 27 | 3038 | 27 | 2962 | 2962 | 40 | 2962 | 40 | 40 | 28 | 28 | 140 | 140 | 34 | 34 | 3161 | | |
| 94 | 39 | 19 | -31 | 33 | 33 | 32 | 3005 | 32 | 2927 | 2927 | 44 | 2927 | 44 | 44 | 26 | 26 | 140 | 140 | 31 | 31 | 3178 | | |
| 95 | 39 | 39 | -32 | 34 | 34 | 40 | 3020 | 40 | 2952 | 2952 | 42 | 2952 | 42 | 42 | 25 | 25 | 140 | 140 | 32 | 32 | 3120 | | |

| 01 SWEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 1-04 END OFF AIR TEMP | 1-23 ACCESS GEAR BOX OIL PRESS | 2-09 2STAGE HYD. PUMP OUTLET PRESS | 2-10 2STAGE HYD. (AFT SERVO CYL.) | 2-11 2STAGE AFCS 1 (PITCH /ROLL CHAN) | 2-12 2STAGE AFCS 1 (COLL. /YAW CHAN) | 2-13 UTIL. HYD. AFCS 2 (P/R CHAN) | 2-14 UTIL. HYD. PUMP INLET PRESS | 2-15 UTIL. HYD. PUMP OUTLET PRESS |
|----------------------|----------------------|----------------------|-----------------------------------|---|---|--|--|---|--|---|--|
| 96 | 40 | 0 | -12 | 15 | 3070 | 2981 | 40 | 38 | 188 | 32 | 3180 |
| 97 | 46 | 20 | -32 | 32 | 1180 | 2932 | 46 | 38 | 144 | 29 | 3141 |
| 98 | 40 | 41 | -32 | 33 | 3028 | 2937 | 36 | 24 | 188 | 31 | 3078 |
| 99 | 41 | 1 | -32 | 34 | 3020 | 2947 | 48 | 38 | 148 | 32 | 3065 |
| 90 | 41 | 22 | -32 | 33 | 3065 | 2942 | 44 | 38 | 142 | 30 | 3000 |
| 100 | 41 | 42 | -32 | 34 | 3005 | 2952 | 42 | 24 | 188 | 32 | 3020 |
| 101 | 42 | 2 | -32 | 35 | 3005 | 2937 | 22 | 28 | 148 | 32 | 3121 |
| 102 | 42 | 23 | -33 | 37 | 3038 | 2917 | 40 | 24 | 188 | 32 | 3098 |
| 103 | 42 | 43 | -32 | 34 | 3045 | 2952 | 40 | 34 | 144 | 32 | 3109 |
| 104 | 43 | 4 | -33 | 31 | 3000 | 2942 | 46 | 20 | 188 | 32 | 3060 |
| 105 | 43 | 24 | -33 | 34 | 3030 | 2937 | 48 | 30 | 144 | 32 | 3132 |
| 106 | 43 | 45 | -33 | 33 | 3010 | 2942 | 40 | 26 | 188 | 33 | 3128 |
| 107 | 44 | 5 | -33 | 33 | 3060 | 2932 | 48 | 26 | 188 | 34 | 3136 |
| 108 | 44 | 26 | -33 | 34 | 2995 | 2937 | 48 | 26 | 188 | 32 | 3188 |
| 109 | 44 | 46 | -33 | 35 | 3025 | 2932 | 48 | 35 | 182 | 32 | 3085 |
| 110 | 45 | 6 | -33 | 34 | 3060 | 2932 | 48 | 32 | 182 | 32 | 3129 |
| 111 | 45 | 27 | -33 | 37 | 3026 | 2932 | 58 | 34 | 188 | 33 | 3164 |
| 112 | 45 | 47 | -33 | 38 | 3060 | 2937 | 38 | 28 | 188 | 33 | 3128 |
| 113 | 46 | 8 | -33 | 32 | 3048 | 2917 | 46 | 32 | 188 | 32 | 3128 |
| 114 | 46 | 28 | -33 | 33 | 3040 | 2932 | 48 | 28 | 188 | 33 | 3098 |
| 115 | 46 | 49 | -32 | 32 | 3020 | 2917 | 48 | 28 | 188 | 28 | 3188 |
| 116 | 47 | 9 | -32 | 38 | 3060 | 2937 | 44 | 30 | 188 | 30 | 3161 |
| 117 | 47 | 30 | -33 | 32 | 3030 | 2937 | 46 | 36 | 188 | 30 | 3085 |
| 118 | 47 | 50 | -32 | 35 | 3050 | 2932 | 46 | 24 | 188 | 29 | 3171 |
| 119 | 48 | 11 | -32 | 38 | 3035 | 2912 | 44 | 24 | 188 | 34 | 3095 |
| 120 | 48 | 31 | -32 | 34 | 3085 | 2917 | 48 | 22 | 188 | 34 | 3078 |
| 121 | 48 | 52 | -33 | 32 | 3010 | 2907 | 40 | 26 | 182 | 38 | 3078 |
| 122 | 49 | 12 | -32 | 33 | 3038 | 2932 | 36 | 36 | 188 | 33 | 3098 |
| 123 | 49 | 33 | -32 | 36 | 3060 | 2942 | 46 | 34 | 184 | 34 | 3130 |
| 124 | 49 | 53 | -32 | 32 | 3045 | 2932 | 40 | 38 | 184 | 32 | 3085 |
| 125 | 50 | 14 | -32 | 37 | 3045 | 2942 | 38 | 32 | 182 | 33 | 3065 |
| 126 | 50 | 34 | -32 | 38 | 3035 | 2917 | 44 | 38 | 188 | 33 | 3144 |
| 127 | 50 | 55 | -32 | 36 | 3030 | 2922 | 48 | 38 | 188 | 33 | 3082 |
| 128 | 51 | 15 | -31 | 38 | 3062 | 2942 | 34 | 36 | 188 | 33 | 3082 |
| 129 | 51 | 35 | -31 | 37 | 3045 | 2917 | 44 | 38 | 188 | 34 | 3161 |
| 130 | 51 | 56 | -31 | 36 | 3038 | 2942 | 44 | 38 | 186 | 32 | 3166 |
| 131 | 52 | 16 | -31 | 34 | 3040 | 2927 | 46 | 38 | 188 | 32 | 3218 |
| 132 | 52 | 37 | -31 | 36 | 3060 | 2922 | 46 | 32 | 184 | 33 | 3088 |
| 133 | 52 | 57 | -31 | 35 | 3050 | 2917 | 34 | 36 | 188 | 32 | 3088 |
| 134 | 53 | 18 | -31 | 37 | 3045 | 2917 | 34 | 38 | 182 | 32 | 3068 |
| 135 | 53 | 38 | -31 | 32 | 3026 | 2907 | 42 | 38 | 184 | 33 | 3088 |
| 136 | 53 | 50 | -30 | 37 | 2995 | 2932 | 38 | 24 | 188 | 30 | 3151 |
| 137 | 54 | 19 | -30 | 36 | 3050 | 2932 | 50 | 34 | 188 | 31 | 3088 |
| 138 | 54 | 40 | -30 | 38 | 3050 | 2897 | 40 | 38 | 188 | 38 | 3121 |
| 139 | 55 | 0 | -30 | 37 | 3050 | 2932 | 48 | 30 | 188 | 32 | 3136 |
| 140 | 55 | 21 | -30 | 37 | 3060 | 2937 | 42 | 56 | 188 | 33 | 3088 |
| 141 | 55 | 41 | -30 | 37 | 3060 | 2922 | 48 | 30 | 188 | 32 | 3098 |
| 142 | 56 | 2 | -30 | 36 | 3030 | 2927 | 48 | 36 | 188 | 33 | 3088 |
| 143 | 56 | 22 | -30 | 38 | 3180 | 2917 | 52 | 34 | 184 | 38 | 3128 |
| 144 | 56 | 43 | -30 | 32 | 3045 | 2917 | 46 | 30 | 184 | 34 | 3146 |

| -01 SWEEP COUNT | 2-02 TIME MIN. | 2-03 TIME SEC. | 1-04 IND FREE TEMP DEG-C | 1-23 ACCESS GEAR OIL PRESS PSIG | 2-08 2STAGE HYD. PUMP INLET PRESS PSIG | 2-09 2STAGE HYD. PUMP OUTLET PRESS PSIG | 2-10 2STAGE HYD. SERVO CYL.) PRESS PSIG | 2-11 2STAGE AFCS 1 /PITCH /ROLL /CHAM) PRESS PSIG | 2-12 2STAGE AFCS 1 /COLL. /VAN /CHAM) PRESS PSIG | 2-13 UTIL. HYD. AFCS 2 /P/R /CHAM) PRESS PSIG | 2-14 UTIL. HYD. PUMP INLET PRESS PSIG | 2-15 UTIL. HYD. PUMP OUTLET PRESS PSIG |
|-----------------------|----------------------|----------------------|--------------------------------------|--|--|---|---|--|---|--|---|--|
| 145 | 57 | 3 | -30 | 37 | 32 | 3020 | 2932 | 42 | 26 | 142 | 31 | 3069 |
| 146 | 57 | 24 | -30 | 33 | 32 | 3068 | 2932 | 42 | 24 | 144 | 31 | 3121 |
| 147 | 57 | 44 | -29 | 37 | 24 | 3005 | 2897 | 44 | 30 | 146 | 33 | 3185 |
| 148 | 58 | 5 | -29 | 36 | 20 | 3100 | 2697 | 44 | 28 | 144 | 33 | 3290 |
| 149 | 58 | 25 | -29 | 36 | 21 | 3005 | 2912 | 40 | 34 | 146 | 31 | 3121 |
| 150 | 58 | 46 | -29 | 35 | 21 | 2995 | 2942 | 42 | 32 | 144 | 32 | 3185 |
| 151 | 59 | 6 | -29 | 18 | 26 | 2910 | 2837 | 34 | 26 | 144 | 23 | 3084 |
| 152 | 59 | 26 | -29 | + | 0 | 30 | + | 12 | 2 | 28 | 1 | 3015 |
| 153 | 59 | 47 | -29 | + | -8 | 0 | + | 10 | 0 | 28 | 1 | 3015 |
| 154 | 60 | 7 | -29 | + | -8 | 0 | + | 6 | 0 | 16 | 1 | 3015 |
| 155 | 60 | 28 | -29 | + | -1 | 10 | + | 12 | 0 | 16 | 1 | 3015 |
| 156 | 60 | 48 | -29 | + | -1 | 10 | + | 10 | 4 | 16 | 1 | 3015 |
| 157 | 61 | 9 | -29 | + | -1 | 5 | + | 10 | 0 | 16 | 1 | 3015 |
| 158 | 61 | 29 | -29 | + | -1 | 5 | + | 12 | 0 | 16 | 1 | 3015 |
| 159 | 61 | 50 | -29 | + | -1 | 5 | + | 10 | 0 | 16 | 1 | 3015 |
| 160 | 62 | 18 | -29 | + | -1 | 5 | + | 10 | 0 | 16 | 1 | 3015 |
| 161 | 62 | 38 | -29 | 0 | -1 | 5 | + | 10 | 4 | 16 | 1 | 3015 |
| 162 | 62 | 51 | -29 | + | -1 | 5 | + | 16 | 2 | 16 | 1 | 3015 |
| 163 | 63 | 11 | -29 | 0 | -1 | 10 | + | 12 | 0 | 16 | 1 | 3015 |
| 164 | 63 | 31 | -29 | 0 | -2 | 5 | + | 12 | 2 | 16 | 1 | 3015 |
| 165 | 63 | 52 | -29 | 0 | -2 | 5 | + | 18 | 0 | 18 | 1 | 3015 |

MH-53C S/N 68-10354
 ARCTIC TEST
 25 FEBRUARY 1971
 RUN NO. 21 -40 DEG C/ -40 DEG F

| -01 SHEEP COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER PLENUM CHMNR TEMP OUT DEG.C | 3-07 HEATER MAIN DIST. DUCT LS FWD DEG.C | 3-08 HEATER MAIN DIST. DUCT RS FWD DEG.C | 3-09 DIST. DUCT OUTLET (OKPIT L-S.) DEG.C | 3-10 DIST. DUCT OUTLET (OKPIT R-S.) DEG.C | 3-11 DIST. DUCT OUTLET 51A460 -47DRS DEG.C | 3-12 DIST. DUCT OUTLET 51A460 -47DRS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS HEAD LEVEL AIR TEMP DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|---|--|--|---|---|--|--|---|---|
| 1 | 7 | 36 | -33 | -23 | -23 | -22 | -23 | -23 | -24 | -23 | -24 | -27 |
| 2 | 7 | 53 | -32 | -24 | -24 | -22 | -24 | -24 | -24 | -22 | -24 | -27 |
| 3 | 8 | 17 | -32 | -24 | -24 | -22 | -24 | -24 | -24 | -22 | -24 | -26 |
| 4 | 8 | 37 | -32 | -24 | -24 | -22 | -24 | -24 | -24 | -23 | -25 | -27 |
| 5 | 8 | 58 | -32 | -23 | -23 | -22 | -24 | -24 | -24 | -23 | -24 | -27 |
| 6 | 9 | 18 | -31 | -24 | -24 | -22 | -23 | -23 | -25 | -23 | -24 | -27 |
| 7 | 9 | 39 | -32 | -24 | -24 | -23 | -24 | -24 | -26 | -23 | -25 | -26 |
| 8 | 9 | 59 | -32 | -24 | -24 | -23 | -23 | -24 | -24 | -24 | -24 | -26 |
| 9 | 10 | 20 | -32 | -24 | -24 | -23 | -23 | -23 | -24 | -23 | -24 | -27 |
| 0 | 10 | 40 | -33 | -24 | -25 | -23 | -23 | -23 | -26 | -23 | -24 | -27 |
| 11 | 11 | 0 | -33 | -24 | -24 | -23 | -23 | -23 | -26 | -24 | -24 | -27 |
| 12 | 11 | 21 | -32 | -24 | -24 | -23 | -22 | -24 | -25 | -24 | -24 | -26 |
| 13 | 11 | 41 | -32 | -24 | -24 | -23 | -22 | -24 | -24 | -24 | -23 | -26 |
| 14 | 12 | 2 | -33 | -24 | -26 | -23 | -22 | -24 | -24 | -24 | -24 | -26 |
| 15 | 12 | 22 | -32 | -25 | -23 | -23 | -23 | -23 | -26 | -25 | -24 | -26 |
| 16 | 12 | 42 | -33 | -25 | -24 | -24 | -22 | -24 | -26 | -24 | -24 | -27 |
| 17 | 13 | 3 | -32 | -24 | -25 | -24 | -22 | -24 | -26 | -24 | -24 | -27 |
| 18 | 13 | 23 | -32 | -24 | -25 | -24 | -22 | -24 | -26 | -24 | -24 | -27 |
| 19 | 13 | 44 | -32 | -25 | -24 | -24 | -22 | -24 | -26 | -24 | -24 | -27 |
| 0 | 14 | 6 | -33 | -25 | -24 | -24 | -22 | -24 | -26 | -24 | -24 | -27 |
| 21 | 14 | 25 | -32 | -24 | -25 | -24 | -22 | -24 | -26 | -24 | -24 | -27 |
| 22 | 14 | 45 | -32 | -25 | -25 | -24 | -22 | -24 | -26 | -25 | -24 | -27 |
| 23 | 15 | 5 | -32 | -24 | -24 | -24 | -22 | -24 | -26 | -24 | -24 | -27 |
| 24 | 15 | 26 | -31 | -26 | -25 | -24 | -22 | -24 | -26 | -24 | -23 | -26 |
| 25 | 15 | 46 | -32 | -24 | -24 | -24 | -23 | -24 | -26 | -24 | -24 | -27 |
| 26 | 16 | 7 | -32 | -25 | -24 | -24 | -23 | -24 | -26 | -24 | -24 | -27 |
| 27 | 16 | 27 | -32 | -26 | -26 | -24 | -23 | -24 | -26 | -24 | -23 | -27 |
| 28 | 16 | 48 | -32 | -25 | -26 | -24 | -23 | -25 | -26 | -24 | -23 | -27 |
| 29 | 17 | 6 | -32 | -26 | -26 | -26 | -23 | -24 | -26 | -24 | -23 | -27 |
| 0 | 17 | 29 | -32 | -26 | -25 | -24 | -24 | -24 | -26 | -24 | -23 | -27 |
| 31 | 17 | 49 | -32 | -26 | -26 | -25 | -24 | -26 | -27 | -26 | -23 | -27 |
| 32 | 18 | 10 | -31 | -26 | -26 | -24 | -24 | -24 | -27 | -25 | -24 | -27 |
| 33 | 18 | 30 | -32 | -26 | -26 | -26 | -24 | -24 | -27 | -25 | -24 | -27 |
| 34 | 18 | 50 | -31 | -26 | -26 | -25 | -24 | -25 | -27 | -25 | -24 | -27 |
| 35 | 19 | 11 | -32 | -26 | -26 | -26 | -25 | -25 | -28 | -26 | -25 | -28 |
| 36 | 19 | 31 | -32 | -26 | -24 | -26 | -25 | -25 | -28 | -26 | -25 | -28 |
| 37 | 19 | 52 | -32 | -26 | -27 | -25 | -25 | -25 | -28 | -25 | -24 | -28 |
| 38 | 20 | 12 | -32 | -26 | -26 | -26 | -25 | -26 | -27 | -26 | -25 | -27 |
| 39 | 20 | 33 | -32 | -26 | -26 | -25 | -24 | -24 | -27 | -24 | -24 | -28 |
| 0 | 20 | 53 | -32 | -26 | -26 | -25 | -24 | -24 | -28 | -25 | -24 | -28 |
| 41 | 21 | 14 | -32 | -27 | -27 | -26 | -25 | -26 | -28 | -26 | -24 | -28 |
| 42 | 21 | 34 | -33 | -27 | -27 | -26 | -26 | -26 | -28 | -26 | -24 | -28 |
| 43 | 21 | 55 | -32 | -26 | -27 | -26 | -25 | -25 | -28 | -26 | -24 | -28 |
| 44 | 22 | 15 | -32 | -26 | -27 | -25 | -25 | -25 | -28 | -26 | -24 | -28 |
| 45 | 22 | 36 | -32 | -27 | -28 | -27 | -25 | -25 | -29 | -26 | -24 | -28 |

| SWESP COUNT | 3-02 MIN. | 3-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER PLECHM CHMBER TEMP OUT DEG.C | 3-07 HEATER HEAT DIST. DUCT LS FWD DEG.C | 3-08 HEATER HEAT DIST. DUCT PS FWD DEG.C | 3-09 DIST. DUCT OUTLET (SKPIT L.S.) DEG.C | 3-10 DIST. DUCT OUTLET (SKPIT R.S.) DEG.C | 3-11 DIST. DUCT OUTLET STFA460 -470RS DEG.C | 3-12 DIST. DUCT OUTLET STFA460 -470LS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS HEAT LEVEL AIR TEMP DEG.C |
|----------------|--------------|----------------------|---------------------------------------|--|--|--|---|---|---|---|---|---|
| 46 | 22 | 56 | -31 | -27 | -27 | -26 | -26 | -26 | -28 | -26 | -26 | -29 |
| 47 | 23 | 17 | -31 | -26 | -26 | -25 | -25 | -25 | -28 | -25 | -25 | -28 |
| 48 | 23 | 37 | -31 | -26 | -27 | -25 | -25 | -25 | -28 | -25 | -25 | -28 |
| 49 | 23 | 58 | -31 | -27 | -26 | -24 | -24 | -24 | -20 | -25 | -25 | -28 |
| 0 | 24 | 18 | -31 | -26 | -26 | -25 | -25 | -25 | -27 | -26 | -25 | -29 |
| 51 | 24 | 39 | -31 | -26 | -26 | -26 | -26 | -26 | -28 | -26 | -25 | -29 |
| 52 | 24 | 59 | -31 | -27 | -26 | -26 | -26 | -26 | -28 | -26 | -26 | -29 |
| 53 | 25 | 20 | -31 | -26 | -26 | -26 | -26 | -26 | -28 | -26 | -26 | -29 |
| 54 | 25 | 40 | -31 | -27 | -26 | -25 | -25 | -25 | -28 | -26 | -26 | -29 |
| 55 | 26 | 1 | -31 | -26 | -27 | -26 | -26 | -26 | -28 | -26 | -26 | -29 |
| 56 | 26 | 21 | -31 | -27 | -27 | -26 | -25 | -25 | -28 | -26 | -25 | -28 |
| 57 | 26 | 42 | -30 | -27 | -27 | -26 | -26 | -26 | -28 | -26 | -26 | -29 |
| 58 | 27 | 2 | -31 | -27 | -27 | -26 | -26 | -26 | -29 | -26 | -26 | -29 |
| 59 | 27 | 24 | -31 | -27 | -26 | -26 | -26 | -26 | -28 | -27 | -26 | -29 |
| 0 | 27 | 44 | -32 | -27 | -27 | -26 | -26 | -26 | -29 | -27 | -26 | -29 |
| 61 | 28 | 5 | -40 | 9 | 8 | -26 | -26 | -26 | -38 | -11 | -26 | -27 |
| 62 | 28 | 25 | -36 | 44 | 36 | -22 | -22 | -22 | -27 | -22 | -26 | -27 |
| 63 | 28 | 46 | -39 | 65 | 57 | -16 | -16 | -16 | -20 | -12 | -26 | -27 |
| 64 | 29 | 6 | -39 | 80 | 79 | -8 | -8 | -8 | -12 | -22 | -22 | -28 |
| 65 | 29 | 27 | -39 | 86 | 67 | -3 | -3 | -3 | -5 | -22 | -22 | -28 |
| 66 | 29 | 47 | -36 | 92 | 92 | 1 | 1 | 1 | 0 | 0 | -18 | -2 |
| 67 | 30 | 8 | -39 | 95 | 84 | 4 | 4 | 4 | 7 | 7 | -14 | 2 |
| 68 | 30 | 28 | -38 | 96 | 85 | 8 | 8 | 8 | 9 | 9 | -13 | 2 |
| 69 | 30 | 49 | -39 | 97 | 86 | 21 | 21 | 21 | 9 | 9 | -12 | 1 |
| 0 | 31 | 9 | -39 | 96 | 86 | 27 | 27 | 27 | 9 | 9 | -10 | -1 |
| 71 | 31 | 30 | -40 | 96 | 85 | 27 | 27 | 27 | 11 | 11 | -7 | 3 |
| 72 | 31 | 50 | -39 | 96 | 85 | 30 | 30 | 30 | 11 | 11 | -6 | 6 |
| 73 | 32 | 11 | -39 | 85 | 82 | 32 | 32 | 32 | 14 | 14 | -5 | 6 |
| 74 | 32 | 31 | -40 | 81 | 50 | 30 | 30 | 30 | 14 | 14 | -5 | 6 |
| 75 | 32 | 52 | -41 | 74 | 62 | 30 | 30 | 30 | 14 | 14 | -4 | 6 |
| 76 | 33 | 12 | -41 | 84 | 73 | 31 | 31 | 31 | 11 | 11 | -4 | 4 |
| 77 | 33 | 33 | -42 | 89 | 83 | 33 | 33 | 33 | 11 | 11 | -3 | 4 |
| 78 | 33 | 54 | -39 | 92 | 94 | 35 | 35 | 35 | 12 | 12 | -1 | 5 |
| 79 | 34 | 14 | -39 | 96 | 97 | 35 | 35 | 35 | 15 | 15 | 0 | 6 |
| 0 | 34 | 34 | -39 | 83 | 82 | 38 | 38 | 38 | 17 | 17 | 0 | 7 |
| 81 | 34 | 55 | -39 | 73 | 61 | 39 | 39 | 39 | 18 | 18 | 2 | 7 |
| 82 | 35 | 16 | -39 | 81 | 69 | 36 | 36 | 36 | 17 | 17 | 1 | 7 |
| 83 | 35 | 35 | -38 | 90 | 89 | 37 | 37 | 37 | 15 | 15 | 2 | 9 |
| 84 | 35 | 55 | -40 | 93 | 94 | 39 | 39 | 39 | 15 | 15 | 2 | 9 |
| 85 | 36 | 17 | -34 | 98 | 97 | 41 | 41 | 41 | 17 | 17 | 4 | 8 |
| 86 | 36 | 38 | -37 | 99 | 87 | 45 | 45 | 45 | 19 | 19 | 4 | 8 |
| 87 | 36 | 58 | -40 | 64 | 52 | 42 | 42 | 42 | 21 | 21 | 5 | 9 |
| 88 | 37 | 19 | -42 | 24 | 21 | 42 | 42 | 42 | 21 | 21 | 6 | 9 |
| 89 | 37 | 39 | -42 | 38 | 35 | 35 | 35 | 35 | 17 | 17 | 6 | 9 |
| 0 | 38 | 0 | -42 | 59 | 60 | 20 | 20 | 20 | 19 | 19 | 6 | 9 |
| 91 | 38 | 20 | -40 | 71 | 71 | 19 | 19 | 19 | 9 | 9 | 4 | 8 |
| 92 | 38 | 40 | -40 | 38 | 36 | 30 | 30 | 30 | 11 | 11 | 4 | 8 |
| 93 | 39 | 1 | -40 | 38 | 44 | 29 | 29 | 29 | 12 | 12 | 4 | 8 |
| 94 | 39 | 21 | -38 | 64 | 64 | 28 | 28 | 28 | 10 | 10 | 6 | 9 |
| 95 | 39 | 42 | -40 | 42 | 41 | 28 | 28 | 28 | 10 | 10 | 6 | 9 |

| 3-11 SPEED COUNT | 3-12 TIME MIN. | 3-03 TIME SEC. | 3-05 HEATED TEMP DEG.C | 3-06 HEATED PLENUM CHMRR OUT TEMP DEG.C | 7-07 HEATER MAIN DUST DUCT LS FWD DEG.C | 3-04 HEATER MAIN DUST DUCT RS FWD DEG.C | 3-09 DUST DUCT OUTLET CRPIT (L.S.) DEG.C | 3-10 DUST DUCT OUTLET ICKPIT R.S.J DEG.C | 3-11 DUST DUCT OUTLET STAMGO -47ORS DEG.C | 3-12 DUST DUCT OUTLET STAMGO -47ORS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS HEAD LEVEL AIR TEMP DEG.C |
|------------------------|----------------------|----------------------|---------------------------------|---|---|---|--|--|---|---|---|---|
| 96 | 43 | 2 | -40 | 54 | 51 | 42 | 27 | 19 | 10 | 29 | 6 | 10 |
| 97 | 46 | 23 | -37 | 72 | 70 | 59 | 29 | 19 | 11 | 36 | 7 | 18 |
| 98 | 40 | 43 | -39 | 77 | 76 | 66 | 32 | 18 | 13 | 38 | 7 | 11 |
| 99 | 41 | 4 | -38 | 42 | 41 | 32 | 32 | 18 | 15 | 25 | 7 | 12 |
| 100 | 41 | 24 | -41 | 34 | 36 | 29 | 28 | 18 | 12 | 28 | 7 | 11 |
| 101 | 41 | 45 | -40 | 44 | 43 | 34 | 25 | 16 | 13 | 25 | 6 | 11 |
| 102 | 42 | 5 | -41 | 60 | 58 | 48 | 26 | 15 | 10 | 31 | 6 | 9 |
| 103 | 42 | 26 | -39 | 75 | 75 | 64 | 29 | 15 | 11 | 38 | 7 | 11 |
| 104 | 42 | 46 | -38 | 65 | 65 | 73 | 34 | 16 | 14 | 38 | 7 | 11 |
| 105 | 43 | 6 | -38 | 54 | 53 | 43 | 35 | 17 | 16 | 38 | 6 | 12 |
| 106 | 43 | 27 | -39 | 20 | 14 | 14 | 29 | 17 | 14 | 38 | 6 | 12 |
| 107 | 43 | 47 | -40 | 39 | 37 | 38 | 26 | 17 | 14 | 28 | 8 | 12 |
| 108 | 44 | 8 | -40 | 61 | 60 | 52 | 27 | 15 | 11 | 25 | 7 | 11 |
| 109 | 44 | 28 | -40 | 77 | 76 | 67 | 30 | 15 | 12 | 32 | 7 | 10 |
| 110 | 44 | 49 | -38 | 86 | 87 | 77 | 35 | 17 | 12 | 40 | 7 | 11 |
| 111 | 45 | 9 | -41 | 59 | 56 | 48 | 35 | 17 | 13 | 45 | 8 | 11 |
| 112 | 45 | 30 | -41 | 19 | 15 | 13 | 31 | 17 | 15 | 33 | 9 | 14 |
| 113 | 45 | 50 | -40 | 31 | 29 | 24 | 27 | 17 | 13 | 18 | 8 | 15 |
| 114 | 46 | 9 | -40 | 56 | 56 | 46 | 26 | 15 | 11 | 22 | 8 | 14 |
| 115 | 46 | 31 | -39 | 46 | 43 | 35 | 27 | 15 | 10 | 30 | 7 | 10 |
| 116 | 48 | 51 | -41 | 52 | 51 | 42 | 27 | 14 | 11 | 35 | 8 | 11 |
| 117 | 47 | 12 | -40 | 35 | 33 | 26 | 26 | 15 | 12 | 29 | 8 | 13 |
| 118 | 47 | 32 | -42 | 41 | 38 | 30 | 25 | 15 | 12 | 22 | 8 | 12 |
| 119 | 47 | 53 | -41 | 62 | 61 | 51 | 26 | 15 | 11 | 35 | 8 | 12 |
| 120 | 48 | 13 | -39 | 45 | 43 | 35 | 27 | 15 | 11 | 33 | 6 | 11 |
| 121 | 48 | 34 | -42 | 37 | 34 | 28 | 27 | 14 | 12 | 24 | 8 | 11 |
| 122 | 48 | 54 | -41 | 58 | 57 | 48 | 25 | 14 | 11 | 24 | 8 | 12 |
| 123 | 49 | 15 | -40 | 66 | 65 | 55 | 29 | 14 | 11 | 32 | 8 | 11 |
| 124 | 49 | 35 | -40 | 33 | 33 | 25 | 28 | 14 | 13 | 34 | 9 | 11 |
| 125 | 49 | 56 | -38 | 44 | 41 | 35 | 28 | 15 | 12 | 34 | 9 | 12 |
| 126 | 50 | 16 | -38 | 66 | 65 | 55 | 27 | 14 | 12 | 23 | 6 | 12 |
| 127 | 50 | 37 | -40 | 82 | 82 | 72 | 31 | 14 | 12 | 29 | 7 | 11 |
| 128 | 50 | 57 | -36 | 93 | 92 | 82 | 35 | 15 | 12 | 36 | 9 | 12 |
| 129 | 51 | 18 | -35 | 99 | 99 | 85 | 39 | 15 | 12 | 48 | 10 | 12 |
| 130 | 51 | 38 | -36 | 70 | 68 | 57 | 39 | 17 | 12 | 52 | 10 | 12 |
| 131 | 51 | 59 | -38 | 51 | 49 | 42 | 41 | 19 | 11 | 52 | 11 | 14 |
| 132 | 52 | 19 | -38 | 69 | 66 | 58 | 36 | 18 | 11 | 39 | 11 | 15 |
| 133 | 52 | 40 | -36 | 85 | 83 | 74 | 38 | 18 | 11 | 36 | 11 | 16 |
| 134 | 53 | 0 | -36 | 87 | 86 | 76 | 41 | 18 | 12 | 41 | 11 | 15 |
| 135 | 53 | 20 | -39 | 90 | 89 | 76 | 41 | 19 | 12 | 46 | 12 | 15 |
| 136 | 53 | 41 | -40 | 56 | 53 | 45 | 39 | 19 | 12 | 47 | 13 | 17 |
| 137 | 54 | 1 | -39 | 77 | 73 | 63 | 36 | 20 | 13 | 34 | 14 | 18 |
| 138 | 54 | 22 | -37 | 86 | 86 | 76 | 39 | 20 | 13 | 37 | 14 | 17 |
| 139 | 54 | 42 | -36 | 90 | 91 | 79 | 39 | 21 | 14 | 43 | 14 | 16 |
| 140 | 55 | 3 | -36 | 52 | 51 | 42 | 43 | 22 | 14 | 49 | 14 | 17 |
| 141 | 55 | 23 | -38 | 44 | 44 | 34 | 37 | 22 | 15 | 49 | 16 | 18 |
| 142 | 55 | 44 | -41 | 61 | 59 | 44 | 36 | 21 | 15 | 38 | 15 | 18 |
| 143 | 56 | 4 | -42 | 76 | 75 | 65 | 38 | 22 | 16 | 38 | 14 | 18 |
| 144 | 56 | 25 | -39 | 85 | 86 | 75 | 41 | 22 | 16 | 43 | 14 | 18 |
| 145 | 56 | 45 | -40 | 43 | 43 | 72 | 44 | 24 | 17 | 47 | 15 | 11 |
| 146 | 56 | 45 | -40 | 83 | 83 | 72 | 44 | 24 | 17 | 46 | 15 | 11 |

| SWEEP COUNT | T-02 TIME MIN. | 3-03 TIME SEC. | 3-05 HEATER TEMP IN DEG.C | 3-06 HEATER PLENUM CHMBER OUT TEMP DEG.C | 3-07 HEATER MAIN DIST. OUT LS FWD DEG.C | 3-08 HEATER MAIN DIST. OUT RS FWD DEG.C | 3-09 DIST. DUCT OUTLET (CKPT L.S.) DEG.C | 3-10 DIST. DUCT OUTLET (CKPT R.S.) DEG.C | 3-11 DIST. DUCT OUTLET ST4450 -470RS DEG.C | 3-12 DIST. DUCT OUTLET ST4450 -470LS DEG.C | 3-13 PILOTS HEAD LEVEL AIR TEMP DEG.C | 3-14 PILOTS HAIST LEVEL AIR TEMP DEG.C |
|----------------|----------------------|----------------------|---------------------------------------|--|---|---|--|--|--|--|---|--|
| 145 | 57 | 6 | -39 | 58 | 56 | 47 | 41 | 24 | 21 | 33 | 16 | 12 |
| 146 | 57 | 26 | -39 | 52 | 49 | 41 | 37 | 25 | 21 | 32 | 15 | 11 |
| 147 | 57 | 47 | -37 | 49 | 46 | 39 | 33 | 23 | 20 | 29 | 15 | 11 |
| 148 | 58 | 7 | -35 | 48 | 45 | 38 | 29 | 22 | 18 | 22 | 19 | 11 |
| 149 | 58 | 28 | -31 | 47 | 44 | 38 | 25 | 19 | 15 | 19 | 14 | 9 |
| 150 | 58 | 48 | -27 | 46 | 43 | 38 | 21 | 18 | 12 | 15 | 13 | 8 |
| 151 | 59 | 9 | -23 | 46 | 41 | 36 | 19 | 17 | 9 | 12 | 12 | 7 |
| 152 | 59 | 29 | -19 | 45 | 40 | 35 | 17 | 16 | 8 | 11 | 12 | 7 |
| 153 | 59 | 49 | -16 | 44 | 39 | 34 | 17 | 15 | 6 | 10 | 11 | 5 |
| 154 | 60 | 10 | -12 | 42 | 38 | 34 | 15 | 15 | 4 | 8 | 11 | 4 |
| 155 | 60 | 30 | -9 | 42 | 36 | 33 | 14 | 14 | 4 | 7 | 11 | 3 |
| 156 | 60 | 51 | -7 | 41 | 35 | 32 | 14 | 13 | 3 | 5 | 10 | 3 |
| 157 | 61 | 11 | -5 | 40 | 34 | 31 | 12 | 12 | 2 | 4 | 9 | 2 |
| 158 | 61 | 32 | -2 | 39 | 33 | 30 | 12 | 11 | 1 | 2 | 8 | 1 |
| 159 | 61 | 52 | -1 | 38 | 32 | 29 | 11 | 11 | 0 | 2 | 8 | 0 |
| 160 | 62 | 12 | 0 | 37 | 31 | 28 | 11 | 11 | 0 | 1 | 8 | 0 |
| 161 | 62 | 33 | 2 | 36 | 29 | 27 | 11 | 10 | -1 | 1 | 8 | 0 |
| 162 | 62 | 53 | 2 | 35 | 28 | 26 | 9 | 10 | -1 | 0 | 7 | 0 |
| 163 | 63 | 14 | 4 | 34 | 27 | 25 | 9 | 9 | -1 | 0 | 7 | 0 |
| 164 | 63 | 34 | 5 | 33 | 26 | 24 | 9 | 8 | -1 | 0 | 6 | 0 |
| 165 | 63 | 54 | 5 | 32 | 24 | 23 | 8 | 8 | -2 | -1 | 6 | 0 |

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

| 3-24 | 3-23 | 3-22 | 3-21 | 3-20 | 3-19 | 3-18 | 3-17 | 3-16 | 3-15 | 3-14 | 3-13 | 3-12 | 3-11 | 3-10 | 3-09 | 3-08 | 3-07 | 3-06 | 3-05 | 3-04 | 3-03 | 3-02 | 3-01 |
|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| CARGO | CARGO | CARGO | CARGO | CO-PLT | CO-PLT | CO-PLT | CO-PLT | PILOTS | PILOTS | PILOTS | PILOTS | PILOTS | PILOTS | PILOTS | PILOTS | PILOTS | PILOTS | PILOTS | PILOTS | PILOTS | PILOTS | PILOTS | PILOTS |
| AREA | AREA | AREA | AREA | FLOOR | FLOOR | FLOOR | HEAD | FLOOR | FLOOR | FLOOR | FLOOR | FLOOR | FLOOR | FLOOR | FLOOR | FLOOR | FLOOR | FLOOR | FLOOR | FLOOR | FLOOR | FLOOR | FLOOR |
| FWD | FWD | FWD | FWD | MASS | MASS | MASS | MASS | MASS | MASS | MASS | MASS | MASS | MASS | MASS | MASS | MASS | MASS | MASS | MASS | MASS | MASS | MASS | MASS |
| FLOOR | FLOOR | FLOOR | FLOOR | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP | TEMP |
| MASS | MASS | MASS | MASS | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 1 | 26 | 17 | 23 | -10 | 8 | 8 | 12 | -2 | 2 | 2 | 12 | 12 | -2 | 2 | 2 | 2 | 40 | 2 | 2 | 2 | 2 | 2 | 95 |
| 1 | 29 | 24 | 25 | -10 | 8 | 11 | 15 | -1 | 4 | 4 | 15 | 15 | -1 | 4 | 4 | 4 | 40 | 3 | 3 | 3 | 3 | 3 | 97 |
| 0 | 26 | 19 | 28 | -8 | 8 | 10 | 17 | 0 | 4 | 4 | 17 | 17 | 0 | 4 | 4 | 4 | 40 | 4 | 4 | 4 | 4 | 4 | 98 |
| 0 | 22 | 21 | 22 | -8 | 8 | 10 | 16 | 0 | 4 | 4 | 16 | 16 | 0 | 4 | 4 | 4 | 41 | 4 | 4 | 4 | 4 | 4 | 99 |
| 0 | 21 | 22 | 21 | -8 | 8 | 9 | 15 | 0 | 3 | 3 | 15 | 15 | 0 | 3 | 3 | 3 | 41 | 3 | 3 | 3 | 3 | 3 | 100 |
| 0 | 21 | 14 | 19 | -8 | 11 | 9 | 15 | 0 | 4 | 4 | 15 | 15 | 0 | 4 | 4 | 4 | 41 | 4 | 4 | 4 | 4 | 4 | 101 |
| 0 | 22 | 19 | 27 | -8 | 11 | 9 | 15 | 0 | 4 | 4 | 15 | 15 | 0 | 4 | 4 | 4 | 42 | 4 | 4 | 4 | 4 | 4 | 102 |
| 0 | 22 | 22 | 24 | -5 | 11 | 8 | 17 | 0 | 5 | 5 | 17 | 17 | 0 | 5 | 5 | 5 | 42 | 5 | 5 | 5 | 5 | 5 | 103 |
| 0 | 25 | 22 | 24 | -4 | 15 | 14 | 20 | 0 | 5 | 5 | 19 | 19 | 0 | 5 | 5 | 5 | 43 | 6 | 6 | 6 | 6 | 6 | 104 |
| 0 | 17 | 30 | 29 | -4 | 14 | 14 | 19 | 1 | 5 | 5 | 20 | 20 | 1 | 5 | 5 | 5 | 43 | 5 | 5 | 5 | 5 | 5 | 105 |
| 0 | 18 | 18 | 15 | -3 | 14 | 14 | 19 | 1 | 5 | 5 | 19 | 19 | 1 | 5 | 5 | 5 | 43 | 4 | 4 | 4 | 4 | 4 | 106 |
| 0 | 13 | 18 | 18 | -1 | 14 | 11 | 17 | 1 | 4 | 4 | 17 | 17 | 1 | 4 | 4 | 4 | 44 | 4 | 4 | 4 | 4 | 4 | 107 |
| 0 | 10 | 23 | 29 | 0 | 14 | 11 | 16 | 1 | 4 | 4 | 16 | 16 | 1 | 4 | 4 | 4 | 44 | 4 | 4 | 4 | 4 | 4 | 108 |
| 0 | 7 | 23 | 29 | 0 | 14 | 11 | 16 | 1 | 4 | 4 | 16 | 16 | 1 | 4 | 4 | 4 | 44 | 4 | 4 | 4 | 4 | 4 | 109 |
| 0 | 22 | 33 | 35 | 1 | 14 | 14 | 20 | 2 | 7 | 7 | 20 | 20 | 2 | 7 | 7 | 7 | 44 | 7 | 7 | 7 | 7 | 7 | 110 |
| 0 | 22 | 19 | 29 | 1 | 15 | 15 | 21 | 2 | 7 | 7 | 21 | 21 | 2 | 7 | 7 | 7 | 45 | 7 | 7 | 7 | 7 | 7 | 111 |
| 0 | 23 | 14 | 14 | 0 | 15 | 14 | 19 | 2 | 7 | 7 | 19 | 19 | 2 | 7 | 7 | 7 | 45 | 7 | 7 | 7 | 7 | 7 | 112 |
| 0 | 14 | 5 | 14 | 0 | 15 | 13 | 15 | 3 | 6 | 6 | 15 | 15 | 3 | 6 | 6 | 6 | 45 | 6 | 6 | 6 | 6 | 6 | 113 |
| 0 | 27 | 27 | 27 | -0 | 11 | 11 | 15 | 3 | 6 | 6 | 15 | 15 | 3 | 6 | 6 | 6 | 46 | 6 | 6 | 6 | 6 | 6 | 114 |
| 0 | 24 | 18 | 20 | 0 | 12 | 12 | 15 | 3 | 6 | 6 | 15 | 15 | 3 | 6 | 6 | 6 | 46 | 6 | 6 | 6 | 6 | 6 | 115 |
| 0 | 27 | 18 | 22 | 0 | 12 | 12 | 15 | 3 | 6 | 6 | 15 | 15 | 3 | 6 | 6 | 6 | 47 | 6 | 6 | 6 | 6 | 6 | 116 |
| 0 | 22 | 11 | 21 | 0 | 12 | 12 | 15 | 4 | 6 | 6 | 15 | 15 | 4 | 6 | 6 | 6 | 47 | 6 | 6 | 6 | 6 | 6 | 117 |
| 0 | 24 | 14 | 21 | 0 | 12 | 12 | 17 | 4 | 6 | 6 | 17 | 17 | 4 | 6 | 6 | 6 | 47 | 6 | 6 | 6 | 6 | 6 | 118 |
| 0 | 27 | 14 | 21 | 0 | 12 | 12 | 17 | 5 | 6 | 6 | 17 | 17 | 5 | 6 | 6 | 6 | 47 | 6 | 6 | 6 | 6 | 6 | 119 |
| 0 | 24 | 25 | 21 | 0 | 12 | 12 | 17 | 5 | 6 | 6 | 17 | 17 | 5 | 6 | 6 | 6 | 48 | 6 | 6 | 6 | 6 | 6 | 120 |
| 0 | 28 | 29 | 16 | 1 | 12 | 12 | 16 | 4 | 6 | 6 | 16 | 16 | 4 | 6 | 6 | 6 | 48 | 7 | 7 | 7 | 7 | 7 | 121 |
| 0 | 24 | 24 | 24 | 2 | 12 | 12 | 17 | 4 | 6 | 6 | 17 | 17 | 4 | 6 | 6 | 6 | 49 | 7 | 7 | 7 | 7 | 7 | 122 |
| 0 | 28 | 27 | 27 | 2 | 13 | 13 | 17 | 4 | 6 | 6 | 17 | 17 | 4 | 6 | 6 | 6 | 49 | 7 | 7 | 7 | 7 | 7 | 123 |
| 0 | 28 | 18 | 21 | 2 | 13 | 13 | 18 | 5 | 6 | 6 | 18 | 18 | 5 | 6 | 6 | 6 | 49 | 8 | 8 | 8 | 8 | 8 | 124 |
| 0 | 25 | 18 | 21 | 2 | 13 | 13 | 17 | 5 | 6 | 6 | 17 | 17 | 5 | 6 | 6 | 6 | 49 | 7 | 7 | 7 | 7 | 7 | 125 |
| 0 | 24 | 25 | 21 | 2 | 13 | 13 | 17 | 5 | 6 | 6 | 17 | 17 | 5 | 6 | 6 | 6 | 50 | 7 | 7 | 7 | 7 | 7 | 126 |
| 0 | 25 | 34 | 34 | 2 | 13 | 13 | 19 | 5 | 6 | 6 | 19 | 19 | 5 | 6 | 6 | 6 | 50 | 8 | 8 | 8 | 8 | 8 | 127 |
| 0 | 25 | 33 | 33 | 2 | 13 | 13 | 20 | 5 | 6 | 6 | 20 | 20 | 5 | 6 | 6 | 6 | 50 | 8 | 8 | 8 | 8 | 8 | 128 |
| 0 | 22 | 24 | 24 | 2 | 13 | 13 | 21 | 5 | 6 | 6 | 21 | 21 | 5 | 6 | 6 | 6 | 51 | 8 | 8 | 8 | 8 | 8 | 129 |
| 0 | 22 | 33 | 33 | 2 | 13 | 13 | 24 | 5 | 6 | 6 | 24 | 24 | 5 | 6 | 6 | 6 | 51 | 11 | 11 | 11 | 11 | 11 | 130 |
| 0 | 19 | 19 | 19 | 2 | 13 | 13 | 25 | 6 | 6 | 6 | 25 | 25 | 6 | 6 | 6 | 6 | 51 | 11 | 11 | 11 | 11 | 11 | 131 |
| 0 | 14 | 29 | 29 | 2 | 13 | 13 | 23 | 6 | 6 | 6 | 23 | 23 | 6 | 6 | 6 | 6 | 52 | 10 | 10 | 10 | 10 | 10 | 132 |
| 0 | 15 | 32 | 32 | 2 | 13 | 13 | 24 | 6 | 6 | 6 | 24 | 24 | 6 | 6 | 6 | 6 | 52 | 10 | 10 | 10 | 10 | 10 | 133 |
| 0 | 17 | 35 | 35 | 2 | 13 | 13 | 25 | 7 | 6 | 6 | 25 | 25 | 7 | 6 | 6 | 6 | 53 | 10 | 10 | 10 | 10 | 10 | 134 |
| 0 | 16 | 35 | 35 | 2 | 13 | 13 | 26 | 7 | 6 | 6 | 26 | 26 | 7 | 6 | 6 | 6 | 53 | 10 | 10 | 10 | 10 | 10 | 135 |
| 0 | 16 | 29 | 29 | 2 | 13 | 13 | 26 | 7 | 6 | 6 | 26 | 26 | 7 | 6 | 6 | 6 | 53 | 11 | 11 | 11 | 11 | 11 | 136 |
| 0 | 14 | 32 | 32 | 2 | 13 | 13 | 27 | 7 | 6 | 6 | 27 | 27 | 7 | 6 | 6 | 6 | 54 | 11 | 11 | 11 | 11 | 11 | 137 |
| 0 | 14 | 35 | 35 | 2 | 13 | 13 | 28 | 7 | 6 | 6 | 28 | 28 | 7 | 6 | 6 | 6 | 54 | 11 | 11 | 11 | 11 | 11 | 138 |
| 0 | 15 | 30 | 30 | 2 | 13 | 13 | 29 | 8 | 6 | 6 | 29 | 29 | 8 | 6 | 6 | 6 | 54 | 11 | 11 | 11 | 11 | 11 | 139 |
| 0 | 12 | 34 | 34 | 2 | 13 | 13 | 27 | 8 | 6 | 6 | 27 | 27 | 8 | 6 | 6 | 6 | 55 | 14 | 14 | 14 | 14 | 14 | 140 |
| 0 | 11 | 29 | 29 | 2 | 13 | 13 | 28 | 9 | 6 | 6 | 28 | 28 | 9 | 6 | 6 | 6 | 55 | 12 | 12 | 12 | 12 | 12 | 141 |
| 0 | 7 | 33 | 33 | 2 | 13 | 13 | 22 | 9 | 6 | 6 | 22 | 22 | 9 | 6 | 6 | 6 | 55 | 9 | 9 | 9 | 9 | 9 | 142 |
| 0 | 17 | 20 | 20 | 2 | 13 | 13 | 22 | 8 | 6 | 6 | 22 | 22 | 8 | 6 | 6 | 6 | 56 | 9 | 9 | 9 | 9 | 9 | 143 |
| 0 | 14 | 23 | 23 | 2 | 13 | 13 | 23 | 9 | 6 | 6 | 23 | 23 | 9 | 6 | 6 | 6 | 56 | 11 | 11 | 11 | 11 | 11 | 144 |
| 0 | 11 | 31 | 31 | 2 | 13 | 13 | 25 | 10 | 6 | 6 | 25 | 25 | 10 | 6 | 6 | 6 | 56 | 12 | 12 | 12 | 12 | 12 | 144 |

| -01 SHEET COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-15 PILOTS | | | 3-17 CO-PILOT | | | 3-19 CO-PILOT | | | 3-20 CO-PILOT | | | 3-21 CARGO | | | 3-22 CARGO | | | 3-23 CARGO | | | 3-24 CARGO | | |
|-----------------------|----------------------|----------------------|----------------|-------------|-------|------------------|-------------|-------|------------------|-------------|-------|------------------|------|-------|---------------|------|-------|---------------|-------------|-------------|---------------|-------------|-------------|---------------|-------------|-------------|
| | | | FOOT LEVEL | AIR TEMP | DEG.C | HEAD LEVEL | AIR TEMP | DEG.C | FOOT LEVEL | AIR TEMP | DEG.C | FLOOR MASS | TEMP | DEG.C | FLOOR MASS | TEMP | DEG.C | AREA FMD | AREA FMD | AREA FMD | AREA FMD | AREA FMD | AREA FMD | AREA FMD | AREA FMD | AREA FMD |
| 145 | 57 | 6 | 11 | 10 | 24 | 19 | 19 | 22 | 8 | 36 | 23 | -23 | -2 | | | | | | | | | | | | | |
| 146 | 57 | 26 | 9 | 9 | 24 | 19 | 19 | 19 | 6 | 31 | 12 | -26 | -4 | | | | | | | | | | | | | |
| 147 | 57 | 47 | 8 | 9 | 23 | 17 | 17 | 15 | 8 | 26 | 4 | -27 | -4 | | | | | | | | | | | | | |
| 148 | 58 | 7 | 7 | 8 | 21 | 15 | 15 | 11 | 9 | 22 | -2 | -28 | -4 | | | | | | | | | | | | | |
| 149 | 58 | 26 | 7 | 8 | 20 | 14 | 14 | 7 | 8 | 19 | -4 | -28 | -5 | | | | | | | | | | | | | |
| 150 | 58 | 48 | 6 | 6 | 19 | 12 | 12 | 3 | 8 | 17 | -6 | -28 | -6 | | | | | | | | | | | | | |
| 151 | 59 | 9 | 5 | 7 | 18 | 9 | 9 | 1 | 8 | 15 | -8 | -29 | -6 | | | | | | | | | | | | | |
| 152 | 59 | 29 | 4 | 7 | 17 | 8 | 8 | -8 | 8 | 13 | -8 | -29 | -6 | | | | | | | | | | | | | |
| 153 | 59 | 49 | 4 | 7 | 16 | 7 | 7 | -2 | 8 | 11 | -8 | -28 | -6 | | | | | | | | | | | | | |
| 154 | 60 | 10 | 3 | 7 | 15 | 5 | 5 | -4 | 8 | 9 | -8 | -28 | -7 | | | | | | | | | | | | | |
| 155 | 60 | 30 | 2 | 6 | 14 | 4 | 4 | -4 | 8 | 7 | -8 | -28 | -7 | | | | | | | | | | | | | |
| 156 | 60 | 51 | 2 | 5 | 14 | 3 | 3 | -5 | 8 | 6 | -10 | -29 | -7 | | | | | | | | | | | | | |
| 157 | 61 | 11 | 1 | 5 | 13 | 2 | 2 | -6 | 8 | 5 | -10 | -29 | -8 | | | | | | | | | | | | | |
| 158 | 61 | 32 | 1 | 5 | 13 | 1 | 1 | -8 | 7 | 4 | -12 | -30 | -8 | | | | | | | | | | | | | |
| 159 | 61 | 52 | 1 | 5 | 12 | 1 | 1 | -7 | 7 | 3 | -12 | -30 | -8 | | | | | | | | | | | | | |
| 160 | 62 | 12 | 2 | 4 | 12 | 0 | 0 | -7 | 7 | 3 | -11 | -29 | -9 | | | | | | | | | | | | | |
| 161 | 62 | 33 | 2 | 4 | 11 | 0 | 0 | -8 | 7 | 2 | -11 | -29 | -9 | | | | | | | | | | | | | |
| 162 | 62 | 53 | 1 | 4 | 11 | -8 | -8 | -9 | 7 | 2 | -12 | -29 | -10 | | | | | | | | | | | | | |
| 163 | 63 | 14 | 1 | 4 | 10 | -8 | -8 | -9 | 7 | 1 | -12 | -29 | -10 | | | | | | | | | | | | | |
| 164 | 63 | 34 | 1 | 3 | 9 | -9 | -9 | -10 | 7 | 1 | -13 | -30 | -10 | | | | | | | | | | | | | |
| 165 | 63 | 54 | 1 | 2 | 9 | -1 | -1 | -10 | 6 | 1 | -13 | -30 | -10 | | | | | | | | | | | | | |

HM-510 S/N 6A-10354

APOTIC TEST

25 FEBRUARY 1971

RUN NO. 21 -40 DEG C/ -40 DEG F

| -01 CHECK COUNT | 3-02 TIME MIN. | 3-03 TIME SEC. | 3-25 | | | 3-26 | | | 3-27 | | | 3-28 | | |
|-----------------------|----------------------|----------------------|---------------|-----|------------------------|---------------|-----|-------------------------|---------------|-----|------------------------|---------------|-----|------------------------|
| | | | CARGO AREA | AFT | HEAD LEVEL DEG.C | CARGO AREA | AFT | MAIST LEVEL DEG.C | CARGO AREA | AFT | FOOT LEVEL DEG.C | CARGO AREA | AFT | FLOOR MASS DEG.C |
| 1 | 7 | 36 | -25 | | | 278 | | | -30 | | | -30 | | |
| 2 | 7 | 53 | -25 | | | -28 | | | -30 | | | -30 | | |
| 3 | 8 | 17 | -24 | | | -29 | | | -30 | | | -30 | | |
| 4 | 8 | 37 | -24 | | | -29 | | | -30 | | | -30 | | |
| 5 | 8 | 58 | -25 | | | -29 | | | -30 | | | -30 | | |
| 6 | 9 | 18 | -24 | | | -28 | | | -30 | | | -30 | | |
| 7 | 9 | 39 | -25 | | | -29 | | | -30 | | | -30 | | |
| 8 | 9 | 59 | -26 | | | -29 | | | -30 | | | -30 | | |
| 9 | 10 | 20 | -26 | | | -29 | | | -30 | | | -30 | | |
| 0 | 10 | 40 | -26 | | | -30 | | | -30 | | | -30 | | |
| 11 | 11 | 0 | -26 | | | -30 | | | -32 | | | -31 | | |
| 12 | 11 | 21 | -26 | | | -29 | | | -31 | | | -30 | | |
| 13 | 11 | 41 | -26 | | | -29 | | | -31 | | | -30 | | |
| 14 | 12 | 2 | -26 | | | -29 | | | -31 | | | -30 | | |
| 15 | 12 | 22 | -26 | | | -30 | | | -30 | | | -30 | | |
| 16 | 12 | 42 | -27 | | | -29 | | | -32 | | | -31 | | |
| 17 | 13 | 3 | -26 | | | -28 | | | -31 | | | -30 | | |
| 18 | 13 | 23 | -26 | | | -29 | | | -31 | | | -30 | | |
| 19 | 13 | 44 | -26 | | | -28 | | | -31 | | | -30 | | |
| 0 | 14 | 4 | -26 | | | -29 | | | -30 | | | -30 | | |
| 21 | 14 | 25 | -27 | | | -30 | | | -32 | | | -30 | | |
| 22 | 14 | 45 | -26 | | | -29 | | | -31 | | | -30 | | |
| 23 | 15 | 5 | -27 | | | -30 | | | -31 | | | -30 | | |
| 24 | 15 | 26 | -26 | | | -29 | | | -31 | | | -30 | | |
| 25 | 15 | 46 | -27 | | | -28 | | | -31 | | | -30 | | |
| 26 | 16 | 7 | -27 | | | -29 | | | -31 | | | -30 | | |
| 27 | 16 | 27 | -26 | | | -29 | | | -32 | | | -30 | | |
| 28 | 16 | 48 | -27 | | | -30 | | | -31 | | | -30 | | |
| 29 | 17 | 8 | -26 | | | -30 | | | -31 | | | -30 | | |
| 0 | 17 | 29 | -27 | | | -30 | | | -32 | | | -30 | | |
| 31 | 17 | 49 | -27 | | | -30 | | | -32 | | | -30 | | |
| 32 | 18 | 10 | -27 | | | -32 | | | -31 | | | -31 | | |
| 33 | 18 | 30 | -27 | | | -30 | | | -31 | | | -30 | | |
| 34 | 18 | 50 | -27 | | | -30 | | | -31 | | | -30 | | |
| 35 | 19 | 11 | -27 | | | -30 | | | -31 | | | -30 | | |
| 36 | 19 | 31 | -28 | | | -30 | | | -32 | | | -31 | | |
| 37 | 19 | 57 | -28 | | | -30 | | | -32 | | | -30 | | |
| 38 | 20 | 12 | -26 | | | -30 | | | -33 | | | -30 | | |
| 39 | 20 | 33 | -26 | | | -30 | | | -32 | | | -30 | | |
| 0 | 20 | 53 | -26 | | | -30 | | | -32 | | | -30 | | |
| 41 | 21 | 14 | -28 | | | -30 | | | -32 | | | -30 | | |
| 42 | 21 | 34 | -27 | | | -30 | | | -33 | | | -30 | | |
| 43 | 21 | 55 | -28 | | | -31 | | | -32 | | | -31 | | |
| 44 | 22 | 15 | -28 | | | -30 | | | -32 | | | -31 | | |
| 45 | 22 | 36 | -28 | | | -31 | | | -32 | | | -31 | | |

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

| -01 SWEEP COUNT | 3-02 TIME | | 3-03 TIME | | 3-25 CARGO | | 3-26 CARGO | | 3-27 CARGO | | 3-28 CARGO | |
|-----------------------|--------------|------|--------------|------|---------------|------------------------|---------------|-------------------------|---------------|------------------------|---------------|-------------------------------|
| | MIN. | SEC. | MIN. | SEC. | AREA | HEAD LEVEL DEG.C | AREA | WAIST LEVEL DEG.C | AREA | FOOT LEVEL DEG.C | AREA | AFT FLOOR MASS DEG.C |
| 145 | 57 | 6 | 21 | 6 | 21 | 21 | 18 | 4 | 4 | -13 | -13 | |
| 146 | 57 | 26 | 19 | 26 | 19 | 19 | 11 | -2 | -2 | -13 | -13 | |
| 147 | 57 | 47 | 15 | 47 | 15 | 15 | 4 | -7 | -7 | -13 | -13 | |
| 148 | 58 | 7 | 13 | 7 | 13 | 13 | 0 | -10 | -10 | -12 | -12 | |
| 149 | 58 | 28 | 10 | 28 | 10 | 10 | -3 | -12 | -12 | -12 | -12 | |
| 150 | 58 | 48 | 8 | 48 | 8 | 8 | -7 | -14 | -14 | -12 | -12 | |
| 151 | 59 | 9 | 6 | 9 | 6 | 6 | -9 | -16 | -16 | -12 | -12 | |
| 152 | 59 | 29 | 4 | 29 | 4 | 4 | -10 | -16 | -16 | -12 | -12 | |
| 153 | 59 | 49 | 3 | 49 | 3 | 3 | -11 | -16 | -16 | -12 | -12 | |
| 154 | 60 | 10 | 2 | 10 | 2 | 2 | -11 | -16 | -16 | -12 | -12 | |
| 155 | 60 | 30 | 0 | 30 | 0 | 0 | -12 | -16 | -16 | -12 | -12 | |
| 156 | 60 | 51 | 0 | 51 | 0 | 0 | -12 | -16 | -16 | -12 | -12 | |
| 157 | 61 | 11 | -1 | 11 | -1 | -1 | -13 | -17 | -17 | -12 | -12 | |
| 158 | 61 | 32 | -2 | 32 | -2 | -2 | -14 | -17 | -17 | -12 | -12 | |
| 159 | 61 | 52 | -2 | 52 | -2 | -2 | -13 | -17 | -17 | -12 | -12 | |
| 160 | 62 | 12 | -3 | 12 | -3 | -3 | -14 | -17 | -17 | -12 | -12 | |
| 161 | 62 | 33 | -4 | 33 | -4 | -4 | -15 | -18 | -18 | -12 | -12 | |
| 162 | 62 | 53 | -4 | 53 | -4 | -4 | -15 | -18 | -18 | -13 | -13 | |
| 163 | 63 | 14 | -5 | 14 | -5 | -5 | -15 | -18 | -18 | -13 | -13 | |
| 164 | 63 | 34 | -6 | 34 | -6 | -6 | -16 | -19 | -19 | -13 | -13 | |
| 165 | 63 | 54 | -5 | 54 | -5 | -5 | -16 | -19 | -19 | -13 | -13 | |

HM-51C S/N 68-10354
 ARCTIC TEST
 25 FEBRUARY 1971
 RUN NO. 21 -40 DEG C / -40 DEG F

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PLY WINDSHD INSIDE LOWER CENTER DEG.C | 4-06 CO-PLY WINDSHD INSIDE UPPER R H DEG.C | 4-07 CENTER PANEL WINDSHD INSIDE LWR C DEG.C | 4-08 CENTER PANEL WINDSHD INSIDE UPR C DEG.C | 4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS 1 (COLL. /YAM CHAN) TEMP DEG.C | 4-16 2STAGE AFCS 1 (PITCH PROLL CHAN) TEMP DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP DEG.C |
|-----------------|----------------|----------------|---|--|--|--|---|--|---|---|--|---------------------------------------|
| 1 | 7 | 39 | -31 | -28 | -31 | -26 | -36 | -39 | -36 | -37 | -38 | -39 |
| 2 | 7 | 59 | -31 | -28 | -30 | -27 | -36 | -40 | -36 | -37 | -38 | -39 |
| 3 | 8 | 19 | -31 | -28 | -30 | -26 | -36 | -39 | -36 | -37 | -38 | -39 |
| 4 | 8 | 48 | -31 | -28 | -30 | -26 | -36 | -39 | -36 | -37 | -38 | -39 |
| 5 | 9 | 0 | -30 | -27 | -30 | -25 | -36 | -39 | -36 | -36 | -37 | -38 |
| 6 | 9 | 21 | -30 | -27 | -30 | -25 | -36 | -39 | -36 | -36 | -37 | -38 |
| 7 | 9 | 41 | -30 | -27 | -30 | -25 | -36 | -39 | -36 | -36 | -37 | -38 |
| 8 | 10 | 10 | -31 | -27 | -30 | -24 | -36 | -39 | -36 | -36 | -37 | -38 |
| 9 | 10 | 22 | -31 | -27 | -30 | -24 | -36 | -39 | -36 | -36 | -37 | -38 |
| 0 | 10 | 43 | -31 | -28 | -31 | -25 | -36 | -29 | -36 | -36 | -37 | -38 |
| 11 | 11 | 3 | -31 | -27 | -30 | -25 | -36 | -29 | -36 | -36 | -37 | -38 |
| 12 | 11 | 23 | -30 | -27 | -30 | -24 | -36 | -26 | -36 | -36 | -37 | -38 |
| 13 | 11 | 44 | -30 | -27 | -29 | -24 | -36 | -24 | -36 | -36 | -37 | -38 |
| 14 | 12 | 4 | -31 | -27 | -31 | -24 | -36 | -24 | -36 | -36 | -37 | -38 |
| 15 | 12 | 25 | -31 | -28 | -30 | -25 | -36 | -24 | -36 | -36 | -37 | -38 |
| 16 | 12 | 45 | -31 | -27 | -30 | -25 | -36 | -20 | -36 | -36 | -37 | -38 |
| 17 | 13 | 5 | -31 | -27 | -31 | -25 | -36 | -16 | -36 | -36 | -37 | -38 |
| 18 | 13 | 26 | -31 | -27 | -30 | -25 | -36 | -10 | -36 | -36 | -37 | -38 |
| 19 | 13 | 46 | -31 | -28 | -31 | -24 | -36 | -5 | -36 | -36 | -37 | -38 |
| 0 | 14 | 7 | -31 | -27 | -30 | -25 | -36 | -4 | -36 | -36 | -37 | -38 |
| 21 | 14 | 27 | -31 | -28 | -30 | -26 | -36 | -2 | -36 | -36 | -37 | -38 |
| 22 | 14 | 48 | -31 | -28 | -30 | -24 | -36 | -2 | -36 | -36 | -37 | -38 |
| 23 | 15 | 8 | -31 | -28 | -30 | -25 | -36 | -0 | -36 | -36 | -37 | -38 |
| 24 | 15 | 28 | -30 | -27 | -30 | -24 | -36 | -0 | -36 | -36 | -37 | -38 |
| 25 | 15 | 49 | -30 | -27 | -30 | -25 | -36 | -0 | -36 | -36 | -37 | -38 |
| 26 | 16 | 9 | -31 | -28 | -30 | -26 | -37 | -0 | -36 | -36 | -37 | -38 |
| 27 | 16 | 30 | -31 | -27 | -30 | -26 | -37 | -0 | -36 | -36 | -37 | -38 |
| 28 | 16 | 50 | -31 | -28 | -30 | -25 | -36 | -2 | -36 | -36 | -37 | -38 |
| 29 | 17 | 11 | -31 | -28 | -30 | -26 | -37 | -1 | -36 | -36 | -37 | -38 |
| 0 | 17 | 31 | -31 | -27 | -31 | -26 | -37 | 0 | -36 | -36 | -37 | -38 |
| 31 | 17 | 52 | -32 | -28 | -30 | -28 | -37 | 3 | -36 | -36 | -37 | -38 |
| 32 | 18 | 12 | -32 | -28 | -30 | -26 | -37 | 7 | -36 | -36 | -37 | -38 |
| 33 | 18 | 33 | -31 | -28 | -30 | -26 | -37 | 11 | -36 | -36 | -37 | -38 |
| 34 | 18 | 53 | -31 | -29 | -30 | -26 | -37 | 12 | -36 | -36 | -37 | -38 |
| 35 | 19 | 13 | -32 | -28 | -30 | -26 | -37 | 15 | -36 | -36 | -37 | -38 |
| 36 | 19 | 34 | -32 | -29 | -31 | -27 | -37 | 15 | -36 | -36 | -37 | -38 |
| 37 | 19 | 54 | -33 | -29 | -31 | -27 | -37 | 11 | -36 | -36 | -37 | -38 |
| 38 | 20 | 15 | -31 | -29 | -30 | -27 | -37 | 9 | -36 | -36 | -37 | -38 |
| 39 | 20 | 35 | -31 | -29 | -30 | -26 | -37 | 9 | -36 | -36 | -37 | -38 |
| 0 | 20 | 56 | -32 | -28 | -31 | -26 | -37 | 12 | -36 | -36 | -37 | -38 |
| 42 | 21 | 16 | -32 | -28 | -32 | -27 | -37 | 15 | -36 | -36 | -37 | -38 |
| 43 | 21 | 37 | -32 | -30 | -32 | -27 | -38 | 17 | -36 | -36 | -37 | -38 |
| 44 | 21 | 57 | -32 | -29 | -32 | -27 | -38 | 19 | -36 | -36 | -37 | -38 |
| 45 | 22 | 18 | -32 | -29 | -32 | -27 | -38 | 22 | -36 | -36 | -37 | -38 |
| 45 | 22 | 38 | -32 | -30 | -32 | -27 | -38 | 20 | -36 | -36 | -37 | -38 |

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PLT WINDSH INSIDE LOWER CENTER DEG.C | 4-06 CO-PLT WINDSH INSIDE UPPER L R H DEG.C | 4-07 CENTER PANEL WINDSH INSIDE LHR C DEG.C | 4-08 CENTER PANEL WINDSH INSIDE UPR C DEG.C | 4-11 1STAGE APT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE APT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE APCS 1 (COLL. /YAW CHAM) DEG.C | 4-16 2STAGE APCS 1 (PITCH /ROLL CHAM) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|---|---|---|---|--|---|--|---|---|
| 46 | 22 | 59 | -32 | -26 | -31 | -27 | -37 | 20 | 21 | -35 | -29 | -7 |
| 47 | 23 | 19 | -32 | -29 | -31 | -27 | -37 | 28 | 19 | -35 | -26 | -9 |
| 48 | 23 | 40 | -32 | -29 | -31 | -27 | -37 | 19 | 25 | -35 | -26 | -11 |
| 49 | 24 | 0 | -32 | -29 | -32 | -27 | -38 | 20 | 30 | -35 | -26 | -10 |
| 50 | 24 | 21 | -32 | -29 | -31 | -27 | -37 | 23 | 33 | -34 | -26 | -10 |
| 51 | 24 | 41 | -32 | -29 | -31 | -27 | -37 | 25 | 35 | -34 | -26 | -9 |
| 52 | 25 | 2 | -32 | -30 | -32 | -27 | -38 | 27 | 36 | -35 | -26 | -7 |
| 53 | 25 | 22 | -32 | -29 | -31 | -28 | -38 | 29 | 36 | -34 | -27 | -4 |
| 54 | 25 | 43 | -32 | -30 | -32 | -27 | -37 | 27 | 30 | -34 | -27 | -4 |
| 55 | 26 | 3 | -32 | -29 | -32 | -27 | -38 | 27 | 27 | -34 | -27 | -7 |
| 56 | 26 | 24 | -31 | -29 | -31 | -27 | -37 | 27 | 22 | -34 | -27 | -9 |
| 57 | 26 | 44 | -32 | -30 | -32 | -28 | -37 | 27 | 21 | -34 | -27 | -9 |
| 58 | 27 | 5 | -32 | -29 | -31 | -28 | -37 | 27 | 21 | -34 | -27 | -11 |
| 59 | 27 | 26 | -32 | -30 | -32 | -28 | -38 | 24 | 21 | -34 | -28 | -11 |
| 60 | 27 | 47 | -32 | -30 | -32 | -27 | -38 | 23 | 32 | -35 | -27 | -10 |
| 61 | 28 | 7 | -33 | -30 | -33 | -27 | -37 | 25 | 34 | -34 | -27 | -7 |
| 62 | 28 | 28 | -32 | -29 | -31 | -25 | -36 | 27 | 36 | -34 | -27 | -7 |
| 63 | 28 | 48 | -31 | -28 | -30 | -22 | -35 | 29 | 38 | -34 | -26 | -6 |
| 64 | 29 | 9 | -30 | -27 | -29 | -19 | -36 | 31 | 39 | -35 | -27 | -3 |
| 65 | 29 | 29 | -30 | -24 | -29 | -16 | -38 | 32 | 41 | -35 | -27 | 2 |
| 66 | 29 | 50 | -27 | -22 | -28 | -14 | -38 | 34 | 42 | -35 | -25 | 2 |
| 67 | 30 | 18 | -28 | -21 | -28 | -12 | -38 | 35 | 44 | -35 | -26 | 3 |
| 68 | 30 | 31 | -27 | -18 | -27 | -8 | -38 | 36 | 44 | -34 | -26 | 5 |
| 69 | 30 | 51 | -26 | -16 | -27 | -7 | -37 | 38 | 45 | -34 | -26 | 6 |
| 70 | 31 | 12 | -26 | -16 | -23 | -4 | -38 | 39 | 46 | -35 | -26 | 7 |
| 71 | 31 | 32 | -26 | -15 | -26 | -3 | -38 | 41 | 46 | -34 | -26 | 8 |
| 72 | 31 | 53 | -24 | -13 | -23 | -2 | -38 | 43 | 49 | -34 | -24 | 10 |
| 73 | 32 | 13 | -24 | -15 | -25 | -1 | -37 | 46 | 50 | -34 | -25 | 11 |
| 74 | 32 | 34 | -25 | -13 | -24 | -4 | -38 | 44 | 51 | -34 | -25 | 11 |
| 75 | 32 | 54 | -24 | -11 | -23 | -4 | -37 | 46 | 53 | -34 | -24 | 13 |
| 76 | 33 | 15 | -23 | -12 | -25 | -2 | -37 | 48 | 54 | -34 | -24 | 14 |
| 77 | 33 | 36 | -23 | -11 | -24 | -2 | -37 | 49 | 55 | -34 | -24 | 15 |
| 78 | 33 | 56 | -23 | -11 | -23 | -0 | -37 | 50 | 56 | -33 | -24 | 15 |
| 79 | 34 | 17 | -22 | -10 | -23 | 0 | -37 | 51 | 58 | -32 | -23 | 17 |
| 80 | 34 | 37 | -21 | -8 | -22 | 2 | -37 | 52 | 59 | -32 | -23 | 18 |
| 81 | 34 | 58 | -21 | -8 | -22 | 2 | -37 | 54 | 60 | -32 | -23 | 18 |
| 82 | 35 | 18 | -21 | -8 | -21 | 3 | -36 | 55 | 61 | -32 | -23 | 18 |
| 83 | 35 | 39 | -20 | -6 | -20 | 3 | -36 | 56 | 62 | -32 | -23 | 19 |
| 84 | 35 | 59 | -19 | -6 | -20 | 3 | -36 | 57 | 63 | -32 | -22 | 20 |
| 85 | 36 | 20 | -19 | -5 | -20 | 4 | -36 | 58 | 64 | -32 | -22 | 21 |
| 86 | 36 | 40 | -17 | -6 | -20 | 6 | -36 | 59 | 65 | -32 | -22 | 22 |
| 87 | 37 | 1 | -18 | -6 | -19 | 4 | -36 | 60 | 66 | -32 | -22 | 22 |
| 88 | 37 | 21 | -18 | -6 | -19 | 4 | -36 | 61 | 67 | -32 | -22 | 23 |
| 89 | 37 | 42 | -18 | -6 | -20 | 2 | -36 | 62 | 68 | -32 | -22 | 23 |
| 90 | 38 | 2 | -19 | -8 | -19 | 2 | -35 | 63 | 69 | -32 | -22 | 24 |
| 91 | 38 | 23 | -19 | -8 | -19 | 2 | -35 | 64 | 69 | -31 | -22 | 24 |
| 92 | 38 | 43 | -19 | -8 | -19 | 3 | -35 | 65 | 70 | -31 | -22 | 25 |
| 93 | 39 | 3 | -18 | -8 | -19 | 2 | -35 | 66 | 71 | -31 | -22 | 25 |
| 94 | 39 | 24 | -17 | -7 | -17 | 2 | -34 | 67 | 72 | -30 | -21 | 27 |
| 95 | 39 | 44 | -18 | -7 | -17 | 3 | -34 | 68 | 73 | -30 | -21 | 26 |

| SLEEP COUNT | 4-12 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PLT WINDSH INSIDE LOWER CENTER DEG.C | 4-07 CENTER PANEL WINDSH INSIDE LWR C DEG.C | 4-08 CENTER PANEL WINDSH INSIDE UPR C DEG.C | 4-11 1STAGE AFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE AFT SERVO HYD IN TEMP DEG.C | 4-15 2STAGE AFCS I (COLL. /YAW CHAN) DEG.C | 4-16 2STAGE AFCS I (PITCH /ROLL CHAN) DEG.C | 4-17 UTIL. PUMP INLET HYD. TEMP DEG.C |
|----------------|----------------------|----------------------|--|---|---|---|--|---|--|---|---|
| 96 | 43 | 5 | -17 | -17 | 2 | -34 | 68 | 73 | -31 | -21 | 47 |
| 97 | 40 | 25 | -16 | -17 | 2 | -34 | 69 | 73 | -30 | -21 | 19 |
| 98 | 40 | 46 | -16 | -16 | 3 | -34 | 70 | 74 | -30 | -21 | 24 |
| 99 | 41 | 6 | -17 | -15 | 4 | -34 | 70 | 75 | -29 | -20 | 24 |
| 99 | 41 | 27 | -16 | -15 | 2 | -34 | 71 | 75 | -29 | -20 | 22 |
| 100 | 41 | 47 | -16 | -16 | 1 | -34 | 71 | 75 | -29 | -20 | 22 |
| 101 | 42 | 4 | -16 | -17 | 2 | -33 | 72 | 76 | -29 | -20 | 23 |
| 102 | 42 | 20 | -15 | -17 | 3 | -33 | 72 | 76 | -29 | -20 | 23 |
| 103 | 42 | 48 | -12 | -16 | 5 | -34 | 73 | 77 | -28 | -20 | 23 |
| 104 | 43 | 9 | -10 | -15 | 4 | -33 | 73 | 77 | -28 | -20 | 23 |
| 105 | 43 | 29 | -11 | -15 | 3 | -33 | 74 | 78 | -28 | -20 | 22 |
| 106 | 43 | 50 | -12 | -15 | 2 | -33 | 75 | 78 | -28 | -20 | 22 |
| 107 | 44 | 10 | -14 | -16 | 2 | -33 | 75 | 78 | -27 | -20 | 22 |
| 108 | 44 | 31 | -13 | -14 | 5 | -32 | 75 | 79 | -27 | -20 | 22 |
| 109 | 44 | 51 | -13 | -15 | 7 | -32 | 76 | 79 | -27 | -20 | 22 |
| 110 | 45 | 12 | -12 | -14 | 7 | -32 | 76 | 80 | -26 | -19 | 22 |
| 111 | 45 | 32 | -12 | -14 | 6 | -32 | 76 | 80 | -26 | -19 | 22 |
| 112 | 45 | 53 | -11 | -15 | 5 | -32 | 77 | 81 | -26 | -19 | 22 |
| 113 | 46 | 13 | -12 | -14 | 5 | -32 | 77 | 81 | -26 | -19 | 22 |
| 114 | 46 | 34 | -12 | -14 | 6 | -32 | 78 | 81 | -26 | -19 | 22 |
| 115 | 46 | 54 | -13 | -14 | 6 | -32 | 78 | 82 | -25 | -19 | 22 |
| 116 | 47 | 14 | -12 | -13 | 5 | -32 | 79 | 82 | -25 | -19 | 22 |
| 117 | 47 | 35 | -12 | -12 | 5 | -32 | 79 | 83 | -24 | -18 | 22 |
| 118 | 47 | 54 | -12 | -13 | 4 | -32 | 79 | 83 | -24 | -18 | 22 |
| 119 | 48 | 16 | -11 | -14 | 5 | -32 | 80 | 83 | -25 | -18 | 22 |
| 120 | 48 | 36 | -11 | -12 | 4 | -32 | 81 | 84 | -25 | -18 | 22 |
| 121 | 48 | 57 | -11 | -13 | 4 | -32 | 81 | 85 | -24 | -18 | 22 |
| 122 | 49 | 17 | -10 | -13 | 5 | -32 | 81 | 85 | -24 | -18 | 22 |
| 123 | 49 | 38 | -10 | -13 | 4 | -32 | 82 | 86 | -24 | -18 | 22 |
| 124 | 49 | 58 | -10 | -11 | 4 | -32 | 82 | 86 | -23 | -18 | 22 |
| 125 | 50 | 19 | -9 | -11 | 5 | -31 | 82 | 86 | -23 | -18 | 22 |
| 126 | 50 | 39 | -9 | -11 | 7 | -31 | 82 | 86 | -23 | -18 | 22 |
| 127 | 51 | 8 | -7 | -10 | 8 | -32 | 83 | 86 | -23 | -18 | 22 |
| 128 | 51 | 20 | -7 | -10 | 10 | -31 | 83 | 86 | -23 | -18 | 22 |
| 129 | 51 | 41 | -7 | -11 | 11 | -31 | 84 | 87 | -23 | -18 | 22 |
| 130 | 52 | 1 | -7 | -10 | 10 | -31 | 84 | 87 | -23 | -18 | 22 |
| 131 | 52 | 22 | -6 | -9 | 9 | -31 | 84 | 87 | -22 | -18 | 22 |
| 132 | 52 | 42 | -7 | -10 | 10 | -31 | 85 | 88 | -22 | -18 | 22 |
| 133 | 53 | 7 | -6 | -8 | 11 | -31 | 85 | 88 | -22 | -18 | 22 |
| 134 | 53 | 23 | -5 | -9 | 11 | -31 | 85 | 88 | -22 | -18 | 22 |
| 135 | 53 | 43 | -5 | -8 | 11 | -31 | 85 | 88 | -22 | -18 | 22 |
| 136 | 54 | 4 | -5 | -8 | 10 | -31 | 86 | 88 | -22 | -18 | 22 |
| 137 | 54 | 24 | -4 | -7 | 11 | -30 | 86 | 89 | -22 | -17 | 22 |
| 138 | 54 | 45 | -3 | -6 | 12 | -30 | 86 | 89 | -22 | -17 | 22 |
| 139 | 55 | 5 | -2 | -8 | 12 | -30 | 86 | 89 | -22 | -17 | 22 |
| 140 | 55 | 26 | -3 | -8 | 11 | -30 | 86 | 89 | -21 | -17 | 22 |
| 141 | 55 | 46 | -5 | -9 | 13 | -30 | 87 | 89 | -21 | -17 | 22 |
| 142 | 56 | 7 | -4 | -9 | 15 | -30 | 87 | 89 | -21 | -17 | 22 |
| 143 | 56 | 27 | -5 | -9 | 17 | -29 | 87 | 89 | -20 | -16 | 22 |
| 144 | 56 | 48 | -4 | -7 | 18 | -29 | 88 | 90 | -20 | -16 | 22 |

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-05 CO-PLY WINDSH INSIDF LOWER CENTER DEG.C | 4-06 CO-PLY WINDSH UPPER I R H DEG.C | 4-07 CENTER PANEL WINDSH INSIDE LNR C DEG.C | 4-08 CENTER PANEL WINDSH INSIDE UPR C DEG.C | 4-11 1STAGE LFT SERVO HYD IN TEMP DEG.C | 4-12 2STAGE PUMP INLET HYD. TEMP DEG.C | 4-14 2STAGE SERVO HYD IN TEMP DEG.C | 4-15 2STAGE ARGCS I /YAN CHAM) DEG.C | 4-16 2STAGE ARGCS I /PATCH /ROLL CHAM) DEG.C | 4-17 WHEEL PUMP INLET HYD. TEMP DEG.C |
|-----------------------|----------------------|----------------------|--|---|---|---|---|--|--|---|--|---|
| 145 | 57 | 8 | -4 | 13 | -9 | 15 | -29 | 88 | 90 | -20 | -16 | 24 |
| 146 | 57 | 29 | -4 | 11 | -8 | 14 | -29 | 89 | 91 | -20 | -16 | 24 |
| 147 | 57 | 49 | -5 | 9 | -9 | 12 | -29 | 89 | 92 | -19 | -16 | 24 |
| 148 | 58 | 10 | -4 | 7 | -9 | 11 | -28 | 90 | 93 | -19 | -15 | 24 |
| 149 | 58 | 30 | -5 | 5 | -8 | 8 | -28 | 91 | 93 | -19 | -15 | 25 |
| 150 | 58 | 51 | -5 | 4 | -10 | 7 | -28 | 91 | 94 | -18 | -15 | 25 |
| 151 | 59 | 11 | -6 | 4 | -10 | 6 | -28 | 91 | 93 | -18 | -15 | 25 |
| 152 | 59 | 32 | -6 | 3 | -10 | 5 | -28 | 90 | 88 | -18 | -15 | 24 |
| 153 | 59 | 52 | -6 | 2 | -10 | 4 | -28 | 89 | 88 | -18 | -15 | 24 |
| 154 | 60 | 12 | -6 | 2 | -18 | 4 | -27 | 88 | 80 | -18 | -16 | 21 |
| 155 | 60 | 33 | -6 | 2 | -11 | 3 | -28 | 87 | 77 | -18 | -16 | 19 |
| 156 | 60 | 53 | -4 | 1 | -10 | 2 | -27 | 86 | 74 | -18 | -16 | 18 |
| 157 | 61 | 14 | -6 | 1 | -10 | 3 | -28 | 85 | 71 | -18 | -16 | 17 |
| 158 | 61 | 34 | -7 | 1 | -10 | 2 | -28 | 84 | 68 | -19 | -17 | 16 |
| 159 | 61 | 55 | -7 | 1 | -10 | 2 | -27 | 83 | 66 | -18 | -17 | 15 |
| 160 | 62 | 15 | -7 | 1 | -11 | 1 | -28 | 82 | 63 | -18 | -18 | 14 |
| 161 | 62 | 35 | -7 | 0 | -11 | 1 | -27 | 81 | 61 | -18 | -18 | 13 |
| 162 | 62 | 56 | -7 | 0 | -11 | 0 | -28 | 80 | 59 | -18 | -18 | 12 |
| 163 | 63 | 16 | -7 | 0 | -11 | 0 | -28 | 79 | 56 | -18 | -18 | 11 |
| 164 | 63 | 37 | -7 | 0 | -11 | 0 | -28 | 78 | 54 | -18 | -18 | 10 |
| 165 | 63 | 57 | -8 | 0 | -11 | 0 | -28 | 76 | 51 | -18 | -18 | 9 |

MH-51C S/N 68-13854
 ARCTIC TEST
 25 FEBRUARY 1971
 RUN NO. 21 -40 DEG C/ -40 DEG F

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-18 UTIL. PUMP OUTLET HYD. TEMP. DEG.C | 4-19 UTIL AFCS 2 (PITCH / POLL CHAN) DEG.C | 4-20 ROTARY RUDDER 1STAGE INLET TEMP DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP. DEG.C | 4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C | 4-26 APP WTR. FIRE EXT. MASS DEG.C |
|-----------------------|----------------------|----------------------|---|--|--|---|--|--|--|---|--|
| 1 | 7 | 39 | -40 | -36 | -40 | -40 | -39 | -39 | -38 | -38 | -37 |
| 2 | 7 | 59 | -40 | -36 | -40 | -40 | -39 | -39 | -37 | -38 | -37 |
| 3 | 8 | 19 | -40 | -36 | -40 | -40 | -40 | -40 | -38 | -38 | -37 |
| 4 | 8 | 40 | -40 | -36 | -40 | -40 | -39 | -40 | -38 | -38 | -37 |
| 5 | 9 | 0 | -40 | -36 | -40 | -40 | -39 | -39 | -38 | -37 | -37 |
| 6 | 9 | 21 | -40 | -36 | -40 | -40 | -39 | -39 | -38 | -37 | -37 |
| 7 | 9 | 41 | -39 | -36 | -40 | -40 | -39 | -39 | -38 | -37 | -37 |
| 8 | 10 | 2 | -35 | -36 | -40 | -40 | -39 | -39 | -30 | -30 | -37 |
| 9 | 10 | 22 | -30 | -36 | -40 | -39 | -39 | -39 | -22 | -22 | -37 |
| 10 | 10 | 43 | -30 | -36 | -40 | -39 | -39 | -40 | -17 | -17 | -37 |
| 11 | 11 | 3 | -27 | -36 | -40 | -38 | -39 | -39 | -7 | -7 | -36 |
| 12 | 11 | 23 | -26 | -36 | -40 | -36 | -39 | -39 | -4 | -4 | -36 |
| 13 | 11 | 44 | -25 | -36 | -40 | -34 | -38 | -39 | -1 | -1 | -36 |
| 14 | 12 | 4 | -24 | -36 | -40 | -35 | -39 | -39 | 3 | 3 | -35 |
| 15 | 12 | 25 | -22 | -36 | -40 | -35 | -38 | -39 | 3 | 3 | -35 |
| 16 | 12 | 45 | -19 | -36 | -40 | -35 | -38 | -39 | 7 | 7 | -35 |
| 17 | 13 | 5 | -18 | -36 | -40 | -35 | -38 | -39 | 9 | 9 | -35 |
| 18 | 13 | 26 | -16 | -36 | -40 | -35 | -37 | -38 | 11 | 11 | -35 |
| 19 | 13 | 46 | -16 | -36 | -40 | -35 | -36 | -38 | 12 | 12 | -34 |
| 20 | 14 | 7 | -19 | -36 | -40 | -36 | -36 | -38 | 8 | 8 | -34 |
| 21 | 14 | 27 | -20 | -36 | -40 | -36 | -35 | -38 | 5 | 5 | -34 |
| 22 | 14 | 44 | -22 | -36 | -40 | -36 | -35 | -37 | 3 | 3 | -34 |
| 23 | 15 | 4 | -23 | -36 | -40 | -36 | -35 | -37 | 3 | 3 | -34 |
| 24 | 15 | 28 | -24 | -36 | -39 | -36 | -34 | -37 | 0 | 0 | -34 |
| 25 | 15 | 49 | -24 | -36 | -40 | -36 | -34 | -37 | 0 | 0 | -34 |
| 26 | 16 | 9 | -21 | -36 | -39 | -36 | -34 | -36 | 0 | 0 | -34 |
| 27 | 16 | 30 | -16 | -36 | -40 | -36 | -32 | -36 | 8 | 8 | -34 |
| 28 | 16 | 50 | -13 | -36 | -39 | -36 | -32 | -36 | 11 | 11 | -34 |
| 29 | 17 | 11 | -13 | -36 | -39 | -37 | -32 | -35 | 12 | 12 | -33 |
| 30 | 17 | 31 | -12 | -36 | -40 | -36 | -31 | -35 | 5 | 5 | -33 |
| 31 | 17 | 52 | -11 | -36 | -40 | -37 | -31 | -35 | 14 | 14 | -33 |
| 32 | 18 | 12 | -10 | -36 | -40 | -37 | -31 | -34 | 14 | 14 | -33 |
| 33 | 18 | 33 | -10 | -36 | -40 | -37 | -30 | -34 | 15 | 15 | -32 |
| 34 | 18 | 53 | -12 | -36 | -40 | -37 | -29 | -34 | 15 | 15 | -32 |
| 35 | 19 | 13 | -14 | -36 | -40 | -37 | -29 | -33 | 11 | 11 | -32 |
| 36 | 19 | 34 | -15 | -36 | -40 | -38 | -28 | -33 | 6 | 6 | -32 |
| 37 | 19 | 54 | -17 | -36 | -40 | -38 | -28 | -32 | 0 | 0 | -32 |
| 38 | 20 | 15 | -13 | -36 | -40 | -38 | -26 | -32 | 5 | 5 | -32 |
| 39 | 20 | 35 | -8 | -36 | -40 | -38 | -26 | -31 | 4 | 4 | -32 |
| 40 | 20 | 56 | -6 | -36 | -40 | -38 | -26 | -31 | 13 | 13 | -32 |
| 41 | 21 | 16 | -7 | -36 | -40 | -38 | -27 | -31 | 15 | 15 | -32 |
| 42 | 21 | 37 | -7 | -36 | -40 | -38 | -26 | -31 | 16 | 16 | -32 |
| 43 | 21 | 57 | -6 | -36 | -40 | -39 | -26 | -30 | 18 | 18 | -32 |
| 44 | 22 | 18 | -4 | -36 | -40 | -38 | -25 | -30 | 18 | 18 | -31 |
| 45 | 22 | 38 | -7 | -36 | -40 | -39 | -25 | -30 | 15 | 15 | -31 |

| -01 SWEEP COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-19 UTIL. PUMP OUTLET HYD. TEMP. DEG.C | 4-19 UTIL AFCS 2 (PITCH / ROLL CMDN) DEG.C | 4-20 ROTARY RUDDER 1STAGE INLET TEMP. DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP. DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP. DEG.C | 4-23 WINCH PUMP OUTLET TEMP. HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C | 4-26 APP. HYR. FIRE EXT. HAZ. DEG.C |
|-----------------------|----------------------|----------------------|---|--|---|--|--|---|--|---|---|
| 46 | 22 | 59 | -8 | -35 | -40 | -38 | -24 | -29 | 13 | 9 | -31 |
| 47 | 23 | 19 | -10 | -35 | -40 | -38 | -24 | -29 | 11 | 7 | -32 |
| 48 | 23 | 40 | -5 | -35 | -40 | -38 | -23 | -28 | 15 | 10 | -32 |
| 49 | 24 | 0 | -1 | -35 | -40 | -38 | -23 | -28 | 17 | 12 | -32 |
| 50 | 24 | 21 | -2 | -35 | -40 | -38 | -23 | -28 | 19 | 14 | -31 |
| 51 | 24 | 41 | -2 | -34 | -40 | -38 | -22 | -28 | 19 | 15 | -30 |
| 52 | 25 | 2 | -2 | -35 | -40 | -39 | -22 | -28 | 20 | 16 | -30 |
| 53 | 25 | 22 | -1 | -35 | -40 | -40 | -22 | -27 | 19 | 17 | -30 |
| 54 | 25 | 43 | -4 | -35 | -40 | -39 | -21 | -27 | 17 | 14 | -30 |
| 55 | 26 | 3 | -5 | -35 | -40 | -39 | -21 | -26 | 15 | 12 | -31 |
| 56 | 26 | 24 | -7 | -34 | -40 | -39 | -21 | -26 | 13 | 11 | -31 |
| 57 | 26 | 44 | -8 | -34 | -40 | -39 | -20 | -26 | 12 | 8 | -31 |
| 58 | 27 | 5 | -9 | -34 | -40 | -39 | -20 | -26 | 11 | 8 | -31 |
| 59 | 27 | 26 | -6 | -35 | -40 | -39 | -20 | -25 | 11 | 8 | -32 |
| 60 | 27 | 47 | -1 | -35 | -40 | -39 | -20 | -25 | 16 | 11 | -31 |
| 61 | 28 | 7 | -1 | -35 | -40 | -40 | -20 | -25 | 17 | 12 | -31 |
| 62 | 28 | 28 | 0 | -34 | -40 | -40 | -20 | -25 | 19 | 14 | -30 |
| 63 | 28 | 48 | 0 | -35 | -40 | -40 | -20 | -25 | 20 | 15 | -30 |
| 64 | 29 | 9 | 1 | -35 | -41 | -40 | -20 | -25 | 21 | 15 | -30 |
| 65 | 29 | 29 | 2 | -35 | -41 | -41 | -20 | -25 | 22 | 17 | -30 |
| 66 | 29 | 50 | 4 | -35 | -41 | -40 | -19 | -25 | 24 | 18 | -30 |
| 67 | 30 | 10 | 5 | -35 | -41 | -40 | -19 | -24 | 24 | 20 | -29 |
| 68 | 30 | 31 | 6 | -35 | -41 | -41 | -19 | -24 | 26 | 22 | -29 |
| 69 | 30 | 51 | 7 | -35 | -41 | -40 | -19 | -24 | 26 | 22 | -29 |
| 70 | 31 | 12 | 8 | -34 | -41 | -41 | -19 | -24 | 28 | 23 | -29 |
| 71 | 31 | 32 | 8 | -35 | -41 | -41 | -19 | -24 | 29 | 26 | -29 |
| 72 | 31 | 53 | 10 | -35 | -41 | -40 | -19 | -24 | 31 | 26 | -29 |
| 73 | 32 | 13 | 11 | -35 | -41 | -41 | -18 | -24 | 32 | 25 | -28 |
| 74 | 32 | 34 | 11 | -35 | -41 | -41 | -18 | -24 | 32 | 25 | -28 |
| 75 | 32 | 54 | 13 | -34 | -42 | -41 | -17 | -23 | 34 | 27 | -28 |
| 76 | 33 | 15 | 14 | -34 | -41 | -41 | -16 | -23 | 34 | 27 | -28 |
| 77 | 33 | 36 | 15 | -34 | -41 | -41 | -16 | -23 | 35 | 29 | -28 |
| 78 | 33 | 56 | 15 | -34 | -41 | -41 | -16 | -23 | 36 | 29 | -27 |
| 79 | 34 | 17 | 17 | -34 | -41 | -40 | -15 | -22 | 37 | 31 | -28 |
| 80 | 34 | 37 | 19 | -34 | -41 | -40 | -15 | -22 | 38 | 31 | -27 |
| 81 | 34 | 58 | 19 | -34 | -41 | -41 | -15 | -22 | 38 | 32 | -27 |
| 82 | 35 | 18 | 20 | -33 | -42 | -41 | -15 | -22 | 38 | 32 | -27 |
| 83 | 35 | 39 | 21 | -33 | -41 | -41 | -14 | -21 | 39 | 33 | -26 |
| 84 | 35 | 59 | 22 | -33 | -41 | -40 | -14 | -21 | 40 | 34 | -27 |
| 85 | 36 | 20 | 22 | -33 | -41 | -41 | -13 | -21 | 41 | 34 | -26 |
| 86 | 36 | 40 | 24 | -33 | -42 | -41 | -13 | -20 | 41 | 35 | -26 |
| 87 | 37 | 1 | 24 | -32 | -42 | -41 | -13 | -20 | 42 | 36 | -26 |
| 88 | 37 | 21 | 25 | -32 | -42 | -41 | -12 | -20 | 42 | 36 | -26 |
| 89 | 37 | 42 | 26 | -33 | -42 | -40 | -12 | -20 | 43 | 37 | -26 |
| 90 | 38 | 2 | 27 | -32 | -42 | -40 | -12 | -19 | 44 | 38 | -26 |
| 91 | 39 | 21 | 28 | -32 | -42 | -41 | -12 | -19 | 44 | 38 | -26 |
| 92 | 39 | 43 | 29 | -32 | -42 | -40 | -11 | -19 | 44 | 39 | -26 |
| 93 | 39 | 3 | 29 | -32 | -41 | -40 | -11 | -18 | 45 | 40 | -26 |
| 94 | 39 | 24 | 29 | -31 | -42 | -40 | -10 | -18 | 45 | 40 | -25 |
| 95 | 39 | 44 | 30 | -31 | -42 | -41 | -10 | -17 | 45 | 41 | -25 |

| 4-01 SWITCH COUNT | 4-02 TIME MIN. | 4-03 TIME SEC. | 4-14 UTIL. PUMP OUTLET HYD. TEMP. DEG.C | 4-19 UTIL AFCS 2 (PITCH / ROLL CHAN) DEG.C | 4-20 ROTARY RUDDER INSTRAGE INLET TEMP DEG.C | 4-21 ROTARY RUDDER UTIL. INLET TEMP DEG.C | 4-22 WINCH PUMP INLET HYD. TEMP DEG.C | 4-23 WINCH PUMP OUTLET TEMP HYD. DEG.C | 4-24 UTIL. HEAT EXCH. INLET HYD. DEG.C | 4-25 UTIL. HEAT EXCH. OUTLET HYD. DEG.C | 4-26 APP. HYD. FIRE EXT. MASS DEG.C |
|-------------------------|----------------------|----------------------|---|--|--|---|---|--|--|---|---|
| 96 | 40 | 5 | 30 | -31 | -41 | -40 | -10 | -17 | 45 | 32 | -25 |
| 97 | 40 | 25 | 29 | -31 | -41 | -39 | -9 | -16 | 45 | 19 | -24 |
| 98 | 40 | 46 | 28 | -31 | -41 | -39 | -9 | -16 | 44 | 25 | -25 |
| 99 | 41 | 6 | 28 | -40 | -41 | -39 | -8 | -16 | 44 | 26 | -24 |
| 100 | 41 | 27 | 28 | -30 | -41 | -38 | -8 | -15 | 44 | 30 | -24 |
| 101 | 41 | 47 | 29 | -30 | -41 | -38 | -8 | -15 | 44 | 31 | -24 |
| 102 | 42 | 8 | 29 | -30 | -41 | -38 | -8 | -14 | 44 | 31 | -24 |
| 103 | 42 | 28 | 29 | -30 | -41 | -38 | -7 | -14 | 44 | 31 | -24 |
| 104 | 42 | 48 | 29 | -29 | -41 | -38 | -7 | -13 | 44 | 31 | -24 |
| 105 | 43 | 9 | 29 | -41 | -41 | -37 | -7 | -13 | 44 | 31 | -23 |
| 106 | 43 | 29 | 29 | -29 | -40 | -37 | -6 | -12 | 44 | 30 | -23 |
| 107 | 43 | 50 | 29 | -29 | -40 | -36 | -6 | -12 | 44 | 30 | -23 |
| 108 | 44 | 10 | 29 | -28 | -40 | -36 | -6 | -12 | 44 | 30 | -22 |
| 109 | 44 | 31 | 29 | -28 | -40 | -36 | -6 | -12 | 44 | 30 | -22 |
| 110 | 44 | 51 | 29 | -28 | -40 | -35 | -6 | -12 | 44 | 30 | -22 |
| 111 | 45 | 12 | 29 | -28 | -40 | -35 | -5 | -11 | 45 | 30 | -22 |
| 112 | 45 | 32 | 29 | -28 | -40 | -35 | -5 | -11 | 45 | 30 | -22 |
| 113 | 45 | 53 | 29 | -27 | -40 | -34 | -5 | -11 | 45 | 31 | -22 |
| 114 | 46 | 13 | 29 | -27 | -40 | -34 | -5 | -11 | 44 | 31 | -22 |
| 115 | 46 | 34 | 29 | -27 | -40 | -34 | -5 | -11 | 45 | 31 | -22 |
| 116 | 46 | 54 | 29 | -26 | -40 | -33 | -4 | -10 | 45 | 31 | -22 |
| 117 | 47 | 14 | 29 | -26 | -40 | -33 | -4 | -10 | 45 | 31 | -22 |
| 118 | 47 | 35 | 29 | -26 | -40 | -33 | -5 | -10 | 45 | 31 | -22 |
| 119 | 47 | 55 | 29 | -26 | -40 | -32 | -5 | -10 | 45 | 31 | -22 |
| 120 | 48 | 16 | 29 | -26 | -40 | -32 | -5 | -10 | 45 | 31 | -22 |
| 121 | 48 | 36 | 29 | -26 | -40 | -32 | -4 | -10 | 45 | 31 | -21 |
| 122 | 48 | 57 | 29 | -25 | -40 | -31 | -4 | -10 | 45 | 31 | -21 |
| 123 | 49 | 17 | 29 | -26 | -40 | -31 | -4 | -10 | 45 | 31 | -21 |
| 124 | 49 | 38 | 29 | -25 | -39 | -30 | -4 | -10 | 45 | 31 | -21 |
| 125 | 49 | 58 | 29 | -25 | -39 | -30 | -4 | -10 | 45 | 31 | -21 |
| 126 | 50 | 19 | 29 | -25 | -39 | -30 | -3 | -9 | 45 | 31 | -20 |
| 127 | 50 | 39 | 29 | -24 | -39 | -30 | -3 | -9 | 45 | 31 | -20 |
| 128 | 51 | 0 | 29 | -24 | -39 | -29 | -3 | -9 | 45 | 31 | -20 |
| 129 | 51 | 20 | 29 | -24 | -39 | -29 | -3 | -9 | 45 | 31 | -20 |
| 130 | 51 | 41 | 29 | -24 | -39 | -29 | -3 | -9 | 45 | 31 | -20 |
| 131 | 52 | 1 | 29 | -24 | -38 | -28 | -3 | -9 | 45 | 30 | -20 |
| 132 | 52 | 22 | 29 | -24 | -38 | -28 | -2 | -9 | 45 | 30 | -20 |
| 133 | 52 | 42 | 29 | -24 | -36 | -28 | -3 | -9 | 45 | 30 | -20 |
| 134 | 53 | 3 | 29 | -23 | -38 | -28 | -3 | -9 | 45 | 31 | -20 |
| 135 | 53 | 23 | 29 | -24 | -39 | -28 | -2 | -9 | 45 | 31 | -20 |
| 136 | 53 | 43 | 29 | -23 | -38 | -27 | -2 | -9 | 45 | 30 | -20 |
| 137 | 54 | 4 | 29 | -23 | -38 | -27 | -3 | -9 | 45 | 31 | -20 |
| 138 | 54 | 24 | 29 | -23 | -38 | -26 | -3 | -9 | 45 | 31 | -20 |
| 139 | 54 | 45 | 30 | -23 | -36 | -26 | -3 | -9 | 45 | 30 | -20 |
| 140 | 55 | 5 | 30 | -23 | -36 | -26 | -3 | -9 | 45 | 29 | -19 |
| 141 | 55 | 26 | 30 | -22 | -36 | -26 | -3 | -9 | 45 | 29 | -19 |
| 142 | 55 | 46 | 30 | -22 | -36 | -25 | -3 | -9 | 45 | 30 | -19 |
| 143 | 56 | 27 | 30 | -22 | -37 | -25 | -3 | -9 | 46 | 31 | -19 |
| 144 | 56 | 48 | 31 | -22 | -37 | -24 | -3 | -9 | 46 | 30 | -18 |
| | 56 | | | -22 | -37 | -24 | -2 | -9 | 47 | 31 | -18 |

| | | | | | | | | | | | |
|-------|------|------|--------|--------|---------|---------|-------|--------|-------|--------|-------|
| -01 | 4-02 | 4-03 | 4-16 | 4-19 | 4-20 | 4-21 | 4-22 | 4-23 | 4-24 | 4-25 | 4-26 |
| SHEEP | TIME | TIME | UTIL. | UTIL | ROTIARY | ROTIARY | WINCH | WINCH | UTIL. | UTIL. | APP. |
| COUNT | MIN. | SEC. | PUMP | AFCS 2 | RODDER | POODER | PUMP | PUMP | MEAT | MEAT | MEAT |
| | | | OUTLET | IPITCH | 1STAGE | UTIL. | INLET | OUTLET | EXCH. | EXCH. | FIRE |
| | | | HYD. | / ROLL | INLET | INLET | HYD. | TEMP | INLET | OUTLET | EXT. |
| | | | TEMP | CHRN) | TEMP | TEMP | TEMP | HYD. | HYD. | HYD. | MASS |
| | | | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 145 | 57 | 8 | 31 | -21 | -36 | -24 | -3 | -8 | 47 | 31 | -18 |
| 146 | 57 | 29 | 31 | -21 | -36 | -24 | -3 | -8 | 48 | 22 | -18 |
| 147 | 57 | 49 | 31 | -20 | -36 | -23 | -3 | -8 | 48 | 16 | -18 |
| 148 | 58 | 10 | 32 | -20 | -36 | -22 | -2 | -7 | 49 | 17 | -18 |
| 149 | 58 | 30 | 32 | -20 | -36 | -22 | -2 | -7 | 49 | 25 | -18 |
| 150 | 58 | 51 | 33 | -20 | -35 | -21 | -2 | -7 | 49 | 27 | -18 |
| 151 | 58 | 11 | 32 | -20 | -35 | -22 | -2 | -7 | 49 | 23 | -17 |
| 152 | 59 | 32 | 29 | -19 | -35 | -22 | -2 | -7 | 47 | 29 | -18 |
| 153 | 59 | 52 | 27 | -19 | -35 | -23 | -2 | -7 | 44 | 29 | -18 |
| 154 | 60 | 12 | 26 | -19 | -34 | -24 | -2 | -7 | 41 | 29 | -18 |
| 155 | 60 | 33 | 25 | -19 | -34 | -24 | -2 | -7 | 39 | 29 | -18 |
| 156 | 60 | 53 | 23 | -19 | -34 | -24 | -2 | -7 | 36 | 24 | -19 |
| 157 | 61 | 14 | 23 | -19 | -34 | -25 | -2 | -7 | 34 | 22 | -19 |
| 158 | 61 | 34 | 21 | -19 | -34 | -25 | -2 | -7 | 32 | 21 | -19 |
| 159 | 61 | 55 | 20 | -19 | -34 | -26 | -2 | -7 | 29 | 20 | -20 |
| 160 | 62 | 15 | 19 | -19 | -34 | -26 | -3 | -7 | 27 | 18 | -20 |
| 161 | 62 | 35 | 19 | -19 | -34 | -26 | -3 | -7 | 25 | 18 | -20 |
| 162 | 62 | 56 | 17 | -19 | -34 | -26 | -4 | -6 | 23 | 17 | -20 |
| 163 | 63 | 16 | 17 | -19 | -34 | -27 | -4 | -6 | 21 | 15 | -20 |
| 164 | 63 | 37 | 16 | -19 | -34 | -27 | -4 | -6 | 19 | 14 | -20 |
| 165 | 63 | 57 | 14 | -19 | -34 | -28 | -5 | -8 | 17 | 14 | -20 |

HH-57C S/N 68-10354
 ARCTIC TEST
 25 FEBRUARY 1971
 RUN NO. 21 -40 DEG C/ -40 DEG F

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR | 5-20 GEN.1 MASS TEMP | 5-21 FUEL TEMP. | 5-22 L.ELFC COMPT TOPOTR | 5-23 L.ELFC COMPT PTM RT | 5-24 L.ELEC COMPT RTALTY | 5-25 R.ELEC COMPT LEFT | 5-26 R.ELEC COMPT CENTER | 5-27 R.ELEC COMPT RIGHT | 5-29 GEN.2 MASS TEMP |
|-----------------------|----------------------|----------------------|------------------------|-------------------------------|-----------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------|-----------------------------------|----------------------------------|-------------------------------|
| | | | BOX OIL TEMP | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 1 | 7 | 41 | -38 | -38 | -40 | -31 | -34 | -34 | -32 | -32 | -33 | -30 |
| 2 | 8 | 1 | -38 | -38 | -40 | -32 | -34 | -34 | -34 | -32 | -33 | -30 |
| 3 | 8 | 22 | -38 | -39 | -40 | -32 | -34 | -35 | -34 | -34 | -34 | -30 |
| 4 | 8 | 42 | -38 | -38 | -40 | -32 | -35 | -35 | -33 | -34 | -34 | -30 |
| 5 | 9 | 3 | -38 | -38 | -39 | -32 | -34 | -34 | -32 | -34 | -34 | -30 |
| 6 | 9 | 23 | -37 | -39 | -40 | -31 | -35 | -35 | -33 | -33 | -35 | -30 |
| 7 | 9 | 44 | -38 | -39 | -40 | -32 | -34 | -34 | -34 | -34 | -34 | -30 |
| 8 | 10 | 4 | -38 | -36 | -40 | -32 | -35 | -35 | -32 | -34 | -34 | -30 |
| 9 | 10 | 25 | -38 | -38 | -40 | -32 | -34 | -34 | -33 | -34 | -34 | -30 |
| 0 | 10 | 45 | -35 | -38 | -40 | -32 | -34 | -34 | -33 | -34 | -34 | -30 |
| 11 | 11 | 5 | -32 | -38 | -40 | -32 | -34 | -35 | -34 | -34 | -34 | -30 |
| 12 | 11 | 26 | -23 | -34 | -40 | -32 | -34 | -35 | -34 | -33 | -34 | -30 |
| 13 | 11 | 46 | -17 | -36 | -40 | -32 | -34 | -34 | -32 | -33 | -34 | -30 |
| 14 | 12 | 7 | -14 | -36 | -40 | -32 | -34 | -33 | -31 | -33 | -32 | -30 |
| 15 | 12 | 27 | -11 | -35 | -40 | -32 | -34 | -34 | -31 | -33 | -32 | -30 |
| 16 | 12 | 47 | -5 | -34 | -40 | -32 | -34 | -35 | -34 | -34 | -35 | -30 |
| 17 | 13 | 8 | -1 | -33 | -40 | -32 | -34 | -34 | -33 | -33 | -34 | -30 |
| 18 | 13 | 28 | 0 | -31 | -40 | -32 | -34 | -34 | -33 | -33 | -34 | -30 |
| 19 | 13 | 49 | -4 | -30 | -40 | -32 | -35 | -34 | -33 | -33 | -33 | -30 |
| 0 | 14 | 9 | -12 | -28 | -40 | -32 | -34 | -35 | -32 | -33 | -32 | -30 |
| 21 | 14 | 30 | -16 | -24 | -40 | -32 | -34 | -35 | -34 | -34 | -32 | -30 |
| 22 | 14 | 50 | -18 | -27 | -40 | -32 | -34 | -35 | -34 | -34 | -32 | -30 |
| 23 | 15 | 10 | -14 | -26 | -40 | -32 | -34 | -34 | -33 | -33 | -32 | -30 |
| 24 | 15 | 31 | -19 | -25 | -39 | -32 | -34 | -34 | -33 | -33 | -33 | -30 |
| 25 | 15 | 51 | -19 | -25 | -40 | -32 | -34 | -34 | -33 | -33 | -33 | -30 |
| 26 | 16 | 12 | 0 | -24 | -40 | -32 | -34 | -34 | -32 | -33 | -33 | -30 |
| 27 | 16 | 32 | 6 | -24 | -40 | -32 | -34 | -34 | -34 | -33 | -32 | -30 |
| 28 | 16 | 53 | 4 | -24 | -40 | -32 | -34 | -34 | -34 | -33 | -32 | -30 |
| 29 | 17 | 13 | 7 | -24 | -40 | -32 | -34 | -34 | -33 | -33 | -32 | -30 |
| 0 | 17 | 33 | 9 | -23 | -40 | -32 | -34 | -34 | -33 | -34 | -32 | -30 |
| 31 | 17 | 54 | 12 | -22 | -40 | -32 | -34 | -34 | -34 | -34 | -34 | -30 |
| 32 | 18 | 14 | 14 | -21 | -40 | -32 | -34 | -34 | -32 | -33 | -33 | -30 |
| 33 | 18 | 35 | 8 | -20 | -40 | -32 | -34 | -34 | -33 | -33 | -33 | -30 |
| 34 | 18 | 55 | 0 | -19 | -40 | -32 | -34 | -34 | -32 | -33 | -33 | -30 |
| 35 | 19 | 16 | -2 | -18 | -40 | -33 | -34 | -35 | -32 | -33 | -34 | -30 |
| 36 | 19 | 36 | -4 | -18 | -40 | -33 | -34 | -35 | -34 | -34 | -34 | -30 |
| 37 | 19 | 57 | -5 | -17 | -40 | -32 | -35 | -34 | -33 | -34 | -34 | -30 |
| 38 | 20 | 17 | 7 | -17 | -40 | -32 | -35 | -34 | -33 | -34 | -34 | -30 |
| 39 | 20 | 38 | 14 | -16 | -39 | -32 | -34 | -34 | -34 | -33 | -34 | -30 |
| 0 | 20 | 58 | 17 | -16 | -39 | -32 | -34 | -34 | -33 | -33 | -34 | -30 |
| 1 | 21 | 19 | 16 | -16 | -40 | -32 | -34 | -34 | -33 | -34 | -34 | -30 |
| 2 | 21 | 39 | 19 | -15 | -40 | -32 | -34 | -34 | -33 | -34 | -34 | -30 |
| 3 | 21 | 59 | 16 | -16 | -40 | -32 | -34 | -34 | -33 | -34 | -34 | -30 |
| 4 | 22 | 0 | 22 | -14 | -40 | -33 | -34 | -34 | -33 | -34 | -34 | -30 |
| 5 | 22 | 20 | 19 | -14 | -40 | -32 | -34 | -34 | -33 | -34 | -34 | -30 |
| 6 | 22 | 41 | 3 | -12 | -40 | -33 | -34 | -35 | -33 | -34 | -34 | -30 |

| -01 SNEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR | 5-20 GEN.1 MASS TEMP | 5-21 FUEL TEMP. TO COMBST WEATER | 5-22 L.ELEC COMPT TOPCTR | 5-23 L.ELEC COMPT RTM RT | 5-24 L.ELEC COMPT RTM LFT | 5-25 R.ELEC COMPT LEFT AFTAIR | 5-26 R.ELEC COMPT CENTER AIR | 5-27 R.ELEC COMPT RIGHT FWDAIR | 5-29 GEN.2 MASS TEMP |
|-----------------------|----------------------|----------------------|------------------------|-------------------------------|---|-----------------------------------|-----------------------------------|------------------------------------|---|--|--|-------------------------------|
| | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 46 | 23 | 1 | 7 | -12 | -40 | -32 | -32 | -34 | -34 | -34 | -34 | -12 |
| 47 | 23 | 22 | 5 | -11 | -39 | -33 | -35 | -35 | -34 | -34 | -34 | -11 |
| 48 | 23 | 42 | 19 | -10 | -39 | -32 | -34 | -33 | -33 | -33 | -33 | -12 |
| 49 | 24 | 3 | 22 | -10 | -39 | -22 | -35 | -35 | -34 | -34 | -34 | -13 |
| 0 | 24 | 23 | 24 | -10 | -39 | -32 | -35 | -35 | -34 | -34 | -34 | -13 |
| 51 | 24 | 44 | 25 | -10 | -39 | -34 | -35 | -36 | -34 | -34 | -34 | -14 |
| 52 | 25 | 4 | 26 | -9 | -40 | -33 | -35 | -35 | -34 | -34 | -34 | -13 |
| 53 | 25 | 05 | 27 | -8 | -40 | -34 | -35 | -35 | -34 | -34 | -34 | -13 |
| 54 | 25 | 45 | 15 | -7 | -39 | -32 | -35 | -34 | -34 | -34 | -34 | -10 |
| 55 | 26 | 6 | 11 | -6 | -40 | -33 | -35 | -35 | -34 | -34 | -34 | -9 |
| 56 | 26 | 20 | 10 | -6 | -40 | -33 | -35 | -35 | -34 | -34 | -34 | -8 |
| 57 | 26 | 47 | 8 | -5 | -39 | -33 | -35 | -35 | -34 | -34 | -34 | -8 |
| 58 | 27 | 7 | 7 | -5 | -40 | -32 | -34 | -34 | -34 | -34 | -34 | -7 |
| 59 | 27 | 28 | 17 | -5 | -40 | -33 | -35 | -34 | -34 | -34 | -34 | -8 |
| 0 | 27 | 49 | 24 | -6 | -39 | -33 | -35 | -35 | -34 | -34 | -34 | -8 |
| 61 | 28 | 9 | 25 | -6 | -33 | -33 | -34 | -34 | -32 | -33 | -33 | -10 |
| 62 | 28 | 30 | 24 | -6 | -40 | -33 | -34 | -34 | -32 | -33 | -33 | -10 |
| 63 | 28 | 51 | 29 | -6 | -35 | -30 | -29 | -28 | -28 | -28 | -28 | -10 |
| 64 | 29 | 11 | 29 | -5 | -33 | -28 | -29 | -28 | -26 | -26 | -26 | -11 |
| 65 | 29 | 32 | 30 | -4 | -35 | -28 | -28 | -28 | -24 | -24 | -24 | -10 |
| 66 | 29 | 52 | 32 | -5 | -32 | -27 | -27 | -27 | -22 | -22 | -22 | -10 |
| 67 | 30 | 13 | 32 | -4 | -30 | -26 | -26 | -26 | -20 | -20 | -20 | -9 |
| 68 | 30 | 33 | 34 | -4 | -28 | -25 | -25 | -25 | -17 | -16 | -16 | -9 |
| 69 | 30 | 34 | 35 | -3 | -28 | -24 | -24 | -24 | -17 | -14 | -14 | -8 |
| 0 | 31 | 14 | 35 | -2 | -31 | -23 | -23 | -23 | -16 | -14 | -13 | -8 |
| 71 | 31 | 35 | 36 | -2 | -24 | -21 | -22 | -22 | -16 | -13 | -13 | -8 |
| 72 | 31 | 55 | 36 | -2 | -26 | -21 | -22 | -22 | -18 | -14 | -14 | -8 |
| 73 | 31 | 55 | 36 | -2 | -26 | -20 | -21 | -21 | -18 | -14 | -14 | -8 |
| 74 | 32 | 16 | 36 | -8 | -22 | -21 | -20 | -20 | -17 | -14 | -14 | -7 |
| 75 | 32 | 36 | 37 | 0 | -28 | -20 | -21 | -21 | -17 | -14 | -14 | -7 |
| 76 | 32 | 57 | 38 | 0 | -25 | -21 | -21 | -21 | -17 | -14 | -14 | -6 |
| 77 | 33 | 17 | 38 | 1 | -23 | -17 | -19 | -19 | -15 | -12 | -12 | -5 |
| 78 | 33 | 39 | 39 | 1 | -23 | -17 | -19 | -19 | -15 | -12 | -12 | -5 |
| 79 | 33 | 58 | 39 | 2 | -22 | -16 | -19 | -19 | -15 | -12 | -12 | -5 |
| 0 | 34 | 19 | 39 | 2 | -25 | -15 | -19 | -19 | -14 | -12 | -12 | -4 |
| 0 | 34 | 40 | 40 | 2 | -20 | -15 | -19 | -19 | -14 | -12 | -12 | -4 |
| 81 | 35 | 0 | 41 | 4 | -20 | -16 | -18 | -18 | -14 | -12 | -12 | -4 |
| 82 | 35 | 8 | 41 | 4 | -16 | -17 | -17 | -17 | -14 | -12 | -12 | -4 |
| 83 | 35 | 21 | 42 | 3 | -19 | -13 | -16 | -16 | -13 | -10 | -10 | -4 |
| 84 | 35 | 41 | 42 | 5 | -23 | -12 | -16 | -16 | -11 | -10 | -10 | -2 |
| 85 | 36 | 42 | 43 | 5 | -23 | -12 | -16 | -16 | -11 | -10 | -10 | -2 |
| 86 | 36 | 27 | 44 | 5 | -14 | -12 | -15 | -15 | 0 | -2 | -2 | -2 |
| 87 | 36 | 43 | 45 | 5 | -15 | -11 | -15 | -15 | 0 | -2 | -2 | -2 |
| 88 | 37 | 3 | 45 | 6 | -15 | -11 | -15 | -15 | 0 | -2 | -2 | -2 |
| 89 | 37 | 37 | 45 | 7 | -22 | -11 | -14 | -14 | -1 | -2 | -2 | -2 |
| 90 | 37 | 47 | 45 | 7 | -15 | -11 | -14 | -14 | -1 | -2 | -2 | -2 |
| 91 | 37 | 47 | 45 | 7 | -15 | -11 | -14 | -14 | -1 | -2 | -2 | -2 |
| 92 | 38 | 25 | 46 | 4 | -19 | -9 | -14 | -14 | 0 | -2 | -2 | -1 |
| 93 | 38 | 45 | 47 | 4 | -20 | -10 | -14 | -14 | 0 | -2 | -2 | -1 |
| 94 | 39 | 6 | 48 | 9 | -12 | -8 | -12 | -12 | 0 | -2 | -2 | 0 |
| 95 | 39 | 25 | 48 | 9 | -15 | -8 | -11 | -11 | 0 | -2 | -2 | 0 |
| 95 | 39 | 47 | 48 | 9 | -15 | -8 | -11 | -11 | 0 | -2 | -2 | 0 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR | 5-2 GEN.1 MASS TEMP | 5-21 FUEL TEMP. TO COMBST HEATER | 5-22 L.ELEC COMPT TOPCTR | 5-23 L.ELEC COMPT BTM LFT | 5-24 L.ELEC COMPT BTM LFT | 5-25 R.ELEC COMPT LEFT AFTAIR | 5-26 R.ELEC COMPT CENTER AIR | 5-27 R.ELEC COMPT RIGHT FWD AIR | 5-29 GEN.2 MASS TEMP |
|-----------------------|----------------------|----------------------|------------------------|------------------------------|---|-----------------------------------|------------------------------------|------------------------------------|---|--|---|-------------------------------|
| | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 96 | 40 | 7 | 49 | 10 | -11 | -8 | -12 | -16 | 0 | 0 | -5 | 0 |
| 97 | 40 | 28 | 49 | 11 | -13 | -7 | -10 | -15 | 1 | 1 | -5 | 0 |
| 98 | 40 | 46 | 50 | 11 | -17 | -7 | -14 | -14 | 3 | 1 | -4 | 0 |
| 99 | 41 | 9 | 50 | 11 | -11 | -7 | -10 | -15 | 1 | 1 | -4 | 1 |
| 90 | 41 | 29 | 51 | 12 | -17 | -6 | -10 | -14 | 2 | 1 | -4 | 1 |
| 100 | 41 | 50 | 51 | 12 | -15 | -6 | -10 | -14 | 2 | 1 | -4 | 1 |
| 101 | 42 | 10 | 51 | 12 | -10 | -5 | -10 | -14 | 2 | 1 | -5 | 1 |
| 102 | 42 | 70 | 52 | 13 | -14 | -5 | -9 | -12 | 3 | 2 | -4 | 1 |
| 103 | 42 | 51 | 52 | 14 | -15 | -4 | -15 | -12 | 3 | 4 | -4 | 2 |
| 104 | 43 | 11 | 52 | 14 | -16 | -4 | -9 | -12 | 4 | 4 | -2 | 2 |
| 105 | 43 | 32 | 52 | 14 | -16 | -4 | -9 | -12 | 3 | 2 | -4 | 2 |
| 106 | 43 | 52 | 53 | 14 | -11 | -3 | -11 | -11 | 3 | 2 | -4 | 2 |
| 107 | 44 | 33 | 53 | 15 | -9 | -3 | -11 | -11 | 4 | 4 | -1 | 3 |
| 108 | 44 | 33 | 54 | 15 | -14 | 0 | -7 | -10 | 5 | 4 | -1 | 3 |
| 109 | 44 | 53 | 54 | 15 | -15 | 0 | -6 | -10 | 6 | 5 | 0 | 4 |
| 110 | 45 | 14 | 54 | 15 | -13 | 0 | -6 | -10 | 5 | 5 | -1 | 4 |
| 111 | 45 | 34 | 54 | 16 | -12 | -1 | -6 | -10 | 4 | 4 | 0 | 4 |
| 112 | 45 | 55 | 54 | 16 | -8 | -1 | -6 | -10 | 5 | 5 | 0 | 4 |
| 113 | 46 | 15 | 54 | 16 | -13 | -9 | -10 | -10 | 5 | 5 | -1 | 4 |
| 114 | 46 | 36 | 54 | 17 | -12 | -1 | -4 | -10 | 5 | 5 | 0 | 4 |
| 115 | 46 | 56 | 54 | 17 | -14 | 0 | -3 | -8 | 5 | 5 | 0 | 4 |
| 116 | 47 | 17 | 55 | 17 | -9 | -9 | -4 | -9 | 5 | 5 | 0 | 4 |
| 117 | 47 | 37 | 55 | 18 | -14 | 0 | -4 | -9 | 5 | 5 | 0 | 4 |
| 118 | 47 | 59 | 55 | 18 | -6 | 0 | -4 | -9 | 5 | 5 | 0 | 4 |
| 119 | 48 | 19 | 56 | 18 | -15 | 0 | -4 | -8 | 5 | 5 | 0 | 4 |
| 120 | 48 | 39 | 56 | 18 | -13 | 0 | -4 | -8 | 5 | 5 | 0 | 4 |
| 121 | 48 | 59 | 56 | 18 | -8 | 0 | -3 | -7 | 5 | 5 | 0 | 4 |
| 122 | 49 | 28 | 56 | 19 | -10 | 0 | -2 | -7 | 7 | 7 | 1 | 4 |
| 123 | 49 | 40 | 56 | 19 | -8 | 0 | -3 | -7 | 7 | 7 | 0 | 4 |
| 124 | 50 | 1 | 57 | 19 | -6 | 0 | -2 | -7 | 7 | 7 | 0 | 4 |
| 125 | 50 | 21 | 57 | 19 | -13 | 0 | -2 | -6 | 7 | 7 | 1 | 4 |
| 126 | 50 | 42 | 57 | 19 | -8 | 1 | -2 | -6 | 8 | 7 | 2 | 4 |
| 127 | 51 | 2 | 57 | 19 | -10 | 1 | -2 | -5 | 8 | 7 | 2 | 4 |
| 128 | 51 | 23 | 57 | 19 | -8 | 2 | -1 | -5 | 11 | 8 | 3 | 4 |
| 129 | 51 | 43 | 57 | 19 | -11 | 3 | -2 | -5 | 11 | 10 | 3 | 4 |
| 130 | 52 | 3 | 57 | 19 | -11 | 3 | -2 | -5 | 10 | 9 | 3 | 4 |
| 131 | 52 | 24 | 57 | 19 | -4 | 3 | -2 | -5 | 11 | 9 | 3 | 4 |
| 132 | 52 | 44 | 58 | 20 | -6 | 3 | -1 | -4 | 11 | 9 | 3 | 4 |
| 133 | 53 | 5 | 58 | 20 | -8 | 4 | -0 | -4 | 12 | 11 | 4 | 4 |
| 134 | 53 | 25 | 58 | 20 | -7 | 4 | +1 | -4 | 11 | 11 | 4 | 4 |
| 135 | 53 | 46 | 59 | 21 | -9 | 4 | 0 | -3 | 11 | 10 | 4 | 4 |
| 136 | 54 | 6 | 59 | 21 | -7 | 5 | 0 | -4 | 12 | 11 | 4 | 4 |
| 137 | 54 | 27 | 59 | 21 | -8 | 5 | 0 | -3 | 13 | 11 | 4 | 4 |
| 138 | 54 | 47 | 60 | 21 | -6 | 6 | 0 | -2 | 13 | 12 | 5 | 4 |
| 139 | 55 | 8 | 60 | 21 | -14 | 6 | 0 | -2 | 13 | 12 | 5 | 4 |
| 140 | 55 | 28 | 60 | 22 | -4 | 5 | 0 | -2 | 11 | 9 | 4 | 4 |
| 141 | 55 | 49 | 61 | 22 | -5 | 5 | -2 | -5 | 4 | 6 | 4 | 4 |
| 142 | 56 | 11 | 61 | 22 | -11 | 4 | -2 | -5 | 3 | 6 | 4 | 4 |
| 143 | 56 | 30 | 61 | 22 | -4 | 4 | -2 | -6 | 1 | 4 | 0 | 4 |
| 144 | 56 | 50 | 61 | 22 | -8 | 4 | -4 | -7 | 1 | 3 | 0 | 4 |

| -01 SWEEP COUNT | 5-02 TIME MIN. | 5-03 TIME SEC. | 5-15 ACCESS GEAR | 5-20 GEN.1 MASS TEMP | 5-21 FUEL TEMP. TO COMBUST WEATER | 5-22 L.ELEC COMPT TOPCTR | 5-23 L.ELEC COMPT BTM RT | 5-24 L.ELEC COMPT RTMLFT | 5-25 R.ELEC COMPT LEFT AFFAIR | 5-26 R.ELEC COMPT CENTER AIR | 5-27 R.ELEC COMPT RIGHT FWDAIR | 5-29 GEN.2 MASS TEMP |
|-----------------------|----------------------|----------------------|-----------------------------|-------------------------------|--|-----------------------------------|-----------------------------------|-----------------------------------|---|--|--|-------------------------------|
| | | | BOX OIL TEMP DEG.C | TEMP DEG.C | TEMP. DEG.C | AIR TEMP DEG.C | AIR TEMP DEG.C | AIR TEMP DEG.C | AIR TEMP DEG.C | AIR TEMP DEG.C | AIR TEMP DEG.C | DEG.C |
| 145 | 57 | 11 | 61 | 23 | -12 | 2 | -4 | -7 | 1 | 3 | 0 | 0 |
| 146 | 57 | 31 | 61 | 23 | -13 | 1 | -5 | -8 | 0 | 2 | -8 | 0 |
| 147 | 57 | 52 | 62 | 23 | -14 | 1 | -5 | -8 | 0 | 2 | -2 | 0 |
| 148 | 58 | 12 | 62 | 23 | -15 | 0 | -5 | -9 | 0 | 2 | -2 | 0 |
| 149 | 58 | 33 | 62 | 24 | -16 | 0 | -6 | -10 | -1 | 1 | -3 | 0 |
| 150 | 58 | 53 | 62 | 24 | -16 | 0 | -6 | -10 | -1 | 1 | -3 | 0 |
| 151 | 59 | 13 | 59 | 24 | -17 | 0 | -6 | -10 | -2 | 0 | -4 | 9 |
| 152 | 59 | 34 | 52 | 25 | -17 | 0 | -7 | -11 | -2 | -1 | -5 | 12 |
| 153 | 59 | 54 | 49 | 26 | -17 | 0 | -7 | -11 | -3 | -1 | -6 | 14 |
| 154 | 60 | 15 | 45 | 27 | -16 | 0 | -6 | -10 | -2 | -2 | -6 | 15 |
| 155 | 60 | 35 | 43 | 27 | -17 | 0 | -8 | -12 | -3 | -2 | -7 | 16 |
| 156 | 60 | 56 | 41 | 27 | -17 | 0 | -8 | -11 | -4 | -3 | -8 | 17 |
| 157 | 61 | 16 | 39 | 27 | -17 | -1 | -8 | -12 | -4 | -3 | -8 | 17 |
| 158 | 61 | 37 | 37 | 27 | -17 | -1 | -8 | -12 | -4 | -4 | -9 | 18 |
| 159 | 61 | 57 | 35 | 27 | -18 | -1 | -8 | -12 | -4 | -4 | -9 | 18 |
| 160 | 62 | 17 | 33 | 26 | -18 | -2 | -9 | -13 | -5 | -5 | -9 | 18 |
| 161 | 62 | 38 | 32 | 27 | -18 | -1 | -8 | -12 | -5 | -5 | -9 | 18 |
| 162 | 62 | 58 | 30 | 26 | -18 | -1 | -9 | -13 | -6 | -5 | -9 | 18 |
| 163 | 61 | 39 | 28 | 26 | -18 | -1 | -10 | -13 | -6 | -6 | -10 | 18 |
| 164 | 63 | 39 | 27 | 26 | -18 | -1 | -10 | -13 | -6 | -6 | -10 | 18 |
| 165 | 63 | 59 | 25 | 25 | -18 | -2 | -10 | -13 | -6 | -7 | -11 | 18 |

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