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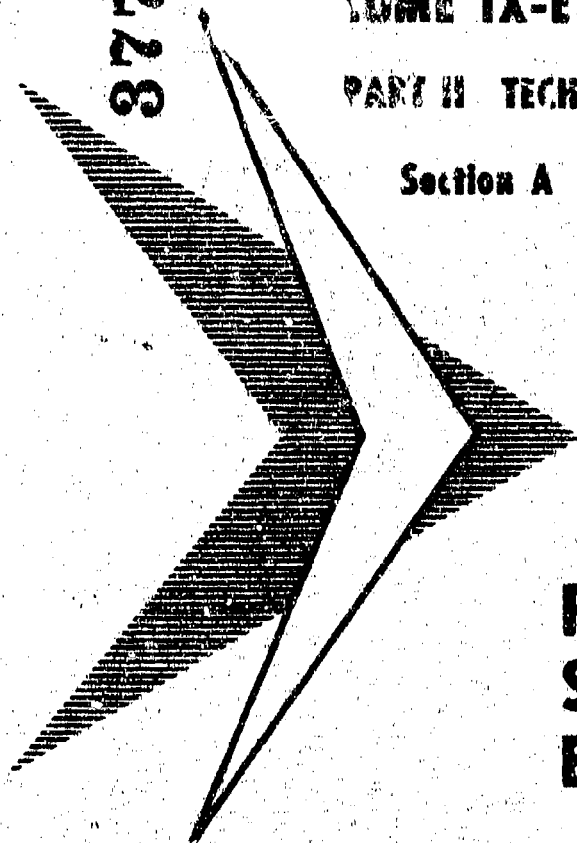
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VOLUME IX-E ENGINE SUBSTANTIATING DATA

PART II TECHNICAL

Section A ENGINE PERFORMANCE

Boeing Configuration

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Phase IIA
Supersonic Transport
Engine Report (U)

P64-96
NOVEMBER 1, 1964

FLIGHT PROPULSION DIVISION
GENERAL ELECTRIC
CINCINNATI 15, OHIO

FAA SECURITY CONTROL
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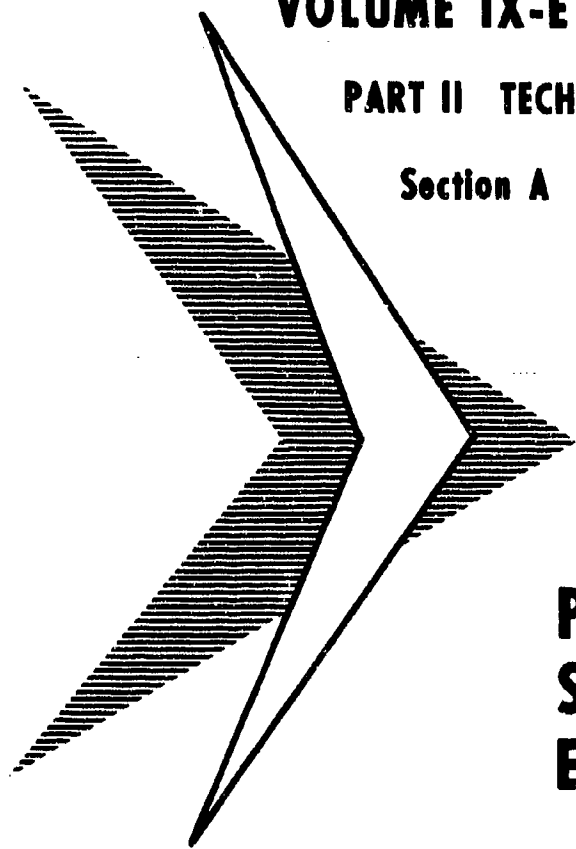
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VOLUME IX-E ENGINE SUBSTANTIATING DATA

PART II TECHNICAL

Section A ENGINE PERFORMANCE

Boeing Configuration



**Phase IIA
Supersonic Transport
Engine Report**

**P64-96
NOVEMBER 1, 1964**

**FLIGHT PROPULSION DIVISION
GENERAL ELECTRIC
CINCINNATI 15, OHIO**

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FOREWORD

The General Electric Company (Flight Propulsion Division) is proposing the GE4/J5 engine as an optimized propulsion system, tailored to the Supersonic Transport. This engine embodies further refinements in the cycle, component technologies, and system integration, relative to the GE4/J4C, proposed in January 1964. Two installation configurations are offered -- the GE4/J5G and GE4/J5H, especially adapted to the aircraft proposed by The Boeing Company and Lockheed Aircraft Corporation, respectively.

Generally, the current volumes contain only new or revised information. Material from the January 1964 Proposal is reproduced only sparingly, to provide necessary continuity, or to emphasize important considerations.

FOREWORD (Page 2)

This Data Submittal builds on the 15 January 1964 Proposal (P-64-1) as a foundation. The following current Volumes are shown with the prior Volume number(s) as a reference:

<u>Current Volume</u>	<u>Title</u>	<u>Primary January 1964 Reference</u>
I-E	Summary	Vol. I(J)
II-E(B)*	} Model Specification	Vol. E-II(J)
II-E(L)*		
IV-E	Phase II-A Design Status Report (Evaluation by Factors)	None
IX-E		
Part I	Management	M-I, M-II
Part II	Technical	
II-A(B)*	} Engine Performance	E-IV(J)
II-A(L)*		
II-B1	Engine Design -- Summary and Systems	E-V(J)
II-B2	Engine Design -- Basic Engine Components	E-VI(J) Part I
II-B3	Engine Design -- Power Control and Accessories	E-VI(J) Part II
II-C	Noise Levels and Suppression	E-VII(J)
II-D	Installation and Inlet System Compatibility	E-VII(J)
II-E	Test and Certification	E-IX(J)
II-F	Manufacturing Techniques and Materials	E-VIII
Part III(B)*	} Operations and Economics	M-III
III(L)*		
XI-E	Development Costs	M-V(J)
XII-E	Production Costs	M-V(J)
XXI-E(B)*	} Installation Manual	E-III(J)
XXI-E(L)*		

NOTE: *Certain of the current volumes contain information applicable only to one of the two installation configurations. Volumes so marked (*) are therefore issued in two parts, with the suffix "B" or "L" denoting respectively, Boeing and Lockheed configurations.

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PRELIMINARY PERFORMANCE REPORT

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GE4/J5G

SUMMARY

This report Volume IX-E (IIA) presents performance of the General Electric GE4/J5G Turbojet Engine using ASTM D1655 Jet A or A-1 type aviation kerosene fuel conforming to General Electric Company Commercial Jet Fuel Specification M50T968 (S2) dated October 20, 1960, with temperature limitations as specified in Installation Manual, Volume XXI-E. The performance is identical to that given by the Estimated Performance Card Deck, R64FPD243G, October, 1964.

Performance is presented in tabulated form over most of the engine operating range. Accurate performance can be obtained directly for many flight conditions, and simple interpolation will yield engine performance for most flight conditions within the flight envelope. Installation effects can be accounted for by applying the given correction factors.

Flight performance curves are also included to give a compact graphical presentation of engine performance.

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GE4/J5G

1.1 ENGINE DESCRIPTION

The GE4/J5G turbojet is a lightweight, high performance, augmented engine which has been optimized for the supersonic transport mission. High cycle efficiency in the flight regime of Mach 2.5 to 2.7 has been emphasized in the design. Maximum flight speed capability is Mach 2.7 with a maximum altitude capability of 80,000 feet.

The engine performance presented herein is based on an airflow size of 475 lbs/sec at sea level static, standard conditions. This size gives a maximum take-off thrust of 41,900 lbs. Compressor pressure ratio at take-off is approximately 9.5:1.

The major components of the GE4/J5G turbojet include a variable stator compressor, an annular main combustor, an air cooled turbine, a modulated augmentor, and a convergent-divergent exhaust nozzle which incorporates a thrust reverser.

1.2 DATA DESCRIPTION

1.2.1 Performance Curves

Flight performance curves are presented on pages 2-1 through 2-8 showing engine net thrust, specific fuel consumption, and airflow as functions of engine power setting and flight Mach number for the following altitudes:

Sea Level	45,000 ft
15,000 ft	55,000 ft
25,000 ft	65,000 ft
36,089 ft	75,000 ft

The performance shown in these curves is based on U.S. Standard Atmosphere - 1962, MIL-E-5008B ram recovery, no bleed or power extraction and the proposed exhaust nozzle.

The purpose of these curves is to provide a quick indication of a reference performance level of the engine at important flight conditions. More detailed and complete performance is available in the tabulations.

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GE4/J5G

1. 2. 2 Tabulated Performance Data

The engine performance data presented in the tabulations are based on U.S. Standard Atmosphere - 1962, MIL-E-5008B ram recovery, zero bleed, zero power extraction, and fuel conforming to G.E. Specification M50T968. The tabulated data include all exhaust nozzle performance effects with the exception of afterbody drag which can be determined from the data provided on boattail geometry. The data presented is based on a schedule of exhaust nozzle area and boattail angle which yields maximum uninstalled thrust and is consistent with the data obtainable from the Estimated Performance Data Deck R84FPD243G, October, 1964, with the boattail fork (BTFORK) set equal to zero, and with the rotor speed locked up at and above Mach 1.5 (MONLU = 1.5). The Data Deck also incorporates provisions for operation of the engine in the rotor unlocked mode and at different boattail angles.

1. 2. 3 Power Setting Definitions

Performance data are presented for twelve power settings defined as:

P.S. = 1	Maximum thrust, augmented
P.S. = 2	Partial augmentation
P.S. = 3	Partial augmentation
P.S. = 4	Minimum thrust, augmented
P.S. = 5	Maximum thrust, non augmented
P.S. = 7	95% engine RPM*
P.S. = 8	90% engine RPM*
P.S. = 9	85% engine RPM*
P.S. = 10	80% engine RPM*
P.S. = 11	75% engine RPM*
P.S. = 13.8	61% engine RPM (Idle)**
P.S. = 16	45% engine RPM (Low idle)**

*The defined speed schedule for power settings 5 through 11 is adhered to up to the flight Mach number where lockup occurs ($M_o = 1.5$). At or above the lockup Mach number, engine RPM remains constant at 100%.

**For power settings 13.8 and 16 the engine RPM can vary from the defined speed when the idle fuel limitations are used. The engine RPM is not locked or held constant.

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GE4/J5G

1. 2. 4 Performance Tabulations

Performance tabulations are presented for nine altitudes and two ambient temperatures.

U. S. Standard, 1962	U. S. Standard, 1962, plus 40°F
Altitude: Sea Level	Sea Level
5, 000 ft	5, 000 ft
15, 000 ft	15, 000 ft
25, 000 ft	25, 000 ft
36, 089 ft	36, 089 ft
45, 000 ft	45, 000 ft
55, 000 ft	55, 000 ft
65, 000 ft	65, 000 ft
75, 000 ft	

The tabulated engine data at each altitude are presented for both ambient temperatures as a function of:

Power Setting (PS)
Flight Man Number (Mo)

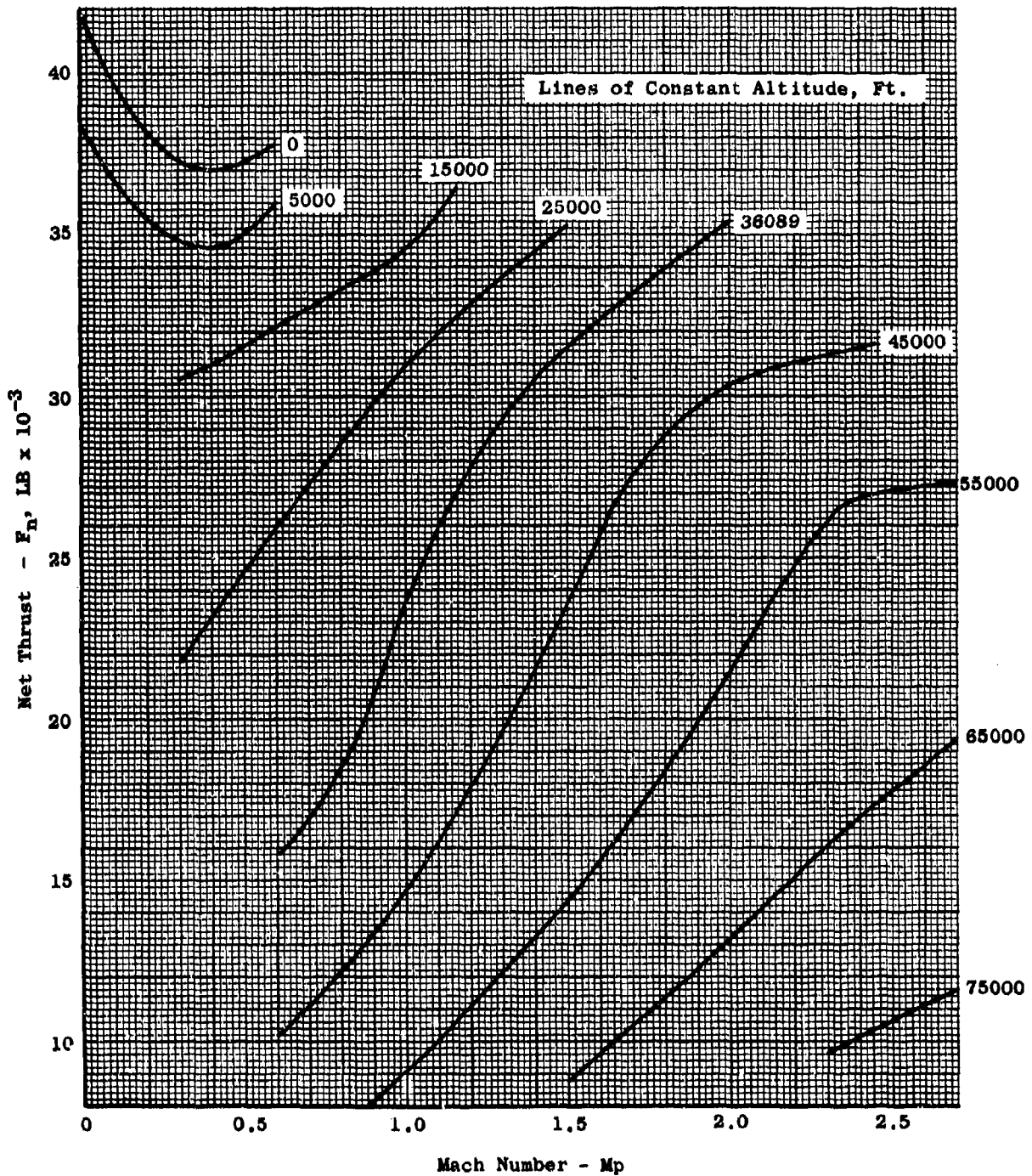
and include correction factors for determining performance at other conditions of ram recovery, bleed extraction and power extraction.

2. PERFORMANCE CURVES

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**GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE
U.S. STANDARD ATMOSPHERE, 1962
MIL-E-5008B RAM RECOVERY**

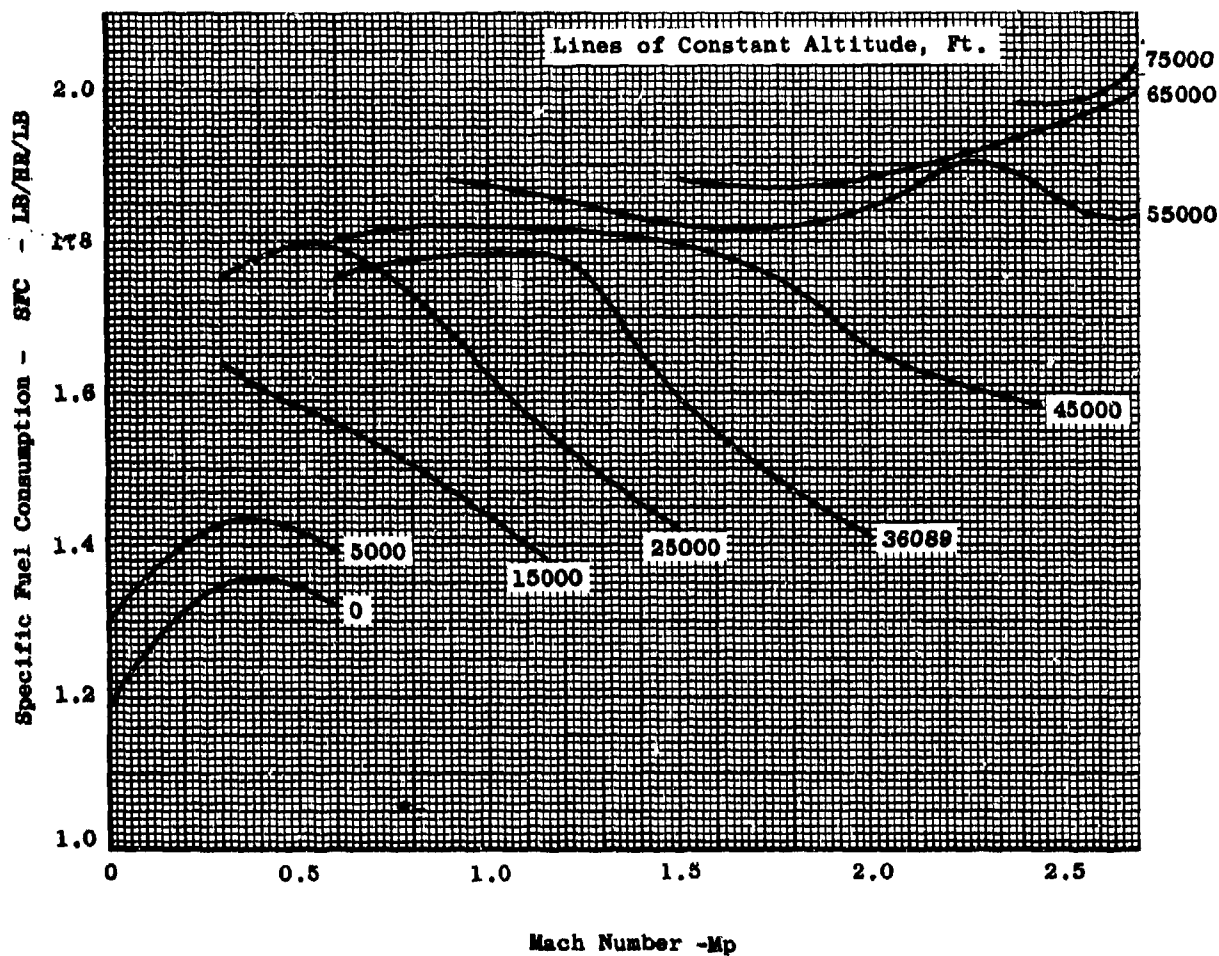
Power Setting 1
Net Thrust



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**GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE
U.S. STANDARD ATMOSPHERE, 1962
MIL-E-5008B RAM RECOVERY**

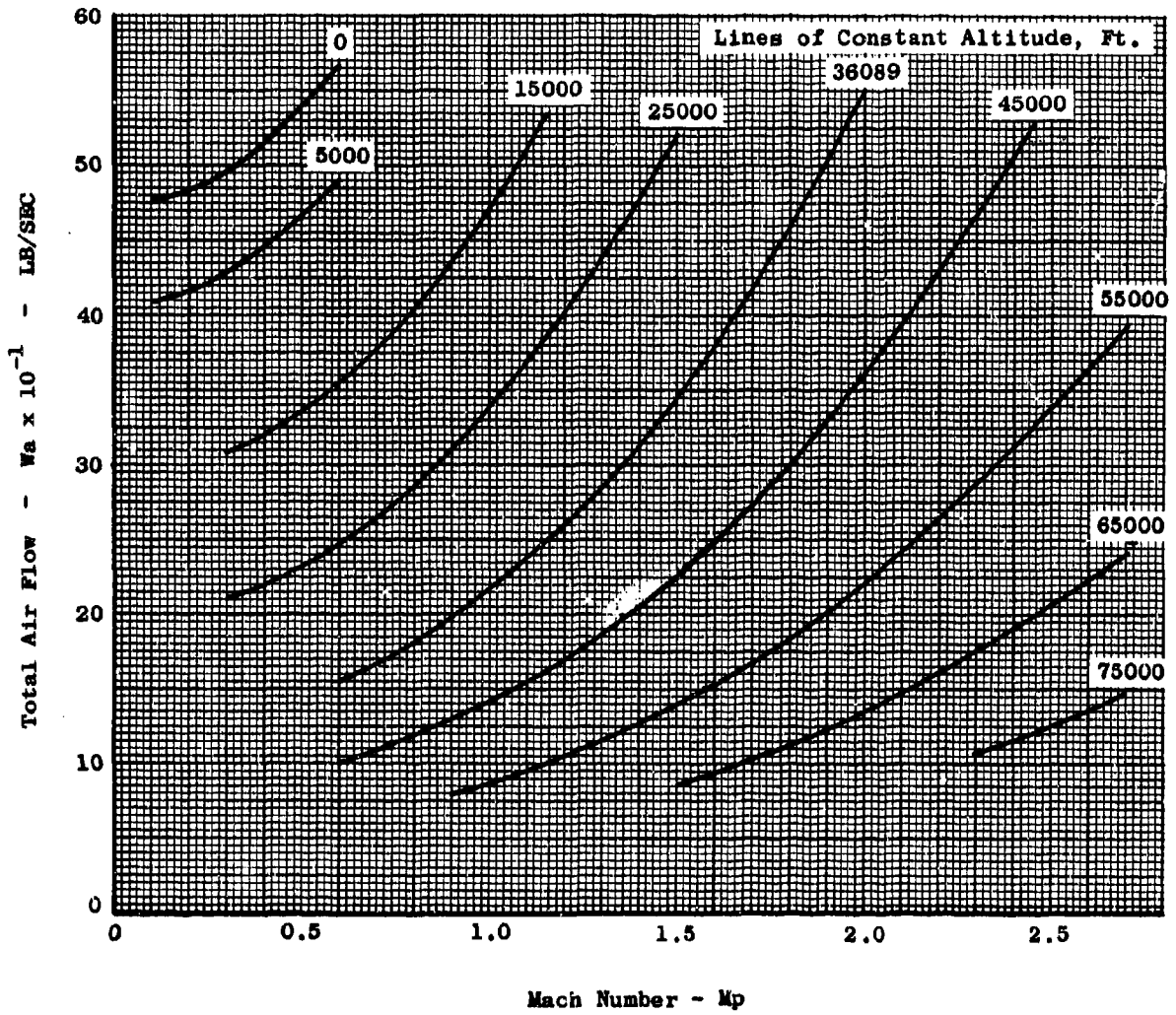
**Power Setting 1
Specific Fuel Consumption**



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**GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE
U.S. STANDARD ATMOSPHERE, 1962
MIL-E-5008B RAM RECOVERY**

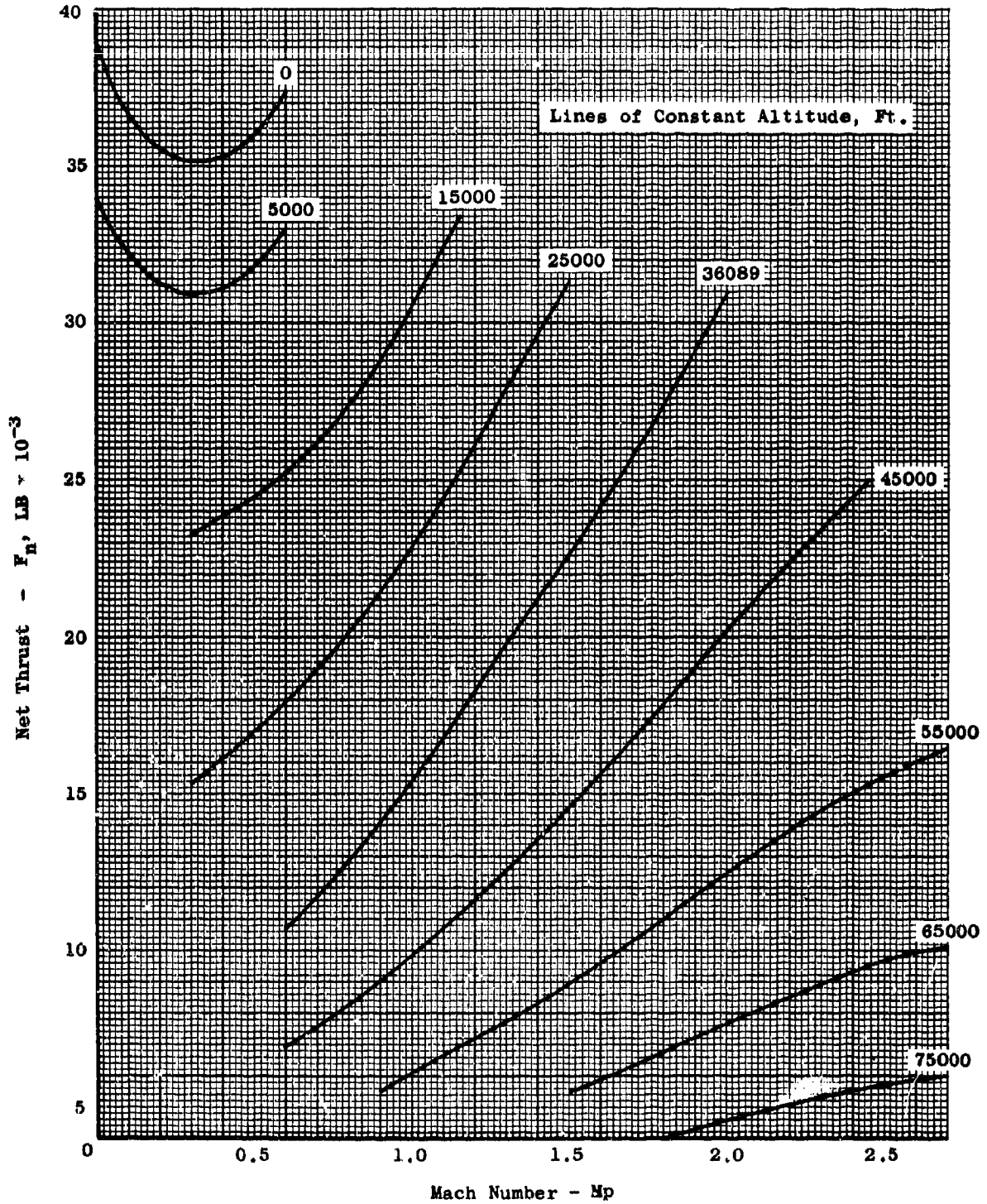
Power Settings 1-5
Total Air Flow



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**GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE
U.S. STANDARD ATMOSPHERE, 1962
MIL-E-5008B RAM RECOVERY**

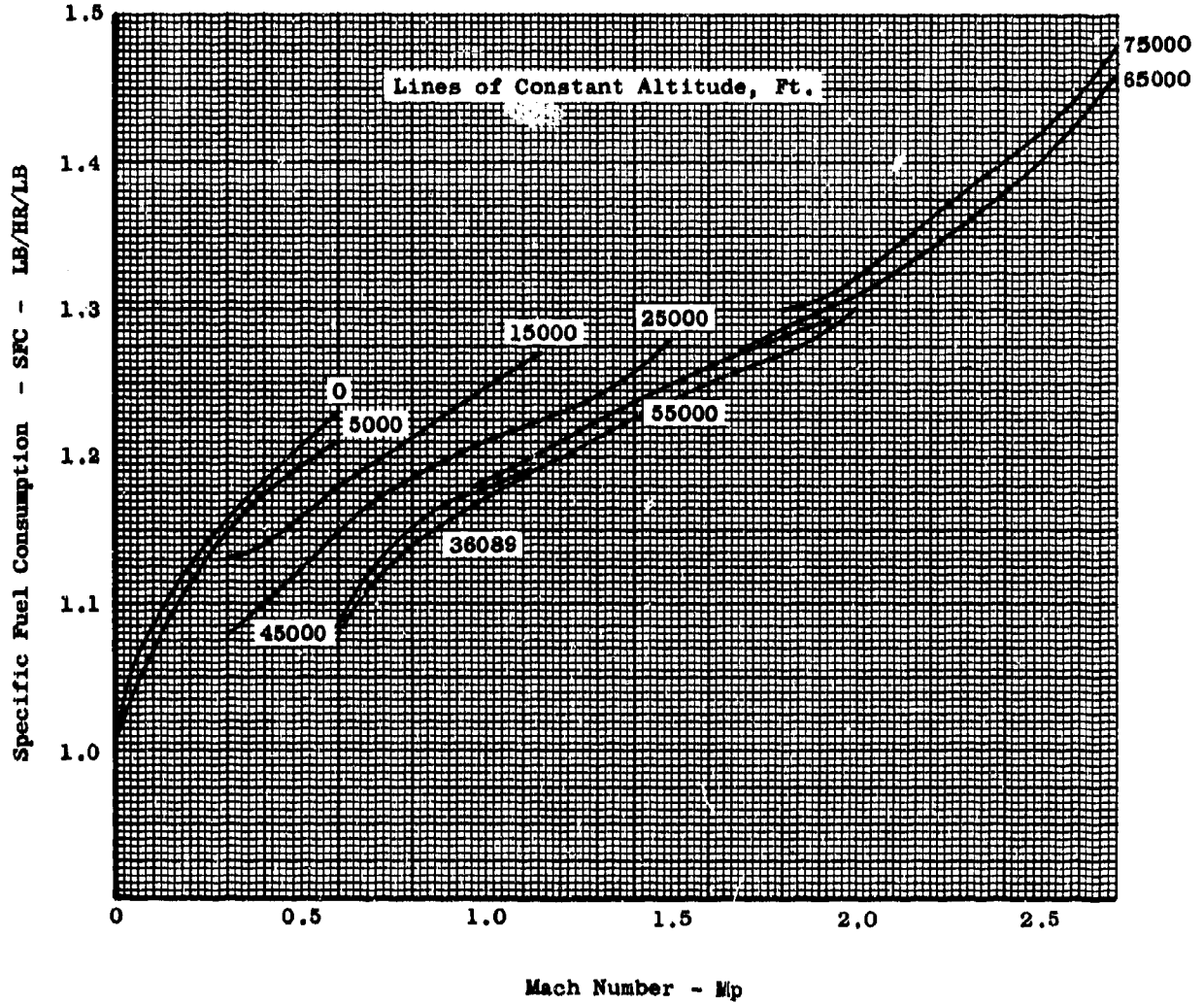
Power Setting 5
Net Thrust



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**GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE
U.S. STANDARD ATMOSPHERE, 1962
MIL-E-5008B RAM RECOVERY**

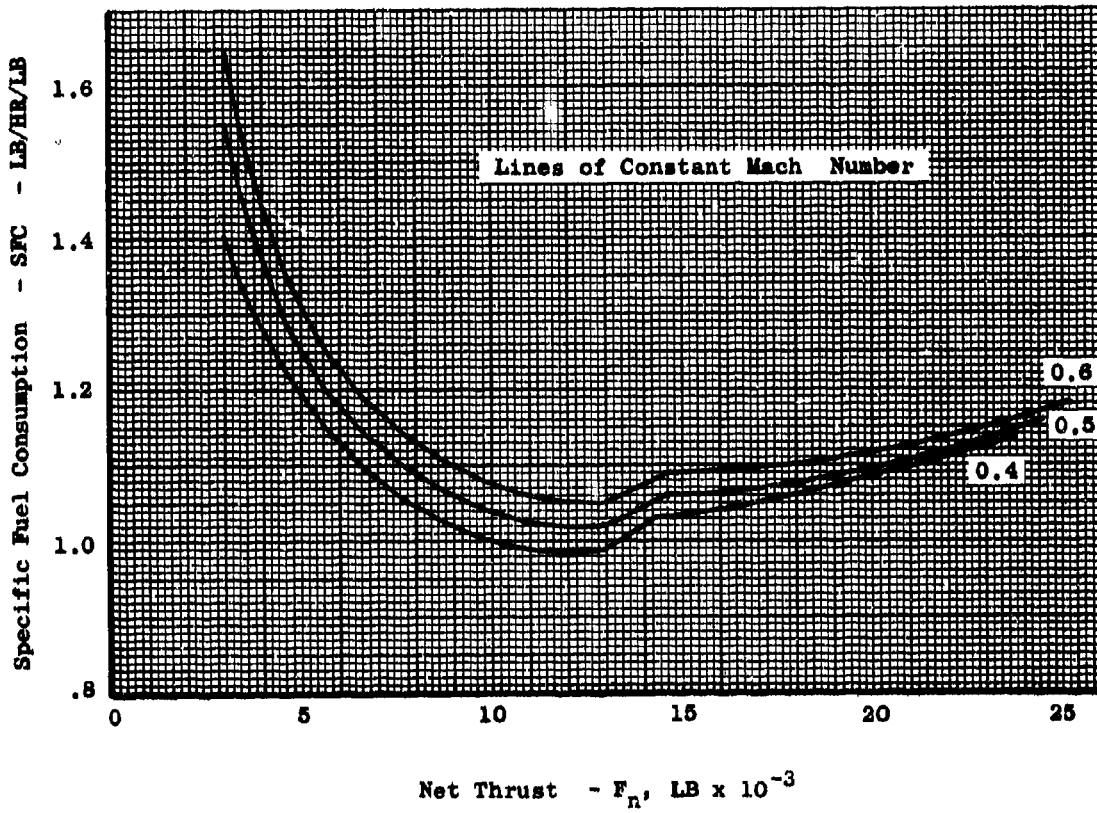
**Power Setting 5
Specific Fuel Consumption**



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**GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE
U.S. STANDARD ATMOSPHERE, 1952
MIL-E-5008B RAM RECOVERY**

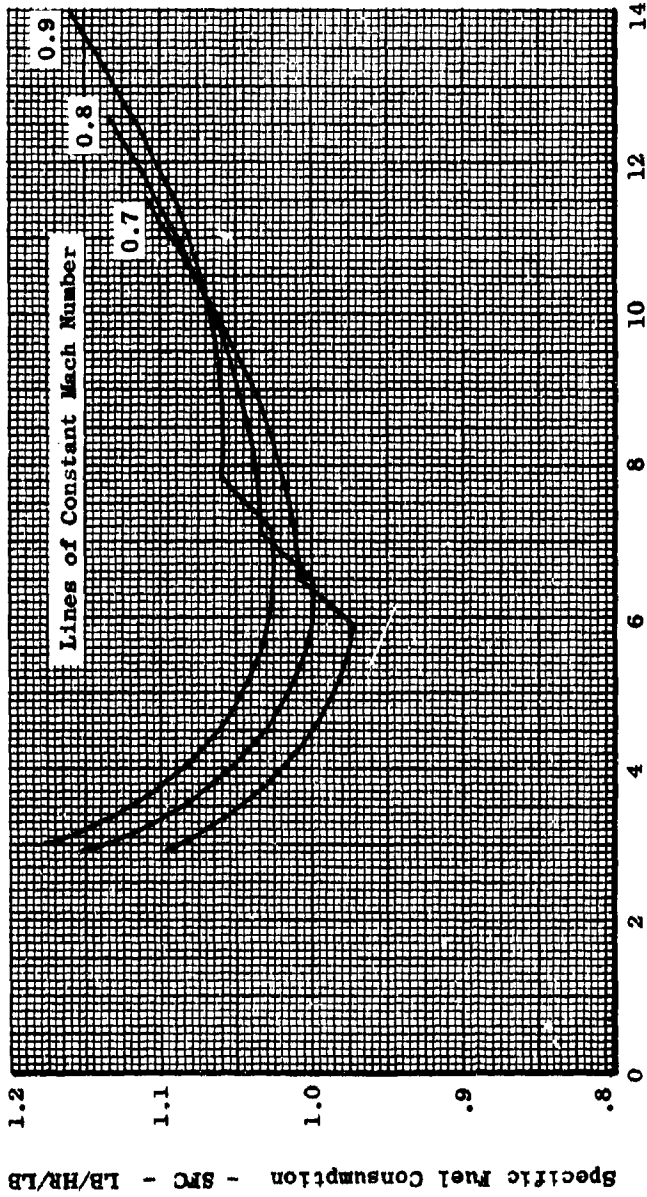
15000 Ft Altitude
Dry



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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE
U.S. STANDARD ATMOSPHERE, 1962
MIL-E-5008B RAM RECOVERY

36089 Ft Altitude
Dry

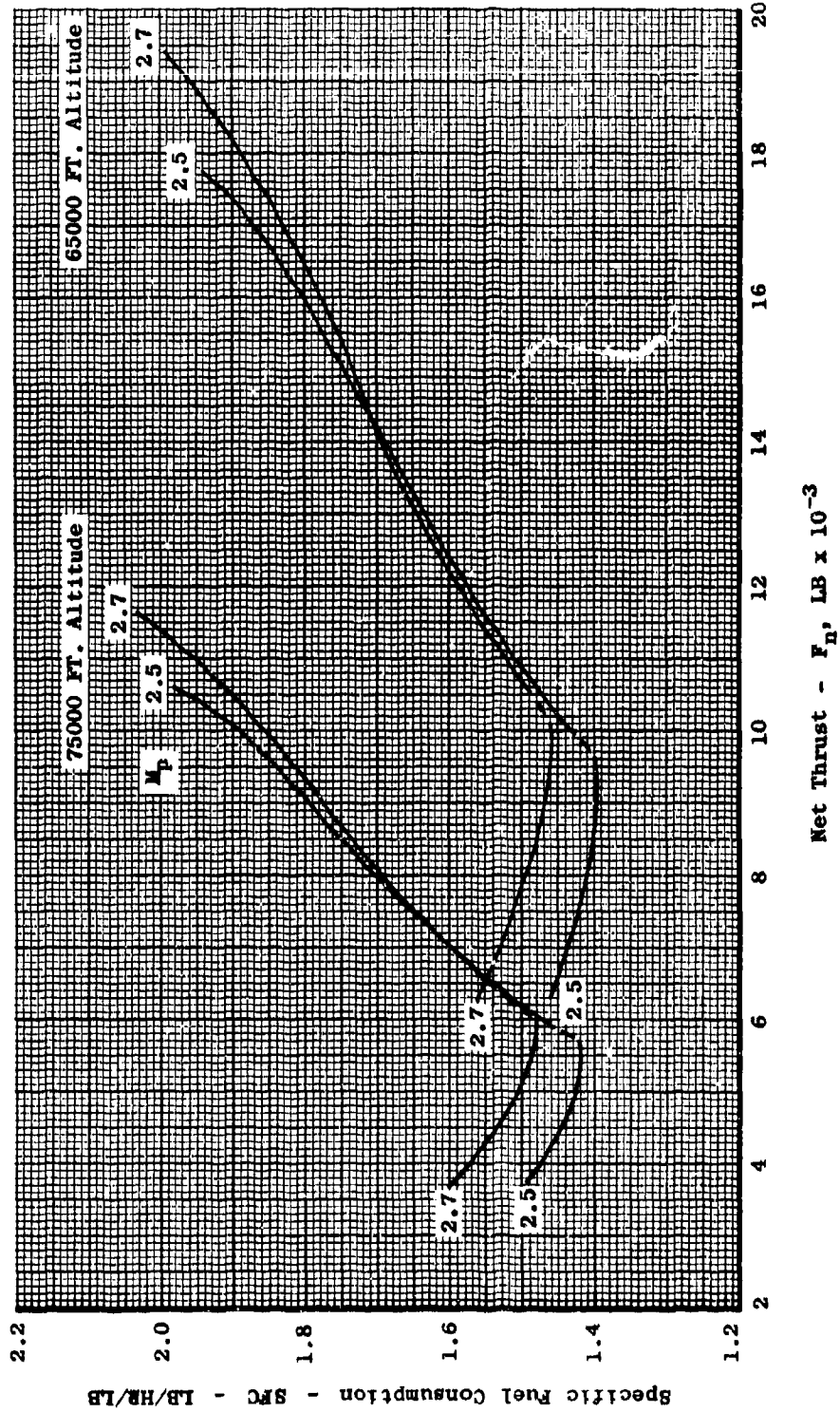


Net Thrust - F_n , LB x 10⁻³

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE
U.S. STANDARD ATMOSPHERE, 1962
MIL-E-5008B RAM RECOVERY



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GE4/J5G

2.2 FLIGHT WINDMILLING OPERATION

2.2.1 Performance

Flight windmilling performance data are presented on pages 2-10 through 2-12.

Windmilling performance characteristics of the engine can be varied within limits by modulation of the jet nozzle area. The jet nozzle can be positioned by the throttle.

Windmilling during supersonic flight is not permitted without deployment of the aerodynamic windmilling brake or adequate fluid cooling provisions.

Maximum available power extraction during windmilling at subsonic flight speeds is presented on page 2-14.

2.2.2 Stator Closure Mechanism

The engine is provided with means for retarding windmilling RPM (windmill brake) sufficiently to allow extended windmilling operation of the engine with recirculatory fuel cooling.

Performance characteristics of the engine with the windmill brake actuated are presented on pages 2-10, 2-11 and 2-13. No power extraction is available.

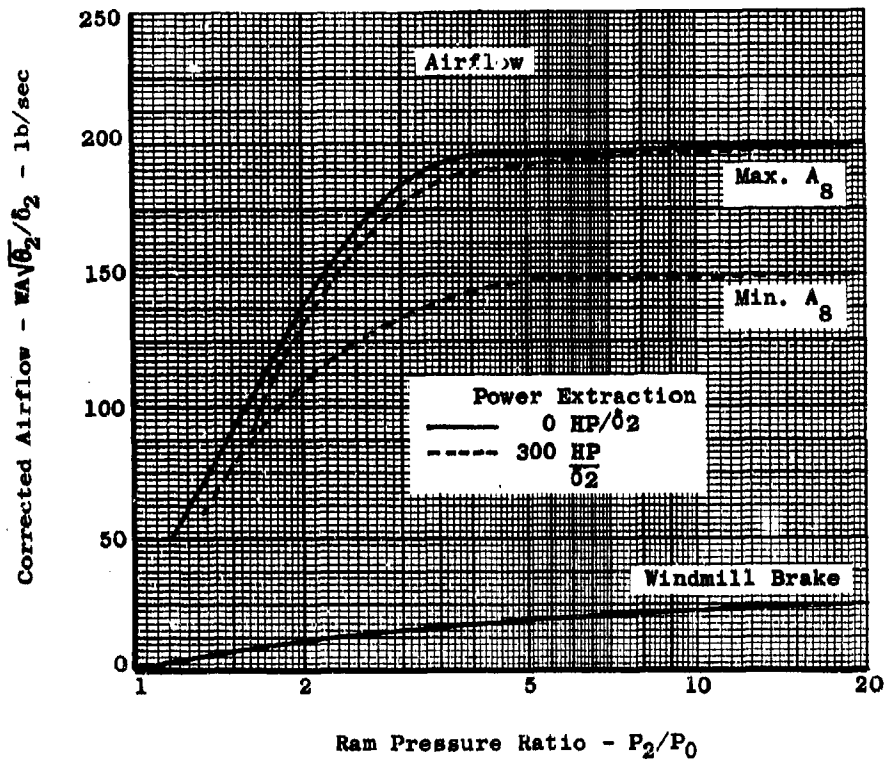
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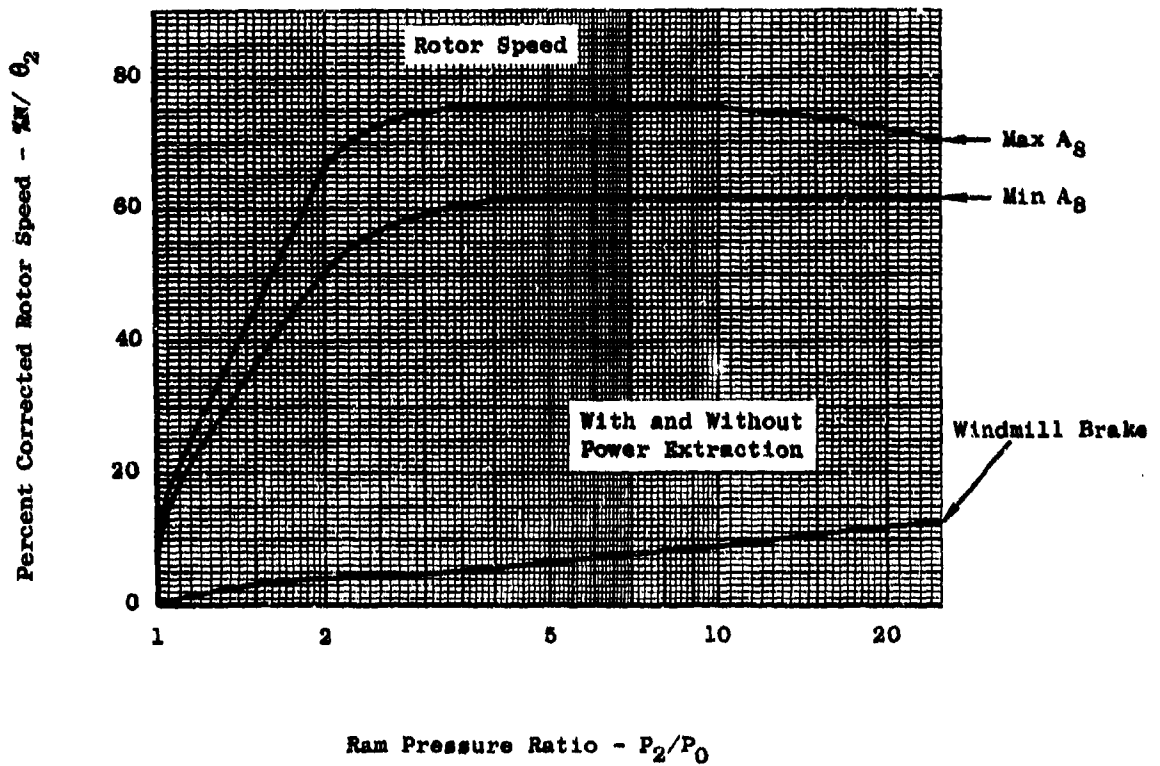
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PRELIMINARY WINDMILLING PERFORMANCE



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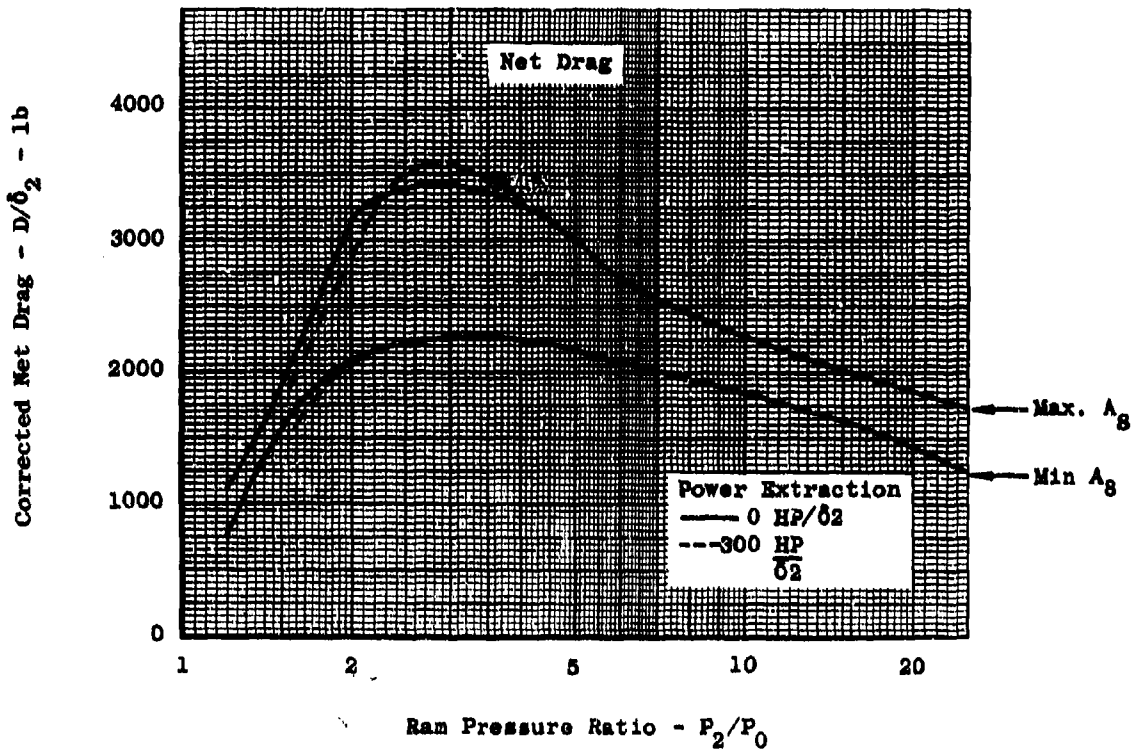
PRELIMINARY WINDMILLING PERFORMANCE



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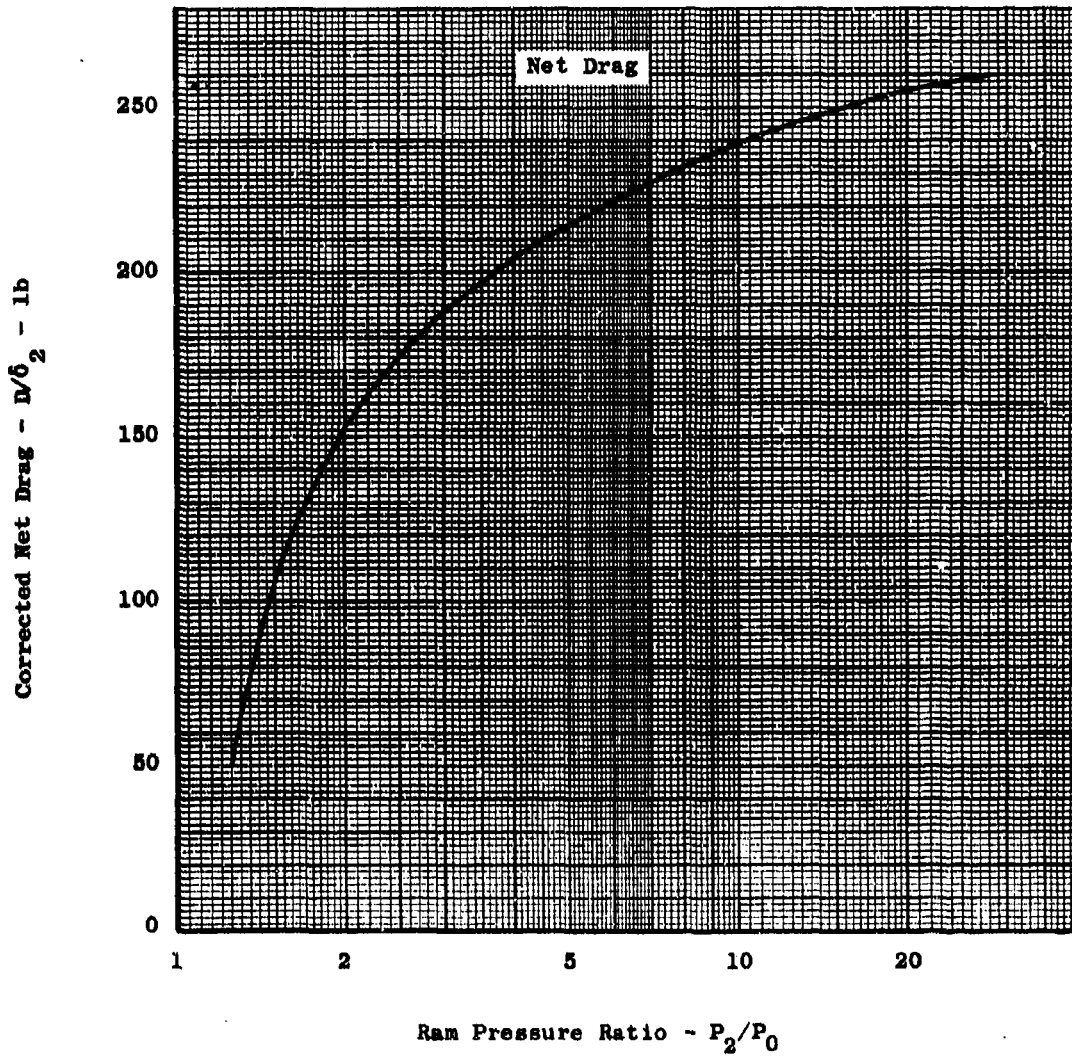
PRELIMINARY WINDMILLING PERFORMANCE



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PRELIMINARY WINDMILL BRAKE PERFORMANCE



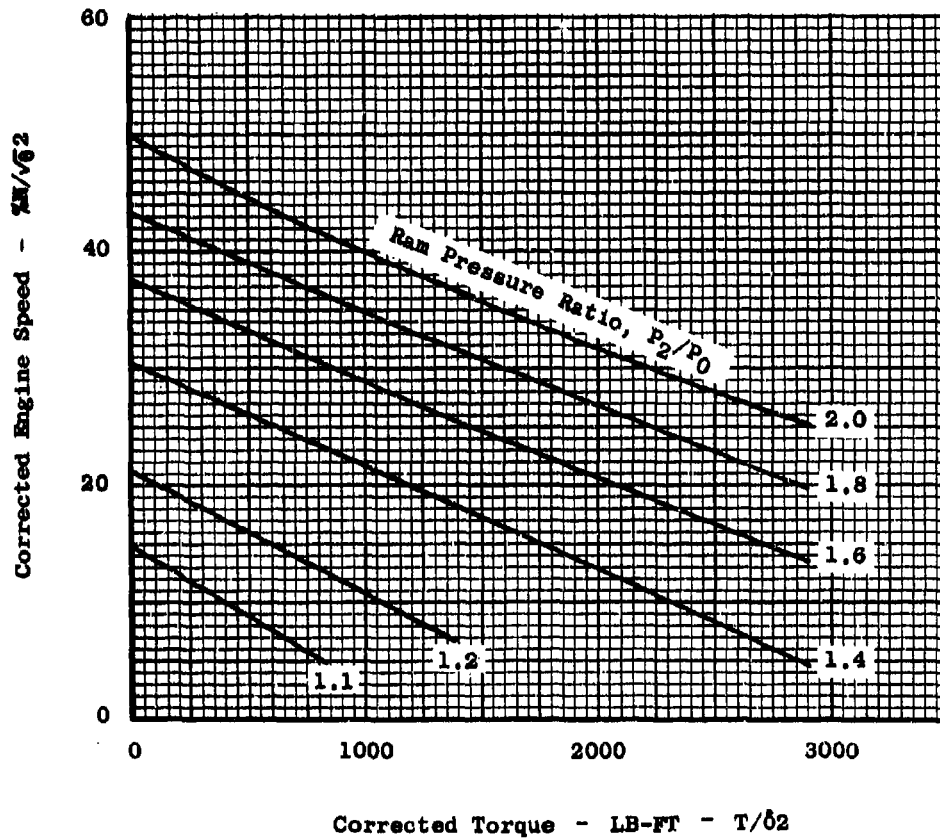
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PRELIMINARY WINDMILLING POWER
EXTRACTION CHARACTERISTICS



3. NOMENCLATURE

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GE4/J5G

3. NOMENCLATURE

3.1 DEFINITION OF TERMS

Engine Station Locations

0	Free stream or ambient
2	Compressor inlet
8	Primary exhaust nozzle throat
9	Exhaust nozzle exit

Cycle Parameters

		Units
A_8	Primary exhaust nozzle throat area	Sq. In.
A_9	Secondary exhaust nozzle exit area	Sq. In.
BTANG	Secondary exhaust nozzle boattail angle	Degrees
CFG	Exhaust nozzle thrust coefficient	
ERI	Error return indicator	
F_G	Gross thrust (with exhaust nozzle)	Lbs.
FGB	Base gross thrust (CFG = .985)	Lbs.
F_D	Ram drag of compressor inlet airflow (W_2)	Lbs.
F_N	Net thrust (with exhaust nozzle)	Lbs.
FNB	Base net thrust (CFG = .985)	Lbs.
M_0	Flight Mach number	
N_R	Ram recovery	
P_0	Ambient pressure	Psia
P_2	Compressor inlet total pressure	Psia
PCN	Percent Rotor Speed	%RPM
P_E	Bleed port static pressure	Psia
PTB	Customer bleed port pressure	Psia
P_2/P_0	Ram total pressure ratio	
P_8/P_0	Primary exhaust nozzle pressure ratio	
P.S.	Power setting	
SFC	Specific fuel consumption (with exhaust nozzle)	Lbs/Hr/Lb.
SFCB	Base specific fuel consumption (CFG = .985)	Lbs/Hr/Lb.
T_0	Ambient temperature	$^{\circ}R$
T_2	Compressor inlet total temperature	$^{\circ}R$

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Cycle Parameters

Units

T8	Exhaust nozzle total temperature	OR
TC	Control temperature	OR
TE	Bleed air total temperature	OR
TS	Secondary nozzle total temperature	OR
W2	Compressor inlet airflow	Lbs/Sec.
W2K	Corrected compressor inlet airflow	Lbs/Sec.
Wg	Exhaust nozzle gas flow	Lbs/Sec.
WFT	Total engine fuel flow	Lbs/Hr..
Ws	Secondary nozzle airflow	Lbs/Sec.
$W_s/W_2 (\sqrt{T_s/T_8})$	Corrected secondary nozzle airflow	Lbs/Sec.
P_2	P2/14.696	
$\sqrt{\theta_2}$	$\sqrt{T_2}/518.688$	

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GE4/J5G

3.2 PERFORMANCE RATINGS

The performance ratings shall be as specified below:

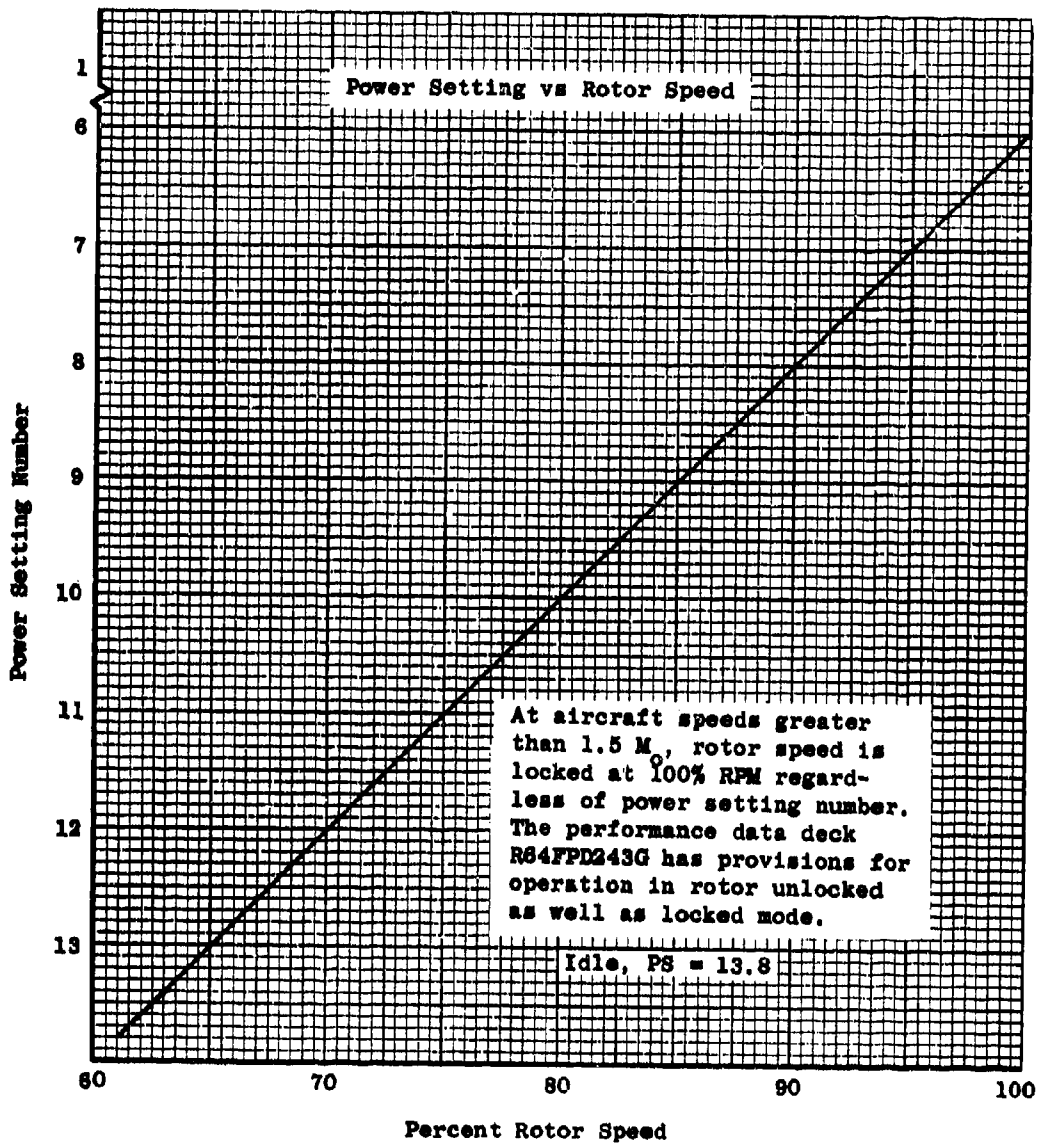
Power Setting Number	Rating
1	Take Off and Maximum Climb
2.5	Maximum Continuous
(To be defined)	Maximum Cruise

Power setting definitions are given on page 1-2.

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GE4/J5G

3.3 POWER SETTING



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GE4/J5G

3.4 1962 ATMOSPHERE TABLES.

1962 ATMOSPHERE
MIL STD 210A COLD DAY

ALT	PO	TG	FO/P5L5
0.	1.4696000+01	3.9969999+02	1.0000000+00
1.0000000+03	1.4172636+01	4.1329105+02	9.6438729-01
2.0000000+03	1.3664467+01	4.2688211+02	9.2980857-01
3.0000000+03	1.3171155+01	4.4047318+02	8.9624078-01
3.2110000+03	1.3020709+01	4.4470000+02	8.8600363-01
4.0000000+03	1.2692363+01	4.4470000+02	8.6366103-01
5.0000000+03	1.2227763+01	4.4470000+02	8.3204700-01
6.0000000+03	1.1777031+01	4.4470000+02	8.0137663-01
7.0000000+03	1.1339848+01	4.4470000+02	7.7162818-01
8.0000000+03	1.0915900+01	4.4470000+02	7.4278033-01
9.0000000+03	1.0504878+01	4.4470000+02	7.1481207-01
1.0000000+04	1.0106478+01	4.4470000+02	6.8770264-01
1.0744000+04	9.8130809+00	4.4470000+02	6.6807844-01
1.1000000+04	9.7204031+00	4.4385187+02	6.4163188-01
1.2000000+04	9.3463578+00	4.4058890+02	6.3597970-01
1.3000000+04	8.9840533+00	4.3722593+02	6.1132643-01
1.4000000+04	8.6332065+00	4.3391296+02	5.8745283-01
1.5000000+04	8.2935273+00	4.3059999+02	5.6433976-01
1.6000000+04	7.9647718+00	4.2720000+02	5.4198866-01
1.7000000+04	7.6466390+00	4.2379999+02	5.2032111-01
1.8000000+04	7.3388751+00	4.2039999+02	4.9937908-01
1.9000000+04	7.0421294+00	4.1700000+02	4.7912448-01
2.0000000+04	6.7534152+00	4.1360000+02	4.5954104-01
2.1000000+04	6.4752120+00	4.1004000+02	4.4061050-01
2.2000000+04	6.2063618+00	4.0647999+02	4.2231640-01
2.3000000+04	5.9466227+00	4.0292000+02	4.0464226-01
2.4000000+04	5.6957570+00	3.9936000+02	3.8757192-01
2.5000000+04	5.4535303+00	3.9580000+02	3.7108943-01
2.6000000+04	5.2197132+00	3.9210796+02	3.5517918-01
2.7000000+04	4.9940807+00	3.8841592+02	3.3982585-01
2.8000000+04	4.7764114+00	3.8472388+02	3.2501438-01
2.9000000+04	4.5664389+00	3.8103184+02	3.1073008-01
3.0000000+04	4.3641005+00	3.7733980+02	2.9695859-01
3.0715000+04	4.2238959+00	3.7469999+02	2.8741806-01
3.1000000+04	4.1690372+00	3.7469999+02	2.8368517-01
3.2000000+04	3.9810949+00	3.7469999+02	2.7089649-01
3.3000000+04	3.8000726+00	3.7469999+02	2.5837870-01
3.4000000+04	3.6257737+00	3.7469999+02	2.4671840-01
3.5000000+04	3.4580058+00	3.7469999+02	2.3530251-01
3.6000000+04	3.2965796+00	3.7469999+02	2.2431815-01
3.6089000+04	3.2825137+00	3.7469999+02	2.2336103-01
3.7000000+04	3.1419396+00	3.7469999+02	2.1279556-01
3.8000000+04	2.9944979+00	3.7469999+02	2.0376278-01
3.9000000+04	2.8539751+00	3.7469999+02	1.9420081-01
3.9400000+04	2.7996301+00	3.7469999+02	1.9050287-01

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GE4/J5G

1962 ATMOSPHERE
MIL STD 210A COLD DAY

ALT	PO	TO	PO/PSL5
4.000000+04	2.7200467+00	3.7469999+02	1.8508756-01
4.100000+04	2.5924031+00	3.7469999+02	1.7640195-01
4.200000+04	2.4707495+00	3.7469999+02	1.6812394-01
4.2377000+04	2.4263826+00	3.7469999+02	1.6510497-01
4.300000+04	2.3548047+00	3.7146980+02	1.6023439-01
4.400000+04	2.2443008+00	3.6628490+02	1.5271508-01
4.500000+04	2.1389826+00	3.6110000+02	1.4554862-01
4.600000+04	2.0386066+00	3.5574000+02	1.3871846-01
4.700000+04	1.9429410+00	3.5037999+02	1.3220883-01
4.750000+04	1.8968050+00	3.4770000+02	1.2906947-01
4.800000+04	1.8517646+00	3.4552000+02	1.2600467-01
4.900000+04	1.7648869+00	3.4115999+02	1.2009165-01
5.000000+04	1.6820470+00	3.3680000+02	1.1445611-01
5.0583000+04	1.6355683+00	3.3469999+02	1.1129344-01
5.100000+04	1.6031136+00	3.3469999+02	1.0908503-01
5.200000+04	1.5278843+00	3.3469999+02	1.0396600-01
5.250000+04	1.4916041+00	3.3469999+02	1.0149728-01
5.300000+04	1.4561854+00	3.3469999+02	9.9087191-02
5.400000+04	1.3818910+00	3.3469999+02	9.4437326-02
5.500000+04	1.3227233+00	3.3469999+02	9.0005668-02
5.600000+04	1.2606518+00	3.3469999+02	8.5721974-02
5.700000+04	1.2014933+00	3.3469999+02	8.1756485-02
5.750000+04	1.1729634+00	3.3469999+02	7.9815145-02
5.800000+04	1.1451109+00	3.3469999+02	7.7919901-02
5.900000+04	1.0913743+00	3.3469999+02	7.4263355-02
6.000000+04	1.0401594+00	3.3469999+02	7.0778400-02
6.100000+04	9.9134785-01	3.3469999+02	6.7456985-02
6.1087000+04	9.8721143-01	3.3469999+02	6.7175499-02
6.200000+04	9.4482689-01	3.3760764+02	6.4291432-02
6.250000+04	9.2239158-01	3.3920000+02	6.2764806-02
6.300000+04	9.0048901-01	3.4065999+02	6.1274429-02
6.400000+04	8.5823178-01	3.4358000+02	5.8399006-02
6.500000+04	8.1793756-01	3.4650000+02	5.5658517-02
6.5617000+04	7.9405690-01	3.4815356+02	5.4032179-02
6.600000+04	7.7957606-01	3.4918000+02	5.3046820-02
6.700000+04	7.4303722-01	3.5186000+02	5.0560508-02
6.750000+04	7.2543359-01	3.5319999+02	4.9362655-02
6.800000+04	7.0825865-01	3.5439999+02	4.8193974-02
6.900000+04	6.7515336-01	3.5679999+02	4.5941300-02

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1962 ATMOSPHERE
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ALT	PO	TO	PO/P5M
7.000000+04	6.4363841-01	3.5919999+02	4.3796843-02
7.100000+04	6.1363567-01	3.6132765+02	4.1755284-02
7.200000+04	5.8507041-01	3.6345531+02	3.9811541-02
7.300000+04	5.5787197-01	3.6558297+02	3.7960803-02
7.3055000+04	5.5641426-01	3.6569999+02	3.7861613-02
7.400000+04	5.3197325-01	3.6545706+02	3.6198506-02
7.500000+04	5.0731010-01	3.6520000+02	3.4520285-02
7.600000+04	4.8382241-01	3.6491999+02	3.2922047-02
7.700000+04	4.6145244-01	3.6463999+02	3.1399867-02
7.800000+04	4.4014553-01	3.6436000+02	2.9950022-02
7.900000+04	4.1984994-01	3.6408000+02	2.8568994-02
8.000000+04	4.0051624-01	3.6380000+02	2.7253419-02
8.0999999+04	3.8209770-01	3.6345363+02	2.6000115-02
8.1999999+04	3.6454978-01	3.6310727+02	2.4806055-02
8.202099+04	3.6419016-01	3.6310000+02	2.4781584+02
8.300000+04	3.4783024-01	3.6270563+02	2.3668361-02
8.400000+04	3.3189881-01	3.6230281+02	2.2584296-02
8.500000+04	3.1671759-01	3.6190000+02	2.1551279-02
8.5999999+04	3.0225000-01	3.6152000+02	2.0566821-02
8.6999999+04	2.8846175-01	3.6113999+02	1.9628589-02
8.800000+04	2.7532003-01	3.6076000+02	1.8734352-02
8.900000+04	2.6279373-01	3.6038000+02	1.7881990-02
9.000000+04	2.5085328-01	3.6000000+02	1.7069494-02
9.0999999+04	2.3947048-01	3.5960000+02	1.6294943-02
9.1999999+04	2.2861862-01	3.5919999+02	1.5556520-02
9.300000+04	2.1827221-01	3.5880000+02	1.4852491-02
9.400000+04	2.0840712-01	3.5840000+02	1.4181214-02
9.500000+04	1.9900034-01	3.5800000+02	1.3541123-02
9.5999999+04	1.9002996-01	3.5756000+02	1.2930727-02
9.6999999+04	1.8147529-01	3.5712000+02	1.2348818-02
9.800000+04	1.7331642-01	3.5667999+02	1.1793442-02
9.900000+04	1.6553463-01	3.5624000+02	1.1263924-02
1.000000+05	1.5811203-01	3.5580000+02	1.0758848-02
1.010000+05	1.5103148-01	3.5634864+02	1.0277047-02
1.020000+05	1.4427687-01	3.5689728+02	9.8174247-03
1.030000+05	1.3783281-01	3.5744593+02	9.3789333-03
1.040000+05	1.3168462-01	3.5799457+02	8.9605753-03
1.0498700+05	1.2589286-01	3.5853608+02	8.5664712-03
1.050000+05	1.2581975-01	3.5895605+02	8.5614960-03
1.060000+05	1.2022873-01	3.6009226+02	8.1810514-03
1.070000+05	1.1490555-01	3.6162847+02	7.8188316-03
1.080000+05	1.0983644-01	3.6316468+02	7.4739005-03
1.090000+05	1.0500842-01	3.6470089+02	7.1453742-03

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ALT	PO	TO	PO/PSLS
1.100000+05	1.0040917-01	3.6623710+02	6.8324150-03
1.110000+05	9.6027111-02	3.6777331+02	6.5342345-03
1.120000+05	9.1851213-02	3.6930952+02	6.2500826-03
1.130000+05	8.7871100-02	3.7084573+02	5.9792528-03
1.140000+05	8.4076928-02	3.7238194+02	5.7210757-03
1.150000+05	8.0459377-02	3.7391815+02	5.4749168-03
1.160000+05	7.7009649-02	3.7545436+02	5.2401775-03
1.170000+05	7.3719388-02	3.7699058+02	5.0162893-03
1.180000+05	7.0580693-02	3.7852679+02	4.8027145-03
1.190000+05	6.7586077-02	3.8006299+02	4.5989437-03
1.200000+05	6.4728458-02	3.8159921+02	4.4044949-03
1.210000+05	6.2001111-02	3.8313542+02	4.2189106-03
1.220000+05	5.9397665-02	3.8467163+02	4.0417572-03
1.230000+05	5.6912097-02	3.8620784+02	3.8726250-03
1.240000+05	5.4538674-02	3.8774405+02	3.7111237-03
1.250000+05	5.2271988-02	3.8928026+02	3.5568834-03
1.260000+05	5.0106875-02	3.9081647+02	3.4095587-03
1.270000+05	4.8038463-02	3.9235268+02	3.2688121-03
1.280000+05	4.6062120-02	3.9388889+02	3.1343304-03
1.290000+05	4.4173450-02	3.9542510+02	3.0058145-03
1.300000+05	4.2368290-02	3.9696131+02	2.8829811-03
1.310000+05	4.0642673-02	3.9849752+02	2.7655602-03
1.320000+05	3.8992853-02	4.0003374+02	2.6532970-03
1.330000+05	3.7415250-02	4.0156994+02	2.5459478-03
1.340000+05	3.5906472-02	4.0310615+02	2.4432819-03
1.350000+05	3.4463311-02	4.0464237+02	2.3450810-03
1.360000+05	3.3082696-02	4.0617858+02	2.2511361-03
1.370000+05	3.1761728-02	4.0771479+02	2.1612498-03
1.380000+05	3.0497642-02	4.0925100+02	2.0752342-03
1.390000+05	2.9287812-02	4.1078721+02	1.9929104-03
1.400000+05	2.8129739-02	4.1232342+02	1.9141085-03
1.410000+05	2.7021047-02	4.1385963+02	1.8386658-03
1.420000+05	2.5959488-02	4.1539584+02	1.7664322-03
1.430000+05	2.4942899-02	4.1693205+02	1.6972577-03
1.440000+05	2.3969250-02	4.1846826+02	1.6310050-03
1.450000+05	2.3036591-02	4.2000447+02	1.5675416-03
1.460000+05	2.2143068-02	4.2154068+02	1.5067411-03
1.470000+05	2.1288928-02	4.2307689+02	1.4484845-03
1.480000+05	2.0466485-02	4.2461310+02	1.3926569-03
1.490000+05	1.9680150-02	4.2614931+02	1.3391501-03
1.500000+05	1.8926401-02	4.2768552+02	1.2878607-03
1.510000+05	1.8203786-02	4.2922173+02	1.2386899-03
1.520000+05	1.7510930-02	4.3075795+02	1.1915439-03
1.530000+05	1.6846515-02	4.3229415+02	1.1463333-03
1.540000+05	1.6209294-02	4.3383036+02	1.1029732-03
1.541990+05	1.6085624-02	4.3413607+02	1.0945580-03

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ALT	PO	TO	PO/PSLS
0.	1.4696000+01	4.5919399+02	1.0000000+00
1.0000000+03	1.4172636+01	4.6420371+02	9.6438722-01
2.0000000+03	1.3664467+01	4.6921243+02	9.2980857-01
3.0000000+03	1.3171155+01	4.7422315+02	8.9624078-01
3.2110000+03	1.3020709+01	4.7578117+02	8.8600363-01
4.0000000+03	1.2692363+01	4.7455262+02	8.6366103-01
5.0000000+03	1.2227763+01	4.7276953+02	8.3204700-01
6.0000000+03	1.1777031+01	4.7098644+02	8.0137663-01
7.0000000+03	1.1339848+01	4.6920335+02	7.7162818-01
8.0000000+03	1.0915900+01	4.6742026+02	7.4278033-01
9.0000000+03	1.0504878+01	4.6563717+02	7.1481203-01
1.0000000+04	1.0106478+01	4.6385407+02	6.8770264-01
1.0744000+04	9.8180809+00	4.6252745+02	6.6607844-01
1.1000000+04	9.7204031+00	4.6164692+02	6.6143188-01
1.2000000+04	9.3463578+00	4.5820735+02	6.3597970-01
1.3000000+04	8.9840533+00	4.5476776+02	6.1132643-01
1.4000000+04	8.6332065+00	4.5132819+02	5.8745281-01
1.5000000+04	8.2935273+00	4.4788861+02	5.6433978-01
1.6000000+04	7.9647716+00	4.4440552+02	5.4196866-01
1.7000000+04	7.6466390+00	4.4092243+02	5.2032111-01
1.8000000+04	7.3388751+00	4.3743934+02	4.9937908-01
1.9000000+04	7.0412194+00	4.3395625+02	4.7912488-01
2.0000000+04	6.7534152+00	4.3047315+02	4.5954104-01
2.1000000+04	6.4752120+00	4.2691007+02	4.4061050-01
2.2000000+04	6.2063618+00	4.2334697+02	4.2231640-01
2.3000000+04	5.9466227+00	4.1978388+02	4.0464226-01
2.4000000+04	5.6957570+00	4.1622079+02	3.8757192-01
2.5000000+04	5.4535303+00	4.1265770+02	3.7108943-01
2.6000000+04	5.2197132+00	4.0902859+02	3.5517918-01
2.7000000+04	4.9940807+00	4.0539948+02	3.3982589-01
2.8000000+04	4.7764114+00	4.0177037+02	3.2501438-01
2.9000000+04	4.5664889+00	3.9814126+02	3.1073009-01
3.0000000+04	4.3641005+00	3.9451214+02	2.9695839-01
3.0715000+04	4.2238959+00	3.9191733+02	2.8741806-01
3.1000000+04	4.1690372+00	3.9140915+02	2.8368517-01
3.2000000+04	3.9810949+00	3.8962606+02	2.7089649-01
3.3000000+04	3.8000726+00	3.8784297+02	2.5837870-01
3.4000000+04	3.6257737+00	3.8605987+02	2.4671840-01
3.5000000+04	3.4580058+00	3.8427678+02	2.3580251-01
3.6000000+04	3.2965796+00	3.8249369+02	2.2431815-01
3.6089000+04	3.2825137+00	3.8233500+02	2.2336103-01
3.7000000+04	3.1419396+00	3.8233500+02	2.1379556-01
3.8000000+04	2.9944879+00	3.8233500+02	2.0376278-01
3.9000000+04	2.8539751+00	3.8233500+02	1.9420081-01
3.9400000+04	2.7996301+00	3.8233500+02	1.9050287-01

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**1962 ATMOSPHERE
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ALT	PO	TO	PO/PSLS
4.000000+04	2.7200467+00	3.8233500+02	1.8508756-01
4.100000+04	2.5924031+00	3.8233500+02	1.7640195-01
4.200000+04	2.4707495+00	3.8233500+02	1.6812394-01
4.237700+04	2.4263826+00	3.8233500+02	1.6510497-01
4.300000+04	2.3548047+00	3.8071990+02	1.6023439-01
4.400000+04	2.2443008+00	3.7812745+02	1.5271508-01
4.500000+04	2.1389826+00	3.7553499+02	1.4554882-01
4.600000+04	2.0386066+00	3.7285500+02	1.3871846-01
4.700000+04	1.9429410+00	3.7017500+02	1.3220883-01
4.750000+04	1.8968050+00	3.6883499+02	1.2906947-01
4.800000+04	1.8517646+00	3.6774499+02	1.2600467-01
4.900000+04	1.7648669+00	3.6556499+02	1.2009165-01
5.000000+04	1.6820470+00	3.6338500+02	1.1445611-01
5.058300+04	1.6355683+00	3.6233499+02	1.1129244-01
5.100000+04	1.6031136+00	3.6233499+02	1.0908503-01
5.200000+04	1.5278843+00	3.6233499+02	1.0396600-01
5.250000+04	1.4821604+00	3.6233499+02	1.0148728-01
5.300000+04	1.4561854+00	3.6233499+02	9.9087891-02
5.400000+04	1.3878510+00	3.6233499+02	9.4437326-02
5.500000+04	1.3227233+00	3.6233499+02	9.0005668-02
5.600000+04	1.2606519+00	3.6233499+02	8.5781974-02
5.700000+04	1.2014933+00	3.6233499+02	8.1756485-02
5.750000+04	1.1729634+00	3.6233499+02	7.9815145-02
5.800000+04	1.1451109+00	3.6233499+02	7.7919901-02
5.900000+04	1.0913743+00	3.6233499+02	7.4283385-02
6.000000+04	1.0401594+00	3.6233499+02	7.0778400-02
6.100000+04	9.9134785-01	3.6233499+02	6.7456983-02
6.108700+04	9.8721113-01	3.6233499+02	6.7175499-02
6.200000+04	9.4482689-01	3.6378882+02	6.4291432-02
6.250000+04	9.2239158-01	3.6458499+02	6.2764808-02
6.300000+04	9.0048901-01	3.6531499+02	6.1274428-02
6.400000+04	8.5823178-01	3.6677500+02	5.8399006-02
6.500000+04	8.1795758-01	3.6823500+02	5.5658517-02
6.561700+04	7.9403690-01	3.6906177+02	5.4032179-02
6.600000+04	7.7987606-01	3.6968006+02	5.3046820-02
6.700000+04	7.4303722-01	3.7129438+02	5.0560508-02
6.750000+04	7.2543359-01	3.7210154+02	4.9362658-02
6.800000+04	7.0823865-01	3.7283870+02	4.8193974-02
6.900000+04	6.7515936-01	3.7431302+02	4.5941300-02

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GR4/J5G

**1962 ATMOSPHERE
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ALT	PO	TD	PO/PSIS
7.000000+04	6.436384-01	3.797873+02	4.3796843-02
7.100000+04	6.1363567-01	3.7712549+02	4.1755284-02
7.200000+04	5.8507041-01	3.7846364+02	3.9811541-02
7.300000+04	5.5787197-01	3.7980179+02	3.7960803-02
7.3055000+04	5.5641426-01	3.7987539+02	3.7861613-02
7.400000+04	5.3197325-01	3.8001316+02	3.6198506-02
7.500000+04	5.0731010-01	3.8015895+02	3.4520285-02
7.600000+04	4.8382241-01	3.8029326+02	3.2922047-02
7.700000+04	4.6145244-01	3.8042758+02	3.1399867-02
7.800000+04	4.4014553-01	3.8056191+02	2.9950022-02
7.900000+04	4.1984994-01	3.8069623+02	2.8568994-02
8.000000+04	4.0051624-01	3.8083055+02	2.7253419-02
8.0999999+04	3.8209770-01	3.8093168+02	2.6000115-02
8.1999999+04	3.6454978-01	3.8103282+02	2.4806059-02
8.2020999+04	3.6419016-01	3.8103495+02	2.4781584-02
8.300000+04	3.4783024-01	3.8110833+02	2.3668361-02
8.400000+04	3.3189881-01	3.8117924+02	2.2584296-02
8.500000+04	3.1671759-01	3.8125215+02	2.1551279-02
8.5999999+04	3.0225000-01	3.8133647+02	2.0566821-02
8.6999999+04	2.8846175-01	3.8142079+02	1.9628589-02
8.800000+04	2.7532003-01	3.8150511+02	1.8734352-02
8.900000+04	2.6279373-01	3.8158943+02	1.7881990-02
9.000000+04	2.5085328-01	3.8167375+02	1.7069494-02
9.0999999+04	2.3947048-01	3.8174807+02	1.6294943-02
9.1999999+04	2.2861862-01	3.8182240+02	1.5556520-02
9.300000+04	2.1827221-01	3.8189672+02	1.4852491-02
9.400000+04	2.0840712-01	3.8197103+02	1.4181214-02
9.500000+04	1.9900034-01	3.8204536+02	1.3541123-02
9.5999999+04	1.9002996-01	3.8209968+02	1.2930727-02
9.6999999+04	1.8147529-01	3.8215400+02	1.2348618-02
9.800000+04	1.7331642-01	3.8220831+02	1.1793442-02
9.900000+04	1.6553463-01	3.8226264+02	1.1263924-02
1.000000+05	1.5811203-01	3.8231696+02	1.0758848-02
1.010000+05	1.5103148-01	3.8238656+02	1.0277047-02
1.020000+05	1.4427687-01	3.8341424+02	9.8174247-03
1.030000+05	1.3783281-01	3.8396288+02	9.3789333-03
1.040000+05	1.3168462-01	3.8451153+02	8.9605753-03
1.0498700+05	1.2589286-01	3.8505304+02	8.5664712-03
1.050000+05	1.2581975-01	3.8507301+02	8.5614960-03
1.060000+05	1.2022873-01	3.8660922+02	8.1810514-03
1.070000+05	1.1490555-01	3.8814543+02	7.8168316-03
1.080000+05	1.0983644-01	3.8968164+02	7.4739005-03
1.090000+05	1.0500842-01	3.9121785+02	7.1453742-03

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ALT	PO	TO	PO/PSLS
1.100000+05	1.0040917-01	3.9275406+02	6.6324150-03
1.110000+05	9.6027111-02	3.9429027+02	6.5342348-03
1.120000+05	9.1851213-02	3.9582648+02	6.42500826-03
1.130000+05	8.7871100-02	3.9736269+02	5.9792528-03
1.140000+05	8.4076928-02	3.9889890+02	5.7210757-03
1.150000+05	8.0459377-02	4.0043511+02	5.4749168-03
1.160000+05	7.7009649-02	4.0197132+02	5.2401779-03
1.170000+05	7.3719388-02	4.0350754+02	5.0162893-03
1.180000+05	7.0580693-02	4.0504375+02	4.8027145-03
1.190000+05	6.7586077-02	4.0657995+02	4.5989437-03
1.200000+05	6.4728458-02	4.0811617+02	4.4044948-03
1.210000+05	6.200111-02	4.0965238+02	4.2189106-03
1.220000+05	5.9397665-02	4.1118859+02	4.0417572-03
1.230000+05	5.6912097-02	4.1272480+02	3.8726250-03
1.240000+05	5.4538674-02	4.1426101+02	3.7111237-03
1.250000+05	5.2271988-02	4.1579722+02	3.5568854-03
1.260000+05	5.0106875-02	4.1733343+02	3.4095587-03
1.270000+05	4.8038463-02	4.1886964+02	3.2688121-03
1.280000+05	4.6062120-02	4.2040585+02	3.1343904-03
1.290000+05	4.4173450-02	4.2194206+02	3.0058148-03
1.300000+05	4.2368290-02	4.2347827+02	2.8829811-03
1.310000+05	4.0642673-02	4.2501448+02	2.7655602-03
1.320000+05	3.8992853-02	4.2655069+02	2.6532970-03
1.330000+05	3.7415250-02	4.2808680+02	2.5459478-03
1.340000+05	3.5906472-02	4.2962312+02	2.4432819-03
1.350000+05	3.4463311-02	4.3115932+02	2.3450810-03
1.360000+05	3.3082696-02	4.3269553+02	2.2511361-03
1.370000+05	3.1761728-02	4.3423175+02	2.1612498-03
1.380000+05	3.0497642-02	4.3576795+02	2.0752342-03
1.390000+05	2.9287812-02	4.3730416+02	1.9929104-03
1.400000+05	2.8129739-02	4.3884038+02	1.9141089-03
1.410000+05	2.7021047-02	4.4037659+02	1.8386668-03
1.420000+05	2.5959488-02	4.4191280+02	1.7664322-03
1.430000+05	2.4942899-02	4.4344901+02	1.6972577-03
1.440000+05	2.3969250-02	4.4498522+02	1.6310050-03
1.450000+05	2.3036591-02	4.4652143+02	1.5675416-03
1.460000+05	2.2143068-02	4.4805764+02	1.5067411-03
1.470000+05	2.1286928-02	4.4959385+02	1.4484845-03
1.480000+05	2.0466485-02	4.5113006+02	1.3926569-03
1.490000+05	1.9680150-02	4.5266627+02	1.3391501-03
1.500000+05	1.8926401-02	4.5420249+02	1.2878607-03
1.510000+05	1.8203786-02	4.5573869+02	1.2386899-03
1.520000+05	1.7510930-02	4.5727491+02	1.1915439-03
1.530000+05	1.6846515-02	4.5881112+02	1.1463333-03
1.540000+05	1.6209294-02	4.6034732+02	1.1029732-03
1.5419900+05	1.6085624-02	4.6065303+02	1.0945580-03

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ALT	PQ	TO	PO/PELS
0.	1.4496000+01	5.1868799+02	1.0000000+00
1.0000000+03	1.4272636+01	5.1511637+02	9.6438729-01
2.0000000+03	1.3664467+01	5.1154475+02	9.2980857-01
3.0000000+03	1.3171155+01	5.0797313+02	8.9624078-01
3.3110000+03	1.3020709+01	5.0686235+02	8.8600363-01
4.0000000+03	1.2692363+01	5.0440525+02	8.6246103-01
5.0000000+03	1.2227763+01	5.0083907+02	8.3204700-01
6.0000000+03	1.1777031+01	4.9727288+02	8.0237663-01
7.0000000+03	1.1339848+01	4.9370670+02	7.7162818-01
8.0000000+03	1.0915900+01	4.9014052+02	7.4278033-01
9.0000000+03	1.0504878+01	4.8657434+02	7.1481203-01
1.0000000+04	1.0106478+01	4.8300815+02	6.8770264-01
1.0744000+04	9.8180809+00	4.8035491+02	6.6807844-01
1.1000000+04	9.7204031+00	4.7944197+02	6.6143188-01
1.2000000+04	9.3463578+00	4.7587579+02	6.3597970-01
1.3000000+04	8.9840533+00	4.7230960+02	6.1132643-01
1.4000000+04	8.6332065+00	4.6874342+02	5.8745281-01
1.5000000+04	8.2935373+00	4.6517724+02	5.6433974-01
1.6000000+04	7.9647716+00	4.6161105+02	5.4196866-01
1.7000000+04	7.6466390+00	4.5804487+02	5.2032111-01
1.8000000+04	7.3388751+00	4.5447869+02	4.9937908-01
1.9000000+04	7.0412194+00	4.5091251+02	4.7912488-01
2.0000000+04	6.7534152+00	4.4734632+02	4.5954104-01
2.1000000+04	6.4752120+00	4.4378014+02	4.4061050-01
2.2000000+04	6.2063618+00	4.4021395+02	4.2231640-01
2.3000000+04	5.9466227+00	4.3664777+02	4.0464226-01
2.4000000+04	5.6957570+00	4.3308159+02	3.8757192-01
2.5000000+04	5.4535303+00	4.2951540+02	3.7108943-01
2.6000000+04	5.2197132+00	4.2594922+02	3.5517916-01
2.7000000+04	4.9940807+00	4.2238303+02	3.3982588-01
2.8000000+04	4.7764114+00	4.1881685+02	3.2501438-01
2.9000000+04	4.5664889+00	4.1525067+02	3.1073005-01
3.0000000+04	4.3641005+00	4.1168448+02	2.9695839-01
3.0715000+04	4.2238959+00	4.0913466+02	2.8741804-01
3.1000000+04	4.1690372+00	4.0811830+02	2.8368517-01
3.2000000+04	3.9810949+00	4.0455212+02	2.7089649-01
3.3000000+04	3.800726+00	4.0098594+02	2.5857870-01
3.4000000+04	3.6287737+00	3.9741975+02	2.4671840-01
3.5000000+04	3.4580058+00	3.9385357+02	2.3530251-01
3.6000000+04	3.2965796+00	3.9028739+02	2.2431815-01
3.6089000+04	3.2825137+00	3.8997000+02	2.2336103-01
3.7000000+04	3.1419396+00	3.8997000+02	2.1378556-01
3.8000000+04	2.9944979+00	3.8997000+02	2.0378278-01
3.9000000+04	2.8539751+00	3.8997000+02	1.9420081-01
3.9400000+04	2.7996301+00	3.8997000+02	1.9050287-01

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ALT	PO	TO	PO/PSLS
4.000000+04	2.7200467+00	3.8997000+02	1.8508756-01
4.100000+04	2.5924031+00	3.8997000+02	1.7640195-01
4.200000+04	2.4707495+00	3.8997000+02	1.6812894-01
4.2377000+04	2.4263826+00	3.8997000+02	1.6510497-01
4.300000+04	2.3548047+00	3.8997000+02	1.6023439-01
4.400000+04	2.2443008+00	3.8997000+02	1.5271508-01
4.500000+04	2.1389826+00	3.8997000+02	1.4554862-01
4.600000+04	2.0386066+00	3.8997000+02	1.3871846-01
4.700000+04	1.9429410+00	3.8997000+02	1.3220883-01
4.750000+04	1.8968050+00	3.8997000+02	1.2906947-01
4.800000+04	1.8517646+00	3.8997000+02	1.2600467-01
4.900000+04	1.7648669+00	3.8997000+02	1.2009165-01
5.000000+04	1.6820470+00	3.8997000+02	1.1445611-01
5.0583000+04	1.6355683+00	3.8997000+02	1.1129344-01
5.100000+04	1.6031136+00	3.8997000+02	1.0908503-01
5.200000+04	1.5278843+00	3.8997000+02	1.0396600-01
5.250000+04	1.4916041+00	3.8997000+02	1.0149728-01
5.300000+04	1.4561854+00	3.8997000+02	9.9087191-02
5.400000+04	1.3878910+00	3.8997000+02	9.4437326-02
5.500000+04	1.3227233+00	3.8997000+02	9.0005668-02
5.600000+04	1.2606519+00	3.8997000+02	8.5781974-02
5.700000+04	1.2014933+00	3.8997000+02	8.1756485-02
5.750000+04	1.1729634+00	3.8997000+02	7.9815145-02
5.800000+04	1.1451109+00	3.8997000+02	7.7919901-02
5.900000+04	1.0913743+00	3.8997000+02	7.4263359-02
6.000000+04	1.0401594+00	3.8997000+02	7.0778400-02
6.100000+04	9.9134785-01	3.8997000+02	6.7486988-02
6.1087000+04	9.8721113-01	3.8997000+02	6.7172499-02
6.200000+04	9.4482689-01	3.8997000+02	6.4291432-02
6.250000+04	9.2239158-01	3.8997000+02	6.2764806-02
6.300000+04	9.0048901-01	3.8997000+02	6.1274429-02
6.400000+04	8.5823178-01	3.8997000+02	5.8299006-02
6.500000+04	8.1795756-01	3.8997000+02	5.5658517-02
6.5617000+04	7.9405690-01	3.8997000+02	5.4032179-02
6.600000+04	7.7957606-01	3.9018013+02	5.3046820-02
6.700000+04	7.4303722-01	3.9072877+02	5.0560508-02
6.750000+04	7.2543359-01	3.9100308+02	4.9362655-02
6.800000+04	7.0825865-01	3.9127741+02	4.8193974-02
6.900000+04	6.7515336-01	3.9182605+02	4.5941300-02

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1962 ATMOSPHERE
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ALT	PO	TO	PG/PST S
7.000000+04	6.4263841-01	3.9237469+02	4.3796843-02
7.100000+04	6.1363567-01	3.9292333+02	4.1755284-02
7.200000+04	5.8507041-01	3.9347197+02	3.9811541+02
7.300000+04	5.5787197-01	3.9402061+02	3.7860803-02
7.3055000+04	5.5641426-01	3.9408079+02	3.7861613-02
7.400000+04	5.3197325-01	3.9456925+02	3.6198506-02
7.500000+04	5.0731010-01	3.9511790+02	3.4520285-02
7.600000+04	4.8382241-01	3.9566654+02	3.2927047-02
7.700000+04	4.6145244-01	3.9621518+02	3.1399867-02
7.800000+04	4.4014953-01	3.9676382+02	2.9950022-02
7.900000+04	4.1984994-01	3.9731246+02	2.8568994-02
8.0000000+04	4.0051624-01	3.9786110+02	2.7253419-02
8.0999999+04	3.8209770-01	3.9840974+02	2.6000119-02
8.1999999+04	3.6454978-01	3.9895838+02	2.4801055-02
8.2020999+04	3.6419016-01	3.9896990+02	2.4781584+02
8.3000000+04	3.4783024-01	3.9950702+02	2.3648841+02
8.4000000+04	3.3189881-01	4.0005566+02	2.2584296+02
8.5000000+04	3.1671759-01	4.0060430+02	2.1551279-02
8.5999999+04	3.0225000-01	4.0115294+02	2.0566821-02
8.6999999+04	2.8846175-01	4.0170159+02	1.9628989-02
8.8000000+04	2.7532003-01	4.0225022+02	1.8734852-02
8.9000000+04	2.6279373-01	4.0279887+02	1.7881990-02
9.0000000+04	2.5085328-01	4.0334751+02	1.7069494-02
9.0999999+04	2.3947048-01	4.0389615+02	1.6294943-02
9.1999999+04	2.2861562-01	4.0444479+02	1.5556520-02
9.3000000+04	2.1827221-01	4.0499343+02	1.4852491-02
9.4000000+04	2.0840712-01	4.0554208+02	1.4181214-02
9.5000000+04	1.9900034-01	4.0609071+02	1.3541123-02
9.5999999+04	1.9002996-01	4.0663936+02	1.2930727-02
9.6999999+04	1.8147529-01	4.0718800+02	1.2348616-02
9.8000000+04	1.7331642-01	4.0773664+02	1.1793442-02
9.9000000+04	1.6553463-01	4.0828528+02	1.1263924-02
1.0000000+05	1.5811203-01	4.0883392+02	1.0758848-02
1.0100000+05	1.5103148-01	4.0938256+02	1.0277047-02
1.0200000+05	1.4427687-01	4.0993120+02	9.8174247-03
1.0300000+05	1.3783281-01	4.1047984+02	9.3789333-03
1.0400000+05	1.3168462-01	4.1102849+02	8.9605753-03
1.0498700+05	1.2589286-01	4.1156999+02	8.5666712-03
1.0500000+05	1.2581975-01	4.1158997+02	8.5614960-03
1.0600000+05	1.2022873-01	4.1312618+02	8.11810514-03
1.0700000+05	1.1490555-01	4.1466239+02	7.8188316-03
1.0800000+05	1.0983644-01	4.1619860+02	7.4739005-03
1.0900000+05	1.0500842-01	4.1773481+02	7.1452742-03

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1962 ATMOSPHERE
STANDARD DAY

ALT	PO	TO	PO/PSLS
1.100000+05	1.0040917-01	4.1927102+02	6.8324150-03
1.110000+05	9.6027111-02	4.2080723+02	6.5342145-03
1.120000+05	9.1851213-02	4.2234344+02	6.2500826-03
1.130000+05	8.7871100-02	4.2387965+02	5.9792528-03
1.140000+05	8.4076928-02	4.2541586+02	5.7210757-03
1.150000+05	8.0459377-02	4.2695208+02	5.4749168-03
1.160000+05	7.7009649-02	4.2848828+02	5.2401775-03
1.170000+05	7.3719388-02	4.3002449+02	5.0162893-03
1.180000+05	7.0530693-02	4.3156071+02	4.8027145-03
1.190000+05	6.7586077-02	4.3309692+02	4.5989437-03
1.200000+05	6.4728458-02	4.3463312+02	4.4044949-03
1.210000+05	6.2001111-02	4.3616934+02	4.2189106-03
1.220000+05	5.9397665-02	4.3770555+02	4.0417572-03
1.230000+05	5.6912097-02	4.3924176+02	3.8726250-03
1.240000+05	5.4538674-02	4.4077797+02	3.7111257-03
1.250000+05	5.2271988-02	4.4231418+02	3.5568854-03
1.260000+05	5.0106875-02	4.4385039+02	3.4095587-03
1.270000+05	4.8038463-02	4.4538660+02	3.2684121-03
1.280000+05	4.6062120-02	4.4692281+02	3.1343904-03
1.290000+05	4.4173450-02	4.4845902+02	3.0056148-03
1.300000+05	4.2368290-02	4.4999523+02	2.8829811-03
1.310000+05	4.0642673-02	4.5153144+02	2.7655602-03
1.320000+05	3.8992858-02	4.5306765+02	2.6532970-03
1.330000+05	3.7415250-02	4.5460386+02	2.5454478-03
1.340000+05	3.5906472-02	4.5614007+02	2.4432819-03
1.350000+05	3.4463311-02	4.5767629+02	2.3458010-03
1.360000+05	3.3082696-02	4.5921249+02	2.2511361-03
1.370000+05	3.1761728-02	4.6074871+02	2.1612498-03
1.380000+05	3.0497642-02	4.6228492+02	2.0752342-03
1.390000+05	2.9287812-02	4.6382113+02	1.9929104-03
1.400000+05	2.8129739-02	4.6535734+02	1.9141085-03
1.410000+05	2.7021047-02	4.6689355+02	1.8386668-03
1.420000+05	2.5959488-02	4.6842976+02	1.7664322-03
1.430000+05	2.4942899-02	4.6996597+02	1.6972572-03
1.440000+05	2.3969250-02	4.7150218+02	1.6310050-03
1.450000+05	2.3036591-02	4.7303839+02	1.5679416-03
1.460000+05	2.2143068-02	4.7457460+02	1.5067411-03
1.470000+05	2.1286928-02	4.7611082+02	1.4484845-03
1.480000+05	2.0466485-02	4.7764702+02	1.3926569-03
1.490000+05	1.9680150-02	4.7918323+02	1.3391501-03
1.500000+05	1.8926401-02	4.8071945+02	1.2878607-03
1.510000+05	1.8203786-02	4.8225566+02	1.2386897-03
1.520000+05	1.7510930-02	4.8379187+02	1.1912439-03
1.530000+05	1.6846515-02	4.8532808+02	1.1463333-03
1.540000+05	1.6209294-02	4.8686429+02	1.1029732-03
1.541990+05	1.6085624-02	4.8716999+02	1.0945580-03

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1962 ATMOSPHERE
INTERMEDIATE HOT DAY

ALT	PO	TO	PO/PSLS
0.	1.4696000+01	5.4069399+02	1.0000000+00
1.0000000+03	1.4172636+01	5.3697522+02	9.6438729-01
2.0000000+03	1.3664467+01	5.3325646+02	9.2980857-01
3.0000000+03	1.3171155+01	5.2953770+02	8.9624078-01
3.3110000+03	1.3020709+01	5.2838117+02	8.8600363-01
4.0000000+03	1.2692363+01	5.2582684+02	8.6366109-01
5.0000000+03	1.2227763+01	5.2211953+02	8.3204750-01
6.0000000+03	1.1777031+01	5.1837091+02	8.0137663-01
7.0000000+03	1.1339848+01	5.1462228+02	7.7162818-01
8.0000000+03	1.0915900+01	5.1087366+02	7.4278033-01
9.0000000+03	1.0504878+01	5.0712504+02	7.1481203-01
1.0000000+04	1.0106478+01	5.0337643+02	6.8770264-01
1.0744000+04	9.8180809+00	5.0058745+02	6.6807844-01
1.1000000+04	9.7204031+00	4.9964316+02	6.6143188-01
1.2000000+04	9.3463578+00	4.9595452+02	6.3597970-01
1.3000000+04	8.9840533+00	4.9226589+02	6.1132643-01
1.4000000+04	8.6332065+00	4.8857725+02	5.8745281-01
1.5000000+04	8.2935373+00	4.8488861+02	5.6493976-01
1.6000000+04	7.9647716+00	4.8116552+02	5.4196866-01
1.7000000+04	7.6466390+00	4.7744243+02	5.2032111-01
1.8000000+04	7.3388751+00	4.7371934+02	4.9937908-01
1.9000000+04	7.0412194+00	4.6999525+02	4.7912488-01
2.0000000+04	6.7534152+00	4.6627316+02	4.5954104-01
2.1000000+04	6.4752120+00	4.6261006+02	4.4061050-01
2.2000000+04	6.2063618+00	4.5894697+02	4.2231640-01
2.3000000+04	5.9466227+00	4.5528388+02	4.0464226-01
2.4000000+04	5.6957570+00	4.5162079+02	3.8757192-01
2.5000000+04	5.4535303+00	4.4795769+02	3.7108943-01
2.6000000+04	5.2197132+00	4.4428747+02	3.5517918-01
2.7000000+04	4.9940807+00	4.4061723+02	3.3982589-01
2.8000000+04	4.7764114+00	4.3694701+02	3.2501438-01
2.9000000+04	4.5664889+00	4.3327677+02	3.1073005-01
3.0000000+04	4.3641005+00	4.2960654+02	2.9695839-01
3.0715000+04	4.2238959+00	4.2698233+02	2.8741806-01
3.1000000+04	4.1690372+00	4.2597537+02	2.8368517-01
3.2000000+04	3.9810949+00	4.2244219+02	2.7089649-01
3.3000000+04	3.8000726+00	4.1890900+02	2.5887870-01
3.4000000+04	3.6257737+00	4.1537581+02	2.4671840-01
3.5000000+04	3.4580058+00	4.1184263+02	2.3530251-01
3.6000000+04	3.2965796+00	4.0830945+02	2.2431815-01
3.6089000+04	3.2825137+00	4.0799499+02	2.2336103-01
3.7000000+04	3.1419396+00	4.0643768+02	2.1379556-01
3.8000000+04	2.9944979+00	4.0472823+02	2.0376278-01
3.9000000+04	2.8539751+00	4.0301877+02	1.9420081-01
3.9400000+04	2.7996301+00	4.0233499+02	1.9050287-01

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**1962 ATMOSPHERE
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ALT	PO	TO	PO/PSLS
4.000000+04	2.7200467+00	4.0246096+02	1.8508756-01
4.100000+04	2.5924031+00	4.0267090+02	1.7640195-01
4.200000+04	2.4707495+00	4.0288085+02	1.6812394-01
4.237700+04	2.4263826+00	4.0295999+02	1.6510497-01
4.300000+04	2.3548047+00	4.0309656+02	1.6023439-01
4.400000+04	2.2443008+00	4.0331578+02	1.5271508-01
4.500000+04	2.1389826+00	4.0353499+02	1.4554862-01
4.600000+04	2.0386066+00	4.0377499+02	1.3871846-01
4.700000+04	1.9429410+00	4.0401499+02	1.3220883-01
4.750000+04	1.8968050+00	4.0413499+02	1.2906947-01
4.800000+04	1.8517643+00	4.0425500+02	1.2600467-01
4.900000+04	1.7648669+00	4.0449499+02	1.2009165-01
5.000000+04	1.6820470+00	4.0473499+02	1.1445611-01
5.058300+04	1.6355683+00	4.0484499+02	1.1129344-01
5.100000+04	1.6031136+00	4.0488532+02	1.0908503-01
5.200000+04	1.5278843+00	4.0498543+02	1.0396600-01
5.250000+04	1.4916041+00	4.0503500+02	1.0149728-01
5.300000+04	1.4561854+00	4.0508499+02	9.9087191-02
5.400000+04	1.3878910+00	4.0518500+02	9.4427326-02
5.500000+04	1.3227233+00	4.0528499+02	9.0005468-02
5.600000+04	1.2608519+00	4.0536500+02	8.5782974-02
5.700000+04	1.2014933+00	4.0544499+02	8.1756483-02
5.750000+04	1.1729634+00	4.0548499+02	7.9815143-02
5.800000+04	1.1451109+00	4.0553499+02	7.7919901-02
5.900000+04	1.0913743+00	4.0563499+02	7.4263355-02
6.000000+04	1.0401594+00	4.0573499+02	7.0778400-02
6.100000+04	9.9134785-01	4.0583499+02	6.7456983-02
6.108700+04	9.8721113-01	4.0586999+02	6.7175499-02
6.200000+04	9.4482689-01	4.0594430+02	6.4291432-02
6.250000+04	9.2239158-01	4.0598499+02	6.2764806-02
6.300000+04	9.0048901-01	4.0603499+02	6.1274429-02
6.400000+04	8.5823178-01	4.0613499+02	5.8399006-02
6.500000+04	8.1795756-01	4.0623499+02	5.5658517-02
6.561700+04	7.9405690-01	4.0633371+02	5.4032179-02
6.600000+04	7.7957606-01	4.0650006+02	5.3046820-02
6.700000+04	7.4307722-01	4.0693437+02	5.0560508-02
6.750000+04	7.2543359-01	4.0715154+02	4.9362653-02
6.800000+04	7.0825865-01	4.0745870+02	4.8193974-02
6.900000+04	6.7515336-01	4.0807902+02	4.5941300-02

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GE4/J5G

**1962 ATMOSPHERE
INTERMEDIATE WGT DAY**

ALT	PO	TO	PO/PSLS
7.000000+04	6.4363841-01	4.0868734+02	4.3796843-02
7.100000+04	6.1363567-01	4.0931027+02	4.1755284+02
7.200000+04	5.8907041-01	4.0993320+02	3.9811541-02
7.300000+04	5.6787197-01	4.1055613+02	3.7960803-02
7.3055000+04	5.5641426-01	4.1059039+02	3.7861613-02
7.400000+04	5.3197325-01	4.1118244+02	3.6198506-02
7.500000+04	5.0731010-01	4.1180894+02	3.4520289+02
7.600000+04	4.8382241-01	4.1243326+02	3.2922047-02
7.700000+04	4.6145244-01	4.1305758+02	3.1399867-02
7.800000+04	4.4014553-01	4.1368191+02	2.9950022-02
7.900000+04	4.1984994-01	4.1430622+02	2.8568994-02
8.000000+04	4.0051624-01	4.1493055+02	2.7258419-02
8.0999999+04	3.8209770-01	4.1560071+02	2.6000119-02
8.1999999+04	3.6454978-01	4.1627087+02	2.4804099-02
8.2020999+04	3.6419016-01	4.1628495+02	2.4781584+02
8.300000+04	3.4783024-01	4.1693144+02	2.3668361-02
8.400000+04	3.3189881-01	4.1759179+02	2.2584296-02
8.500000+04	3.1671759-01	4.1825215+02	2.1551279-02
8.5999999+04	3.0225000-01	4.1892647+02	2.0566821-02
8.6999999+04	2.8846175-01	4.1960079+02	1.9628589-02
8.800000+04	2.7532003-01	4.2027511+02	1.8734352-02
8.900000+04	2.6279373-01	4.2094943+02	1.7881990-02
9.000000+04	2.5085328-01	4.2162375+02	1.7069494+02
9.0999999+04	2.3947048-01	4.2228807+02	1.6294943+02
9.1999999+04	2.2861862-01	4.2295239+02	1.5556520-02
9.300000+04	2.1827221-01	4.2361671+02	1.4852491-02
9.400000+04	2.0840712-01	4.2428103+02	1.4181214+02
9.500000+04	1.9900034-01	4.2494535+02	1.3541123+02
9.5999999+04	1.9002996-01	4.2564967+02	1.2930727-02
9.6999999+04	1.8147529-01	4.2635399+02	1.2348618+02
9.800000+04	1.7331642-01	4.2705832+02	1.1793442-02
9.900000+04	1.6553463-01	4.2776263+02	1.1263924+02
1.000000+05	1.5811203-01	4.2846696+02	1.0758848-02
1.010000+05	1.5103148-01	4.2901560+02	1.0277047-02
1.020000+05	1.4427687-01	4.2956424+02	9.8174247-03
1.030000+05	1.3783281-01	4.3011288+02	9.3789333-03
1.040000+05	1.3168462-01	4.3066152+02	8.9605753-03
1.0498700+05	1.2589286-01	4.3120303+02	8.5664712-03
1.050000+05	1.2581975-01	4.3122301+02	8.5614960-03
1.060000+05	1.2022873-01	4.3275921+02	8.1810514-03
1.070000+05	1.1490555-01	4.3429543+02	7.8188316-03
1.080000+05	1.0983644-01	4.3583164+02	7.4739005-03
1.090000+05	1.0500842-01	4.3736784+02	7.1453742-03

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1962 ATMOSPHERE
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ALT	PO	TO	PO/PSLS
1.100000+05	1.0040917-01	4.3890406+02	6.8324150-03
1.110000+05	9.6027111-02	4.4044027+02	6.5342345-03
1.120000+05	9.1851213-02	4.4197648+02	6.2500826-03
1.130000+05	8.7871100-02	4.4351269+02	5.9792528-03
1.140000+05	8.4076928-02	4.4504890+02	5.7210757-03
1.150000+05	8.0459377-02	4.4658511+02	5.4749168-03
1.160000+05	7.7009649-02	4.4812132+02	5.2401775-03
1.170000+05	7.3719388-02	4.4965754+02	5.0162893-03
1.180000+05	7.0580693-02	4.5119374+02	4.8027145-03
1.190000+05	6.7586077-02	4.5272995+02	4.5989437-03
1.200000+05	6.4728458-02	4.5426617+02	4.4044949-03
1.210000+05	6.2001111-02	4.5580238+02	4.2189106-03
1.220000+05	5.9397665-02	4.5733858+02	4.0417572-03
1.230000+05	5.6912097-02	4.5887480+02	3.8726250-03
1.240000+05	5.4538674-02	4.6041101+02	3.7111237-03
1.250000+05	5.2271988-02	4.6194721+02	3.5568854-03
1.260000+05	5.0106875-02	4.6348343+02	3.4095587-03
1.270000+05	4.8038463-02	4.6501964+02	3.2688121-03
1.280000+05	4.6062120-02	4.6655585+02	3.1343304-03
1.290000+05	4.4173450-02	4.6809206+02	3.0058145-03
1.300000+05	4.2368290-02	4.6962827+02	2.8829811-03
1.310000+05	4.0642673-02	4.7116448+02	2.7655602-03
1.320000+05	3.8992853-02	4.7270069+02	2.6532970-03
1.330000+05	3.7415250-02	4.7423690+02	2.5459478-03
1.340000+05	3.5906472-02	4.7577311+02	2.4432819-03
1.350000+05	3.4463311-02	4.7730932+02	2.3450810-03
1.360000+05	3.3082696-02	4.7884553+02	2.2511361-03
1.370000+05	3.1761728-02	4.8038175+02	2.1612498-03
1.380000+05	3.0497642-02	4.8191795+02	2.0752342-03
1.390000+05	2.9287812-02	4.8345416+02	1.9929104-03
1.400000+05	2.8129739-02	4.8499038+02	1.9141085-03
1.410000+05	2.7021047-02	4.8652658+02	1.8386668-03
1.420000+05	2.5959488-02	4.8806280+02	1.7664322-03
1.430000+05	2.4942899-02	4.8959901+02	1.6972577-03
1.440000+05	2.3969250-02	4.9113522+02	1.6310050-03
1.450000+05	2.3036591-02	4.9267142+02	1.5675416-03
1.460000+05	2.2143068-02	4.9420763+02	1.5067411-03
1.470000+05	2.1286928-02	4.9574385+02	1.4484845-03
1.480000+05	2.0466485-02	4.9728006+02	1.3926569-03
1.490000+05	1.9680150-02	4.9881627+02	1.3391501-03
1.500000+05	1.8926401-02	5.0035248+02	1.2878607-03
1.510000+05	1.8203786-02	5.0188869+02	1.2386899-03
1.520000+05	1.7510930-02	5.0342491+02	1.1915439-03
1.530000+05	1.6846515-02	5.0496112+02	1.1463333-03
1.540000+05	1.6209294-02	5.0649732+02	1.1029732-03
1.541990+05	1.6085624-02	5.0680302+02	1.0945580-03

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ALT	PO	TO	PO/RSL
0.	1.4496800+01	5.6268999+02	1.0000000+00
1.0000000+03	1.4472636+01	5.5883409+02	9.6438729-01
2.0000000+03	1.3664467+01	5.5496818+02	9.2980887-01
3.0000000+03	1.3171155+01	5.5110229+02	8.9624078-01
3.3110000+03	1.3020709+01	5.4989999+02	8.8600363-01
4.0000000+03	1.2692363+01	5.4724842+02	8.6366103-01
5.0000000+03	1.2227763+01	5.4339999+02	8.3204700-01
6.0000000+03	1.1777031+01	5.3946893+02	8.0137663-01
7.0000000+03	1.1339848+01	5.3553787+02	7.7162818-01
8.0000000+03	1.0915900+01	5.3160682+02	7.4278033-01
9.0000000+03	1.0504878+01	5.2767575+02	7.1481403-01
1.0000000+04	1.0106478+01	5.2374470+02	6.8770264-01
1.0744000+04	9.8180809+00	5.2082000+02	6.6807844-01
1.1000000+04	9.7204031+00	5.1984436+02	6.6143188-01
1.2000000+04	9.3463578+00	5.1603326+02	6.3597970-01
1.3000000+04	8.9840533+00	5.1222217+02	6.1132663-01
1.4000000+04	8.6332065+00	5.0841109+02	5.8745281-01
1.5000000+04	8.2935373+00	5.0459999+02	5.6433976-01
1.6000000+04	7.9667716+00	5.0071999+02	5.4196886-01
1.7000000+04	7.6466390+00	4.9683999+02	5.2032111-01
1.8000000+04	7.3388751+00	4.9295999+02	4.9937908-01
1.9000000+04	7.0412194+00	4.8907999+02	4.7912488-01
2.0000000+04	6.7534252+00	4.8519999+02	4.5954104-01
2.1000000+04	6.4752120+00	4.8133999+02	4.4061050-01
2.2000000+04	6.2063618+00	4.7767999+02	4.2231640-01
2.3000000+04	5.9466227+00	4.7391999+02	4.0464226-01
2.4000000+04	5.6959370+00	4.7016000+02	3.8757192-01
2.5000000+04	5.4535303+00	4.6640000+02	3.7108943-01
2.6000000+04	5.2197132+00	4.6262871+02	3.5517918-01
2.7000000+04	4.9940807+00	4.5889144+02	3.3982588-01
2.8000000+04	4.7764114+00	4.5507716+02	3.2501438-01
2.9000000+04	4.5664889+00	4.5130288+02	3.1075005-01
3.0000000+04	4.3641005+00	4.4752860+02	2.9695839-01
3.0715000+04	4.2238959+00	4.4482999+02	2.8741806-01
3.1000000+04	4.1690372+00	4.4383244+02	2.8368517-01
3.2000000+04	3.9810949+00	4.4033225+02	2.7089649-01
3.3000000+04	3.8000726+00	4.3683206+02	2.5857870-01
3.4000000+04	3.6257737+00	4.3333188+02	2.4671840-01
3.5000000+04	3.4580058+00	4.2983170+02	2.3530251-01
3.6000000+04	3.2968796+00	4.2633151+02	2.2431818-01
3.6089000+04	3.2825137+00	4.2602000+02	2.2336103-01
3.7000000+04	3.1419396+00	4.2290387+02	2.1379556-01
3.8000000+04	2.9944979+00	4.1948466+02	2.0376278-01
3.9000000+04	2.8539751+00	4.1606755+02	1.9420081-01
3.9400000+04	2.7996301+00	4.1470000+02	1.9050287-01

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1962 ATMOSPHERE
MIL STD 210A HOT DAY

ALT	PO	TD	PO/PSLS
4.000000+04	2.7200467+00	4.1495193+02	1.8508756-01
4.100000+04	2.5924031+00	4.1537181+02	1.7640195-01
4.200000+04	2.4707495+00	4.1579170+02	1.6812394-01
4.237700+04	2.4263826+00	4.1594999+02	1.6510497-01
4.300000+04	2.3548047+00	4.1622313+02	1.6023439-01
4.400000+04	2.2443008+00	4.1666157+02	1.5271508-01
4.500000+04	2.1389826+00	4.1709999+02	1.4554862-01
4.600000+04	2.0386066+00	4.1758000+02	1.3871846-01
4.700000+04	1.9429410+00	4.1805999+02	1.3220883-01
4.750000+04	1.8968050+00	4.1829999+02	1.2906947-01
4.800000+04	1.8517646+00	4.1853999+02	1.2600467-01
4.900000+04	1.7648669+00	4.1901999+02	1.2009165-01
5.000000+04	1.6820470+00	4.1950000+02	1.1445611-01
5.058300+04	1.6355683+00	4.1971999+02	1.1129344-01
5.100000+04	1.6031136+00	4.1980265+02	1.0908503-01
5.200000+04	1.5278843+00	4.2000088+02	1.0396600-01
5.250000+04	1.4916041+00	4.2010000+02	1.0149728-01
5.300000+04	1.4561854+00	4.2020000+02	9.9087191-02
5.400000+04	1.3878510+00	4.2039999+02	9.4487326-02
5.500000+04	1.3227233+00	4.2060000+02	9.0005668-02
5.600000+04	1.2606519+00	4.2078999+02	8.5781974-02
5.700000+04	1.2014933+00	4.2092000+02	8.1756485-02
5.750000+04	1.1729634+00	4.2100000+02	7.9815145-02
5.800000+04	1.1451109+00	4.2110000+02	7.7919901-02
5.900000+04	1.0913743+00	4.2129999+02	7.4263355-02
6.000000+04	1.0401594+00	4.2150000+02	7.0778400-02
6.100000+04	9.9134785-01	4.2174838+02	6.7456985-02
6.108700+04	9.8721113-01	4.2176999+02	6.7178499-02
6.200000+04	9.4482689-01	4.2191861+02	6.4291432-02
6.250000+04	9.2239158-01	4.2200000+02	6.2764806-02
6.300000+04	9.0048901-01	4.2210000+02	6.1274429-02
6.400000+04	8.5823178-01	4.2230000+02	5.8399006-02
6.500000+04	8.1795756-01	4.2250000+02	5.5658517-02
6.561700+04	7.9405690-01	4.2269744+02	5.4032179-02
6.600000+04	7.7957606-01	4.2282000+02	5.3046820-02
6.700000+04	7.4303722-01	4.2314000+02	5.0560508-02
6.750000+04	7.2543359-01	4.2330000+02	4.9362655-02
6.800000+04	7.0825865-01	4.2363999+02	4.8193974-02
6.900000+04	6.7515336-01	4.2431999+02	4.5941300-02

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1962 ATMOSPHERE
MIL STD 210A HOT DAY

ALT	PO	TO	PO/PSLS
71000000+04	6.4363841-01	4.2500000+02	4.3796843-02
711000000+04	6.1363567-01	4.2569721+02	4.1755284-02
712000000+04	5.8507041-01	4.2639443+02	3.9811541-02
713000000+04	5.5787197-01	4.2709165+02	3.7960803-02
713055000+04	5.5641426-01	4.2713000+02	3.7861613-02
714000000+04	5.3197325-01	4.2779562+02	3.6198506-02
715000000+04	5.0731010-01	4.2850000+02	3.4520285-02
716000000+04	4.8382241-01	4.2919999+02	3.2922047-02
717000000+04	4.6145844-01	4.2990000+02	3.1399867-02
718000000+04	4.4014953-01	4.3059999+02	2.9950022-02
719000000+04	4.1984994-01	4.3130000+02	2.8568994-02
810000000+04	4.0051624-01	4.3200000+02	2.7253419-02
810999999+04	3.8209770-01	4.3279168+02	2.6000115-02
811999999+04	3.6454978-01	4.3358337+02	2.4806055-02
812020999+04	3.6419016-01	4.3360000+02	2.4781584-02
813000000+04	3.4783024-01	4.3435585+02	2.3668361-02
814000000+04	3.3189881-01	4.3512793+02	2.2584296-02
815000000+04	3.1671759-01	4.3590000+02	2.1551279-02
815900999+04	3.0225000-01	4.3669999+02	2.0566821-02
816999999+04	2.8846175-01	4.3749999+02	1.9628589-02
818000000+04	2.7532003-01	4.3829999+02	1.8734352-02
819000000+04	2.6279373-01	4.3909999+02	1.7881990-02
910000000+04	2.5085328-01	4.3989999+02	1.7069494-02
910999999+04	2.3947048-01	4.4067999+02	1.6294943-02
911999999+04	2.2861862-01	4.4145999+02	1.5556520-02
913000000+04	2.1827221-01	4.4223999+02	1.4852491-02
914000000+04	2.0840712-01	4.4301999+02	1.4181214-02
915000000+04	1.9900034-01	4.4380000+02	1.3541123-02
915999999+04	1.9002996-01	4.4466000+02	1.2930727-02
916999999+04	1.8147529-01	4.4552000+02	1.2348618-02
918000000+04	1.7331542-01	4.4638000+02	1.1793442-02
919000000+04	1.6553463-01	4.4723999+02	1.1263924-02
110000000+05	1.5811203-01	4.4809999+02	1.0758848-02
110100000+05	1.5103148-01	4.4864864+02	1.0277047-02
110200000+05	1.4427687-01	4.4919728+02	9.8174247-03
110300000+05	1.3783281-01	4.4974592+02	9.3789333-03
110400000+05	1.3168462-01	4.5029457+02	8.9605753-03
110498700+05	1.2589286-01	4.5083607+02	8.5664712-03
110500000+05	1.2581975-01	4.5085605+02	8.5614960-03
110600000+05	1.2022873-01	4.5239226+02	8.1810514-03
110700000+05	1.1490555-01	4.5392846+02	7.8188316-03
110800000+05	1.0983644-01	4.5546468+02	7.4739005-03
110900000+05	1.0500842-01	4.5700089+02	7.1453742-03

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MIL STD 210A HOT DAY

ALT	PO	TO	PO/PSLS
1.100000+05	1.0040917-01	4.5853710+02	6.8324150-03
1.110000+05	9.6027111-02	4.6007331+02	6.5342345-03
1.120000+05	9.1851213-02	4.6160952+02	6.2500826-03
1.130000+05	8.7871100-02	4.6314573+02	5.9792528-03
1.140000+05	8.4076928-02	4.6468194+02	5.7210757-03
1.150000+05	8.0459377-02	4.6621815+02	5.4749168-03
1.160000+05	7.7009649-02	4.6775436+02	5.2401775-03
1.170000+05	7.3719388-02	4.6929057+02	5.0162893-03
1.180000+05	7.0580693-02	4.7082678+02	4.8027145-03
1.190000+05	6.7586077-02	4.7236300+02	4.5989437-03
1.200000+05	6.4728458-02	4.7389920+02	4.4044949-03
1.210000+05	6.2001111-02	4.7543541+02	4.2189106-03
1.220000+05	5.9397665-02	4.7697163+02	4.0417972-03
1.230000+05	5.6912097-02	4.7850783+02	3.8726250-03
1.240000+05	5.4538674-02	4.8004404+02	3.7111237-03
1.250000+05	5.2271988-02	4.8158026+02	3.5568854-03
1.260000+05	5.0106875-02	4.8311647+02	3.4095587-03
1.270000+05	4.8038463-02	4.8465267+02	3.2688121-03
1.280000+05	4.6062120-02	4.8618889+02	3.1343304-03
1.290000+05	4.4173450-02	4.8772510+02	3.0058145-03
1.300000+05	4.2368290-02	4.8926131+02	2.8829811-03
1.310000+05	4.0642673-02	4.9079752+02	2.7655602-03
1.320000+05	3.8992853-02	4.9233373+02	2.6532970-03
1.330000+05	3.7415250-02	4.9386994+02	2.5459478-03
1.340000+05	3.5906472-02	4.9540615+02	2.4432819-03
1.350000+05	3.4463311-02	4.9694236+02	2.3450810-03
1.360000+05	3.3082696-02	4.9847857+02	2.2511361-03
1.370000+05	3.1761728-02	5.0001478+02	2.1612498-03
1.380000+05	3.0497642-02	5.0155099+02	2.0752342-03
1.390000+05	2.9287812-02	5.0308720+02	1.9929104-03
1.400000+05	2.8129739-02	5.0462341+02	1.9141085-03
1.410000+05	2.7021047-02	5.0615962+02	1.8386658-03
1.420000+05	2.5959488-02	5.0769584+02	1.7664322-03
1.430000+05	2.4942899-02	5.0923204+02	1.6972577-03
1.440000+05	2.3969250-02	5.1076826+02	1.6310050-03
1.450000+05	2.3036591-02	5.1230446+02	1.5675416-03
1.460000+05	2.2143068-02	5.1384068+02	1.5067411-03
1.470000+05	2.1286928-02	5.1537689+02	1.4484045-03
1.480000+05	2.0466485-02	5.1691310+02	1.3926569-03
1.490000+05	1.9680150-02	5.1844931+02	1.3391501-03
1.500000+05	1.8926401-02	5.1998551+02	1.2878607-03
1.510000+05	1.8203786-02	5.2152172+02	1.2386899-03
1.520000+05	1.7510930-02	5.2305794+02	1.1915439-03
1.530000+05	1.6846515-02	5.2459415+02	1.1463333-03
1.540000+05	1.6209294-02	5.2613036+02	1.1029732-03
1.541990+05	1.6085624-02	5.2643606+02	1.0945580-03

4. CALCULATION
PROCEDURES

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4. CALCULATION PROCEDURE

Calculation instructions are presented in a series of sample calculations which have been prepared to demonstrate the suggested methods for determining engine flight performance between the tabulated flight conditions and for conditions of ram recovery, bleed-air and power extraction other than that contained in the tabulation.

4.1 SAMPLE CALCULATIONS

The sample calculations are divided into two parts, which represent different situations:

- I. **Desired:** Engine Performance
Known: Engine Power Setting and Airplane Operating Condition
 - A. General
 - B. Interpolating Mach Number
 - C. Interpolating Altitude
 - D. Interpolating Ambient Temperature
 - E. Interpolating Engine Power Setting
 - F. Interpolating for Combinations of Mach Number, Altitude and Power Setting
 - G. Correction for Ram Recovery
 - H. Correction for Bleed-air
 - I. Correction for Power Extraction
 - J. Correction for Combination of Ram Recovery, Bleed-air and Power Extraction

- II. **Desired:** Engine Power Setting
Known: Thrust Required and Engine Operating Condition
 - A. General
Engine performance may be read directly for many tabulated flight conditions.
Linear interpolation may be used to obtain engine performance between tabulated flight conditions.
However crossplotting will yield a more precise interpolation.

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B. Interpolating Mach Number

If an intermediate Mach number is desired, use linear interpolation.

Example:

Given: Power Setting (P. S. = 5.0)
Altitude 25,000 feet
Type of Day Standard
Mach Number 1.4
Ram Recovery MIL-E-5008B (.978)

From the tabulated performance:

Mo	FN	SFC	TE	PE	W2
1.2	26100	1.23	1102	111.6	398
1.5	31300	1.28	1186	146.4	520

Using linear interpolation, the performance is:

Mo	FN	SFC	TE	PE	W2
1.4	29600	1.26	1158	134.8	478

Note: Linear interpolation for performance of power settings 7.0 through 11 below Mach number equal to 1.5. At this flight speed and above, the engine speed is constant therefore introducing a discontinuity in performance across that Mach number.

C. Interpolating Altitude

If an intermediate altitude is desired, use linear interpolation as a function of ambient pressure, P0.

Example:

Given: Power Setting (P. S. = 5.0)
Altitude 30,000
Type of Day Standard
Mach Number 1.2
Ram Recovery MIL-E-5008B (.991)

From the tabulated performance:

Alt	FN	SFC	TE	PE	W2
25000	26100	1.23	1102	111.6	398
36089	18300	1.20	1041	73.5	262

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From the table of atmospheric conditions for the altitudes involved:

Altitude	P0
25000	5.45
30000	4.37
36089	3.28

Interpolating linearly as a function of P0, the performance is:

Alt	FN	SFC	TE	PE	W2
30000	22200	1.22	1072	92.6	329

D. Interpolating Ambient Temperature

If an intermediate ambient temperature is desired, use linear interpolation.

Example:

Given: Power Setting	(P. S. = 5.0)
Altitude	15,000 feet
To	475°R
Mach Number	0.5
Ram Recovery	MIL-E-5008B (1.00)

From the tabulated performance:

To	FN	SFC	TE	PE	W2
505	21400	1.19	1073	87.0	310
465	24500	1.16	1024	94.1	336

Using linear interpolation, the performance is:

To	FN	SFC	TE	PE	W2
475	23700	1.17	1036	92.3	329

Note: Linear interpolation can only be utilized providing that neither of the tabulated points is at the compressor corrected speed limit:

$$(\%RPM \times \sqrt{\frac{619}{T_2}} \leq 105.)$$

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E. Interpolating Engine Power Setting

If an intermediate engine power setting is desired, crossplot to determine the required performance. Crossplotting can only be done between power settings 7.9 to 5 and 8 to 11.

Example:

Given:	Power Setting	80% RPM (P.S. = 10.0)
	Altitude	25,000 feet
	Type of Day	Standard
	Mach Number	0.9
	Ram Recovery	MIL-E-5008B (1.00)

From the tabulated performance:

P.S.	%RPM	FN	SFC	TE	PE	W2
8.0	90	10900	1.08	953	66.7	275
9.0	85	6930	1.13	898	54.2	241
11.0	75	20	132	779	30.9	168

Plotting all parameters versus %RPM, the performance is:

P.S.	%RPM	FN	SFC	TE	PE	W2
10.0	80	3460	1.39	840	42.4	205

Performance may be obtained by linear interpolation versus %RPM if less accurate data are adequate.

F. Interpolating for Combination of Mach Number, Altitude, Engine Power Setting and Ambient Temperature

If the desired engine operating conditions are such that all of the above interpolations are required, it is possible to accomplish these interpolations in any order. This procedure is easiest and quickest if the large number of the required interpolations be done linearly. Therefore, it is recommended that the interpolations be accomplished in the following order:

- 1) Intermediate Mach Number - Linear
- 2) Intermediate Altitude - Linear Function of P0
- 3) Intermediate Ambient Temperature - Linear Function of T0
- 4) Intermediate Power Setting - Crossplot

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G. Correction for Ram Recovery

If ram recovery is other than MIL-E-5008B, read P2 and T2 for the tabulated condition:

$$P2 = (\text{Tabulated } P2) \times \frac{\text{Ram Recovery}}{\text{Ram Recovery MIL-E-5008B}}$$

Verify that this point falls within the engine operating limits as described by the P2-T2 envelope. To determine the percentage change in each parameter, multiply its correction factor (line "RAM" of the tabulation) by the difference in ram recovery (desired ram recovery minus MIL-E-5008B ram recovery).

Example:

Given:	Power Setting	(P. S. = 5.0)
	Altitude	25000 feet
	Type of Day	Standard
	Mach Number	1.5
	Ram Recovery	0.951

From the tabulated performance:

NR	P2	T2	FN	SFC	TE	PE	W2
.971	19.44	623	31300	1.28	1186	146.0	520
		RAM	1.29	-.28	.00	1.03	1.03

$P2 = (19.44) (.951/.971) = 19.05 \text{ psia}$

The point falls within the P2-T2 engine operating limit envelope.

The difference in ram recovery is:

$$\Delta NR = NR - NR_{\text{MIL-E-5008B}} = 0.951 - 0.971 = -.02$$

The percentage change in net thrust is:

$$(1.29) (-0.02) = -.0258 \text{ or } -2.58\%$$

The percentage change in each parameter is:

	FN	SFC	TE	P2	W2
% Change	-2.58	0.56		-2.06	-2.06

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Net thrust corrected for ram recovery is:

$$FN = 31300 (0.9742) = 30500 \text{ lbs.}$$

All parameters corrected for ram recovery:

FN	SFC	TE	PE	W2
30500	1.29	1186	143.0	509

If a number of interpolations are to be made to obtain engine performance and ram recovery is to be different than MIL-5008B, the ram recovery correction should be applied before interpolating. If this is not done, the ram recovery correction factors for the required flight conditions will also have to be determined by interpolation.

H. Correction for Bleed

To determine the percentage change in each parameter, multiply its correction factor (line "BLEED" of the tabulation) by WB/W2.

Example:

Given:	Power Setting	(P. S. = 5.0)
	Altitude	25,000 feet
	Type of Day	Standard
	Mach Number	1.2
	Ram Recovery	MIL-E-5008B (.991)
	WB/W2	0.02

From the tabulated performance:

NR	P2	T2	FN	SFC	TE	PE	W2
.991	13.12	554	26100	1.23	1102	111.6	398
		BLEED	-1.88	1.35	-0.25	-0.89	0.09

The percentage change in net thrust is:

$$(-1.88) (0.02) = -0.0376 \text{ or } -3.76\%$$

The percentage change in each parameter is:

	FN	SFC	TE	PE	W2
% Change	-3.76	2.70	-0.50	-1.78	0.18

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Net thrust corrected for bleed is:

$$FN = 26100 (.9624) = 25100 \text{ lbs.}$$

All parameters corrected for bleed:

FN	SFC	TE	PE	W2
25100	1.26	1096	109.6	397

$$\text{Calculate } WB = (WB/W2) (W2) = 0.02 (397) = 7.94 \text{ lbs/sec.}$$

Calculate $WB \sqrt{TE/PE}$ using parameters corrected for bleed:

$$WB \sqrt{TE/PE} = 7.94 \sqrt{1096/109.6} = 2.40$$

From the bleed port pressure ratio curve, read PTB/PE
= 0.94 for 4 bleed ports or 0.752 for 2 bleed ports.

$$PTB_{2 \text{ ports}} = (PTB/PE) (PE) = 0.752 (109.6) = 82.4 \text{ lbs/sq. in.}$$

$$PTB_{4 \text{ ports}} = (PTB/PE) (PE) = (0.94) (109.6) = 103 \text{ lbs/sq. in.}$$

If a number of interpolations are to be made to obtain engine performance and ram recovery is to be different than MIL-E-5008B, the ram recovery should be applied before interpolating. If this is not done, the ram recovery correction factors for the required flight conditions will also have to be determined by interpolation.

I. Correction for Power Extraction

To determine the percentage change in each parameter, multiply its correction (line "POWER" of the tabulation) by $HP \times 10^{-5}$.

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Example:

Given: Power Setting (P. S. = 5.0)
Altitude 25,000 feet
Type of Day Standard
Mach Number 1.2
Ram Recovery MIL-E-5008B (.991)
HP 400
WB/W2

From the tabulated performance:

NR	P2	T2	FN	SFC	TE	PE	W2
.991	13.12	554	26100	1.23	1102	111.6	398
		POWER	-0.31	0.78	0.02	0.08	-0.01

The percentage change in net thrust is:

$$(-0.31) (400 \times 10^{-5}) = -.00124 \text{ or } -0.124\%$$

The percentage change in each parameter is:

	FN	SFC	TE	PE	W2
% Change	-0.124	0.312	0.008	0.032	-0.004

Net thrust corrected for power extraction is:

$$FN = 26100 (.99876) = 26100 \text{ lbs.}$$

All parameters corrected for power extraction:

FN	SFC	TE	PE	W2
26100	1.23	1102	111.6	398

If a number of interpolations are to be made to obtain engine performance, and ram recovery is to be different than MIL-E-5008B, the ram recovery correction should be applied before interpolating. If this is not done, the ram recovery correction factors for the required flight conditions will also have to be determined by interpolation.

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J. Correction for Combination of Ram Recovery, Bleed and Power Extraction

If all the possible corrections are to be made to engine performance determined from the tabulation, the calculation may be simplified by:

1. Calculate $\Delta\eta_v$.
2. Verify that the specified bleed and/or power extraction limits are not exceeded.
3. Read correction factors for all parameters.

	FN	SFC	TE	PE	W2
RAM					
BLEED					
POWER					

4. Multiply RAM correction factors by $\Delta\eta_v$.
5. Multiply BLEED correction factors by $WB/W2$.
6. Multiply POWER correction factors by $HP \times 10^{-5}$.
7. For each parameter, algebraically add the correction factors together to determine the total percentage change due to ram recovery, bleed and power extraction.
8. Correct each parameter.

$$F_N (\text{corrected}) = F_N (1 + \text{total \% change}), \text{ etc.}$$

4.2 Calculation Aids and Engine Limits

In addition to the performance presentation of the GE4/J5G turbojet engine, certain calculation aids and engine limits are included to assist in the estimation of performance at flight conditions not tabulated.

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4.2.1 Ram Recovery

The flight performance curves and tabulations in this report are represented for MIL-E-5008B ram recovery. 1.35.
NR = 1.00-.075 (Mo-1)

4.2.2 Engine Operating Envelope

The envelope of engine operating capability is represented in both standard day altitude - Mach number form and P2-T2 form including augmentor operating limits. For design limits, refer to the P2-T2 envelope. Data are contained on pages 5-1 and 5-2.

4.2.3 Rotor Speed Schedule

Scheduled maximum percent rotor speed versus compressor inlet total temperature is included in Section 5.

4.2.4 Power Setting - Speed Schedule

A curve of percent rotor speed versus engine power setting is included in Section 3 for operation below the lockup Mach number ($M_o = 1.5$). Above the lockup Mach number, rotor speed is held constant at 100% for all power settings.

The Mach number at which rotor lockup occurs is a variable that can be changed at the customer's option. The capability of generating performance at various lockup Mach numbers (MONLU) is supplied in the estimated performance data deck with complete details of operation in the data deck instructions. The bulletin performance is produced with a lockup Mach number of 1.5.

During all operation, the self-cooling capability of the engine must be observed.

4.2.5 Bleed Port Pressure

Pressure ratio (PTB/PE) across the air bleed port versus corrected bleed flow is defined on page 4-13 for either 2 port or 4 port operation.

4.2.6 Primary Exhaust Nozzle Area Schedule

The primary exhaust nozzle throat area schedule versus engine power setting is provided for operation at power settings greater than 5. in Section 5.

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4.2.7 Turbine Exhaust Temperature Schedule

The turbine exhaust temperature versus compressor inlet total temperature is provided for operation at power settings less than 6 in Section 5. (page 5-5).

4.2.8 Reheat Fuel Schedule

The reheat fuel versus compressor discharge static pressure is provided for operation at power settings less than 5 in section 5. (page 5-6).

4.2.9 Exhaust Nozzle Secondary Flow

Corrected secondary nozzle airflow ($W_s/W_2 \sqrt{T_B/T_8}$) versus nozzle pressure ratio (P_8/P_0) is defined on page 4-16 for both augmented and non-augmented operation. The ram drag of this secondary flow is included in the nozzle performance.

4.2.10 Exhaust Nozzle

Bulletin performance is calculated utilizing a specific nozzle switch-over schedule and is denoted by BTANG being printed for each point.

To allow for variations in the calculation of boattail drag, the customer may optimize the nozzle switchover for a particular airframe and flight placard by utilization of a special feature built into the estimated performance data deck. Complete instructions for the generation of performance at desired boattail angles is included in the instructions on the estimated performance data deck operation. Exhaust areas (A_9) and boattail angles (BTANG) are as follows:

Exhaust Nozzle Area vs Boattail Angle

<u>Boattail Angle</u>	<u>A₉ Area-in. ²</u>
16°	1368
13°	1690
4°	2630
0°	3200

4.2.11 Exhaust Nozzle Data for Noise Calculations

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To more accurately predict the perceived noise level of the engine, exhaust nozzle thermodynamics conditions are provided for the normal operating mode of the engine. Tabulated exhaust nozzle data at several flight conditions are contained on page 4-14. Secondary airflow pumping characteristics of the exhaust nozzle at low altitudes and flight speed are contained on page 4-15.

4.2.12 Subsonic Low Power Performance

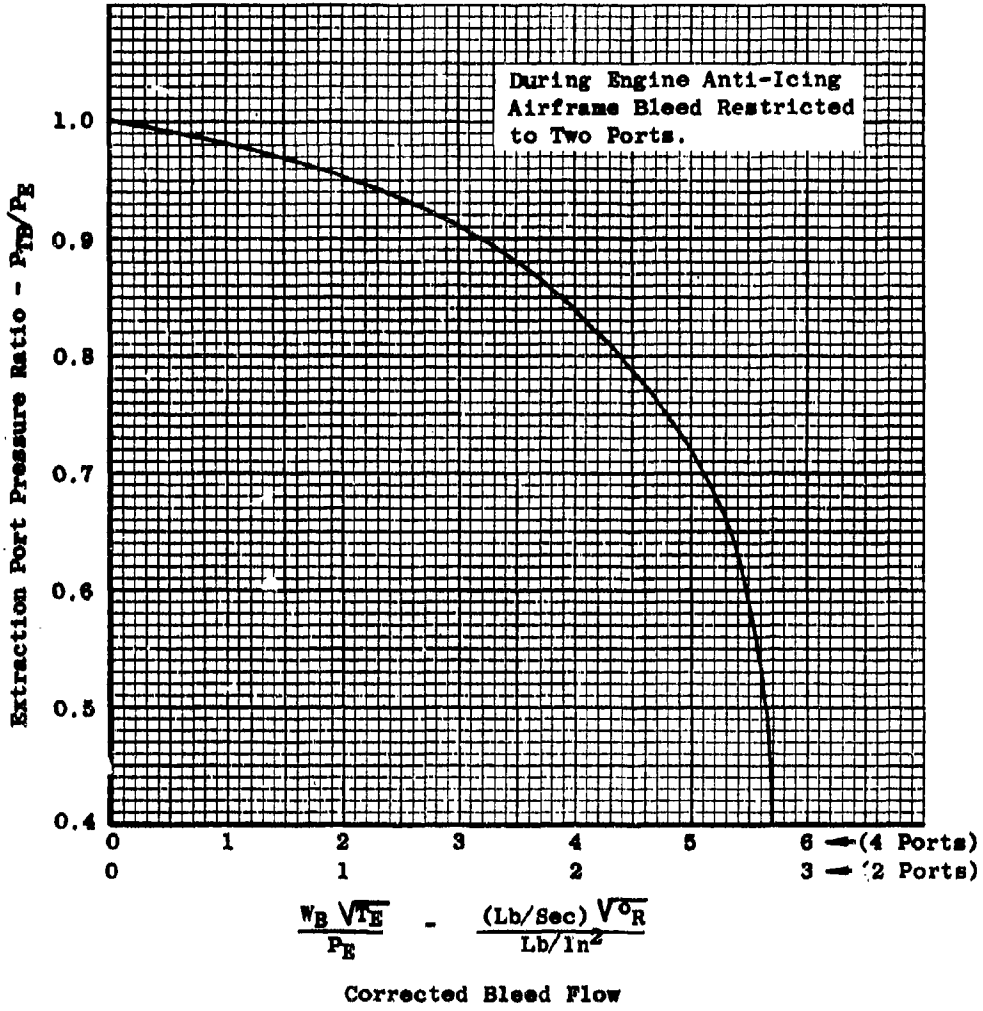
Engine has a design feature for reducing the cooling air to the turbine at low power subsonic flight conditions. Tabulated performance data and curves include this effect. Figure 4-17 shows the flight conditions at which the cooling airflow is reduced by fail-safe two position valves.

4.2.13 Error Return Indicator (ERI) Definition

<u>ERI No.</u>	<u>Definition of Limits for Tabulated Data</u>
0	No limit exceeded.
100	Rotor speed reduced to observe corrected speed limit or change in idle RPM, no limit exceeded.
1	Fuel flow reduced to observe nozzle area limit. Maximum exhaust gas temperature limit or power setting reset to 5 if minimum reheat fuel is not achieved. No limit exceeded.
19	Augmentor pressure less than design operation limit. (Para. 4.2.2.)

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BLEED PORT PRESSURE CORRECTION



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Jet Exhaust Conditions for Noise Calculations

Normal Operation

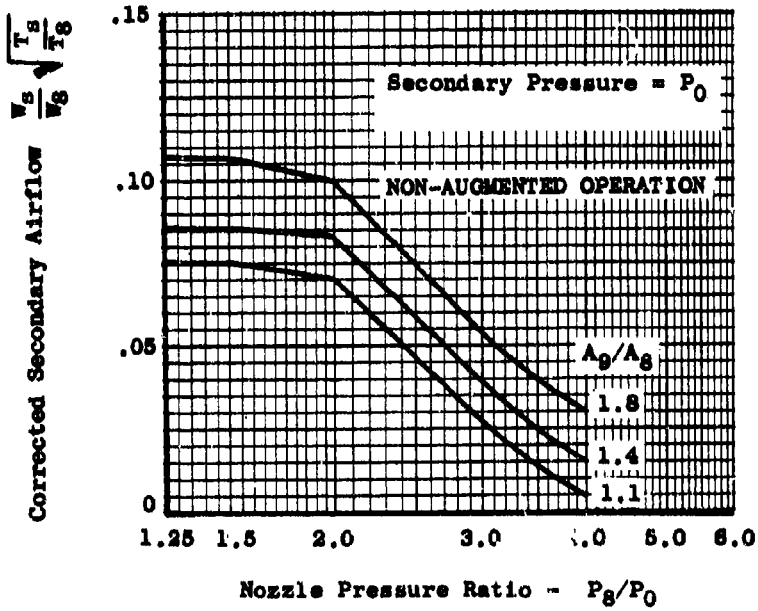
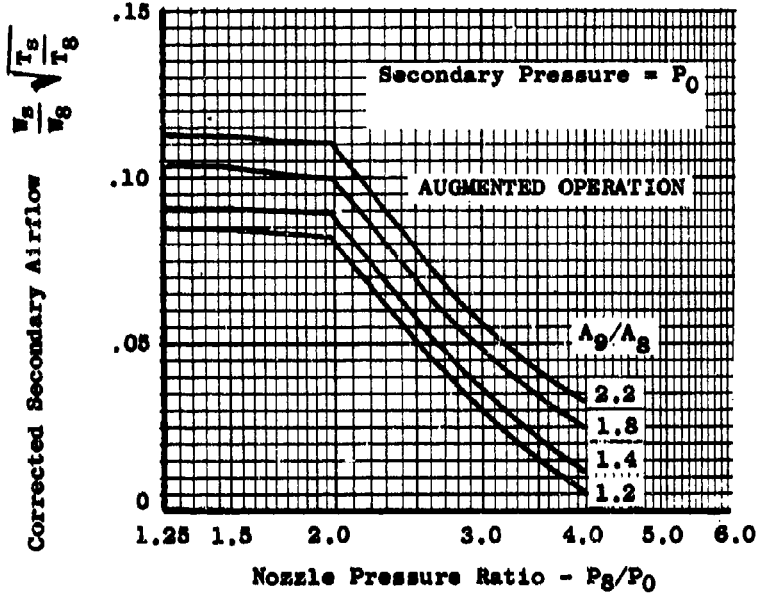
U. S. Standard Atmosphere 1962

Alt Ft	Mo	P. S.	η_R	FN lbs	FG lbs	W8 lbs/sec.	A8 ₂ in. ²	P8/P0	T8 °R
0	0	1	.95	39678	39678	465	1054	3.01	2469
0	0	5	.95	36208	36208	461	931	3.08	2059
0	0	7	.95	26214	26214	437	1045	2.36	1677
0	0	9	.95	13850	13850	343	1095	1.64	1324
0	0	11	.95	5239	5239	240	1257	1.19	1111
1000	.3	1	.97	35490	40348	482	1045	3.22	2422
1000	.3	5	.97	32704	37560	478	934	3.31	2059
1000	.3	7	.97	23776	28402	453	1045	2.53	1677
1000	.3	9	.97	11031	14648	352	1095	1.71	1297
1000	.3	11	.97	2930	5467	246	1257	1.21	1063
1500	.3	1	.97	35266	40044	475	1049	3.24	2411
1500	.3	5	.97	32302	37078	471	933	3.32	2059
1500	.3	7	.97	23440	27990	446	1045	2.53	1674
1500	.3	9	.97	10988	14559	348	1095	1.72	1296
1500	.3	11	.97	2916	5419	243	1257	1.21	1060
2000	.3	1	.97	35041	39740	468	1053	3.25	2461
2000	.3	5	.97	31904	36601	464	932	3.34	2059
2000	.3	7	.97	23110	27584	440	1045	2.54	1671
2000	.3	9	.97	10964	14488	344	1095	1.73	1297
2000	.3	11	.97	2902	5371	240	1257	1.21	1050

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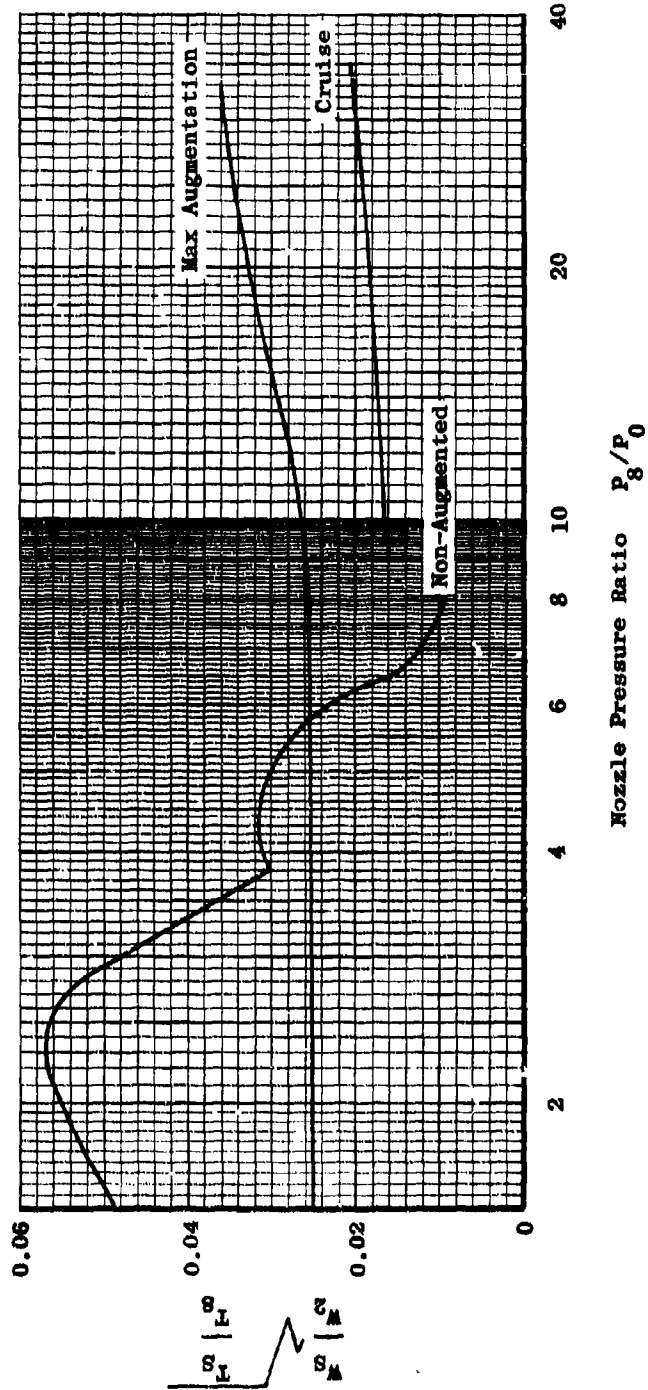
GE4/J5G

**EXHAUST NOZZLE PRELIMINARY AIR HANDLING DATA
LOW ALTITUDE AND MACH NUMBER CONDITIONS**



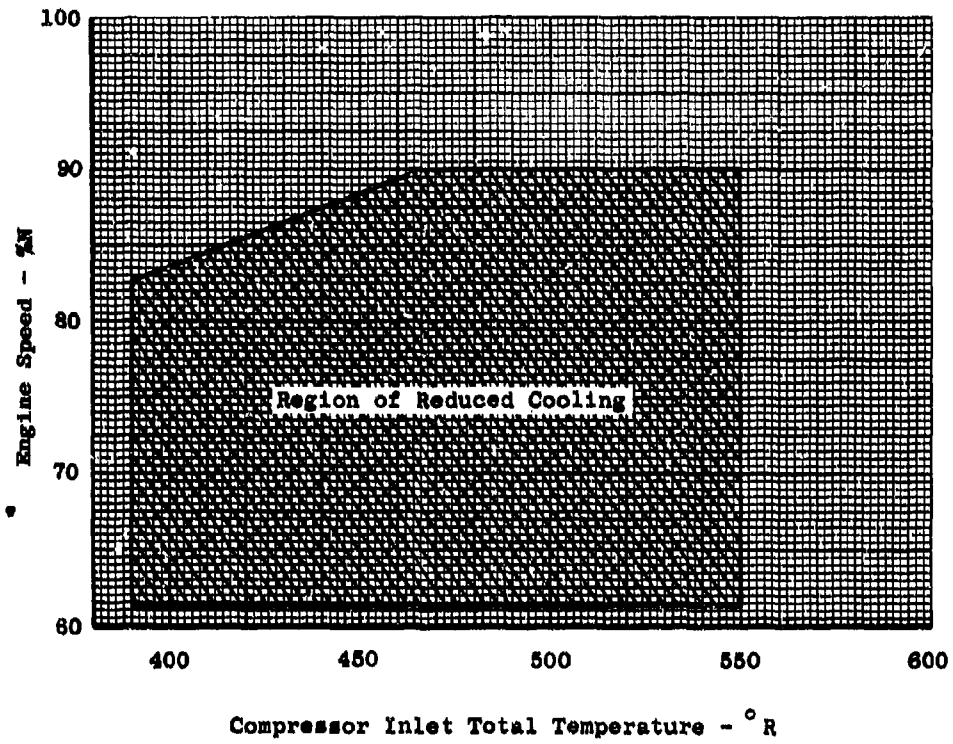
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GE4/J5G

**CORRECTED SECONDARY FLOW USED IN
CALCULATING EXHAUST NOZZLE PERFORMANCE**



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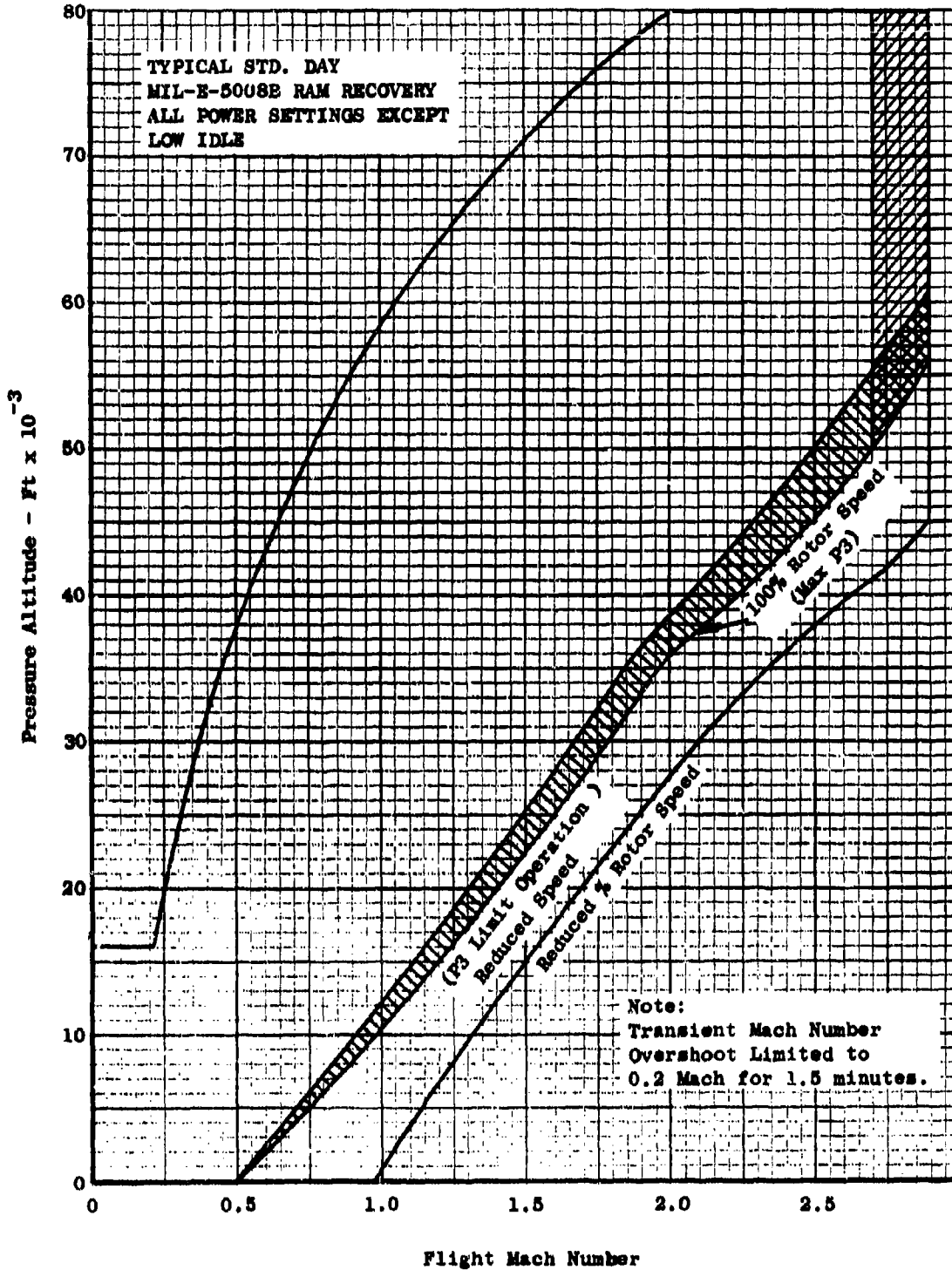
TURBINE COOLING AIR REGULATION FLIGHT LIMITS



5. ENGINE LIMITS

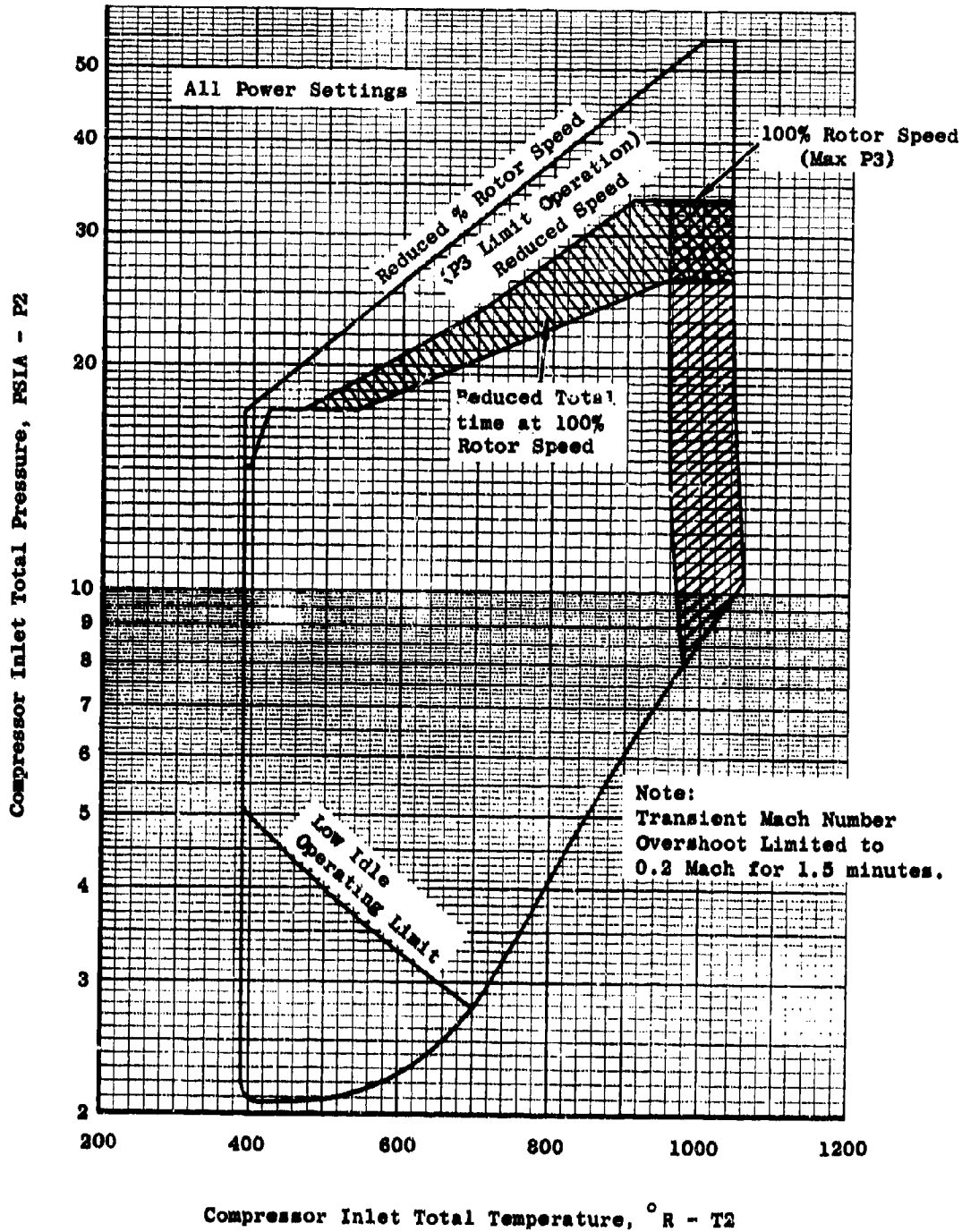
CONFIDENTIAL
GE4/J5G

5.1 ENGINE FLIGHT LIMITS



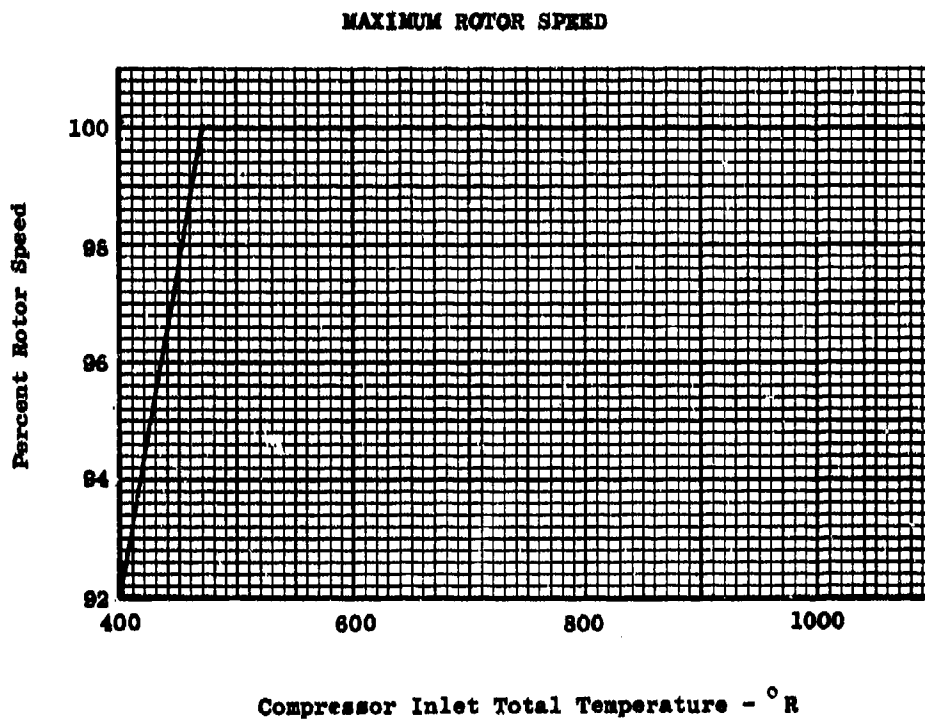
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5.1 ENGINE OPERATING LIMITS



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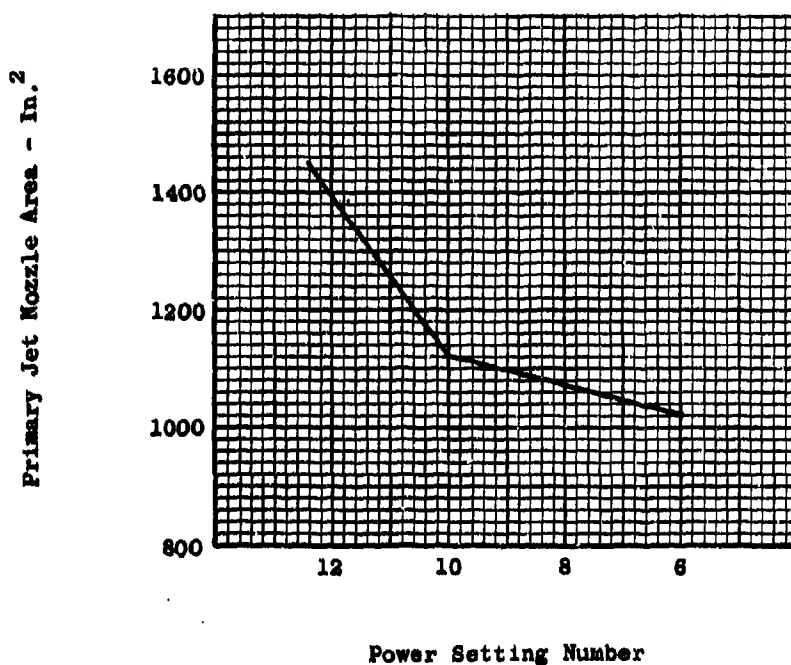
5.2 MAXIMUM ROTOR SPEED



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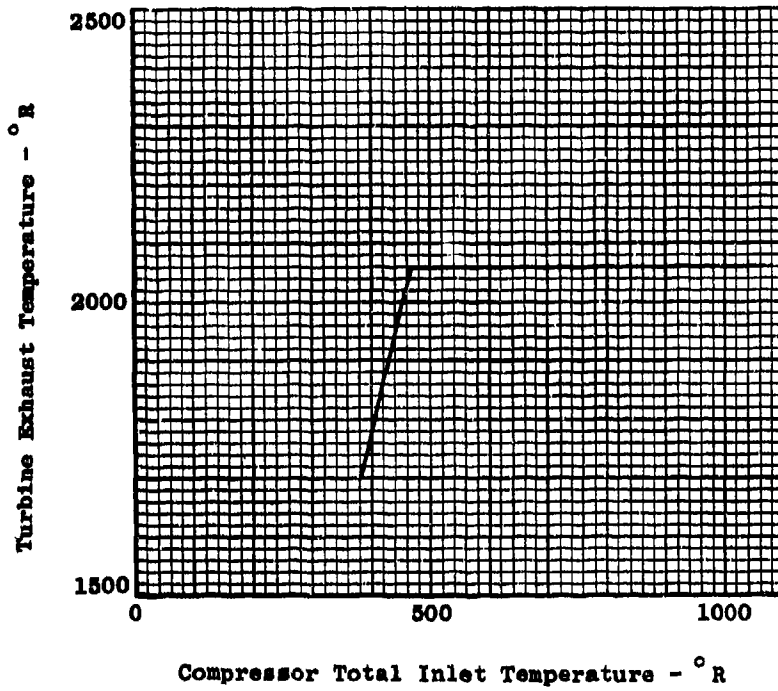
GE4/J5G

**5.3 PRIMARY JET NOZZLE AREA SCHEDULE
NON-AUGMENTED OPERATION**



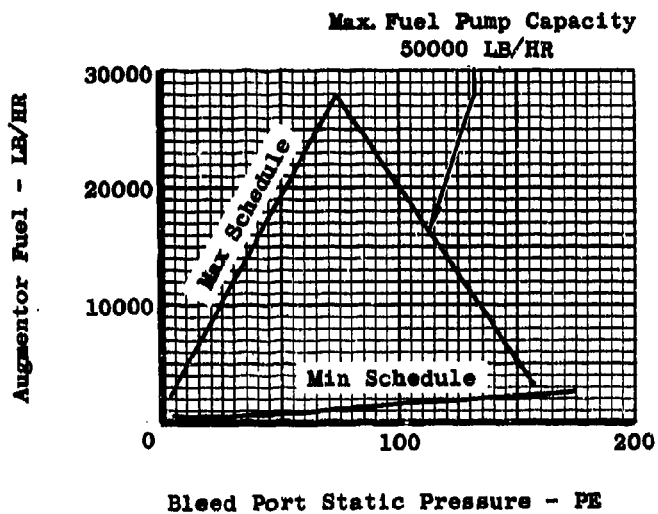
CONFIDENTIAL
GE4/J5G

5.4 TURBINE EXHAUST TEMPERATURE SCHEDULE



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GE/J5G

5.5 AUGMENTOR FUEL SCHEDULE



41 SEA LEVEL

PREVIOUS PAGE WAS BLANK, THEREFORE WAS NOT FILMED.

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

		STANDARD DAY		PRESSURE ALTITUDE		O FEET			
MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	41900	1.19	1053	131.2	475	2059
	P2 = 14.70	RAM	.00	1.07	-1.13	-.00	1.00	1.00	-.00
	T2 = 519	BLEED	.00	-1.27	1.30	-.29	-.97	.03	-.01
	ERI = 0	POWER	.00	-.53	.53	.02	.06	-.00	.00
.30	NR = 1.00	1.06	5180	37200	1.35	1065	137.3	497	2059
	P2 = 15.64	RAM	1.00	1.10	-1.17	.00	1.00	1.00	-.00
	T2 = 528	BLEED	.05	-1.45	1.49	-.27	-.94	.05	-.00
	ERI = 0	POWER	-.00	-.50	.50	.01	.05	-.00	.00
.60	NR = 1.00	1.28	11800	37800	1.32	1101	156.7	567	2059
	P2 = 18.75	RAM	1.00	1.02	-1.07	.00	1.00	1.00	.00
	T2 = 556	BLEED	.08	-1.55	1.58	-.26	-.89	.08	.01
	ERI = 0	POWER	-.01	-.45	.46	.02	.07	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 0 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	3.17	50000	2397	1036	42300	42300	1.18	475	13.0
	RAM	1.02	.00	-.60	-.35	1.07	1.07	-1.13	.00	.00
	BLEED	-1.41	.00	.41	.66	-1.27	-1.27	1.30	.03	.00
	POWER	-1.11	-.00	-.20	.98	-.53	-.53	.53	-.00	.00
.30	1.06	3.30	50000	2340	1026	44400	39200	1.28	471	13.0
	RAM	1.02	.00	-.62	-.36	1.04	1.05	-1.11	.00	.00
	BLEED	-1.43	.00	.41	.70	-1.24	-1.41	1.44	.05	.00
	POWER	-1.06	.00	-.20	.92	-.49	-.56	.56	-.00	.00
.60	1.28	3.71	50000	2175	1001	51500	39700	1.26	460	13.0
	RAM	1.02	-.00	-.66	-.38	.99	.98	-1.04	-.00	.00
	BLEED	-1.37	.00	.38	.66	-1.15	-1.51	1.55	.08	.00
	POWER	-.88	.00	-.20	.75	-.40	-.51	.52	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

		STANDARD DAY	PRESSURE ALTITUDE		0 FEET				
MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	42000	1.19	1054	131.7	475	2059
	P2 = 14.70	RAM	.00	1.07	-1.13	.00	1.00	1.00	-.00
	T2 = 519	BLEED	.00	-1.26	1.28	-.31	-.96	.03	-.01
	ERI = 0	POWER	.00	-.52	.53	.02	.06	-.00	.00
.30	NR = 1.00	1.06	5180	37200	1.34	1066	137.8	497	2059
	P2 = 15.64	RAM	1.00	1.10	-1.17	.00	1.00	1.00	-.00
	T2 = 528	BLEED	.05	-1.45	1.48	-.28	-.95	.05	-.01
	ERI = 0	POWER	-.00	-1.50	.50	.02	.05	-.00	.00
.60	NR = 1.00	1.28	11800	37800	1.32	1102	157.1	567	2059
	P2 = 18.75	RAM	1.00	1.02	-1.07	-.00	1.00	1.00	-.00
	T2 = 556	BLEED	.09	-1.55	1.58	-.26	-.89	.09	.00
	ERI = 0	POWER	-.01	-.45	.46	.02	.06	-.01	.00

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GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	3.18	50000	2398	1031	42400	42400	1.18	475	13.0
	RAM	1.02	.00	-.60	+.35	1.07	1.07	-1.13	.00	.00
	BLEED	-1.38	.00	.41	.63	-1.26	-1.26	1.28	.03	.00
	POWER	-1.11	.00	-.19	.98	-.52	-.52	.53	-.00	.00
.30	1.06	3.32	50000	2340	1022	44400	39300	1.27	471	13.0
	RAM	1.02	.00	-.62	+.36	1.04	1.05	-1.10	.00	.00
	BLEED	-1.42	.00	.41	.69	-1.23	-1.40	1.43	.05	.00
	POWER	-1.06	.00	-.20	.92	-.49	-.56	.56	-.00	.00
.60	1.28	3.72	50000	2175	996	51600	39800	1.26	460	13.0
	RAM	1.02	.00	-.66	+.38	.99	.98	-1.03	.00	.00
	BLEED	-1.38	.00	.38	.67	-1.15	-1.51	1.55	.09	.00
	POWER	-.88	.00	-.20	.75	-.40	-.51	.52	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

		STANDARD DAY	PRESSURE ALTITUDE				0 FEET		
MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	42100	1.19	1056	132.1	475	2059
	P2 = 14.70	RAM	.00	1.06	-1.12	.00	1.00	1.00	-.00
	T2 = 519	BLEED	.00	-1.24	1.27	-.32	-.96	.03	-.01
	ERI = 0	POWER	.00	-1.52	.53	.02	.05	-.00	-.01
.30	NR = 1.00	1.06	5170	37300	1.34	1067	138.2	497	2059
	P2 = 15.64	RAM	1.00	1.10	-1.17	.00	1.00	1.00	-.00
	T2 = 528	BLEED	.04	-1.44	1.47	-.29	-.94	.04	-.00
	ERI = 0	POWER	-.00	-1.49	.50	.02	.05	-.00	.00
.60	NR = 1.00	1.28	11800	37900	1.32	1103	157.6	566	2059
	P2 = 18.75	RAM	1.00	1.01	-1.07	.00	1.00	1.00	-.00
	T2 = 556	BLEED	.09	-1.55	1.58	-.26	-.89	.09	-.00
	ERI = 0	POWER	-.01	-.45	.46	.02	.06	-.01	.00

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GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	3.20	50000	2398	1027	42500	42500	1.18	475	13.0
	RAM	1.02	.00	-.60	-.35	1.06	1.06	-1.12	.00	.00
	BLEED	-1.35	-.00	.41	.60	-1.24	-1.24	1.27	.03	.00
	POWER	-1.11	-.00	-.19	.98	-.52	-.52	.53	-.00	.00
.30	1.06	3.33	50000	2341	1018	44500	39300	1.27	471	13.0
	RAM	1.02	.00	-.62	-.36	1.04	1.04	-1.10	.00	.00
	BLEED	-1.38	.00	.42	.65	-1.21	-1.38	1.41	.04	.00
	POWER	-1.05	.00	-.20	.92	-.49	-.55	.56	-.00	.00
.60	1.28	3.74	50000	2176	991	51700	39900	1.25	460	13.0
	RAM	1.02	-.00	-.66	-.38	.98	.98	-1.03	.00	.00
	BLEED	-1.38	.00	.38	.67	-1.14	-1.51	1.54	.09	.00
	POWER	-.88	.00	-.20	.75	-.39	-.51	.52	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.L. 4.0

OCTOBER 1964

		STANDARD DAY	PRESSURE ALTITUDE		0 FEET				
MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	39300	1.04	1057	132.5	475	2059
	R2 = 14.70	RAM	.00	1437	-.39	.00	1.00	1.00	.00
	T2 = 519	BLEED	.00	-1.44	.81	-.33	-.96	.03	.00
	ERI = 0	POWER	.00	-140	.78	.02	.06	-.00	.00
.30	NR = 1.00	1.06	5170	34400	1.24	1068	138.6	497	2059
	P2 = 15.64	RAM	1.00	1457	-.62	.00	1.00	1.00	-.00
	T2 = 528	BLEED	.04	-1173	1.13	-.30	-.94	.04	-.00
	ERI = 0	POWER	-.00	-122	.58	.02	.05	-.00	.00
.60	NR = 1.00	1.28	11800	36900	1.30	1104	158.1	566	2059
	P2 = 18.75	RAM	1.00	1455	-.60	.00	1.00	1.00	-.00
	T2 = 556	BLEED	.09	-1185	1.29	-.26	-.89	.09	-.01
	ERI = 0	POWER	-.01	-.23	.55	.01	.06	-.01	.00

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GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FN8	SFC8	W2K	BTANG
.00	1.00	3.22	41034	2111	951	39700	39700	1.03	475	13.0
	RAM	1.00	1.00	.00	.00	1.37	1.37	-.39	.00	.00
	BLEED	-1.28	-.65	-.00	.31	-1.44	-1.44	.81	.03	.00
	POWER	-1.10	.37	.00	1.08	-.40	-.40	.78	-.00	.00
.30	1.06	3.36	42683	2111	955	42100	37000	1.15	471	13.0
	RAM	1.00	1.00	.00	.00	1.35	1.40	-.43	.00	.00
	BLEED	-1.32	-.64	-.00	.36	-1.42	-1.63	1.02	.04	.00
	POWER	-1.05	.36	.00	1.03	-.37	-.42	.78	-.00	.00
.60	1.28	3.76	47844	2111	970	50900	39100	1.22	460	13.0
	RAM	1.00	1.00	.00	.00	1.32	1.41	-.44	.00	.00
	BLEED	-1.38	-.59	-.01	.46	-1.35	-1.78	1.23	.09	.00
	POWER	-.89	.32	.00	.87	-.28	-.37	.69	-.01	.00

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GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

		STANDARD DAY		PRESSURE ALTITUDE			0 FEET		
MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	38900	1.01	1058	133.1	475	2059
	P2 = 14.70	RAM	.00	1436	-.39	.00	1.00	1.00	-.00
	T2 = 519	BLEED	.00	-1443	.82	-.33	-.95	.03	.00
	ERI = 0	POWER	.00	-.40	.79	.02	.06	-.00	.00
.30	NR = 1.00	1.06	5170	35100	1.16	1070	139.3	497	2059
	P2 = 15.64	RAM	1.00	1450	-.54	.00	1.00	1.00	-.00
	T2 = 528	BLEED	.04	-1471	1.13	-.32	-.94	.04	.00
	ERI = 0	POWER	-.00	-.42	.80	.02	.05	-.00	.00
.60	NR = 1.00	1.28	11800	37300	1.23	1105	158.8	566	2059
	P2 = 18.75	RAM	1.00	1449	-.53	.00	1.00	1.00	.00
	T2 = 556	BLEED	.09	-1487	1.34	-.26	-.89	.09	-.01
	ERI = 0	POWER	-.00	-.437	.70	.01	.06	-.00	.00

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GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	3.25	39281	2059	931	39300	39300	1.00	475	16.0
	RAM	1.00	1.00	-.00	.00	1.36	1.36	-.39	.00	.00
	BLEED	-1.27	-.63	.00	.30	-1.43	-1.43	.82	.03	.00
	POWER	-1.09	.38	.00	1.07	-.40	-.40	.79	-.00	.00
.30	1.06	3.38	40845	2059	936	41700	36500	1.12	471	16.0
	RAM	1.00	1.00	-.00	-.00	1.35	1.40	-.43	.00	.00
	BLEED	-1.27	-.61	.00	.31	-1.40	-1.60	1.01	.04	.00
	POWER	-1.04	.37	.00	1.02	-.37	-.42	.79	-.00	.00
.60	1.28	3.79	45724	2059	949	50300	38500	1.19	459	16.0
	RAM	1.00	1.00	.00	+.00	1.31	1.41	-.44	.00	.00
	BLEED	-1.37	-.57	-.01	.45	-1.34	-1.78	1.25	.09	.00
	POWER	-.89	.33	.00	.87	-.28	-.37	.70	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.0

OCTOBER 1964

		STANDARD DAY		PRESSURE ALTITUDE		0 FEET			
MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	28400	.94	1011	115.3	452	1671
	P2 = 14.70	RAM	.00	1453	-.69	-.01	.97	1.00	-.07
	ERI = 519	POWER	.00	1448	1.98	-.20	-.68	-.06	1.88
.30	NR = 1.00	1.06	4930	25700	1.09	1024	121.0	473	1680
	P2 = 15.64	RAM	1.00	1458	-.75	-.01	.97	1.00	-.07
	T2 = 528	BLEED	.06	-1109	1.63	-.20	-.63	.06	.65
	ERI = 0	POWER	-.06	1.66	1.59	.19	.76	-.06	1.73
.60	NR = 1.00	1.28	11200	26900	1.18	1060	138.0	537	1701
	P2 = 18.75	RAM	1.00	1458	-.75	-.01	.97	1.00	-.08
	T2 = 556	BLEED	.06	-1223	1.82	-.20	-.63	.06	.66
	ERI = 0	POWER	-.05	1.64	1.25	.16	.66	-.05	1.51

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GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

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OCTOBER 1964

	STANDARD DAY			PRESSURE ALTITUDE				0 FEET		
MO	P2/P0	P8/P0	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.00	1.00	2.47	26810	1671	1045	29700	29700	.90	452	16.0
	RAM	.92	.90	-.07	+.00	1.41	1.41	-.56	.00	.00
	BLEED	-.56	.51	.65	.02	-.87	-.87	1.40	.06	.00
	POWER	.90	3.45	1.82	.00	1.37	1.37	2.03	-.06	.00
.30	1.06	2.59	28092	1680	1045	31900	26900	1.04	449	16.0
	RAM	.91	.89	-.07	+.00	1.39	1.46	-.61	.00	.00
	BLEED	-.56	.52	.65	.02	-.85	-1.02	1.56	.06	.00
	POWER	.85	3.29	1.73	+.00	1.28	1.52	1.72	-.06	.00
.60	1.28	2.93	31748	1701	1045	39200	28000	1.13	436	16.0
	RAM	.91	.88	-.08	+.00	1.33	1.45	-.62	.00	.00
	BLEED	-.55	.56	.66	.01	-.80	-1.15	1.74	.06	.00
	POWER	.74	2.92	1.51	+.00	1.07	1.52	1.36	-.05	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.0

OCTOBER 1964

	STANDARD DAY	PRESSURE ALTITUDE	0 FEET						
MO	P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.00	NR = 1.00	1.00	0	23100	.92	974	102.3	421	1514
	P2 = 14.70	RAM	.00	1.55	-.68	-.00	.98	1.00	-.05
	T2 = 519	BLEED	.00	-.99	1.50	-.20	-.66	.05	.61
	ERI = 0	POWER	.00	1.83	2.30	.24	.94	-.07	2.13
.30	NR = 1.00	1.06	4540	19900	1.09	983	105.8	436	1509
	P2 = 15.64	RAM	1.00	1.71	-.88	-.01	.98	1.00	-.06
	T2 = 528	BLEED	.04	-1.23	1.87	-.19	-.64	.04	.67
	ERI = 0	POWER	-.07	2.25	1.89	.24	.94	-.07	2.13
.60	NR = 1.00	1.28	9980	18800	1.21	1007	115.6	479	1493
	P2 = 18.75	RAM	1.00	1.85	-1.05	-.01	.98	1.00	-.06
	T2 = 556	BLEED	.04	-1.57	2.17	-.20	-.67	.04	.62
	ERI = 0	POWER	-.04	2.37	1.44	.19	.86	-.04	1.87

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GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

F.S. 7.9

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	16.00	2.15	21242	1514	1067	24300	24300	.87	421	16.0
	RAM	.94	.92	-.05	+.01	1.53	1.53	-.66	.00	.00
	BLEED	-.62	.49	.61	.03	-.99	-.99	1.50	.05	.00
	POWER	1.00	4.18	2.13	.05	1.67	1.67	2.46	-.07	.00
.30	16.06	2.21	21684	1509	1068	25600	21100	1.03	413	16.0
	RAM	.93	.91	-.06	+.00	1.49	1.60	-.75	.00	.00
	BLEED	-.56	.60	.67	+.01	-.91	-1.12	1.75	.04	.00
	POWER	1.05	4.20	2.13	.00	1.67	2.05	2.10	-.07	.00
.60	16.28	2.41	22735	1493	1068	29800	19800	1.15	389	16.0
	RAM	.92	.90	+.06	+.00	1.44	1.65	-.82	.00	.00
	BLEED	-.59	.55	.62	+.01	-.93	-1.42	2.02	.04	.00
	POWER	.95	3.86	1.87	+.00	1.45	2.20	1.62	-.04	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. R-0

OCTOBER 1964

		STANDARD DAY	PRESSURE ALTITUDE		0 FEET				
MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	20900	.86	974	101.5	415	1387
	P2 = 14.70	RAM	.00	1152	-.81	-.01	.95	1.00	-.14
	T2 = 519	BLEED	.00	-.96	1.65	-.21	-.63	.06	.65
	ERI = 0	POWER	.00	1186	2.67	.25	1.00	-.08	2.25
.30	NR = 1.00	1.06	4460	17500	1.05	982	104.7	429	1383
	P2 = 15.64	RAM	1.00	1468	-.89	-.01	.97	1.00	-.08
	T2 = 528	BLEED	.06	-1129	1.90	-.22	-.66	.06	.58
	ERI = 0	POWER	-.07	2126	2.18	.25	.99	-.07	2.17
.60	NR = 1.00	1.28	9790	17600	1.22	999	112.3	470	1463
	P2 = 18.75	RAM	1.00	1190	-1.10	-.01	.98	1.00	-.06
	T2 = 556	BLEED	.03	-1.66	2.24	-.20	-.68	.03	.59
	ERI = 0	POWER	-.04	2.58	1.39	.20	.89	-.04	1.92

CONFIDENTIAL

GENERAL ELECTRIC G84/J56 ESTIMATED PERFORMANCE

P.9. 8.0

OCTOBER 1964

MO	STANDARD DAY				PRESSURE ALTITUDE			0 FEET		
	P2/PO	PE/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	11.00	2.02	18045	1387	1070	22000	22000	.82	415	16.0
	RAM	.81	.77	-.14	+.01	1.46	1.46	-.74	.00	.00
	BLEED	-.51	.67	.65	-.05	-.93	-.93	1.62	.06	.00
	POWER	1.16	4.60	2.25	+.06	1.86	1.86	2.67	-.08	.00
.30	1.04	2.07	18338	1383	1070	23100	18600	.98	406	16.0
	RAM	.89	.86	-.08	.00	1.51	1.63	-.84	.00	.00
	BLEED	-.59	.57	.58	+.00	-1.00	-1.25	1.86	.06	.00
	POWER	1.10	4.51	2.17	+.03	1.77	2.21	2.23	-.07	.00
.60	11.28	2.33	21532	1463	1070	28500	18700	1.15	382	16.0
	RAM	.92	.91	-.06	+.00	1.46	1.69	-.86	.00	.00
	BLEED	-.60	.53	.59	-.01	-.97	-1.49	2.07	.03	.00
	POWER	.98	4.02	1.92	+.01	1.51	2.32	1.64	-.04	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.L.S. 9.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 0 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	14100	.88	917	82.0	357	1225
	P2 = 14.70	RAM	.00	1.53	-1.14	-.03	.89	1.00	-.30
	T2 = 519	BLEED	.00	-1.06	2.00	-.19	-.63	.02	.74
	ERI = 0	POWER	.00	2.36	3.24	.27	1.22	-.03	2.50
.30	NR = 1.00	1.06	3830	10800	1.14	923	83.7	367	1209
	P2 = 15.64	RAM	1.00	1.72	-1.35	-.03	.89	1.00	-.29
	T2 = 528	BLEED	.02	-1.49	2.44	-.20	-.64	.02	.71
	ERI = 0	POWER	-.03	3.23	2.50	.27	1.23	-.03	2.51
.60	NR = 1.00	1.28	8270	9360	1.45	935	87.5	397	1245
	P2 = 18.75	RAM	1.00	2.11	-1.66	-.01	.92	1.00	-.21
	T2 = 556	BLEED	.01	-1.95	3.04	-.14	-.62	.01	.78
	ERI = 0	POWER	-.02	4.13	1.19	.18	1.12	-.02	2.28

CONFIDENTIAL

GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	14.00	1.85	12471	1225	1095	15200	15200	.82	357	16.0
	RAM	.62	.47	-.30	-.01	1.43	1.43	-1.03	.00	.00
	BLEED	-.43	.91	.74	-.00	-.99	-.99	1.92	.02	.00
	POWER	.97	5.67	2.50	.00	2.18	2.18	3.42	-.03	.00
.30	13.04	1.68	12340	1209	1095	15800	11900	1.03	348	16.0
	RAM	.63	.48	-.29	+.00	1.42	1.56	-1.17	.00	.00
	BLEED	-.45	.89	.71	.00	-1.01	-1.34	2.28	.02	.00
	POWER	1.00	5.82	2.51	-.01	2.19	2.90	2.83	-.03	.00
.60	11.28	1.81	13541	1245	1095	18700	10500	1.29	322	16.0
	RAM	.72	.62	-.21	.00	1.45	1.81	-1.31	.00	.00
	BLEED	-.45	1.00	.78	+.02	-.93	-1.68	2.75	.01	.00
	POWER	1.02	5.37	2.28	+.02	1.98	3.56	1.75	-.02	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

		STANDARD DAY	PRESSURE ALTITUDE				0 FEET		
MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	5300	1.16	814	51.7	250	1020
	P2 = 14.70	RAM	.00	1.24	-1.78	-.07	.70	1.00	-.72
	T2 = 519	BLEED	.00	-.99	2.50	-.17	-.57	.01	.91
	ERI = 0	POWER	.00	3.51	6.00	.39	1.89	-.02	3.54
.30	NR = 1.00	1.06	2690	2800	2.12	819	52.6	258	995
	P2 = 15.64	RAM	1.00	1.50	-2.12	-.06	.72	1.00	-.70
	T2 = 528	BLEED	.01	-2.05	3.68	-.18	-.58	.01	.88
	ERI = 0	POWER	-.02	7.06	2.95	.41	1.92	-.02	3.57
.60	NR = 1.00	1.28	5870	660	8.82	831	54.5	282	979
	P2 = 18.75	RAM	1.00	4.14	-5.80	-.05	.74	1.00	-.63
	T2 = 556	BLEED	.01	-10.94	14.97	-.17	-.60	.01	.83
	ERI = 0	POWER	-.02	34.41	-20.21	.35	1.84	-.02	3.45

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.9.11.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	1.19	6171	1020	1258	5870	5870	1.05	250	13.0
	RAM	.20	-.43	-.72	.03	1.20	1.20	-1.74	.00	.00
	BLEED	-.16	1.47	.91	-.03	-.96	-.96	2.46	.01	.00
	POWER	.58	9.61	3.54	.07	3.41	3.41	6.09	-.02	.00
.30	1.06	1.20	5925	995	1258	6070	3380	1.75	245	13.0
	RAM	.21	-.46	-.70	.02	1.22	1.40	-2.00	.00	.00
	BLEED	-.18	1.51	.88	-.01	-1.02	-1.83	3.44	.01	.00
	POWER	.63	10.12	3.57	.01	3.51	6.32	3.68	-.02	.00
.60	1.28	1.23	5855	979	1258	7200	1330	4.40	229	13.0
	RAM	.26	-.43	-.63	.01	1.29	2.55	-3.42	.00	.00
	BLEED	-.22	1.58	.83	.01	-1.08	-5.87	8.17	.01	.00
	POWER	.71	10.51	3.45	-.03	3.39	18.46	-7.24	-.02	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 13.8

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

MO		P2/PO	FD	FN	WFT	TE	PE	W2
.00	NR = 1.00	1.00	0	1900	4405	703	30.5	152
	P2 = 14.7	RAM	.00	.56	-1.40	-.17	.40	1.01
	T2 = 519	BLEED	.00	-.46	1.35	-.18	-.45	.01
	ERI = 0	POWER	.00	8.43	19.08	1.01	3.68	-.06
.30	NR = 1.00	1.06	1630	290	4026	704	30.8	157
	P2 = 15.64	RAM	1.01	-.43	-1.54	-.18	.40	1.01
	T2 = 528	BLEED	.01	-7.74	1.21	-.20	-.51	.01
	ERI = 0	POWER	-.06	82.81	21.50	1.12	4.01	-.06
.60	NR = 1.00	1.28	3680	-1570	2948	712	31.9	177
	P2 = 18.75	RAM	1.01	1.03	-1.81	-.13	.47	1.01
	T2 = 556	BLEED	.01	1.66	1.58	-.20	-.55	.01
	ERI = 0	POWER	-.04	-9.34	23.82	.78	3.27	-.04

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.13.8

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 0 FEET

MO	P2/PO	TC	P8/PO	T8	PCN	FGB	FNB	W2K	BTANG
.00	1.00	1101	1.06	1101	61.0	2060	2060	152	13.0
	RAM	-1.30	.02	-1.30	.00	.56	.56	.01	.00
	BLEED	1.07	-.00	1.07	.00	-.46	-.46	.01	.00
	POWER	8.29	.45	8.29	.00	8.38	8.38	-.06	.00
.30	1.06	1043	1.06	1043	61.0	2090	450	149	13.0
	RAM	-1.29	.04	-1.29	.00	.79	-.01	.01	.00
	BLEED	.92	-.07	.92	.00	-1.15	-5.34	.01	.00
	POWER	8.80	.86	8.80	.00	12.31	57.04	-.06	.00
.60	1.28	892	1.06	892	61.0	2290	-1390	143	13.0
	RAM	-1.10	.06	-1.10	.00	.98	1.05	.01	.00
	BLEED	.80	-.07	.80	.00	-1.21	2.01	.01	.00
	POWER	7.12	.38	7.12	.00	6.83	-11.34	-.04	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.16.0

OCTOBER 1964

		STANDARD DAY	PRESSURE ALTITUDE		0 FEET			
MO		P2/P0	FD	FN	WFT	TE	PE	W2
.00	NR = 1.00	1.00	0	870	3124	617	21.8	.99
	P2 = 14.70	RAM	.00	.73	-2.12	-.22	.18	1.06
	T2 = 519	BLEED	.00	-1.80	1.03	-.12	-.31	.03
	ERI = 0	POWER	.00	10.55	40.56	1.26	4.70	-.36
.30	NR = 1.00	1.06	1090	-210	2750	620	22.0	1.05
	P2 = 15.64	RAM	1.07	2.74	-2.24	-.18	.20	1.07
	T2 = 528	BLEED	.03	4.11	1.57	-.08	-.25	.03
	ERI = 0	POWER	-.42	-87.08	43.71	.91	4.82	-.42
.60	NR = 1.00	1.28	2540	-1620	1549	628	22.3	1.22
	P2 = 18.75	RAM	1.06	1.63	-4.89	-.21	.12	1.06
	T2 = 556	BLEED	.02	.13	2.58	-.10	-.26	.02
	ERI = 0	POWER	-.31	-28.38	78.30	1.25	6.17	-.31

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.16.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

MO	P2/P0	TC	P8/P0	T8	PCN	FG8	FNB	W2K	BTANG
.00	1.00	1144	1.03	1144	45.0	940	940	99	13.0
	RAM	-1.79	.03	-1.79	.00	.72	.72	.06	.00
	BLEED	1.01	-.07	1.01	.00	-1.80	-1.80	.03	.00
	POWER	19.65	.04	19.65	.00	10.54	10.54	-.36	.00
.30	1.06	1051	1.03	1051	45.0	960	-130	99	13.0
	RAM	-1.71	.02	-1.71	.00	.67	3.98	.07	.00
	BLEED	1.18	-.03	1.18	.00	-.92	7.09	.03	.00
	POWER	19.30	.53	19.30	.00	19.94	150.33	-.42	.00
.60	1.28	809	1.03	809	45.0	990	-1540	99	13.0
	RAM	-1.96	-.00	-1.96	.00	.06	1.71	.06	.00
	BLEED	1.04	.02	1.04	.00	-.16	.15	.02	.00
	POWER	21.77	1.98	21.77	.00	49.36	-32.29	-.31	.00

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CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

MO		R2/PO	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	38600	1.30	1104	122.2	442	2059
	P2 = 14.70	RAM	.00	1106	-1.12	-.00	1.00	1.00	.00
	T2 = 559	BLEED	.00	-1125	1.28	-.26	-.89	.09	.01
	ERI = 0	POWER	.00	-.60	.61	.02	.08	-.01	.00
.30	NR = 1.00	1.06	4990	34000	1.47	1116	127.6	462	2059
	P2 = 15.64	RAM	1.00	1116	-1.23	.00	1.00	1.00	.00
	T2 = 569	BLEED	.09	-1149	1.53	-.26	-.89	.09	-.00
	ERI = 0	POWER	-.01	-.55	.56	.02	.08	-.01	-.00
.60	NR = 1.00	1.28	11400	34600	1.44	1154	145.5	526	2059
	P2 = 18.75	RAM	1.00	1112	-1.18	.00	1.00	1.00	.00
	T2 = 599	BLEED	.09	-1166	1.70	-.26	-.89	.09	.00
	ERI = 0	POWER	-.01	-.54	.55	.02	.07	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY # 40 F PRESSURE ALTITUDE 0 FEET

MO	P2/P0	P8/P0	MFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.00	1.00	2.87	50000	2524	1095	39000	39000	1.28	459	13.0
	RAM	1.03	.00	-.70	+.48	1.06	1.06	-1.12	-.00	.00
	BLEED	-1.37	.00	.41	.77	-1.25	-1.25	1.28	.09	.00
	POWER	-1.14	.00	-.21	1.05	-.60	-.60	.61	-.01	.00
.30	1.06	2.99	50000	2471	1083	40900	35900	1.39	454	13.0
	RAM	1.02	.00	-.60	+.42	1.09	1.10	-1.17	.00	.00
	BLEED	-1.37	.00	.34	.73	-1.26	-1.45	1.48	.09	.00
	POWER	-1.09	.00	-.19	1.02	-.55	-.62	.63	-.01	.00
.60	1.28	3.35	50000	2313	1058	47800	36500	1.37	443	13.0
	RAM	1.02	.00	-.61	+.35	1.04	1.06	-1.11	-.00	.00
	BLEED	-1.37	-.00	.35	.64	-1.19	-1.60	1.63	.09	.00
	POWER	-.96	-.00	-.20	.82	-.46	-.60	.60	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

MO		R2/PO	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	38700	1.29	1105	122.6	442	2059
	P2 = 14.70	RAM	.00	1406	-1.12	.00	1.00	1.00	.00
	T2 = 559	BLEED	.00	-1425	1.27	-.26	-.89	.09	.00
	ERI = 0	POWER	.00	-460	.60	.02	.08	-.01	.00
.30	NR = 1.00	1.06	4990	34100	1.47	1116	128.0	461	2059
	P2 = 15.64	RAM	1.00	1416	-1.23	.00	1.00	1.00	.00
	T2 = 569	BLEED	.10	-1448	1.52	-.25	-.88	.10	.00
	ERI = 0	POWER	-.01	-455	.55	.02	.08	-.01	.00
.60	NR = 1.00	1.28	11400	34700	1.44	1154	145.9	526	2059
	P2 = 18.75	RAM	1.00	1411	-1.18	.00	1.00	1.00	.00
	T2 = 599	BLEED	.10	-1465	1.69	-.26	-.88	.10	.00
	ERI = 0	POWER	-.01	-454	.55	.02	.07	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

MO	P2/PO	P8/PO	WFF	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.00	1.00	2.88	50000	2525	1090	39100	39100	1.28	459	13.0
	RAM	1.03	-.00	-.70	+.48	1.06	1.06	-1.12	-.00	.00
	BLEED	-1.38	.00	.41	.78	-1.25	-1.25	1.27	.09	.00
	POWER	-1.14	.00	-.21	1.05	-.60	-.60	.60	-.01	.00
.30	1.06	3.00	50000	2472	1078	41000	36000	1.39	454	13.0
	RAM	1.02	-.00	-.59	+.42	1.09	1.10	-1.17	.00	.00
	BLEED	-1.37	.00	.34	.72	-1.25	-1.44	1.47	.10	.00
	POWER	-1.09	.00	-.19	1.01	-.55	-.62	.63	-.01	.00
.60	1.28	3.37	50000	2313	1054	47900	36500	1.37	443	13.0
	RAM	1.02	-.00	-.62	+.36	1.04	1.05	-1.11	.00	.00
	BLEED	-1.36	.00	.35	.64	-1.19	-1.58	1.62	.10	.00
	POWER	-.96	.00	-.20	.82	-.45	-.59	.60	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY # 40 F PRESSURE ALTITUDE 0 FEET

MO		P2/ARO	FD	FN	SFC	TE	PE	W2	TC	
.00	NR =	1.00	0	38800	1.29	1106	122.9	442	2059	
	P2 =	14.70	RAM	.00	1.15	-.97	.00	1.00	1.00	-.00
	T2 =	559	BLEED	.00	-1.25	1.27	-.26	-.89	.09	-.00
	ERI =	0	POWER	.00	-.60	.60	.02	.08	-.01	.00
.30	NR =	1.00	1.06	4990	34100	1.46	1117	128.4	461	2059
	P2 =	15.64	RAM	1.00	1.15	-1.22	.00	1.00	1.00	.00
	T2 =	569	BLEED	.10	-1.46	1.50	-.25	-.87	.10	.01
	ERI =	0	POWER	-.01	-.53	.54	.02	.08	-.01	.00
.60	NR =	1.00	1.28	11400	34700	1.44	1155	146.3	526	2059
	P2 =	18.75	RAM	1.00	1.11	-1.18	.00	1.00	1.00	-.00
	T2 =	599	BLEED	.10	-1.64	1.69	-.25	-.87	.10	-.00
	ERI =	0	POWER	-.01	-.54	.54	.02	.07	-.01	-.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J50 ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FN8	SFC8	W2K	BTANG
.00	1.00	2.90	50000	2526	1085	39200	39200	1.28	459	13.0
	RAM	1.02	.24	-.51	-.37	1.15	1.15	-.97	.00	.00
	BLEED	-1.38	-.00	.41	.78	-1.25	-1.25	1.27	.09	.00
	POWER	-1.14	-.00	-.21	1.05	-.60	-.60	.60	-.01	.00
.30	1.08	3.02	50000	2473	1073	41000	36000	1.39	454	13.0
	RAM	1.02	.00	-.59	+.41	1.09	1.10	-1.17	-.00	.00
	BLEED	-1.35	.00	.34	.69	-1.24	-1.43	1.46	.10	.00
	POWER	-1.08	-.00	-.19	.99	-.54	-.61	.62	-.01	.00
.60	1.28	3.39	50000	2314	1049	48000	36600	1.37	443	13.0
	RAM	1.02	.00	-.62	-.36	1.04	1.05	-1.11	.00	.00
	BLEED	-1.35	.00	.35	.64	-1.18	-1.57	1.61	.10	.00
	POWER	-.96	.00	-.20	.82	-.45	-.59	.59	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	35200	1.06	1107	123.3	442	2059
	R2 = 14.70	RAM	.00	1440	-.43	.00	1.00	1.00	-.00
	T2 = 559	BLEED	.00	-1.47	.90	-.26	-.89	.09	-.01
	ERI = 0	POWER	.00	-145	.88	.02	.08	-.01	.00
.30	NR = 1.00	1.06	4980	30200	1.28	1118	128.7	461	2059
	P2 = 15.64	RAM	1.00	1460	-.66	.00	1.00	1.00	.00
	T2 = 569	BLEED	.10	-1.68	1.15	-.25	-.87	.10	.00
	ERI = 0	POWER	-.01	-.430	.69	.02	.08	-.01	.00
.60	NR = 1.00	1.28	11400	32100	1.35	1156	146.8	525	2059
	P2 = 18.75	RAM	1.00	1464	-.70	.00	1.00	1.00	-.00
	T2 = 599	BLEED	.11	-1.99	1.49	-.25	-.86	.11	-.00
	ERI = 0	POWER	-.01	-.438	.73	.02	.07	-.01	-.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY # 40 F PRESSURE ALTITUDE 0 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	2.93	37259	2111	972	35600	35600	1.05	458	13.0
	RAM	1.00	1.00	.00	+.07	1.40	1.40	-.43	.00	.00
	BLEED	-1.37	-.58	-.01	.54	-1.47	-1.47	.90	.09	.00
	POWER	-1.13	.40	.00	1.18	-.46	-.46	.88	-.01	.00
.30	1.06	3.05	38656	2111	975	37700	32700	1.18	454	13.0
	RAM	1.00	1.00	.00	+.05	1.39	1.45	-.48	.00	.00
	BLEED	-1.33	-.56	.00	.45	-1.42	-1.65	1.12	.10	.00
	POWER	-1.07	.39	.00	1.06	-.42	-.48	.89	-.01	.00
.60	1.28	3.41	43224	2111	990	45700	34300	1.26	443	13.0
	RAM	1.00	1.00	.00	+.00	1.35	1.46	-.50	.00	.00
	BLEED	-1.33	-.54	-.00	.43	-1.35	-1.83	1.33	.11	.00
	POWER	-.95	.34	-.00	.93	-.34	-.45	.80	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
.00	NR =	1.00	0	34800	1.02	1108	123.8	441	2059
	P2 =	14.70	RAM .00	1440	-.43	.00	1.00	1.00	.00
	T2 =	559	BLEED .00	-1446	.91	-.25	-.89	.09	-.01
	ERI =	0	POWER .00	-446	.89	.02	.07	-.01	.00
.30	NR =	1.00	4980	30800	1.20	1120	129.3	461	2059
	P2 =	15.64	RAM 1.00	1.56	-.61	.00	1.00	1.00	-.00
	T2 =	569	BLEED .10	-1473	1.21	-.25	-.87	.10	-.01
	ERI =	0	POWER -.01	-445	.86	.02	.08	-.01	.00
.60	NR =	1.00	11300	32500	1.27	1158	147.4	525	2059
	P2 =	18.75	RAM 1.00	1457	-.62	-.00	1.00	1.00	.00
	T2 =	599	BLEED .12	-1494	1.47	-.25	-.84	.12	-.00
	ERI =	0	POWER -.01	-.45	.81	.02	.07	-.01	-.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	2.95	35606	2059	951	35200	35200	1.01	458	16.0
	RAM	1.00	1.00	.00	-.07	1.40	1.40	-.43	.00	.00
	BLEED	-1.37	-.57	-.01	.55	-1.46	-1.46	.91	.09	.00
	POWER	-1.13	.42	.00	1.19	-.46	-.46	.89	-.01	.00
.30	1.06	3.07	36939	2059	954	37300	32300	1.14	453	16.0
	RAM	1.00	1.00	-.00	-.04	1.38	1.44	-.48	.00	.00
	BLEED	-1.35	-.55	-.01	.44	-1.42	-1.65	1.13	.10	.00
	POWER	-1.07	.40	.00	1.05	-.42	-.48	.89	-.01	.00
.60	1.28	3.44	41249	2059	970	45100	33800	1.22	442	16.0
	RAM	1.00	1.00	.00	-.00	1.34	1.46	-.49	.00	.00
	BLEED	-1.32	-.51	-.00	.43	-1.33	-1.82	1.34	.12	.00
	POWER	-.95	.36	-.00	.92	-.33	-.44	.81	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	25800	.99	1065	108.4	418	1734
	P2 = 14.70	RAM	.00	1.59	-.75	-.01	.98	1.00	-.07
	T2 = 559	BLEED	.00	-.93	1.53	-.20	-.62	.06	.68
	ERI = 0	POWER	.00	1.64	2.03	.21	.85	-.07	1.93
.30	NR = 1.00	1.06	4710	23000	1.15	1076	113.1	436	1739
	P2 = 15.64	RAM	1.00	1.66	-.84	-.01	.97	1.00	-.07
	T2 = 569	BLEED	.06	-1.09	1.72	-.20	-.62	.06	.69
	ERI = 0	POWER	-.06	1.84	1.71	.20	.82	-.06	1.86
.60	NR = 1.00	1.28	10600	23700	1.25	1112	128.2	492	1754
	P2 = 18.75	RAM	1.00	1.64	-.84	-.01	.97	1.00	-.08
	T2 = 599	BLEED	.06	-1.37	1.89	-.21	-.66	.06	.59
	ERI = 0	POWER	-.05	1.83	1.31	.18	.72	-.05	1.61

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	2.34	25484	1734	1045	27200	27200	.94	434	16.0
	RAM	.92	.90	-.07	-.00	1.45	1.45	-.60	.00	.00
	BLEED	-.51	.58	.68	-.02	-.84	-.84	1.43	.06	.00
	POWER	.96	3.72	1.93	-.01	1.49	1.49	2.18	-.07	.00
.30	1.06	2.43	26473	1739	1045	29000	24300	1.09	429	16.0
	RAM	.92	.89	-.07	-.00	1.42	1.50	-.66	.00	.00
	BLEED	-.49	.61	.69	-.04	-.81	-.98	1.61	.06	.00
	POWER	.93	3.59	1.86	-.01	1.41	1.69	1.85	-.06	.00
.60	1.28	2.74	29602	1754	1045	35500	24900	1.19	415	16.0
	RAM	.90	.87	-.08	.01	1.35	1.49	-.68	.00	.00
	BLEED	-.60	.48	.59	.03	-.88	-1.29	1.80	.06	.00
	POWER	.78	3.18	1.61	.02	1.16	1.68	1.46	-.05	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.9

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.00	NR =	1.00	0	19000	.96	1011	90.6	373	1522
	P2 =	14.70	RAM .00	1.58	-.98	-.02	.93	1.00	-.20
	T2 =	559	BLEED .00	-1.00	1.77	-.19	-.63	.03	.73
	ERI =	0	POWER .00	2.09	2.51	.23	1.04	-.04	2.26
.30	NR =	1.00	4150	15700	1.17	1018	93.1	384	1509
	P2 =	15.64	RAM 1.00	1.70	-1.11	-.02	.93	1.00	-.19
	T2 =	569	BLEED .03	-1.21	1.95	-.19	-.64	.03	.70
	ERI =	0	POWER -.04	2.37	2.19	.23	1.02	-.04	2.21
.60	NR =	1.00	9020	13600	1.36	1039	99.9	417	1475
	P2 =	18.75	RAM 1.00	1.92	-1.13	-.00	.98	1.00	-.05
	T2 =	599	BLEED .02	-1.75	2.41	-.20	-.69	.02	.61
	ERI =	0	POWER -.02	3.08	1.56	.23	1.04	-.02	2.16

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.9

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	1.92	18236	1522	1068	20100	20100	.91	387	16.0
	RAM	.76	.68	-.20	.01	1.43	1.43	-.81	.00	.00
	BLEED	-.46	.74	.73	-.02	-.90	-.90	1.66	.03	.00
	POWER	1.00	4.66	2.26	.02	1.87	1.87	2.74	-.04	.00
.30	1.06	1.97	18339	1509	1068	20900	16800	1.09	378	16.0
	RAM	.77	.69	-.19	.00	1.42	1.53	-.91	.00	.00
	BLEED	-.48	.71	.70	-.01	-.92	-1.15	1.90	.03	.00
	POWER	.98	4.62	2.21	.02	1.80	2.26	2.30	-.04	.00
.60	1.28	2.10	18525	1475	1068	23900	14900	1.25	352	16.0
	RAM	.93	.91	-.05	-.00	1.54	1.87	-1.06	.00	.00
	BLEED	-.55	.60	.61	-.06	-1.00	-1.61	2.26	.02	.00
	POWER	1.12	4.70	2.16	-.00	1.82	2.93	1.70	-.02	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 8.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	18000	.97	1003	88.0	365	1497
	P2 = 14.70	RAM	.00	1.59	-1.00	-.02	.92	1.00	-.20
	T2 = 559	BLEED	.00	-1.05	1.77	-.19	-.64	.03	.70
	ERI = 0	POWER	.00	2.22	2.63	.24	1.09	-.04	2.36
.30	NR = 1.00	1.06	4060	14700	1.18	1009	90.1	375	1482
	P2 = 15.64	RAM	1.00	1.76	-1.17	-.02	.93	1.00	-.19
	T2 = 569	BLEED	.03	-1.36	2.09	-.19	-.65	.03	.69
	ERI = 0	POWER	-.04	2.72	2.04	.24	1.06	-.04	2.27
.60	NR = 1.00	1.28	8780	12400	1.38	1029	96.0	406	1437
	P2 = 18.75	RAM	1.00	1.88	-1.26	-.01	.94	1.00	-.15
	T2 = 599	BLEED	.02	-2.04	2.52	-.21	-.74	.02	.49
	ERI = 0	POWER	-.02	3.29	1.56	.24	1.07	-.02	2.21

CONFIDENTIAL

GENERAL ELECTRIC GE4/J56 ESTIMATED PERFORMANCE

P.S. 8.0

OCTOBER 1964

STANDARD DAY + 40 F

PRESSURE ALTITUDE

0 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	1.87	17361	1497	1070	19100	19100	.91	379	16.0
	RAM	.75	.67	-.20	.01	1.44	1.44	-.84	.00	.00
	BLEED	-.49	.70	.70	-.02	-.94	-.94	1.66	.03	.00
	POWER	1.05	4.91	2.36	.02	1.99	1.99	2.86	-.04	.00
.30	1.06	1.91	17357	1482	1070	19900	15800	1.10	369	16.0
	RAM	.76	.69	-.19	.01	1.44	1.56	-.94	.00	.00
	BLEED	-.48	.69	.69	-.03	-.95	-1.20	1.92	.03	.00
	POWER	1.01	4.82	2.27	.02	1.90	2.39	2.36	-.04	.00
.60	1.28	2.01	17187	1437	1069	22300	13600	1.27	342	16.0
	RAM	.81	.74	-.15	-.01	1.45	1.74	-1.09	.00	.00
	BLEED	-.72	.40	.49	.08	-1.19	-1.97	2.45	.02	.00
	POWER	1.09	4.91	2.21	.05	1.87	3.10	1.75	-.02	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.00	NR =	1.00	0	11600	1.02	942	69.8	308	1332
	P2 =	14.70	.00	1444	-1.24	-.04	.84	1.00	-.41
	T2 =	559	.00	-1410	1.95	-.19	-.65	.01	.73
	ERI =	0	.00	2185	3.56	.32	1.42	-.02	2.92
.30	NR =	1.00	3410	8580	1.36	948	71.0	316	1309
	P2 =	15.64	1.00	1462	-1.43	-.03	.85	1.00	-.39
	T2 =	569	.01	-1438	2.50	-.14	-.59	.01	.84
	ERI =	0	-.02	3489	2.46	.29	1.39	-.02	2.80
.60	NR =	1.00	7400	6230	1.81	969	75.5	342	1260
	P2 =	18.75	1.00	2111	-1.94	-.02	.87	1.00	-.32
	T2 =	599	.01	-2440	3.55	-.16	-.63	.01	.74
	ERI =	0	-.02	5436	.94	.23	1.27	-.02	2.55

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

MO	P2/PO	P8/PO	WFT	T0	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	1.54	11915	1332	1095	12800	12800	.93	320	16.0
	RAM	.51	.28	-.41	.01	1.36	1.36	-1.15	.00	.00
	BUEED	-.40	.81	.73	.01	-1.04	-1.04	1.89	.01	.00
	POWER	1.07	6.49	2.92	+.05	2.69	2.69	3.72	-.02	.00
.30	11.08	1.55	11689	1309	1096	13100	9690	1.21	311	16.0
	RAM	.52	.30	-.39	.02	1.36	1.48	-1.28	.00	.00
	BUEED	-.35	1.07	.84	+.02	-.92	-1.25	2.36	.01	.00
	POWER	1.08	6.43	2.80	+.12	2.63	3.56	2.78	-.02	.00
.60	11.28	1.62	11261	1260	1095	14800	7400	1.52	288	16.0
	RAM	.56	.38	+.32	+.01	1.42	1.83	-1.60	.00	.00
	BUEED	-.43	1.02	.74	.01	-1.02	-2.05	3.17	.01	.00
	POWER	.97	6.34	2.55	+.00	2.27	4.55	1.72	-.02	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 11.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

MO		R2/PO	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	4630	1.40	846	45.6	219	1156
	P2 = 14.70	RAM	.00	1.18	-1.83	-.08	.65	1.00	-.81
	T2 = 559	BLEED	.00	-.82	2.28	-.17	-.52	.01	.99
	ERI = 0	POWER	.00	4.14	6.07	.45	2.07	-.03	4.10
.30	NR = 1.00	1.06	2440	2350	2.66	852	46.4	226	1126
	P2 = 15.64	RAM	1.01	1.50	-2.16	-.07	.68	1.01	-.75
	T2 = 569	BLEED	.01	-2.45	3.79	-.18	-.60	.01	.83
	ERI = 0	POWER	-.03	7.36	2.71	.41	1.95	-.03	3.83
.60	NR = 1.00	1.28	5330	40	141.77	870	48.9	247	1043
	P2 = 18.75	RAM	1.01	39.04	41.66	-.06	.71	1.01	-.71
	T2 = 599	BLEED	.02	-165.68	-112.53	-.19	-.61	.02	.77
	ERI = 0	POWER	-.05	542.69	-152.22	.41	1.98	-.05	3.82

CONFIDENTIAL

GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

MO	P2/RO	P8/RO	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.00	11.00	1.17	6505	1156	1257	5140	5140	1.26	227	13.0
	RAM	.18	-.55	-.81	+.00	1.16	1.16	-1.81	.00	.00
	BLEED	-.09	1.43	.99	+.16	-.76	-.76	2.21	.01	.00
	POWER	.61	10.31	4.10	.03	4.05	4.05	6.16	-.03	.00
.30	11.06	1.17	6256	1126	1256	5320	2880	2.17	222	13.0
	RAM	.20	-.50	-.75	+.03	1.23	1.43	-2.08	.01	.00
	BLEED	-.21	1.21	.83	.14	-1.21	-2.25	3.58	.01	.00
	POWER	.48	10.16	3.83	.35	3.42	6.35	3.71	-.03	.00
.60	11.28	1.19	5427	1043	1257	5950	610	8.83	208	13.0
	RAM	.21	-.52	-.71	+.01	1.26	3.41	-4.86	.01	.00
	BLEED	-.20	1.45	.77	.04	-1.14	-11.29	15.33	.02	.00
	POWER	.65	11.70	3.82	+.03	3.74	36.69	-21.39	-.05	.00

7. 5000 FEET

PREVIOUS PAGE WAS BLANK, THEREFORE WAS NOT FILMED.

CONFIDENTIAL

GENERAL ELECTRIC G64/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 5000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	38400	1.30	1034	113.0	409	2059
	P2 = 12.23	RAM	.00	296	-1.01	.00	1.00	1.00	-.00
	T2 = 501	BLEED	.00	-1.15	1.17	-.34	-.97	.02	-.01
	ERI = 0	POWER	.00	-1.61	.62	.02	.07	-.00	.00
.30	NR = 1.00	1.06	4380	34800	1.43	1044	118.2	428	2059
	P2 = 13.02	RAM	1.00	199	-1.04	-.00	1.00	1.00	-.00
	T2 = 510	BLEED	.03	-1.36	1.39	-.34	-.97	.03	-.01
	ERI = 0	POWER	-.00	-.56	.57	.02	.06	-.00	.00
.60	NR = 1.00	1.28	9980	35900	1.39	1076	134.8	488	2059
	P2 = 15.60	RAM	1.00	1.04	-1.10	.00	1.00	1.00	-.00
	T2 = 537	BLEED	.06	-1.53	1.56	-.26	-.93	.06	-.00
	ERI = 0	POWER	-.00	-1.49	.50	.01	.06	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

5000 FFFT

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	3.28	50000	2618	1088	38800	38800	1.29	483	13.0
	RAM	1.03	.00	-.81	-.48	.96	.96	-1.01	.01	.00
	BLEED	-1.35	.00	.58	.70	-1.15	-1.15	1.17	.02	.00
	POWER	-1.30	.00	-.25	1.13	-.61	-.61	.62	-.00	.00
.30	1.06	3.43	50000	2542	1071	40600	36200	1.38	479	13.0
	RAM	1.03	.00	-.75	-.45	.96	.96	-1.01	.00	.00
	BLEED	-1.34	.00	.48	.64	-1.17	-1.31	1.34	.03	.00
	POWER	-1.24	.00	-.22	1.08	-.55	-.62	.63	-.00	.00
.60	1.28	3.87	50000	2373	1040	47200	37200	1.34	467	13.0
	RAM	1.02	.00	-.60	-.35	1.00	1.00	-1.05	.00	.00
	BLEED	-1.42	.00	.38	.69	-1.17	-1.50	1.53	.06	.00
	POWER	-1.06	-.00	-.20	.93	-.44	-.56	.56	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 5000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	38500	1.30	1035	113.4	409	2059
	P2 = 12.23	RAM	.00	.96	-1.01	.00	1.00	1.00	.00
	T2 = 501	BLEED	.00	-1.14	1.16	-.34	-.97	.02	-.01
	ERI = 0	POWER	.00	-.61	.61	.02	.07	-.00	.00
.30	NR = 1.00	1.06	4380	34900	1.43	1045	118.6	428	2059
	P2 = 13.02	RAM	1.00	.99	-1.05	.00	1.00	1.00	.00
	T2 = 510	BLEED	.03	-1.36	1.39	-.34	-.97	.03	-.01
	ERI = 0	POWER	-.00	-.56	.56	.02	.06	-.00	.00
.60	NR = 1.00	1.28	9980	36000	1.39	1077	135.2	488	2059
	P2 = 15.60	RAM	1.00	1.04	-1.10	.00	1.00	1.00	.00
	T2 = 537	BLEED	.06	-1.52	1.56	-.26	-.93	.06	-.01
	ERI = 0	POWER	-.00	-.49	.50	.01	.06	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 200

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

5000 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.00	1.00	3.29	50000	2618	1083	38900	38900	1.29	483	13.0
	RAM	1.03	.00	-.81	-.48	.96	.96	-1.01	.01	.00
	BLEED	-1.35	.00	.58	.69	-1.14	-1.14	1.16	.02	.00
	POWER	-1.29	.00	-.25	1.12	-.61	-.61	.61	-.00	.00
.30	1.06	3.44	50000	2543	1066	40700	36300	1.38	479	13.0
	RAM	1.03	.00	-.75	-.45	.96	.96	-1.01	-.00	.00
	BLEED	-1.33	.00	.48	.63	-1.17	-1.31	1.33	.03	.00
	POWER	-1.23	.00	-.22	1.08	-.55	-.62	.62	-.00	.00
.60	1.28	3.89	50000	2374	1035	47300	37300	1.34	467	13.0
	RAM	1.02	.00	-.60	-.35	1.00	1.00	-1.05	.00	.00
	BLEED	-1.42	.00	.38	.69	-1.16	-1.49	1.53	.06	.00
	POWER	-1.06	.00	-.20	.93	-.44	-.56	.56	-.00	.00

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CONFIDENTIAL

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 5000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	38400	1.29	1036	113.7	409	2059
	P2 = 12.23	RAM	.00	1136	-.39	.00	1.00	1.00	.00
	T2 = 501	BLEED	.00	-1145	.71	-.33	-.97	.02	-.01
	ERI = 0	POWER	.00	-147	.80	.02	.07	-.00	.00
.30	NR = 1.00	1.06	4380	34900	1.43	1046	119.0	428	2059
	P2 = 13.02	RAM	1.00	1125	-.84	.00	1.00	1.00	-.00
	T2 = 510	BLEED	.03	-1136	1.38	-.34	-.97	.03	-.01
	ERI = 0	POWER	-.00	-156	.56	.02	.06	-.00	.00
.60	NR = 1.00	1.28	9980	36000	1.39	1078	135.6	487	2059
	P2 = 15.60	RAM	1.00	1104	-1.09	-.00	1.00	1.00	.00
	T2 = 537	BLEED	.06	-1152	1.56	-.27	-.93	.06	-.01
	ERI = 0	POWER	-.00	-150	.50	.02	.06	-.00	-.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 5000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.00	11.00	3.31	49348	2592	1072	38700	38700	1.27	483	13.0
	RAM	1.00	1.00	-.01	-.00	1.36	1.36	-.39	.01	.00
	BLEED	-1.32	-.75	-.00	.34	-1.45	-1.45	.71	.02	.00
	POWER	-1.30	.33	.01	1.27	-.47	-.47	.80	-.00	.00
.30	1.06	3.46	50000	2543	1062	40700	36300	1.38	479	13.0
	RAM	1.01	.46	-.38	-.23	1.15	1.16	-.75	.00	.00
	BLEED	-1.33	-.00	.48	.63	-1.16	-1.30	1.33	.03	.00
	POWER	-1.23	.00	-.21	1.08	-.55	-.61	.62	-.00	.00
.60	1.28	3.90	50000	2375	1031	47400	37400	1.34	467	13.0
	RAM	1.02	.00	-.60	-.35	1.00	1.00	-1.05	.00	.00
	BLEED	-1.41	.00	.38	.68	-1.16	-1.48	1.52	.06	.00
	POWER	-1.07	.00	-.20	.93	-.44	-.56	.56	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

		STANDARD DAY		PRESSURE ALTITUDE		5000 FEET			
MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	34300	1.04	1038	114.1	409	2059
	P2 = 12.23	RAM	.00	1236	-.38	.00	1.00	1.00	.00
	T2 = 501	BLEED	.00	-1.45	.78	-.33	-.97	.02	-.02
	ERI = 0	POWER	.00	-.46	.88	.02	.06	-.00	-.01
.30	NR = 1.00	1.06	4380	30400	1.22	1047	119.3	428	2059
	P2 = 13.02	RAM	1.00	1156	-.61	-.00	1.00	1.00	.00
	T2 = 510	BLEED	.03	-1.74	1.11	-.33	-.96	.03	.00
	ERI = 0	POWER	-.00	-.27	.69	.02	.06	-.00	.00
.60	NR = 1.00	1.28	9980	32700	1.27	1079	136.0	487	2059
	P2 = 15.60	RAM	1.00	1154	-.59	.00	1.00	1.00	-.00
	T2 = 537	BLEED	.06	-1.87	1.28	-.28	-.92	.06	-.00
	ERI = 0	POWER	-.00	-.27	.63	.02	.05	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

5000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	3.35	35709	2111	947	34700	34700	1.03	483	13.0
	RAM	1.00	1.00	.00	.00	1.36	1.36	-.38	.01	.00
	BLEED	-1.32	-.68	-.02	.33	-1.45	-1.45	.78	.02	.00
	POWER	-1.29	.41	-.01	1.26	-.46	-.46	.88	-.00	.00
.30	1.06	3.50	37147	2111	949	36800	32400	1.15	479	13.0
	RAM	1.00	1.00	.00	.00	1.34	1.38	-.41	.00	.00
	BLEED	-1.29	-.66	-.00	.31	-1.41	-1.60	.97	.03	.00
	POWER	-1.22	.41	.00	1.20	-.41	-.47	.88	-.00	.00
.60	1.28	3.94	41649	2111	959	44500	34500	1.21	467	13.0
	RAM	1.00	1.00	.00	-.00	1.30	1.39	-.42	-.00	.00
	BLEED	-1.36	-.62	-.01	.41	-1.35	-1.76	1.17	.06	.00
	POWER	-1.07	.36	.00	1.05	-.33	-.42	.79	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 5000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	33900	1.01	1039	114.6	409	2059
	P2 = 12.23	RAM	.00	1136	-.38	.00	1.00	1.00	.00
	T2 = 501	BLEED	.00	-1.42	.80	-.33	-.95	.02	.00
	ERI = 0	POWER	.00	-.44	.89	.02	.07	-.00	.00
.30	NR = 1.00	1.06	4380	30900	1.15	1049	119.9	428	2059
	P2 = 13.02	RAM	1.00	1148	-.52	.00	1.00	1.00	-.00
	T2 = 510	BLEED	.03	-1.70	1.09	-.33	-.95	.03	.00
	ERI = 0	POWER	-.00	-.47	.91	.02	.06	-.00	.00
.60	NR = 1.00	1.28	9970	33000	1.21	1081	136.6	487	2059
	P2 = 15.60	RAM	1.00	1148	-.52	.00	1.00	1.00	.00
	T2 = 537	BLEED	.06	-1.84	1.28	-.30	-.92	.06	.00
	ERI = 0	POWER	-.00	-.43	.82	.02	.05	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

5000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.00	1.00	3.37	34195	2059	928	34300	34300	1.00	483	16.0
	RAM	1.00	1.00	.00	.00	1.36	1.36	-.38	.01	.00
	BLEED	-1.29	-.64	.00	.31	-1.42	-1.42	.80	.02	.00
	POWER	-1.27	.44	.00	1.24	-.44	-.44	.89	-.00	.00
.30	1.06	3.52	35569	2059	930	36400	32000	1.11	479	16.0
	RAM	1.00	1.00	-.00	.00	1.34	1.38	-.41	.00	.00
	BLEED	-1.28	-.63	.00	.31	-1.40	-1.59	.98	.03	.00
	POWER	-1.21	.42	.00	1.19	-.41	-.46	.89	-.00	.00
.60	1.28	3.97	39842	2059	940	43900	34000	1.17	467	16.0
	RAM	1.00	1.00	.00	.00	1.30	1.39	-.42	.00	.00
	BLEED	-1.31	-.60	.00	.37	-1.33	-1.74	1.18	.06	.00
	POWER	-1.06	.38	.00	1.04	-.32	-.42	.80	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

MO		P2APO	FD	FN	SFC	TE	PE	W2	TC
.00	NR =	1.00	0	35700	1.40	1081	104.9	379	2059
	P2 =	12.23	RAM	1.06	-1.12	.00	1.01	1.01	.00
	T2 =	541	BLEED	-1.25	1.27	-.26	-.92	.07	-.01
	ERI =	0	POWER	-.70	.70	.02	.08	-.00	-.01
.30	NR =	1.00	4220	32300	1.55	1094	109.8	397	2059
	P2 =	13.02	RAM	1.04	-1.10	.00	1.01	1.01	.00
	T2 =	551	BLEED	-1.30	1.33	-.26	-.90	.08	.00
	ERI =	0	POWER	-.01	-.62	.62	.09	-.01	.00
.60	NR =	1.00	9600	32800	1.53	1129	124.8	451	2059
	P2 =	15.60	RAM	1.06	-1.12	.00	1.00	1.00	.00
	T2 =	580	BLEED	-1.58	1.62	-.26	-.89	.09	.00
	ERI =	0	POWER	-.01	-.58	.59	.08	-.01	-.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	2.98	50000	2801	1151	36100	36100	1.39	466	13.0
	RAM	1.04	.00	-.69	+.47	1.06	1.06	-1.12	.01	.00
	BLEED	-1.43	.00	.46	.83	-1.25	-1.25	1.27	.07	.00
	POWER	-1.39	.00	-.24	1.30	-.70	-.70	.70	-.00	.00
.30	1.06	3.11	50000	2717	1137	37700	33500	1.49	462	13.0
	RAM	1.04	.00	-.74	-.46	1.02	1.02	-1.07	.01	.00
	BLEED	-1.41	.00	.53	.79	-1.17	-1.32	1.35	.08	.00
	POWER	-1.29	-.00	-.25	1.11	-.64	-.72	.73	-.01	.00
.60	1.28	3.49	50000	2508	1098	43600	34000	1.47	450	13.0
	RAM	1.03	-.00	-.65	-.40	1.01	1.01	-1.06	-.00	.00
	BLEED	-1.37	.00	.36	.67	-1.17	-1.53	1.56	.09	.00
	POWER	-1.12	.00	-.19	.99	-.50	-.64	.64	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

MO		P2/RO	FD	FN	SFC	TE	PE	W2	TC
.00	NR =	1.00	0	35800	1.40	1082	105.2	379	2059
	P2 =	12.23 RAM	.00	1.06	-1.12	.00	1.01	1.01	.00
	T2 =	541 BLEED	.00	-1.24	1.27	-.26	-.92	.07	-.00
	ERI =	0 POWER	.00	-.69	.69	.02	.08	-.01	.00
.30	NR =	1.06	4220	32300	1.55	1094	110.1	397	2059
	P2 =	13.02 RAM	1.01	1.03	-1.09	.00	1.01	1.01	-.00
	T2 =	551 BLEED	.08	-1.30	1.33	-.26	-.90	.08	.00
	ERI =	0 POWER	-.01	-.61	.62	.02	.09	-.01	.01
.60	NR =	1.28	9600	32800	1.52	1130	125.2	451	2059
	P2 =	15.60 RAM	1.00	1.06	-1.12	-.00	1.00	1.00	.00
	T2 =	580 BLEED	.10	-1.58	1.62	-.25	-.88	.10	-.00
	ERI =	0 POWER	-.01	-.57	.58	.02	.08	-.01	-.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

MO	Y	P8APO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	3.00	50000	2801	1146	36100	36100	1.38	466	13.0
	RAM	1.04	.00	-.69	-.46	1.06	1.06	-1.12	.01	.00
	BLEED	-1.43	.00	.46	.83	-1.24	-1.24	1.27	.07	.00
	POWER	-1.37	.00	-.24	1.28	-.69	-.69	.69	-.01	.00
.30	1.06	3.12	50000	2718	1132	37800	33600	1.49	462	13.0
	RAM	1.04	.00	-.75	+.46	1.01	1.01	-1.07	.01	.00
	BLEED	-1.41	-.00	.53	.78	-1.16	-1.32	1.35	.08	.00
	POWER	-1.28	-.00	-.25	1.11	-.64	-.72	.73	-.01	.00
.60	1.28	3.51	50000	2509	1093	43600	34100	1.47	449	13.0
	RAM	1.03	-.00	-.64	-.39	1.01	1.01	-1.06	.00	.00
	BLEED	-1.37	.00	.35	.66	-1.17	-1.52	1.56	.10	.00
	POWER	-1.12	.00	-.19	.99	-.49	-.63	.64	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

MO		P2/RO	FD	FN	SFC	TE	PE	W2	TC
.00	NR =	1.00	0	34300	1.31	1083	105.5	379	2059
	P2 =	12.23	.00	1.40	-.43	.00	1.01	1.01	.00
	T2 =	541	.00	-1.49	.81	-.26	-.92	.07	-.01
	ERI =	0	.00	-.55	.91	.02	.08	-.00	.00
.30	NR =	1.00	4220	31200	1.50	1095	110.5	397	2059
	P2 =	13.02	1.01	1.55	-.59	.00	1.01	1.01	.00
	T2 =	551	.08	-1.70	1.05	-.26	-.90	.08	-.00
	ERI =	0	-.01	-.43	.78	.02	.08	-.01	.00
.60	NR =	1.00	9590	32900	1.52	1131	125.5	451	2059
	P2 =	15.60	1.00	1.07	-1.11	.00	1.00	1.00	-.00
	T2 =	580	.10	-1.56	1.60	-.25	-.87	.10	-.00
	ERI =	0	-.01	-.56	.56	.02	.08	-.01	-.00

CONFIDENTIAL

GENERAL ELECTRIC G64/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

MO	R2/PO	R8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	3.02	45025	2592	1088	34700	34700	1.30	465	13.0
	RAM	1.01	1.00	-.01	-.06	1.40	1.40	-.43	.01	.00
	BLEED	-1.40	-.70	-.00	.52	-1.49	-1.49	.81	.07	.00
	POWER	-1.38	.36	-.01	1.40	-.55	-.55	.91	-.00	.00
.30	1.06	3.14	46919	2591	1094	36900	32600	1.44	462	13.0
	RAM	1.01	1.00	-.01	+.01	1.39	1.43	-.47	.01	.00
	BLEED	-1.39	-.58	-.00	.47	-1.45	-1.64	.99	.08	.00
	POWER	-1.30	.34	-.00	1.27	-.50	-.56	.91	-.01	.00
.60	1.28	3.52	50000	2511	1088	43700	34100	1.47	449	13.0
	RAM	1.02	.02	-.63	+.38	1.01	1.02	-1.05	.00	.00
	BLEED	-1.36	.00	.34	.65	-1.16	-1.52	1.55	.10	.00
	POWER	-1.12	-.00	-.19	.98	-.49	-.63	.63	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

MO		P2/R0	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	30700	1.05	1084	105.8	379	2059
	P2 = 12.23	RAM	.00	1440	-.42	.00	1.01	1.01	.00
	T2 = 541	BLEED	.00	-1.47	.87	-.27	-.92	.07	-.01
	ERI = 0	POWER	.00	-153	1.01	.02	.07	-.00	-.00
.30	NR = 1.00	1.06	4220	26700	1.26	1096	110.8	397	2059
	P2 = 13.02	RAM	1.01	1459	-.63	.00	1.01	1.01	.00
	T2 = 551	BLEED	.08	-1470	1.14	-.26	-.90	.08	-.00
	ERI = 0	POWER	-.01	-127	.72	.02	.08	-.01	-.00
.60	NR = 1.00	1.28	9590	28400	1.32	1132	125.9	451	2059
	P2 = 15.60	RAM	1.00	1.61	-.66	.00	1.00	1.00	.00
	T2 = 580	BLEED	.11	-1487	1.36	-.25	-.86	.11	.00
	ERI = 0	POWER	-.01	-135	.76	.02	.08	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.00	1.00	3.06	32329	2111	961	31100	31100	1.04	465	13.0
	RAM	1.01	1.01	.00	+.04	1.40	1.40	-.42	.01	.00
	BLEED	-1.38	-.62	-.01	.45	-1.47	-1.47	.87	.07	.00
	POWER	-1.37	.47	.00	1.34	-.53	-.53	1.01	-.00	.00
.30	1.06	3.18	33643	2111	967	33000	28800	1.17	462	13.0
	RAM	1.01	1.01	.00	.00	1.38	1.44	-.46	.01	.00
	BLEED	-1.37	-.59	-.00	.45	-1.43	-1.65	1.09	.08	.00
	POWER	-1.28	.45	.00	1.25	-.48	-.55	1.01	-.01	.00
.60	1.28	3.56	37535	2111	980	39800	30200	1.24	449	13.0
	RAM	1.00	1.00	.00	-.00	1.33	1.44	-.47	-.00	.00
	BLEED	-1.33	-.55	-.00	.43	-1.33	-1.79	1.28	.11	.00
	POWER	-1.10	.40	.00	1.08	-.37	-.49	.90	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.00	NR = 1.00	1.00	0	30400	1.02	1086	106.3	379	2059
	P2 = 12.23	RAM	.00	1439	-.41	.00	1.01	1.01	.00
	T2 = 541	BLEED	.00	-1444	.88	-.28	-.91	.06	.01
	ERI = 0	POWER	.00	-153	1.02	.02	.07	-.00	.00
.30	NR = 1.00	1.06	4220	27200	1.18	1098	111.3	397	2059
	P2 = 13.02	RAM	1.01	1453	-.56	.00	1.01	1.01	.00
	T2 = 551	BLEED	.08	-1473	1.19	-.26	-.90	.08	-.00
	ERI = 0	POWER	-.01	-.53	1.00	.02	.08	-.01	.00
.60	NR = 1.00	1.28	9580	28700	1.25	1133	126.4	451	2059
	P2 = 15.60	RAM	1.00	1453	-.58	.00	1.00	1.00	.00
	T2 = 580	BLEED	.11	-1486	1.38	-.25	-.85	.11	.00
	ERI = 0	POWER	-.01	-147	.89	.02	.08	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

MO	P2/RO	P8/RO	WFT	T8	A8	FG8	FNB	SFC8	WZK	BTANG
.00	11.00	3.08	30922	2059	941	30700	30700	1.01	465	16.0
	RAM	1.01	1.01	.00	.03	1.39	1.39	-.41	.01	.00
	BLEED	-1.32	-.58	.01	.39	-1.44	-1.44	.88	.06	.00
	POWER	-1.36	.49	.00	1.34	-.53	-.53	1.02	-.00	.00
.30	11.06	3.21	32166	2059	946	32600	28400	1.13	462	16.0
	RAM	1.01	1.01	.00	.00	1.38	1.43	-.46	.01	.00
	BLEED	-1.36	-.58	-.00	.44	-1.42	-1.64	1.10	.08	.00
	POWER	-1.28	.47	.00	1.26	-.48	-.55	1.02	-.01	.00
.60	11.28	3.59	35844	2059	959	39300	29700	1.21	449	16.0
	RAM	1.00	1.00	.00	.00	1.33	1.44	-.47	.00	.00
	BLEED	-1.31	-.62	.00	.42	-1.32	-1.78	1.29	.11	.00
	POWER	-1.09	.42	.00	1.07	-.37	-.48	.91	-.01	.00

8. 15000 FEET

PREVIOUS PAGE WAS BLANK, THEREFORE WAS NOT FILMED.

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 15000 FEET

MO		P2APO	FD	FN	SFC	TE	PE	W2	TC
.30	NR = 1.00	1.06	3050	30500	1.64	1002	85.4	309	2059
	P2 = 8.83	RAM	1.01	1100	-1.05	.00	1.01	1.01	.00
	T2 = 474	BLEED	.01	-1.27	1.29	-.33	-.98	.01	.00
	ERI = 0	POWER	-.00	-.75	.75	.03	.09	-.00	.00
.40	NR = 1.00	1.12	4220	31000	1.61	1010	88.6	321	2059
	P2 = 9.26	RAM	1.01	1199	-1.05	.00	1.01	1.01	.00
	T2 = 480	BLEED	.02	-1.32	1.34	-.33	-.98	.02	.00
	ERI = 0	POWER	-.00	-.77	.78	.03	.09	-.00	.00
.50	NR = 1.00	1.19	5520	31600	1.58	1019	92.8	336	2059
	P2 = 9.84	RAM	1.01	1100	-1.06	.00	1.01	1.01	.00
	T2 = 489	BLEED	.02	-1.38	1.41	-.34	-.98	.02	-.01
	ERI = 0	POWER	-.00	-.81	.82	.02	.08	-.00	-.01
.60	NR = 1.00	1.28	7000	32100	1.56	1032	98.0	355	2059
	P2 = 10.58	RAM	1.01	1194	-.98	.00	1.01	1.01	.00
	T2 = 499	BLEED	.02	-1.28	1.31	-.34	-.97	.02	-.01
	ERI = 0	POWER	-.00	-.63	.63	.02	.08	-.00	.00
.90	NR = 1.00	1.69	12900	33900	1.47	1081	120.4	436	2059
	P2 = 14.03	RAM	1.00	1181	-.84	.00	1.00	1.00	.00
	T2 = 541	BLEED	.07	-1.42	1.45	-.26	-.92	.07	.00
	ERI = 0	POWER	-.00	-.50	.50	.02	.07	-.00	.00
1.15	NR = .994	2.26	20200	36400	1.38	1140	148.0	535	2059
	P2 = 18.76	RAM	1.01	1186	-.89	-.00	1.01	1.01	-.00
	T2 = 589	BLEED	.09	-1.62	1.66	-.26	-.88	.09	.00
	ERI = 0	POWER	-.01	-.50	.50	.02	.07	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.30	1.06	3.67	50000	3150	1204	34000	30900	1.62	492	13.0
	RAM	1.04	.00	-.66	-.41	.99	.99	-1.04	.01	.00
	BLEED	-1.38	.00	.51	.68	-1.14	-1.26	1.28	.01	.00
	POWER	-1.74	.00	-.24	1.57	-.71	-.78	.79	-.00	.00
.40	1.12	3.80	50000	3081	1190	35700	31400	1.59	490	13.0
	RAM	1.04	.00	-.67	-.41	.97	.97	-1.02	.01	.00
	BLEED	-1.37	-.00	.51	.67	-1.12	-1.28	1.30	.02	.00
	POWER	-1.68	.00	-.24	1.51	-.67	-.76	.77	-.00	.00
.50	1.19	3.97	50000	2995	1173	37500	32000	1.56	487	13.0
	RAM	1.04	.00	-.68	-.41	.96	.95	-1.00	.01	.00
	BLEED	-1.37	.00	.51	.67	-1.11	-1.30	1.33	.02	.00
	POWER	-1.62	.00	-.23	1.45	-.63	-.74	.74	-.00	.00
.60	1.28	4.18	50000	2896	1155	39500	32500	1.54	483	13.0
	RAM	1.04	.00	-.69	-.41	.94	.93	-.97	.01	.00
	BLEED	-1.36	.00	.51	.66	-1.08	-1.32	1.35	.02	.00
	POWER	-1.51	.00	-.24	1.35	-.58	-.70	.71	-.00	.00
.90	1.69	5.07	50000	2535	1084	47300	34400	1.45	466	13.0
	RAM	1.03	-.00	-.73	-.44	.87	.82	-.86	-.00	.00
	BLEED	-1.42	.00	.43	.73	-1.04	-1.45	1.48	.07	.00
	POWER	-1.18	.00	-.22	1.03	-.42	-.58	.58	-.00	.00
1.15	2.26	6.09	50000	2281	1044	57000	36800	1.36	447	13.0
	RAM	1.03	.00	-.63	-.36	.90	.83	-.87	.00	.00
	BLEED	-1.36	.00	.36	.65	-1.00	-1.60	1.64	.09	.00
	POWER	-.94	-.00	-.20	.80	-.32	-.49	.50	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 15000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.30	NR =	1.00	3050	30100	1.60	1003	85.7	309	2059
	P2 =	8.83	RAM 1.01	1442	-.47	.00	1.01	1.01	-.00
	T2 =	474	BLEED .01	-1.62	.86	-.33	-.98	.01	.00
	ERI =	0	POWER -.00	-461	.98	.03	.09	-.00	.00
.40	NR =	1.00	4220	31000	1.61	1011	88.9	321	2059
	P2 =	9.26	RAM 1.01	1442	-.46	.00	1.01	1.01	.00
	T2 =	480	BLEED .02	-1466	.90	-.33	-.98	.02	.00
	ERI =	0	POWER -.00	-.65	.94	.03	.09	-.00	.01
.50	NR =	1.00	5520	31700	1.58	1020	93.1	336	2059
	P2 =	9.84	RAM 1.01	1410	-.92	.00	1.01	1.01	.00
	T2 =	489	BLEED .02	-1.38	1.41	-.33	-.97	.02	-.01
	ERI =	0	POWER -.00	-180	.81	.02	.08	-.00	.00
.60	NR =	1.00	7000	32100	1.56	1033	98.4	355	2059
	P2 =	10.58	RAM 1.01	.92	-.97	.00	1.01	1.01	.00
	T2 =	499	BLEED .02	-1428	1.31	-.34	-.97	.02	-.01
	ERI =	0	POWER -.00	-458	.58	.02	.08	-.00	.00
.70	NR =	1.00	12900	34000	1.47	1082	120.8	436	2059
	P2 =	14.03	RAM 1.00	481	-.84	-.00	1.00	1.00	.00
	T2 =	541	BLEED .07	-1.41	1.44	-.26	-.92	.07	-.00
	ERI =	0	POWER -.00	-149	.49	.02	.07	-.00	.00
1.15	NR =	.994	20200	36400	1.37	1141	148.4	535	2059
	P2 =	18.76	RAM 1.01	486	-.89	-.00	1.01	1.01	-.00
	T2 =	589	BLEED .10	-1.61	1.65	-.25	-.87	.10	.01
	ERI =	0	POWER -.01	-449	.49	.02	.07	-.01	.01

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GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

MO	P2/P0	P8/P0	WFT	T0	A8	FG8	FNB	SFCB	W2K	BTANG
.30	1.06	3.69	48178	3075	1181	33600	30500	1.58	492	13.0
	RAM	1.01	.99	-.01	-.00	1.33	1.36	-.40	.01	.00
	BLEED	-1.35	-.79	-.00	.36	-1.43	-1.57	.80	.01	.00
	POWER	-1.74	.36	-.02	1.70	-.58	-.64	1.00	-.00	.00
.40	1.12	3.82	49833	3074	1183	35700	31500	1.58	490	13.0
	RAM	1.01	.99	-.01	-.00	1.32	1.36	-.40	.01	.00
	BLEED	-1.34	-.79	-.00	.35	-1.41	-1.60	.83	.02	.00
	POWER	-1.67	.29	-.05	1.60	-.56	-.63	.93	-.00	.00
.50	1.19	3.99	50000	2996	1168	37600	32000	1.56	487	13.0
	RAM	1.03	.23	-.53	-.32	1.04	1.04	-.86	.01	.00
	BLEED	-1.36	.00	.51	.67	-1.10	-1.30	1.32	.02	.00
	POWER	-1.59	.00	-.23	1.43	-.62	-.72	.73	-.00	.00
.60	1.28	4.20	50000	2896	1150	39500	32500	1.54	483	13.0
	RAM	1.04	.00	-.70	-.41	.94	.92	-.97	.01	.00
	BLEED	-1.35	.00	.51	.66	-1.08	-1.32	1.34	.02	.00
	POWER	-1.50	-.00	-.23	1.34	-.57	-.69	.70	-.00	.00
.90	1.69	5.10	50000	2535	1079	47300	34500	1.45	466	13.0
	RAM	1.03	.00	-.72	-.43	.87	.82	-.86	-.00	.00
	BLEED	-1.42	.00	.43	.73	-1.04	-1.45	1.48	.07	.00
	POWER	-1.19	.00	-.22	1.03	-.42	-.58	.58	-.00	.00
1.15	2.26	6.12	50000	2262	1099	57100	36800	1.36	446	13.0
	RAM	1.03	.00	-.63	-.36	.89	.83	-.87	.00	.00
	BLEED	-1.35	.00	.36	.64	-.99	-1.59	1.63	.10	.00
	POWER	-.93	.00	-.20	.80	-.32	-.48	.49	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
.30	NR = 1.00	1.06	3050	26700	1.42	1005	86.0	309	2059
	P2 = 8.83	RAM	1.01	1445	-.49	.00	1.01	1.01	.00
	T2 = 474	BLEED	.01	-1464	.90	-.33	-.98	.01	-.01
	ERI = 0	POWER	-.00	-145	.89	.03	.09	-.00	.01
.40	NR = 1.00	1.12	4220	27500	1.42	1012	89.2	321	2059
	P2 = 9.26	RAM	1.01	1446	-.49	.00	1.01	1.01	.00
	T2 = 480	BLEED	.02	-1468	.95	-.33	-.98	.02	-.01
	ERI = 0	POWER	-.00	-.46	.88	.02	.08	-.00	.00
.50	NR = 1.00	1.19	5520	28500	1.43	1022	93.4	336	2059
	P2 = 9.84	RAM	1.01	1446	-.49	.00	1.01	1.01	.00
	T2 = 489	BLEED	.02	-1470	.97	-.33	-.97	.02	-.01
	ERI = 0	POWER	-.00	-.43	.83	.02	.08	-.00	.00
.60	NR = 1.00	1.28	7000	29500	1.45	1034	98.7	355	2059
	P2 = 10.58	RAM	1.01	1443	-.46	.00	1.01	1.01	.00
	T2 = 499	BLEED	.02	-1472	.99	-.33	-.97	.02	-.01
	ERI = 0	POWER	-.00	-.39	.77	.02	.08	-.00	.00
.90	NR = 1.00	1.69	12900	34000	1.47	1083	121.2	436	2059
	P2 = 14.03	RAM	1.00	1403	-.70	-.00	1.00	1.00	.00
	T2 = 541	BLEED	.07	-1440	1.43	-.26	-.92	.07	-.01
	ERI = 0	POWER	-.00	-149	.50	.02	.07	-.00	.00
1.15	NR = .994	2.26	20200	36500	1.37	1142	148.8	535	2059
	P2 = 18.76	RAM	1.01	486	-.89	.00	1.01	1.01	.00
	T2 = 589	BLEED	.10	-1460	1.64	-.25	-.87	.10	-.01
	ERI = 0	POWER	-.01	-149	.50	.02	.07	-.01	-.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.30	1.06	3.73	37837	2597	1062	30600	27500	1.37	492	13.0
	RAM	1.01	.99	-.01	+.00	1.33	1.36	-.40	.01	.00
	BLEED	-1.35	-.76	.00	.36	-1.42	-1.58	.84	.01	.00
	POWER	-1.70	.44	.01	1.67	-.54	-.60	1.05	-.00	.00
.40	1.12	3.88	39122	2596	1064	32500	28300	1.38	490	13.0
	RAM	1.01	1.00	-.01	+.00	1.32	1.36	-.39	.01	.00
	BLEED	-1.34	-.76	.00	.35	-1.40	-1.61	.87	.02	.00
	POWER	-1.65	.42	.01	1.62	-.51	-.59	1.01	-.00	.00
.50	1.19	4.03	40813	2595	1067	34700	29200	1.40	487	13.0
	RAM	1.01	1.00	-.01	+.00	1.31	1.36	-.39	.01	.00
	BLEED	-1.33	-.75	-.00	.35	-1.38	-1.64	.91	.02	.00
	POWER	-1.58	.40	.01	1.55	-.47	-.56	.96	-.00	.00
.60	1.28	4.24	42915	2594	1072	37200	30200	1.42	483	13.0
	RAM	1.01	1.00	-.01	+.00	1.29	1.36	-.39	.01	.00
	BLEED	-1.32	-.75	-.00	.34	-1.35	-1.67	.95	.02	.00
	POWER	-1.49	.38	.01	1.46	-.43	-.53	.91	-.00	.00
.90	1.69	5.12	50000	2536	1074	47400	34500	1.45	466	13.0
	RAM	1.02	.37	-.43	+.26	1.02	1.03	-.70	-.00	.00
	BLEED	-1.42	.00	.43	.73	-1.04	-1.45	1.48	.07	.00
	POWER	-1.19	.00	-.22	1.03	-.42	-.57	.58	-.00	.00
1.15	2.26	6.15	50000	2282	1034	57100	36900	1.35	446	13.0
	RAM	1.03	.00	-.83	+.37	.89	.83	-.87	-.00	.00
	BLEED	-1.36	.00	.36	.65	-.99	-1.59	1.63	.10	.00
	POWER	-.94	.00	-.19	.81	-.32	-.49	.49	-.01	.00

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GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 15000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
.30	NR = 1.00	1.06	3050	22900	1.20	1006	86.2	309	2059
	P2 = 8.83	RAM	1.01	1451	-.54	.00	1.01	1.01	.00
	T2 = 474	BLEED	.01	-1.69	1.02	-.33	-.98	.01	-.01
	ERI = 0	POWER	-.00	-.34	.91	.03	.09	-.00	.00
.40	NR = 1.00	1.12	4220	23500	1.21	1013	89.5	321	2059
	P2 = 9.26	RAM	1.01	1452	-.55	.00	1.01	1.01	.00
	T2 = 480	BLEED	.02	-1.75	1.09	-.33	-.97	.02	-.01
	ERI = 0	POWER	-.00	-.37	.91	.03	.09	-.00	.00
.50	NR = 1.00	1.19	5520	24200	1.22	1023	93.7	336	2059
	P2 = 9.84	RAM	1.01	1451	-.55	.00	1.01	1.01	.00
	T2 = 489	BLEED	.02	-1.76	1.11	-.33	-.97	.02	-.01
	ERI = 0	POWER	-.00	-.34	.86	.02	.08	-.00	.00
.60	NR = 1.00	1.28	7000	25100	1.24	1035	99.0	355	2059
	P2 = 10.58	RAM	1.01	1450	-.53	.00	1.01	1.01	.00
	T2 = 499	BLEED	.02	-1.82	1.18	-.33	-.96	.02	-.01
	ERI = 0	POWER	-.00	-.36	.86	.02	.08	-.00	.00
.90	NR = 1.00	1.69	12900	29100	1.27	1084	121.5	435	2059
	P2 = 14.03	RAM	1.00	1443	-.47	.00	1.00	1.00	.00
	T2 = 541	BLEED	.07	-1.89	1.31	-.27	-.92	.07	-.01
	ERI = 0	POWER	-.00	-.31	.72	.02	.07	-.00	-.00
1.15	NR = .994	2.26	20200	34100	1.30	1143	149.3	534	2059
	P2 = 18.76	RAM	1.01	1440	-.42	-.00	1.01	1.01	-.00
	T2 = 589	BLEED	.11	-1.97	1.47	-.25	-.86	.11	-.00
	ERI = 0	POWER	-.01	-.34	.68	.02	.07	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFC8	W2K	BTANG
.30	1.06	3.78	27432	2111	938	27300	24300	1.13	492	13.0
	RAM	1.01	1.00	.00	.00	1.33	1.37	-.39	.01	.00
	BLEED	-1.33	-.69	-.01	.34	-1.41	-1.59	.92	.01	.00
	POWER	-1.69	.56	.00	1.66	-.53	-.60	1.17	-.00	.00
.40	1.12	3.91	28344	2111	939	29000	24800	1.14	490	13.0
	RAM	1.01	1.01	.00	.00	1.32	1.37	-.39	.01	.00
	BLEED	-1.33	-.69	-.01	.34	-1.39	-1.63	.97	.02	.00
	POWER	-1.62	.54	.00	1.59	-.49	-.58	1.13	-.00	.00
.50	1.19	4.08	29541	2111	942	31000	25500	1.16	487	13.0
	RAM	1.01	1.01	.00	.00	1.31	1.37	-.39	.01	.00
	BLEED	-1.32	-.68	-.01	.34	-1.37	-1.67	1.02	.02	.00
	POWER	-1.55	.52	.00	1.52	-.46	-.55	1.08	-.00	.00
.60	1.28	4.29	31026	2111	946	33200	26200	1.18	483	13.0
	RAM	1.01	1.01	.00	.00	1.29	1.37	-.39	.01	.00
	BLEED	-1.31	-.67	-.01	.33	-1.35	-1.71	1.07	.02	.00
	POWER	-1.47	.49	.00	1.44	-.41	-.52	1.02	-.00	.00
.90	1.69	5.18	37127	2111	961	42800	29900	1.24	466	13.0
	RAM	1.00	1.00	.00	.00	1.24	1.35	-.37	-.00	.00
	BLEED	-1.38	-.61	-.01	.43	-1.27	-1.84	1.26	.07	.00
	POWER	-1.19	.41	.00	1.16	-.29	-.41	.83	-.00	.00
1.15	2.26	6.19	44255	2111	985	54700	34500	1.28	446	13.0
	RAM	1.00	1.00	-.00	.00	1.22	1.34	-.37	.00	.00
	BLEED	-1.33	-.54	-.00	.43	-1.17	-1.92	1.42	.11	.00
	POWER	-.93	.34	.00	.91	-.20	-.32	.66	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 15000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.30	NR =	1.00	3050	23200	1.13	1008	86.7	309	2059	
	P2 =	8.83	RAM	1.01	1.44	-.47	.00	1.01	1.01	.00
	T2 =	474	BLEED	.01	-1.65	1.01	-.35	-.97	.01	-.01
	ERI =	0	POWER	-.00	-.60	1.19	.03	.09	-.00	.00
.40	NR =	1.00	4220	23800	1.14	1015	89.9	321	2059	
	P2 =	9.26	RAM	1.01	1.45	-.48	.00	1.01	1.01	.00
	T2 =	480	BLEED	.02	-1.71	1.07	-.34	-.97	.02	-.01
	ERI =	0	POWER	-.00	-.60	1.17	.03	.08	-.00	.00
.50	NR =	1.00	5520	24500	1.16	1024	94.1	336	2059	
	P2 =	9.84	RAM	1.01	1.44	-.46	.00	1.01	1.01	.00
	T2 =	489	BLEED	.02	-1.73	1.09	-.33	-.96	.02	-.01
	ERI =	0	POWER	-.00	-.55	1.08	.03	.08	-.00	-.01
.60	NR =	1.00	7000	25200	1.18	1037	99.5	355	2059	
	P2 =	10.58	RAM	1.01	1.43	-.45	.00	1.01	1.01	.00
	T2 =	499	BLEED	.02	-1.77	1.16	-.33	-.96	.02	.00
	ERI =	0	POWER	-.00	-.52	1.04	.02	.08	-.00	.00
.90	NR =	1.00	12900	28900	1.23	1086	122.1	435	2059	
	P2 =	14.03	RAM	1.00	1.38	-.41	.00	1.00	1.00	.00
	T2 =	541	BLEED	.06	-1.87	1.32	-.29	-.91	.06	-.00
	ERI =	0	POWER	-.00	-.41	.84	.02	.06	-.00	.00
1.15	NR =	.994	20200	33300	1.27	1145	149.9	534	2059	
	P2 =	18.76	RAM	1.01	1.40	-.43	.00	1.01	1.01	.00
	T2 =	589	BLEED	.11	-1.94	1.45	-.25	-.85	.11	-.00
	ERI =	0	POWER	-.01	-.24	.59	.02	.07	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

15000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.30	1.06	3.80	26297	2059	919	27000	23900	1.10	492	16.0
	RAM	1.01	1.00	.00	.00	1.32	1.36	-.39	.01	.00
	BLEED	-1.29	-.67	-.01	.30	-1.39	-1.57	.92	.01	.00
	POWER	-1.68	.58	.00	1.65	-.52	-.59	1.18	-.00	.00
.40	1.12	3.94	27167	2059	920	28700	24500	1.11	489	16.0
	RAM	1.01	1.01	.00	.00	1.31	1.37	-.38	.01	.00
	BLEED	-1.30	-.67	-.01	.31	-1.38	-1.62	.98	.02	.00
	POWER	-1.62	.56	.00	1.59	-.49	-.58	1.14	-.00	.00
.50	1.19	4.11	28308	2059	923	30600	25100	1.13	487	16.0
	RAM	1.01	1.01	.00	.00	1.30	1.37	-.39	.01	.00
	BLEED	-1.31	-.66	-.01	.33	-1.37	-1.67	1.03	.02	.00
	POWER	-1.56	.52	-.01	1.52	-.46	-.56	1.09	-.00	.00
.60	1.28	4.32	29713	2059	927	32800	25800	1.15	483	16.0
	RAM	1.01	1.01	.00	.00	1.29	1.37	-.38	.01	.00
	BLEED	-1.29	-.64	.00	.31	-1.33	-1.70	1.09	.02	.00
	POWER	-1.46	.51	.00	1.43	-.41	-.52	1.03	-.00	.00
.90	1.69	5.22	35511	2059	941	42300	29400	1.21	465	16.0
	RAM	1.00	1.00	.00	-.00	1.24	1.35	-.37	-.00	.00
	BLEED	-1.32	-.59	-.00	.39	-1.25	-1.83	1.28	.06	.00
	POWER	-1.19	.42	.00	1.16	-.29	-.41	.84	-.00	.00
1.15	2.26	6.24	42250	2059	964	54000	33800	1.25	446	13.0
	RAM	1.01	1.01	.00	-.00	1.22	1.35	-.37	-.00	.00
	BLEED	-1.33	-.53	-.00	.43	-1.17	-1.93	1.45	.11	.00
	POWER	-.93	.35	.00	.90	-.20	-.32	.67	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
.30	NR = 1.00	1.06	2930	16500	1.03	950	74.1	297	1594
	P2 = 8.83	RAM	1.01	1.53	-.68	-.01	.98	1.01	-.07
	T2 = 474	BLEED	.02	-1.12	1.56	-.21	-.68	.02	.63
	ERI = 0	POWER	-.03	2.54	2.50	.31	1.27	-.03	2.70
.40	NR = 1.00	1.12	4040	16800	1.05	959	76.9	308	1599
	P2 = 9.26	RAM	1.01	1.53	-.69	-.01	.98	1.01	-.07
	T2 = 480	BLEED	.03	-1.14	1.62	-.20	-.66	.03	.64
	ERI = 0	POWER	-.04	2.51	2.32	.29	1.21	-.04	2.57
.50	NR = 1.00	1.19	5290	17200	1.07	970	80.6	322	1607
	P2 = 9.84	RAM	1.01	1.55	-.68	-.00	.99	1.01	-.06
	T2 = 489	BLEED	.04	-1.24	1.64	-.20	-.68	.04	.58
	ERI = 0	POWER	-.05	2.56	2.24	.29	1.19	-.05	2.58
.60	NR = 1.00	1.28	6690	17700	1.10	985	85.4	339	1623
	P2 = 10.58	RAM	1.01	1.56	-.62	-.00	1.00	1.01	-.01
	T2 = 499	BLEED	.04	-1.24	1.69	-.20	-.66	.04	.60
	ERI = 0	POWER	-.06	2.56	2.07	.27	1.12	-.06	2.48
.90	NR = 1.00	1.69	12300	20800	1.17	1041	106.2	415	1681
	P2 = 14.03	RAM	1.00	1.53	-.57	-.00	1.00	1.00	.00
	T2 = 541	BLEED	.06	-1.30	1.84	-.20	-.64	.06	.63
	ERI = 0	POWER	-.07	2.27	1.58	.22	.89	-.07	2.05
1.15	NR = .994	2.26	19000	24100	1.23	1099	130.3	503	1730
	P2 = 18.76	RAM	1.01	1.46	-.49	.00	1.01	1.01	.00
	T2 = 589	BLEED	.06	-1.44	1.94	-.20	-.66	.06	.58
	ERI = 0	POWER	-.05	1.99	1.24	.18	.74	-.05	1.67

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

MO	P2/P0	P8/P0	WFF	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.30	1.06	2.78	16949	1594	1045	20100	17200	.99	472	16.0
	RAM	.92	.90	-.07	+.00	1.36	1.42	-.56	.01	.00
	BLEED	-.60	.41	.63	.01	-.90	-1.05	1.49	.02	.00
	POWER	1.37	5.10	2.70	.01	2.01	2.36	2.67	-.03	.00
.40	1.12	2.88	17549	1599	1045	21400	17400	1.01	469	16.0
	RAM	.91	.89	-.07	-.00	1.34	1.42	-.57	.01	.00
	BLEED	-.57	.45	.64	+.00	-.86	-1.07	1.54	.03	.00
	POWER	1.28	4.89	2.57	.02	1.88	2.33	2.49	-.04	.00
.50	1.19	3.01	18368	1607	1044	23000	17800	1.03	466	16.0
	RAM	.93	.92	-.06	+.01	1.34	1.44	-.56	.01	.00
	BLEED	-.66	.37	.58	.04	-.91	-1.19	1.59	.04	.00
	POWER	1.39	4.86	2.58	+.01	1.89	2.47	2.33	-.05	.00
.60	1.28	3.19	19511	1623	1045	25000	18300	1.07	462	16.0
	RAM	.99	.99	-.01	.01	1.37	1.50	-.55	.01	.00
	BLEED	-.64	.41	.60	.02	-.87	-1.20	1.64	.04	.00
	POWER	1.35	4.69	2.48	-.03	1.79	2.46	2.16	-.06	.00
.90	1.69	3.98	24383	1681	1045	33500	21200	1.15	444	16.0
	RAM	1.00	1.00	.00	+.00	1.30	1.47	-.51	-.00	.00
	BLEED	-.60	.50	.63	.01	-.78	-1.26	1.80	.06	.00
	POWER	1.08	3.91	2.05	-.01	1.37	2.21	1.64	-.07	.00
1.15	2.26	4.90	29806	1730	1045	43600	24600	1.21	420	16.0
	RAM	1.01	1.01	.00	+.00	1.26	1.46	-.48	-.00	.00
	BLEED	-.63	.46	.58	.01	-.78	-1.43	1.93	.06	.00
	POWER	.87	3.27	1.67	.01	1.09	1.97	1.25	-.05	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.9

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 15000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.30	NR =	1.00	1.06	2790	14100	1.01	922	68.0	283	1469
	P2 =	8.83	RAM	1.01	1.62	-.77	-.00	.99	1.01	-.06
	T2 =	474	BLEED	.04	-1.09	1.70	-.17	-.63	.04	.69
	ERI =	0	POWER	-.10	2.98	2.91	.34	1.39	-.10	3.13
.40	NR =	1.00	1.12	3860	14300	1.03	931	70.5	293	1476
	P2 =	9.26	RAM	1.01	1.62	-.77	-.00	.99	1.01	-.06
	T2 =	480	BLEED	.04	-1.15	1.76	-.17	-.63	.04	.68
	ERI =	0	POWER	-.10	3.01	2.70	.33	1.33	-.10	3.02
.50	NR =	1.00	1.19	5040	14600	1.06	942	74.0	307	1486
	P2 =	9.84	RAM	1.01	1.66	-.76	-.00	1.00	1.01	-.03
	T2 =	489	BLEED	.05	-1.25	1.79	-.18	-.65	.05	.64
	ERI =	0	POWER	-.10	2.87	2.47	.30	1.23	-.10	2.80
.60	NR =	1.00	1.28	6330	14600	1.09	953	77.3	321	1484
	P2 =	10.58	RAM	1.01	1.61	-.76	-.00	.99	1.01	-.06
	T2 =	499	BLEED	.04	-1.25	1.88	-.18	-.63	.04	.68
	ERI =	0	POWER	-.09	2.99	2.31	.30	1.22	-.09	2.76

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.9

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.30	1.06	2.50	14210	1469	1067	17500	14700	.97	451	16.0
	RAM	.93	.91	-.06	.00	1.43	1.50	-.64	.01	.00
	BLEED	-.55	.58	.69	.00	-.86	-1.03	1.63	.04	.00
	POWER	1.54	5.96	3.13	-.01	2.32	2.78	3.10	-.10	.00
.40	1.12	2.59	14733	1476	1067	18700	14800	.99	448	16.0
	RAM	.93	.91	-.06	-.00	1.41	1.51	-.64	.01	.00
	BLEED	-.56	.57	.68	.01	-.85	-1.09	1.68	.04	.00
	POWER	1.48	5.78	3.02	-.00	2.20	2.80	2.90	-.10	.00
.50	1.19	2.71	15438	1486	1067	20100	15100	1.02	444	16.0
	RAM	.97	.96	-.03	-.03	1.42	1.55	-.64	.01	.00
	BLEED	-.62	.51	.64	.05	-.88	-1.19	1.74	.05	.00
	POWER	1.29	5.41	2.80	.08	1.98	2.67	2.68	-.10	.00
.60	1.28	2.82	15952	1484	1067	21400	15100	1.06	437	16.0
	RAM	.92	.90	-.06	-.00	1.36	1.51	-.65	.01	.00
	BLEED	-.55	.60	.68	-.00	-.82	-1.18	1.81	.04	.00
	POWER	1.34	5.37	2.76	.00	1.96	2.82	2.48	-.09	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 8.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
.30	NR =	1.00	2780	12900	.96	924	68.3	281	1357
	P2 =	8.83	RAM 1.01	1170	-.86	-.00	.99	1.01	-.06
	T2 =	474	BLEED .06	-1.19	1.82	-.20	-.63	.06	.64
	ERI =	0	POWER -.12	3.12	3.03	.34	1.41	-.12	3.15
.40	NR =	1.00	3830	13000	.99	933	70.8	291	1364
	P2 =	9.26	RAM 1.01	1169	-.86	-.00	.99	1.01	-.06
	T2 =	480	BLEED .07	-1121	1.85	-.20	-.62	.07	.63
	ERI =	0	POWER -.12	3108	2.85	.33	1.35	-.12	3.02
.50	NR =	1.00	4990	13100	1.02	943	73.8	303	1367
	P2 =	9.84	RAM 1.01	1168	-.84	-.00	.99	1.01	-.06
	T2 =	489	BLEED .07	-1.28	1.93	-.20	-.62	.07	.63
	ERI =	0	POWER -.11	3.12	2.63	.32	1.30	-.11	2.91
.60	NR =	1.00	6240	13000	1.05	953	77.0	316	1365
	P2 =	10.58	RAM 1.01	1169	-.86	-.00	.99	1.01	-.06
	T2 =	499	BLEED .07	-1138	2.03	-.21	-.63	.07	.62
	ERI =	0	POWER -.10	3122	2.43	.31	1.27	-.10	2.82

CONFIDENTIAL

GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 8.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

MO	R2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.30	1.06	2.37	12405	1357	1070	16200	13400	.92	447	16.0
	RAM	.93	.91	-.06	+.00	1.46	1.55	-.69	.01	.00
	BLEED	-.58	.60	.64	.02	-.90	-1.09	1.72	.06	.00
	POWER	1.50	6.23	3.15	.02	2.33	2.84	3.31	-.12	.00
.40	1.12	2.46	12855	1364	1070	17400	13500	.95	445	16.0
	RAM	.93	.91	-.06	+.00	1.44	1.56	-.70	.01	.00
	BLEED	-.58	.61	.63	.02	-.88	-1.15	1.78	.07	.00
	POWER	1.43	6.01	3.02	.03	2.20	2.85	3.08	-.12	.00
.50	1.19	2.56	13311	1367	1070	18600	13600	.98	440	16.0
	RAM	.93	.91	-.06	+.00	1.41	1.56	-.71	.01	.00
	BLEED	-.57	.61	.63	.02	-.87	-1.21	1.86	.07	.00
	POWER	1.37	5.83	2.91	.02	2.09	2.89	2.86	-.11	.00
.60	1.28	2.66	13690	1365	1070	19700	13500	1.02	431	16.0
	RAM	.93	.90	-.06	+.00	1.39	1.57	-.72	.01	.00
	BLEED	-.58	.61	.62	.01	-.86	-1.29	1.95	.07	.00
	POWER	1.34	5.72	2.82	.02	2.01	2.99	2.66	-.10	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 15000 FEET

MO		P2/PO	FD	RN	SFC	TE	PE	W2	TC
.30	NR = 1.00	1.06	2500	9210	.98	878	57.8	253	1194
	P2 = 8.83	RAM	1.01	1176	-1.15	-.02	.95	1.01	-.17
	T2 = 474	BLEED	.05	-1.35	2.08	-.20	-.65	.05	.64
	ERI = 0	POWER	-.12	4134	3.91	.46	1.82	-.12	3.98
.40	NR = 1.00	1.12	3420	8890	1.02	884	59.0	260	1187
	P2 = 9.26	RAM	1.01	1176	-1.15	-.01	.95	1.01	-.17
	T2 = 480	BLEED	.04	-1.42	2.26	-.19	-.63	.04	.68
	ERI = 0	POWER	-.12	5.07	3.61	.48	1.89	-.12	4.19
.50	NR = 1.00	1.19	4400	8590	1.07	891	60.7	268	1182
	P2 = 9.84	RAM	1.01	1191	-1.19	-.01	.98	1.01	-.09
	T2 = 489	BLEED	.04	-1.62	2.41	-.20	-.66	.04	.63
	ERI = 0	POWER	-.09	5127	3.19	.43	1.83	-.09	3.99
.60	NR = 1.00	1.28	5480	8240	1.12	899	62.7	278	1174
	P2 = 10.58	RAM	1.01	2104	-1.28	-.00	.99	1.01	-.05
	T2 = 499	BLEED	.03	-1.77	2.61	-.20	-.66	.03	.64
	ERI = 0	POWER	-.07	5.61	2.79	.40	1.79	-.07	3.87
.80	NR = 1.00	1.69	9300	6960	1.31	927	69.6	314	1130
	P2 = 14.03	RAM	1.00	2130	-1.61	-.01	.98	1.00	-.06
	T2 = 541	BLEED	.01	-2.63	3.50	-.21	-.71	.01	.55
	ERI = 0	POWER	-.03	6196	1.43	.37	1.68	-.03	3.51
1.15	NR = .994	2.26	13400	6640	1.53	955	75.8	354	1169
	P2 = 18.76	RAM	1.01	2134	-1.65	-.00	.98	1.01	-.06
	T2 = 589	BLEED	.01	-3.09	4.09	-.17	-.70	.01	.57
	ERI = 0	POWER	-.02	6186	.54	.25	1.42	-.02	2.91

CONFIDENTIAL

GENERAL ELECTRIC G84/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

MO	P2/PO	P8/PO	WFT	T8	AB	FGB	FNB	SFCB	W2K	BTANG
.30	IG6	1.97	9029	1194	1095	12200	9740	.93	403	16.0
	RAM	.79	.71	-.17	.00	1.45	1.56	-.92	.01	.00
	BLEED	-.57	.69	.64	.05	-1.00	-1.27	2.00	.05	.00
	POWER	1.79	8.36	3.98	+.08	3.18	4.03	4.21	-.12	.00
.40	1.12	2.01	9075	1187	1095	12800	9410	.96	396	16.0
	RAM	.79	.71	-.17	.01	1.44	1.59	-.96	.01	.00
	BLEED	-.54	.79	.68	.01	-.96	-1.32	2.15	.04	.00
	POWER	2.14	8.81	4.19	+.09	3.48	4.78	3.90	-.12	.00
.50	1.19	2.06	9173	1162	1095	13500	9110	1.01	388	16.0
	RAM	.89	.84	-.09	+.01	1.52	1.77	-1.02	.01	.00
	BLEED	-.59	.73	.63	+.00	-1.00	-1.50	2.29	.04	.00
	POWER	2.05	8.59	3.99	+.08	3.30	4.93	3.53	-.09	.00
.60	1.28	2.12	9251	1174	1095	14200	8740	1.06	378	16.0
	RAM	.94	.90	-.05	.00	1.54	1.87	-1.08	.01	.00
	BLEED	-.58	.77	.64	+.02	-.98	-1.61	2.44	.03	.00
	POWER	2.03	8.52	3.87	-.10	3.18	5.21	3.18	-.07	.00
.90	1.69	2.34	9122	1130	1095	16700	7360	1.24	336	16.0
	RAM	.92	.87	-.06	.00	1.45	2.02	-1.27	.00	.00
	BLEED	-.66	.74	.55	.01	-1.04	-2.37	3.22	.01	.00
	POWER	1.76	8.47	3.51	.01	2.74	6.23	2.13	-.03	.00
1.15	2.26	2.67	10153	1169	1095	20300	6930	1.47	295	16.0
	RAM	.93	.88	-.06	+.00	1.39	2.13	-1.39	.00	.00
	BLEED	-.66	.81	.57	.02	-.98	-2.90	3.88	.01	.00
	POWER	1.43	7.43	2.91	.03	2.15	6.34	1.03	-.02	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.10.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

MO		PZAPO	FD	FN	SFC	TE	PE	W2	TC
.30	NR =	1.00	2120	5460	1.11	823	45.7	214	1049
	P2 =	8.83	RAM 1.01	1.72	-1.44	-.03	.88	1.01	-.33
	T2 =	474	BLEED .01	-1.55	2.55	-.20	-.65	.01	.72
	ERI =	0	POWER -.04	6.25	4.77	.53	2.35	-.04	4.76
.40	NR =	1.00	2880	5010	1.20	827	46.4	219	1038
	P2 =	9.26	RAM 1.01	1.82	-1.55	-.03	.89	1.01	-.32
	T2 =	480	BLEED .01	-1.74	2.80	-.20	-.65	.01	.72
	ERI =	0	POWER -.04	7.14	4.11	.53	2.36	-.04	4.78
.50	NR =	1.00	3690	4530	1.31	832	47.3	225	1024
	P2 =	9.84	RAM 1.01	1.97	-1.72	-.03	.89	1.01	-.30
	T2 =	489	BLEED .01	-2.00	3.12	-.20	-.65	.01	.72
	ERI =	0	POWER -.03	7.66	3.50	.51	2.28	-.03	4.58
.60	NR =	1.00	4570	3980	1.45	838	48.4	232	1006
	P2 =	10.58	RAM 1.01	2.18	-1.95	-.02	.90	1.01	-.29
	T2 =	499	BLEED .01	-2.25	3.66	-.14	-.60	.01	.81
	ERI =	0	POWER -.03	9.31	2.34	.50	2.30	-.03	4.63

CONFIDENTIAL

GENERAL ELECTRIC G84/J5G ESTIMATED PERFORMANCE

P.S.10.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

15000 FEET

MO	P2/PO	P8/PO	WFT	T8	AB	FG8	FNB	SFCB	W2K	BTANG
.30	1.06	1.60	6082	1049	1120	8190	6070	1.00	341	16.0
	RAM	.58	.40	-.33	-.00	1.42	1.57	-1.27	.01	.00
	BLEED	-.43	.94	.72	.01	-1.04	-1.41	2.40	.01	.00
	POWER	1.74	11.17	4.76	.01	4.17	5.64	5.38	-.04	.00
.40	1.12	1.62	6015	1038	1120	8510	5630	1.07	334	16.0
	RAM	.59	.41	-.32	.00	1.43	1.64	-1.34	.01	.00
	BLEED	-.42	.98	.72	-.01	-1.02	-1.55	2.60	.01	.00
	POWER	1.79	11.41	4.78	-.02	4.19	6.36	4.89	-.04	.00
.50	1.19	1.64	5919	1024	1120	8840	5150	1.15	326	16.0
	RAM	.62	.43	-.30	-.01	1.44	1.74	-1.44	.01	.00
	BLEED	-.42	1.03	.72	-.03	-1.01	-1.74	2.85	.01	.00
	POWER	1.58	11.30	4.58	.20	3.84	6.62	4.52	-.03	.00
.60	1.28	1.67	5782	1006	1119	9170	4600	1.26	315	16.0
	RAM	.64	.44	-.29	-.01	1.45	1.88	-1.59	.01	.00
	BLEED	-.43	1.29	.81	.02	-.97	-1.94	3.33	.01	.00
	POWER	1.73	11.77	4.63	.08	3.95	7.92	3.70	-.03	.00

CONFIDENTIAL

GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.9.11.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 15000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.30	NR = 1.00	1.06	1750	2390	1.59	768	34.9	177	909
	P2 = 8.83	RAM	1.01	1170	-1.98	-.04	.80	1.01	-.55
	T2 = 474	BLEED	.01	-1179	3.42	-.16	-.57	.01	.89
	ERI = 0	POWER	-.05	9170	5.61	.54	2.93	-.05	5.62
.40	NR = 1.00	1.12	2380	1940	1.92	773	35.5	181	896
	P2 = 9.26	RAM	1.01	1195	-2.30	-.04	.80	1.01	-.54
	T2 = 480	BLEED	.01	-2.38	4.10	-.16	-.58	.01	.87
	ERI = 0	POWER	-.05	12.59	3.29	.57	2.94	-.05	5.64
.50	NR = 1.00	1.19	3060	1440	2.49	778	36.2	186	879
	P2 = 9.84	RAM	1.01	2.34	-2.83	-.04	.81	1.01	-.53
	T2 = 489	BLEED	.02	-3.44	5.35	-.17	-.59	.02	.83
	ERI = 0	POWER	-.05	17.79	-.93	.57	2.96	-.05	5.68
.60	NR = 1.00	1.28	3800	910	3.78	785	37.1	193	860
	P2 = 10.58	RAM	1.01	3122	-4.07	-.04	.81	1.01	-.52
	T2 = 499	BLEED	.02	-5192	8.30	-.18	-.62	.02	.77
	ERI = 0	POWER	-.05	29.98	-11.14	.58	2.92	-.05	5.62
.90	NR = 1.00	1.69	6560	-920	-2.910	813	40.9	222	787
	P2 = 14.03	RAM	1.00	-1.82	1.28	-.03	.82	1.00	-.46
	T2 = 541	BLEED	.01	7.17	-4.26	-.18	-.64	.01	.74
	ERI = 0	POWER	-.02	-34178	67.37	.51	2.88	-.02	5.51

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FN8	SFCB	W2K	BTANG
.30	1.06	1.27	3804	909	1258	4550	2800	1.36	281	13.0
	RAM	.31	-.11	-.55	.01	1.37	1.59	-1.85	.01	.00
	BLEED	-.23	1.54	.89	.01	-1.00	-1.63	3.25	.01	.00
	POWER	1.27	15.51	5.62	-.02	5.43	8.84	6.47	-.05	.00
.40	1.12	1.28	3712	896	1257	4740	2360	1.57	276	13.0
	RAM	.33	-.12	-.54	+.01	1.40	1.79	-2.09	.01	.00
	BLEED	-.25	1.57	.87	.02	-1.03	-2.09	3.78	.01	.00
	POWER	1.32	16.04	5.64	+.05	5.46	11.03	4.82	-.05	.00
.50	1.19	1.29	3579	879	1257	4930	1870	1.91	270	13.0
	RAM	.34	-.16	-.53	+.01	1.40	2.03	-2.44	.01	.00
	BLEED	-.27	1.63	.83	.03	-1.06	-2.83	4.65	.02	.00
	POWER	1.37	16.80	5.68	+.06	5.49	14.55	2.14	-.05	.00
.60	1.28	1.30	3426	860	1258	5160	1350	2.54	263	13.0
	RAM	.35	-.19	-.52	.01	1.39	2.46	-3.02	.01	.00
	BLEED	-.27	1.64	.77	+.01	-1.09	-4.19	6.22	.02	.00
	POWER	1.52	17.58	5.62	+.26	5.61	21.54	-3.66	-.05	.00
.90	1.69	1.37	2683	787	1257	6130	-430	-6.230	237	13.0
	RAM	.41	-.43	-.46	.01	1.40	-4.74	3.48	.00	.00
	BLEED	-.33	2.45	.74	+.02	-1.11	15.93	-10.88	.01	.00
	POWER	1.77	22.95	5.51	+.30	5.52	-78.74	150.43	-.02	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.13.8

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

MO		P2/PG	FD	FN	WFT	TE	PE	W2
.30	NR = 1.00	1.06	1030	310	2368	655	19.3	105
	P2 = 8.83	RAM	1.02	.34	-1.21	-.13	.49	1.02
	T2 = 474	BLEED	.02	-4.14	1.39	-.18	-.49	.02
	ERI = 0	POWER	-.15	73.70	32.90	1.55	6.22	-.15
.60	NR = 1.00	1.28	2290	-830	1816	662	20.1	116
	P2 = 10.58	RAM	1.02	1.07	-1.67	-.13	.50	1.02
	T2 = 499	BLEED	.01	2.18	1.56	-.21	-.57	.01
	ERI = 0	POWER	-.09	-19.29	37.73	1.50	6.04	-.09
.90	NR = 1.00	1.69	4710	-2400	1200	716	25.5	159
	P2 = 14.03	RAM	2.01	.76	.00	.33	1.88	2.01
	T2 = 541	BLEED	-1.16	1.22	.00	-.68	-2.13	-1.16
	ERI = 100	POWER	-17.46	-5.38	.00	-5.99	-17.76	-17.46

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 13.8

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

MO	P2/RO	TC	P8/PO	T8	PCN	FG8	FNB	W2K	BTANG
.30	1.06	925	1.07	925	61.0	1450	420	167	13.0
	RAM	-1.14	.05	-1.14	.00	.86	.46	.02	.00
	BLEED	.98	-.06	.98	.00	-.93	-3.26	.02	.00
	POWER	13.28	1.34	13.28	.00	16.60	58.02	-.15	.00
.60	1.28	811	1.07	811	61.0	1590	-700	158	13.0
	RAM	-1.08	.07	-1.08	.00	.98	1.10	.02	.00
	BLEED	.79	-.09	.79	.00	-1.20	2.74	.01	.00
	POWER	11.61	.69	11.61	.00	10.62	-24.27	-.09	.00
.90	1.69	692	1.12	692	65.6	2490	-2220	170	13.0
	RAM	-.47	.35	-.47	.50	3.27	.59	1.06	.00
	BLEED	.22	-.36	.22	-.55	-3.60	1.56	-1.16	.00
	POWER	1.28	-2.96	1.28	-8.21	-29.68	-3.75	-17.46	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.16.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 15000 FEET

MO		P2/PO	FD	FN	WFT	TE	PE	W2	
.30	NR =	1.00	1.06	640	-110	1544	562	12.7	64
	P2 =	8.83	RAM	1.05	3.33	-2.04	-.17	.22	1.05
	T2 =	474	BLEED	.03	5.74	1.31	-.10	-.33	.03
	ERI =	0	POWER	-.56	-113.22	70.21	1.90	9.46	-.56
.60	NR =	1.00	1.28	1680	-930	1200	596	14.6	85
	P2 =	10.58	RAM	2.86	1.71	-.00	.46	1.87	2.86
	T2 =	499	BLEED	-1.15	.60	.00	-.54	-1.44	-1.15
	ERI =	100	POWER	-49.91	-23.03	.00	-14.49	-35.49	-49.91
.90	NR =	1.00	1.69	3390	-2340	336	629	16.8	115
	P2 =	14.03	RAM	2.68	1.64	2.31	.58	2.31	2.68
	T2 =	541	BLEED	-.84	.56	-1.70	-.57	-1.70	-.84
	ERI =	100	POWER	-38.79	-15.72	-37.52	-11.81	-37.52	-38.79

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.16.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 15000 FEET

MO	P2/PO	TC	P8/PO	T8	PCN	FG8	FNB	W2K	BTANG
.30	1.06	947	1.03	947	45.0	570	-60	102	13.0
	RAM	-1.66	.02	-1.66	.00	.58	5.35	.06	.00
	BLEED	1.09	-.04	1.09	.00	-1.16	10.71	.03	.00
	POWER	31.57	.39	31.52	.00	22.89-211.79		-.56	.00
.60	1.28	777	1.04	777	50.2	820	-860	116	13.0
	RAM	-1.17	.15	-1.17	1.14	4.27	1.53	1.96	.00
	BLEED	.66	-.11	.66	-.64	-3.28	.89	-1.15	.00
	POWER	13.96	-2.98	13.96	-26.82	-82.64	-18.78	-49.91	.00
.90	1.69	595	1.05	595	54.1	1130	-2260	123	13.0
	RAM	-.03	.26	-.03	1.13	5.00	1.52	1.77	.00
	BLEED	-.14	-.21	-.14	-.67	-3.94	.72	-.84	.00
	POWER	-4.13	-5.15	-4.13	-29.84	-89.98	-13.04	-38.79	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.30	NR =	1.00	1.06	2950	28200	1.77	1048	79.2	287	2059
	P2 =	8.83	RAM	1.01	1.02	-1.07	.00	1.01	1.01	.00
	T2 =	514	BLEED	.03	-1.28	1.30	-.30	-.97	.03	-.01
	ERI =	0	POWER	-.00	-.75	.76	.03	.09	-.00	.00
.40	NR =	1.00	1.12	4070	28600	1.75	1056	82.1	297	2059
	P2 =	9.26	RAM	1.01	1.01	-1.07	.00	1.01	1.01	.00
	T2 =	521	BLEED	.04	-1.35	1.37	-.27	-.95	.04	-.00
	ERI =	0	POWER	-.00	-.79	.80	.03	.09	-.00	.00
.50	NR =	1.00	1.19	5320	29000	1.72	1068	85.8	310	2059
	P2 =	9.84	RAM	1.01	1.00	-1.05	.00	1.01	1.01	.00
	T2 =	531	BLEED	.05	-1.36	1.39	-.27	-.94	.05	-.00
	ERI =	0	POWER	-.00	-.78	.79	.02	.09	-.00	.00
.60	NR =	1.00	1.28	6730	29400	1.70	1082	90.5	327	2059
	P2 =	10.58	RAM	1.01	.98	-1.03	.00	1.01	1.01	.00
	T2 =	542	BLEED	.07	-1.41	1.44	-.26	-.92	.07	.00
	ERI =	0	POWER	-.01	-.79	.80	.02	.09	-.01	.00
.90	NR =	1.00	1.69	12400	31400	1.59	1139	110.9	401	2059
	P2 =	14.03	RAM	1.01	.90	-.94	.00	1.01	1.01	.00
	T2 =	587	BLEED	.09	-1.43	1.46	-.26	-.89	.09	-.00
	ERI =	0	POWER	-.01	-.71	.71	.02	.09	-.01	.00
1.15	NR =	.994	2.26	19200	33000	1.52	1200	135.1	488	2059
	P2 =	18.76	RAM	1.01	.89	-.93	.00	1.01	1.01	-.00
	T2 =	639	BLEED	.08	-1.66	1.70	-.27	-.90	.08	.00
	ERI =	0	POWER	-.01	-.52	.53	.02	.08	-.01	-.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO	R2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	WZK	BTANG
.30	11.06	3.35	50000	3326	1262	31500	28600	1.75	475	13.0
	RAM	1.04	.00	-.60	+.40	1.04	1.04	-1.10	.01	.00
	BLEED	-1.42	.00	.47	.74	-1.20	-1.33	1.35	.03	.00
	POWER	-1.89	.00	-.25	1.73	-.83	-.92	.92	-.00	.00
.40	11.12	3.46	50000	3261	1249	33100	29000	1.72	473	13.0
	RAM	1.04	.00	-.63	+.41	1.02	1.02	-1.07	.01	.00
	BLEED	-1.46	.00	.47	.78	-1.19	-1.37	1.39	.04	.00
	POWER	-1.82	.00	-.26	1.66	-.78	-.89	.90	-.00	.00
.50	11.19	3.60	50000	3180	1235	34700	29400	1.70	469	13.0
	RAM	1.04	.00	-.64	+.41	1.00	1.00	-1.05	.01	.00
	BLEED	-1.45	.00	.46	.77	-1.16	-1.38	1.41	.05	.00
	POWER	-1.73	.00	-.26	1.56	-.73	-.86	.87	-.00	.00
.60	11.28	3.78	50000	3082	1219	36500	29800	1.68	465	13.0
	RAM	1.04	.00	-.66	+.41	.98	.97	-1.02	.01	.00
	BLEED	-1.43	-.00	.46	.75	-1.13	-1.40	1.43	.07	.00
	POWER	-1.60	.00	-.25	1.42	-.66	-.81	.82	-.01	.00
.90	11.69	4.53	50000	2727	1160	44000	31700	1.58	447	13.0
	RAM	1.04	.00	-.73	+.44	.90	.86	-.90	.01	.00
	BLEED	-1.38	.00	.51	.76	-1.00	-1.43	1.46	.09	.00
	POWER	-1.27	.00	-.26	1.09	-.50	-.70	.70	-.01	.00
1.15	21.26	5.42	50000	2442	1108	52600	33400	1.50	425	13.0
	RAM	1.03	.00	-.56	+.33	.95	.92	-.96	-.00	.00
	BLEED	-1.35	.00	.32	.61	-1.05	-1.70	1.74	.08	.00
	POWER	-1.09	-.00	-.21	.95	-.38	-.60	.60	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.30	NR =	1.00	1.06	2950	26700	1.65	1049	79.5	287	2059
	P2 =	8.83	RAM	1.01	1447	-.53	.00	1.01	1.01	.00
	T2 =	514	BLEED	.03	-1467	.92	-.32	-.97	.03	-.01
	ERI =	0	POWER	-.00	-465	1.05	.03	.09	-.00	.00
.40	NR =	1.00	1.12	4070	27500	1.66	1057	82.3	297	2059
	P2 =	9.26	RAM	1.01	1448	-.53	.00	1.01	1.01	.00
	T2 =	521	BLEED	.03	-1474	.99	-.29	-.96	.03	-.01
	ERI =	0	POWER	-.00	-468	1.06	.03	.09	-.00	.00
.50	NR =	1.00	1.19	5320	28400	1.67	1069	86.0	310	2059
	P2 =	9.84	RAM	1.01	1446	-.50	.00	1.01	1.01	.00
	T2 =	531	BLEED	.05	-1473	1.00	-.27	-.94	.05	-.00
	ERI =	0	POWER	-.00	-464	1.01	.02	.09	-.00	.00
.60	NR =	1.00	1.28	6730	29400	1.69	1083	90.8	327	2059
	P2 =	10.58	RAM	1.01	1444	-.48	.00	1.01	1.01	.00
	T2 =	542	BLEED	.07	-1.76	1.05	-.26	-.92	.07	-.00
	ERI =	0	POWER	-.01	-.67	.96	.02	.09	-.01	.00
.90	NR =	1.00	1.69	12400	31400	1.59	1139	111.2	401	2059
	P2 =	14.03	RAM	1.01	488	-.92	.00	1.01	1.01	-.00
	T2 =	587	BLEED	.10	-1436	1.39	-.26	-.88	.10	.00
	ERI =	0	POWER	-.01	-463	.64	.02	.09	-.01	-.00
1.15	NR =	.994	2.26	19200	33000	1.51	1201	135.6	488	2059
	P2 =	19.76	RAM	1.01	489	-.93	.00	1.01	1.01	-.00
	T2 =	639	BLEED	.08	-1466	1.70	-.27	-.89	.08	.00
	ERI =	0	POWER	-.01	-452	.53	.02	.08	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY ± 40 F PRESSURE ALTITUDE 15000 FEET

MO	R2/PO	P8/PO	MFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.30	11.06	3.37	44171	3080	1196	30200	27300	1.62	475	13.0
	RAM	1.01	.99	-.01	*.01	1.36	1.40	-.44	.01	.00
	BLEED	-1.36	-.78	-.01	.38	-1.46	-1.62	.86	.03	.00
	POWER	-1.88	.39	-.03	1.83	-.68	-.76	1.15	-.00	.00
.40	11.12	3.49	45594	3079	1199	32100	28000	1.63	472	13.0
	RAM	1.01	.99	-.01	*.00	1.35	1.40	-.44	.01	.00
	BLEED	-1.41	-.77	-.01	.43	-1.45	-1.67	.92	.03	.00
	POWER	-1.82	.37	-.03	1.77	-.64	-.74	1.12	-.00	.00
.50	11.19	3.62	47467	3077	1205	34200	28800	1.65	469	13.0
	RAM	1.01	.99	-.01	*.01	1.34	1.40	-.44	.01	.00
	BLEED	-1.42	-.75	-.01	.46	-1.42	-1.70	.97	.05	.00
	POWER	-1.73	.36	-.04	1.67	-.60	-.71	1.07	-.00	.00
.60	11.28	3.79	49830	3076	1212	36600	29800	1.67	465	13.0
	RAM	1.01	.99	-.01	*.01	1.33	1.40	-.43	.01	.00
	BLEED	-1.41	-.73	-.01	.46	-1.38	-1.71	1.01	.07	.00
	POWER	-1.61	.28	-.08	1.53	-.56	-.69	.97	-.01	.00
.80	11.69	4.95	50000	2728	1155	44100	31700	1.58	447	13.0
	RAM	1.04	.00	-.73	*.44	.90	.86	-.90	.01	.00
	BLEED	-1.38	.00	.51	.75	-.99	-1.42	1.45	.10	.00
	POWER	-1.27	.00	-.26	1.09	-.50	-.69	.69	-.01	.00
1.15	21.26	5.45	50000	2443	1103	52700	33500	1.49	424	13.0
	RAM	1.03	.00	-.56	*.33	.95	.92	-.96	-.00	.00
	BLEED	-1.34	.00	.32	.60	-1.04	-1.69	1.73	.08	.00
	POWER	-1.08	.00	-.21	.94	-.38	-.59	.60	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC 684/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.30	NR =	1.00	1.06	2950	23700	1.46	1050	79.8	287	2059
	P2 =	8.83	RAM	1.01	1452	-.57	.00	1.01	1.01	.00
	T2 =	514	BLEED	.03	-1471	.99	-.33	-.96	.03	-.01
	ERI =	0	POWER	-.00	-.59	1.06	.03	.09	-.00	.00
.40	NR =	1.00	1.12	4070	24300	1.47	1059	82.6	297	2059
	P2 =	9.26	RAM	1.01	1452	-.57	.00	1.01	1.01	.00
	T2 =	521	BLEED	.03	-1475	1.05	-.30	-.96	.03	-.01
	ERI =	0	POWER	-.00	-.56	1.02	.03	.09	-.00	.00
.50	NR =	1.00	1.19	5320	25000	1.48	1070	86.3	310	2059
	P2 =	9.84	RAM	1.01	1449	-.54	.00	1.01	1.01	.00
	T2 =	531	BLEED	.05	-1476	1.06	-.28	-.94	.05	-.02
	ERI =	0	POWER	-.00	-.51	.95	.03	.09	-.00	.00
.60	NR =	1.00	1.28	6730	25800	1.51	1084	91.0	327	2059
	P2 =	10.58	RAM	1.01	1449	-.53	.00	1.01	1.01	.00
	T2 =	542	BLEED	.07	-1.79	1.13	-.26	-.92	.07	-.01
	ERI =	0	POWER	-.01	-.49	.91	.02	.09	-.01	.00
.90	NR =	1.00	1.69	12400	30100	1.55	1140	111.5	401	2059
	P2 =	14.03	RAM	1.01	1444	-.48	.00	1.01	1.01	-.00
	T2 =	587	BLEED	.10	-1.80	1.19	-.25	-.87	.10	-.00
	ERI =	0	POWER	-.01	-.36	.71	.02	.09	-.01	-.00
1.15	NR =	.994	2.26	19200	33100	1.51	1202	136.0	488	2059
	P2 =	18.76	RAM	1.01	1489	-.93	-.00	1.01	1.01	.00
	T2 =	639	BLEED	.08	-1466	1.70	-.27	-.89	.08	.00
	ERI =	0	POWER	-.01	-.52	.53	.02	.08	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO	P2/PO	R8/PO	WFT	T8	A8	FG8	FNB	SFC8	W2K	BTANG
.30	11.06	3.42	34544	2598	1076	27500	24600	1.41	475	13.0
	RAM	1.01	.99	-.01	-.00	1.35	1.40	-.43	.01	.00
	BLEED	-1.32	-.74	-.00	.34	-1.43	-1.60	.89	.03	.00
	POWER	-1.85	.47	.00	1.81	-.65	-.72	1.20	-.00	.00
.40	11.12	3.93	35639	2597	1078	29200	25100	1.42	472	13.0
	RAM	1.01	.99	-.01	-.00	1.34	1.40	-.44	.01	.00
	BLEED	-1.37	-.73	-.00	.40	-1.43	-1.67	.96	.03	.00
	POWER	-1.79	.45	.00	1.75	-.61	-.70	1.16	-.00	.00
.50	11.19	3.67	37079	2596	1083	31100	25800	1.44	469	13.0
	RAM	1.01	.99	-.01	-.00	1.33	1.40	-.43	.01	.00
	BLEED	-1.41	-.72	-.01	.45	-1.41	-1.71	1.01	.05	.00
	POWER	-1.71	.43	-.00	1.67	-.56	-.68	1.12	-.00	.00
.60	11.28	3.84	38892	2595	1089	33300	26600	1.46	464	13.0
	RAM	1.01	1.00	-.01	-.00	1.32	1.40	-.43	.01	.00
	BLEED	-1.40	-.69	-.00	.46	-1.37	-1.73	1.07	.07	.00
	POWER	-1.60	.41	-.01	1.56	-.51	-.63	1.05	-.01	.00
.90	11.69	4.59	46603	2590	1114	42900	30500	1.53	446	13.0
	RAM	1.01	1.00	-.01	-.00	1.28	1.39	-.42	.01	.00
	BLEED	-1.34	-.64	-.00	.44	-1.26	-1.81	1.21	.10	.00
	POWER	-1.27	.35	-.01	1.24	-.35	-.49	.85	-.01	.00
1.15	21.26	5.47	50000	2444	1099	52700	33500	1.49	424	13.0
	RAM	1.03	.00	-.56	-.33	.95	.91	-.96	.00	.00
	BLEED	-1.34	.00	.32	.60	-1.04	-1.68	1.73	.08	.00
	POWER	-1.07	.00	-.21	.94	-.37	-.58	.59	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.30	NR =	1.00	1.06	2950	20200	1.23	1052	80.0	287	2059
	P2 =	8.83	RAM	1.01	1.58	-.62	.00	1.01	1.01	.00
	T2 =	514	BLEED	.03	-1.75	1.12	-.33	-.96	.03	-.01
	ERI =	0	POWER	-.00	-.40	1.02	.03	.09	-.00	.00
.40	NR =	1.00	1.12	4070	20600	1.24	1060	82.8	297	2059
	P2 =	9.26	RAM	1.01	1.57	-.62	.00	1.01	1.01	.00
	T2 =	521	BLEED	.03	-1.74	1.13	-.31	-.95	.03	-.00
	ERI =	0	POWER	-.00	-.33	.92	.03	.09	-.00	.00
.50	NR =	1.00	1.19	5320	21100	1.26	1071	86.6	310	2059
	P2 =	9.84	RAM	1.01	1.55	-.59	.00	1.01	1.01	.00
	T2 =	531	BLEED	.05	-1.80	1.20	-.29	-.93	.05	-.00
	ERI =	0	POWER	-.00	-.35	.93	.03	.09	-.00	.00
.60	NR =	1.00	1.28	6730	21800	1.28	1085	91.3	327	2059
	P2 =	10.58	RAM	1.01	1.55	-.59	.00	1.01	1.01	-.00
	T2 =	542	BLEED	.07	-1.87	1.29	-.26	-.91	.07	-.01
	ERI =	0	POWER	-.01	-.39	.93	.02	.09	-.01	.00
.90	NR =	1.00	1.69	12400	25100	1.32	1141	111.9	401	2059
	P2 =	14.03	RAM	1.01	1.51	-.54	.00	1.01	1.01	-.00
	T2 =	587	BLEED	.11	-1.95	1.45	-.25	-.86	.11	-.00
	ERI =	0	POWER	-.01	-.40	.86	.02	.09	-.01	-.00
1.15	NR =	.994	2.26	19200	28900	1.36	1203	136.3	488	2059
	P2 =	18.76	RAM	1.01	1.46	-.49	-.00	1.01	1.01	.00
	T2 =	639	BLEED	.08	-2.15	1.65	-.26	-.88	.08	.00
	ERI =	0	POWER	-.01	-.40	.79	.02	.08	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO	P2/PO	PS/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.30	11.06	3.46	24857	2111	949	24600	21600	1.15	475	13.0
	RAM	1.01	1.00	.00	.00	1.35	1.40	-.43	.01	.00
	BLEED	-1.30	-.66	-.01	.32	-1.42	-1.62	.98	.03	.00
	POWER	-1.82	.61	.00	1.79	-.62	-.71	1.33	-.00	.00
.40	11.12	3.57	25617	2111	951	26100	22000	1.16	472	13.0
	RAM	1.01	1.00	.00	.00	1.34	1.40	-.43	.01	.00
	BLEED	-1.32	-.64	-.00	.35	-1.40	-1.67	1.05	.03	.00
	POWER	-1.76	.59	.00	1.73	-.58	-.69	1.29	-.00	.00
.50	11.19	3.71	26621	2111	956	27800	22500	1.18	469	13.0
	RAM	1.01	1.00	.00	.00	1.33	1.41	-.43	.01	.00
	BLEED	-1.36	-.63	-.01	.40	-1.39	-1.73	1.12	.05	.00
	POWER	-1.68	.67	.00	1.65	-.54	-.67	1.25	-.00	.00
.60	11.28	3.89	27882	2111	961	29700	23000	1.21	464	13.0
	RAM	1.00	1.00	-.00	.00	1.32	1.41	-.43	.01	.00
	BLEED	-1.39	-.62	-.01	.45	-1.36	-1.78	1.20	.07	.00
	POWER	-1.58	.54	.00	1.54	-.49	-.63	1.18	-.01	.00
.70	1.69	4.64	33198	2111	984	38300	25900	1.28	446	13.0
	RAM	1.01	1.01	.00	.00	1.27	1.40	-.42	.01	.00
	BLEED	-1.33	-.55	-.00	.43	-1.24	-1.89	1.38	.11	.00
	POWER	-1.25	.45	.00	1.21	-.34	-.49	.95	-.01	.00
1.15	12.26	5.53	39138	2111	1005	48700	29400	1.33	424	13.0
	RAM	1.01	1.01	.00	.00	1.24	1.39	-.41	.00	.00
	BLEED	-1.31	-.55	-.00	.39	-1.22	-2.07	1.57	.08	.00
	POWER	-1.06	.88	-.00	1.03	-.25	-.41	.80	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MC		P2APO	FD	FN	SFC	TE	PE	W2	TC
.30	NR =	1.00	2950	20600	1.15	1053	80.4	287	2059
	P2 =	8.03	1.01	1.50	-.54	.00	1.01	1.01	.00
	T2 =	514	.03	-1171	1.12	-.33	-.95	.03	.00
	ERI =	0	-.00	-.773	1.37	.03	.09	-.00	.00
.40	NR =	1.00	4070	21000	1.17	1061	83.2	297	2059
	P2 =	9.26	1.01	1.50	-.53	.00	1.01	1.01	.00
	T2 =	521	.03	-1.73	1.14	-.33	-.95	.03	.00
	ERI =	0	-.00	-.667	1.29	.03	.09	-.00	.00
.50	NR =	1.00	5310	21400	1.19	1073	87.0	310	2059
	P2 =	9.84	1.01	1.49	-.52	.00	1.01	1.01	.00
	T2 =	531	.05	-1.80	1.21	-.31	-.93	.05	-.01
	ERI =	0	-.00	-.666	1.26	.03	.08	-.00	.00
.60	NR =	1.00	6720	22000	1.21	1086	91.7	327	2059
	P2 =	10.58	1.01	1.49	-.53	.00	1.01	1.01	.00
	T2 =	542	.07	-1.86	1.30	-.28	-.91	.07	-.00
	ERI =	0	-.00	-.665	1.22	.02	.08	-.00	.00
.90	NR =	1.00	12300	24900	1.27	1143	112.3	400	2059
	P2 =	14.03	1.01	1.44	-.47	.00	1.01	1.01	.00
	T2 =	587	.11	-1.91	1.43	-.25	-.85	.11	.00
	ERI =	0	-.01	-.46	.93	.02	.09	-.01	.00
1.15	NR =	.994	19200	28200	1.32	1204	136.9	488	2059
	P2 =	18.76	1.01	1.36	-.38	-.00	1.00	1.01	-.00
	T2 =	639	.09	-2.03	1.56	-.26	-.87	.09	.01
	ERI =	0	-.01	-.635	.75	.02	.08	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5-0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO	R2/PO	R8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.30	16.06	3.48	23794	2059	930	24300	21400	1.11	475	16.0
	RAM	1.01	1.00	.00	.00	1.35	1.40	-.43	.01	.00
	BLEED	-1.28	-.62	.00	.30	-1.40	-1.60	1.00	.03	.00
	POWER	-1.81	.63	.00	1.77	-.62	-.70	1.34	-.00	.00
.40	16.12	3.60	24520	2059	932	25800	21700	1.13	472	16.0
	RAM	1.01	1.00	.00	.00	1.34	1.40	-.43	.01	.00
	BLEED	-1.27	-.62	.00	.30	-1.38	-1.65	1.06	.03	.00
	POWER	-1.75	.61	.00	1.71	-.58	-.68	1.31	-.00	.00
.50	16.19	3.74	25472	2059	936	27500	22100	1.15	469	16.0
	RAM	1.01	1.01	.00	.00	1.33	1.40	-.43	.01	.00
	BLEED	-1.31	-.62	-.01	.36	-1.37	-1.71	1.12	.05	.00
	POWER	-1.67	.59	.00	1.64	-.53	-.66	1.26	-.00	.00
.60	16.28	3.92	26668	2059	941	29400	22700	1.18	464	16.0
	RAM	1.01	1.01	.00	.00	1.32	1.41	-.43	.01	.00
	BLEED	-1.35	-.59	-.00	.41	-1.34	-1.76	1.20	.07	.00
	POWER	-1.58	.56	.00	1.55	-.48	-.63	1.20	-.00	.00
.90	16.69	4.68	31695	2059	963	37800	25500	1.25	446	16.0
	RAM	1.01	1.01	.00	.00	1.27	1.40	-.42	.01	.00
	BLEED	-1.32	-.52	.00	.43	-1.23	-1.88	1.40	.11	.00
	POWER	-1.24	.47	.00	1.21	-.33	-.49	.96	-.01	.00
1.15	21.26	5.57	37295	2059	984	48000	28800	1.29	424	16.0
	RAM	1.00	1.00	-.00	.00	1.24	1.39	-.42	.00	.00
	BLEED	-1.30	-.51	.01	.39	-1.20	-2.06	1.60	.09	.00
	POWER	-1.04	.40	.00	1.02	-.24	-.40	.81	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.9. 7.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO		P2/PRO	FD	FN	SFC	TE	PE	W2	TC	
.30	NR =	1.00	2810	14900	1.08	1005	69.5	273	1657	
	P2 =	8.83	RAM	1.01	1.59	-.74	-.01	.98	1.01	-.07
	T2 =	514	BLEED	.05	-1.10	1.63	-.19	-.64	.05	.65
	ERI =	0	POWER	-.09	2.88	2.75	.33	1.34	-.09	3.02
.40	NR =	1.00	3880	15100	1.10	1014	72.0	283	1662	
	P2 =	9.26	RAM	1.01	1.59	-.76	-.01	.98	1.01	-.07
	T2 =	521	BLEED	.05	-1.09	1.70	-.19	-.62	.05	.70
	ERI =	0	POWER	-.09	2.86	2.58	.31	1.28	-.09	2.91
.50	NR =	1.00	5070	15400	1.13	1027	75.4	296	1671	
	P2 =	9.84	RAM	1.01	1.58	-.74	-.01	.98	1.01	-.07
	T2 =	531	BLEED	.06	-1.15	1.75	-.19	-.63	.06	.67
	ERI =	0	POWER	-.09	2.83	2.37	.30	1.21	-.09	2.77
.60	NR =	1.00	6410	15800	1.16	1042	79.8	312	1682	
	P2 =	10.58	RAM	1.01	1.58	-.74	-.01	.98	1.01	-.07
	T2 =	542	BLEED	.06	-1.21	1.81	-.19	-.63	.06	.67
	ERI =	0	POWER	-.10	2.89	2.26	.29	1.19	-.10	2.74
.90	NR =	1.00	11600	18000	1.24	1097	97.6	377	1729	
	P2 =	14.03	RAM	1.01	1.61	-.63	.00	1.01	1.01	.01
	T2 =	587	BLEED	.05	-1.45	1.93	-.20	-.67	.05	.57
	ERI =	0	POWER	-.07	2.59	1.67	.24	.98	-.07	2.21
1.15	NR =	.994	17800	20400	1.31	1156	118.2	452	1767	
	P2 =	18.76	RAM	1.01	1.54	-.60	-.00	1.00	1.01	-.01
	T2 =	639	BLEED	.04	-1.50	2.13	-.19	-.66	.04	.64
	ERI =	0	POWER	-.04	2.39	1.27	.18	.83	-.04	1.82

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.C

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO	P2/PO	P8/PO	WFT	T8	AB	FGB	FNB	SFCB	W2K	BTANG
.30	1.06	2.63	16067	1657	1045	18400	15600	1.03	453	16.0
	RAM .92		.90	-.07	.00	1.39	1.46	-.60	.01	.00
	BLEED -.57		.51	.65	.02	-.86	-1.02	1.55	.05	.00
	POWER 1.51		5.70	3.02	-.01	2.23	2.65	2.98	-.09	.00
.40	1.12	2.71	16596	1662	1045	19600	15800	1.05	450	16.0
	RAM .92		.90	-.07	.00	1.37	1.46	-.61	.01	.00
	BLEED -.52		.59	.70	-.01	-.80	-1.01	1.62	.05	.00
	POWER 1.44		5.52	2.91	-.00	2.12	2.66	2.79	-.09	.00
.50	1.19	2.84	17364	1671	1045	21100	16000	1.08	447	16.0
	RAM .92		.89	-.07	-.00	1.35	1.46	-.61	.01	.00
	BLEED -.56		.56	.67	.02	-.81	-1.08	1.68	.06	.00
	POWER 1.35		5.27	2.77	.01	1.97	2.63	2.58	-.09	.00
.60	1.28	2.99	18325	1682	1045	22800	16400	1.12	442	16.0
	RAM .92		.89	-.07	-.00	1.33	1.46	-.61	.01	.00
	BLEED -.56		.56	.67	.02	-.80	-1.14	1.73	.06	.00
	POWER 1.45		5.22	2.74	-.04	1.96	2.77	2.38	-.10	.00
.90	1.69	3.67	22339	1729	1045	30100	18500	1.21	420	16.0
	RAM 1.02		1.02	.01	-.00	1.34	1.55	-.57	.01	.00
	BLEED -.65		.44	.57	.03	-.84	-1.41	1.88	.05	.00
	POWER 1.13		4.32	2.21	.02	1.51	2.50	1.77	-.07	.00
1.15	2.26	4.45	26643	1767	1045	38700	20900	1.28	393	16.0
	RAM 1.00		1.00	-.01	.00	1.27	1.50	-.55	.00	.00
	BLEED -.98		.58	.64	-.02	-.77	-1.46	2.08	.04	.00
	POWER 1.01		3.71	1.82	-.03	1.25	2.34	1.32	-.04	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.9

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.30	NR = 1.00	1.06	2630	12000	1.07	969	61.9	255	1505
	P2 = 8.83	RAM	1.01	1.73	-.90	-.00	.99	1.01	-.06
	T2 = 514	BLEED	.04	-1.19	1.82	-.18	-.64	.04	.68
	ERI = 0	POWER	-.12	3.71	3.17	.40	1.57	-.12	3.60
.40	NR = 1.00	1.12	3600	11900	1.10	976	63.7	263	1503
	P2 = 9.26	RAM	1.01	1.76	-.94	-.00	.99	1.01	-.06
	T2 = 521	BLEED	.04	-1.28	1.91	-.19	-.64	.04	.67
	ERI = 0	POWER	-.11	3.85	2.92	.39	1.54	-.11	3.51
.50	NR = 1.00	1.19	4650	11800	1.13	984	65.7	272	1499
	P2 = 9.84	RAM	1.01	1.78	-.96	-.00	.99	1.01	-.06
	T2 = 531	BLEED	.04	-1.32	1.97	-.19	-.64	.04	.67
	ERI = 0	POWER	-.09	3.94	2.79	.37	1.53	-.09	3.46
.60	NR = 1.00	1.28	5800	11600	1.18	994	68.1	282	1494
	P2 = 10.58	RAM	1.01	1.76	-.94	-.00	.99	1.01	-.06
	T2 = 542	BLEED	.04	-1.43	2.07	-.19	-.65	.04	.65
	ERI = 0	POWER	-.06	3.87	2.44	.32	1.44	-.06	3.17
.90	NR = 1.00	1.69	10000	11000	1.30	1029	77.3	324	1456
	P2 = 14.03	RAM	1.01	1.81	-1.01	-.00	.98	1.01	-.07
	T2 = 587	BLEED	.02	-1.88	2.50	-.21	-.70	.02	.58
	ERI = 0	POWER	-.03	4.08	1.76	.29	1.31	-.03	2.73
1.15	NR = .994	2.26	14500	9980	1.43	1067	86.3	368	1410
	P2 = 18.76	RAM	1.01	1.98	-1.10	-.00	1.00	1.01	-.01
	T2 = 639	BLEED	.01	-2.19	3.11	-.15	-.66	.01	.66
	ERI = 0	POWER	-.02	4.40	1.18	.19	1.15	-.02	2.38

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.9

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFC8	W2K	BTANG
.30	1.06	2.29	12835	1505	1067	15300	12600	1.02	423	16.0
	RAM .93	.91	-.06	-.00	1.48	1.58	-.73	.01	.00	
	BLEED -.56	.60	.68	.00	-.89	-1.09	1.72	.04	.00	
	POWER 1.77	6.97	3.60	.01	2.77	3.37	3.51	-.12	.00	
.40	1.12	2.35	13073	1503	1067	16100	12500	1.04	418	16.0
	RAM .93	.91	-.06	-.00	1.46	1.59	-.75	.01	.00	
	BLEED -.57	.59	.67	.01	-.90	-1.17	1.79	.04	.00	
	POWER 1.73	6.86	3.51	.00	2.68	3.48	3.28	-.11	.00	
.50	1.19	2.42	13339	1499	1068	17000	12400	1.08	410	16.0
	RAM .93	.91	-.06	.00	1.44	1.61	-.76	.01	.00	
	BLEED -.55	.61	.67	-.01	-.88	-1.22	1.86	.04	.00	
	POWER 1.81	6.82	3.46	-.09	2.67	3.71	3.01	-.09	.00	
.60	1.28	2.51	13615	1494	1068	17900	12100	1.12	401	16.0
	RAM .93	.91	-.06	.00	1.42	1.62	-.78	.01	.00	
	BLEED -.55	.59	.65	-.02	-.88	-1.32	1.95	.04	.00	
	POWER 1.62	6.40	3.17	-.03	2.42	3.61	2.71	-.06	.00	
.90	1.69	2.82	14252	1456	1067	21400	11400	1.25	361	16.0
	RAM .92	.89	-.07	-.00	1.36	1.67	-.85	.01	.00	
	BLEED -.61	.55	.58	-.01	-.92	-1.75	2.36	.02	.00	
	POWER 1.37	5.91	2.73	.01	2.01	3.80	2.03	-.03	.00	
1.15	2.26	3.13	14325	1410	1068	24900	10400	1.38	320	16.0
	RAM 1.00	.99	-.01	-.01	1.37	1.89	-.99	.00	.00	
	BLEED -.61	.81	.66	-.02	-.86	-2.09	2.99	.01	.00	
	POWER 1.28	5.64	2.38	.01	1.74	4.20	1.37	-.02	.00	

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 8.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.30	NR =	1.00	2590	10600	1.03	969	61.5	252	1381
	P2 =	8.83	RAM 1.01	1.69	-.87	-.01	.98	1.01	-.07
	T2 =	514	BLEED .06	-1.26	1.88	-.21	-.65	.06	.60
	ERI =	0	POWER -.13	3.85	3.38	.41	1.62	-.13	3.61
.40	NR =	1.00	3540	10400	1.07	975	63.1	259	1378
	P2 =	9.26	RAM 1.01	1.79	-.97	-.00	.99	1.01	-.05
	T2 =	521	BLEED .06	-1.35	2.06	-.21	-.63	.06	.64
	ERI =	0	POWER -.11	4.05	3.10	.40	1.60	-.11	3.54
.50	NR =	1.00	4570	10200	1.11	983	65.0	267	1373
	P2 =	9.84	RAM 1.01	1.88	-1.08	-.00	.99	1.01	-.06
	T2 =	531	BLEED .06	-1.51	2.16	-.22	-.65	.06	.60
	ERI =	0	POWER -.11	4.26	2.83	.40	1.57	-.11	3.47
.60	NR =	1.00	5690	9930	1.15	992	67.2	277	1366
	P2 =	10.58	RAM 1.01	1.92	-1.12	-.00	.99	1.01	-.06
	T2 =	542	BLEED .04	-1.65	2.33	-.20	-.66	.04	.60
	ERI =	0	POWER -.10	4.41	2.53	.39	1.53	-.10	3.34
.90	NR =	1.00	9750	10000	1.32	1019	74.5	316	1421
	P2 =	14.03	RAM 1.01	1.89	-1.11	-.00	.99	1.01	-.06
	T2 =	587	BLEED .02	-2.01	2.63	-.21	-.71	.02	.56
	ERI =	0	POWER -.03	4.45	1.76	.31	1.38	-.03	2.86
1.15	NR =	.994	14000	8740	1.48	1054	82.1	356	1362
	P2 =	18.76	RAM 1.01	1.99	-1.27	-.01	.98	1.01	-.08
	T2 =	639	BLEED .01	-2.42	3.39	-.15	-.67	.01	.64
	ERI =	0	POWER -.02	5.24	1.02	.21	1.26	-.02	2.61

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 8.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.30	1.06	2.16	10965	1381	1070	13900	11300	.97	418	16.0
	RAM	.92	.89	-.07	.01	1.51	1.63	-.81	.01	.00
	BLEED	-.58	.58	.60	.00	-.96	-1.20	1.81	.06	.00
	POWER	1.77	7.32	3.61	-.01	2.83	3.51	3.71	-.13	.00
.40	1.12	2.21	11118	1378	1070	14600	11100	1.00	411	16.0
	RAM	.94	.91	-.05	-.00	1.51	1.67	-.83	.01	.00
	BLEED	-.52	.67	.64	-.04	-.89	-1.20	1.90	.06	.00
	POWER	1.74	7.25	3.54	-.00	2.76	3.67	3.48	-.11	.00
.50	1.19	2.27	11280	1373	1070	15400	10800	1.04	403	16.0
	RAM	.93	.90	-.06	.00	1.49	1.69	-.86	.01	.00
	BLEED	-.57	.60	.60	-.02	-.93	-1.35	1.99	.06	.00
	POWER	1.71	7.19	3.47	-.01	2.67	3.84	3.25	-.11	.00
.60	1.28	2.35	11448	1366	1070	16200	10500	1.09	393	16.0
	RAM	.93	.90	-.06	.00	1.46	1.71	-.88	.01	.00
	BLEED	-.60	.62	.60	.01	-.95	-1.49	2.16	.04	.00
	POWER	1.61	7.04	3.34	.03	2.52	3.94	3.00	-.10	.00
.90	1.69	2.71	13290	1421	1070	20300	10500	1.26	352	16.0
	RAM	.93	.89	-.06	-.00	1.38	1.72	-.91	.01	.00
	BLEED	-.62	.53	.56	-.01	-.95	-1.86	2.46	.02	.00
	POWER	1.42	6.28	2.86	.03	2.13	4.13	2.08	-.03	.00
1.15	2.26	2.97	12958	1362	1070	23200	9130	1.42	310	16.0
	RAM	.90	.84	-.08	.01	1.32	1.80	-1.05	.00	.00
	BLEED	-.60	.85	.64	.01	-.88	-2.26	3.22	.01	.00
	POWER	1.44	6.32	2.61	-.10	1.95	4.98	1.27	-.02	.00

CONFIDENTIAL

GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO		P2APO	FD	FN	SFC	TE	PE	W2	TC	
.30	NR =	1.00	2240	6750	1.11	912	49.6	218	1204	
	P2 =	8.83	1.01	1.76	-1.31	-.02	.92	1.01	-.25	
	T2 =	514	BLBED	.03	-1.46	2.36	-.19	-.64	.03	.70
	ERI =	0	POWER	-.06	5.39	4.10	.46	2.07	-.06	4.29
.40	NR =	1.00	3050	6330	1.17	917	50.5	222	1193	
	P2 =	9.26	1.01	1.86	-1.41	-.02	.92	1.01	-.24	
	T2 =	521	BLBED	.02	-1.64	2.57	-.20	-.65	.02	.69
	ERI =	0	POWER	-.05	6.08	3.62	.46	2.08	-.05	4.32
.50	NR =	1.00	3910	5880	1.25	922	51.5	228	1179	
	P2 =	9.84	1.01	1.98	-1.54	-.02	.92	1.01	-.23	
	T2 =	531	BLEED	.02	-1.88	2.83	-.20	-.66	.02	.67
	ERI =	0	POWER	-.04	6.73	3.07	.46	2.07	-.04	4.27
.60	NR =	1.00	4850	5380	1.35	930	52.8	236	1163	
	P2 =	10.58	1.01	2.14	-1.72	-.02	.93	1.01	-.21	
	T2 =	542	BLBED	.01	-2.09	3.13	-.20	-.66	.01	.69
	ERI =	0	POWER	-.03	7.62	2.35	.46	2.07	-.03	4.23
.90	NR =	1.00	8200	4660	1.70	955	57.3	266	1188	
	P2 =	14.03	1.01	2.60	-2.10	-.01	.97	1.01	-.11	
	T2 =	587	BLBED	.01	-3.19	4.18	-.17	-.69	.01	.58
	ERI =	0	POWER	-.03	9.56	.10	.33	1.88	-.03	3.87
1.15	NR =	.994	12000	3530	2.16	993	64.1	304	1143	
	P2 =	18.76	1.01	3.54	-3.27	-.00	.98	1.01	-.06	
	T2 =	639	BLEED	.02	-5.05	6.50	-.17	-.71	.02	.54
	ERI =	0	POWER	-.03	12.96	-2.85	.28	1.69	-.03	3.44

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY # 40 F PRESSURE ALTITUDE 15000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.30	1.06	1.74	7472	1204	1095	9630	7390	1.01	361	16.0
	RAM	.68	.56	-.25	.00	1.45	1.58	-1.11	.01	.00
	BLEED	-.47	.85	.70	.01	-1.00	-1.32	2.21	.03	.00
	POWER	1.78	9.62	4.29	-.01	3.68	4.81	4.68	-.06	.00
.40	1.12	1.76	7422	1193	1095	10000	6970	1.06	354	16.0
	RAM	.70	.57	-.24	.00	1.46	1.65	-1.17	.01	.00
	BLEED	-.48	.86	.69	-.01	-1.01	-1.46	2.37	.02	.00
	POWER	1.85	9.82	4.32	-.04	3.72	5.38	4.31	-.05	.00
.50	1.19	1.79	7354	1179	1095	10400	6520	1.13	345	16.0
	RAM	.71	.58	-.23	-.00	1.46	1.73	-1.25	.01	.00
	BLEED	-.49	.87	.67	-.01	-1.02	-1.65	2.58	.02	.00
	POWER	1.83	9.93	4.27	.01	3.65	5.86	3.93	-.04	.00
.60	1.28	1.83	7265	1163	1095	10900	6010	1.21	335	16.0
	RAM	.74	.61	-.21	-.00	1.47	1.83	-1.35	.01	.00
	BLEED	-.47	.94	.89	-.05	-.98	-1.79	2.80	.01	.00
	POWER	1.84	10.09	4.23	.03	3.60	6.52	3.42	-.03	.00
.90	1.69	2.05	7936	1188	1095	13400	5180	1.53	296	16.0
	RAM	.86	.78	-.11	-.00	1.50	2.27	-1.69	.01	.00
	BLEED	-.65	.79	.58	.01	-1.09	-2.84	3.79	.01	.00
	POWER	1.95	9.66	3.87	.02	3.24	8.42	1.17	-.03	.00
1.15	2.26	2.28	7606	1143	1094	15900	3970	1.92	264	16.0
	RAM	.93	.85	-.06	.00	1.47	2.89	-2.38	.00	.00
	BLEED	-.88	.95	.54	.02	-1.07	-4.33	5.66	.02	.00
	POWER	1.65	9.84	3.44	.07	2.67	10.83	-.92	-.03	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO		P2/RO	FD	FN	SFC	TE	PE	W2	TC
.30	NR =	1.00	1560	1730	2.00	806	30.8	152	972
	P2 =	6.83	RAM 1.01	1450	-2.07	-.06	.74	1.01	-.69
	T2 =	514	BLEED .01	-1165	3.39	-.17	-.55	.01	.95
	ERI =	0	POWER -.04	13141	4.32	.70	3.40	-.04	6.45
.40	NR =	1.00	2140	1320	2.56	811	31.3	156	956
	P2 =	9.26	RAM 1.01	1194	-2.57	-.06	.75	1.01	-.64
	T2 =	521	BLEED .01	-3120	4.86	-.19	-.61	.01	.80
	ERI =	0	POWER -.03	14131	2.92	.67	3.19	-.03	5.94
.50	NR =	1.00	2750	830	3.86	816	31.8	160	933
	P2 =	9.84	RAM 1.01	2136	-3.21	-.06	.75	1.01	-.65
	T2 =	531	BLEED .01	-4.77	6.87	-.19	-.61	.01	.82
	ERI =	0	POWER -.03	27120	-7.50	.72	3.34	-.03	6.27
.60	NR =	1.00	3420	310	9.84	822	32.5	166	907
	P2 =	10.58	RAM 1.01	5104	-7.46	-.06	.75	1.01	-.64
	T2 =	542	BLEED .01	-13106	18.50	-.19	-.61	.01	.83
	ERI =	0	POWER -.02	77.99	-45.97	.74	3.39	-.02	6.33
.90	NR =	1.00	5910	-1230	-2.160	847	35.0	192	866
	P2 =	14.03	RAM 1.01	-152	-.09	-.05	.79	1.01	-.54
	T2 =	587	BLEED .02	4198	-2.90	-.20	-.68	.02	.62
	ERI =	0	POWER -.05	-20.74	46.94	.62	3.05	-.05	5.63
1.15	NR =	.994	8770	-3160	-.485	879	38.5	223	779
	P2 =	18.76	RAM 1.27	-129	.14	.08	1.20	1.27	-.26
	T2 =	639	BLEED -.89	4.11	-4.82	-.56	-2.05	-.89	-.15
	ERI =	100	POWER -3.73	-1169	19.95	-1.03	-2.64	-3.73	2.30

CONFIDENTIAL

GENERAL ELECTRIC G64/J5G ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.30	11.06	1.21	3464	972	1260	3640	2070	1.67	252	13.0
	RAM	.22	-.41	-.69	.04	1.23	1.39	-1.94	.01	.00
	BLEED	-.11	1.66	.95	-.16	-.79	-1.40	3.13	.01	.00
	POWER	1.49	17.90	6.45	-.74	7.08	12.45	5.25	-.04	.00
.40	11.12	1.22	3370	956	1255	3810	1680	2.01	248	13.0
	RAM	.27	-.38	-.64	-.04	1.35	1.77	-2.36	.01	.00
	BLEED	-.26	1.43	.80	.12	-1.22	-2.79	4.40	.01	.00
	POWER	.84	17.36	5.94	.71	5.08	11.61	5.55	-.03	.00
.50	11.19	1.23	3211	933	1257	3950	1200	2.67	242	13.0
	RAM	.26	-.47	-.65	.00	1.29	1.94	-2.67	.01	.00
	BLEED	-.21	1.61	.82	-.01	-1.07	-3.55	5.45	.01	.00
	POWER	1.24	19.07	6.27	+.02	6.14	20.27	-1.13	-.03	.00
.60	11.28	1.24	3011	907	1257	4100	690	4.39	236	13.0
	RAM	.27	-.54	-.64	+.01	1.31	2.82	-3.91	.01	.00
	BLEED	-.20	1.82	.83	+.05	-1.03	-6.17	8.80	.01	.00
	POWER	1.31	20.69	6.33	+.05	6.24	37.41	-15.03	-.02	.00
.90	11.69	1.30	2655	866	1257	5120	-780	-3.385	214	13.0
	RAM	.34	-.62	-.54	.01	1.37	-1.31	.65	.01	.00
	BLEED	-.32	1.86	.62	.01	-1.25	8.27	-5.70	.02	.00
	POWER	1.24	22.88	5.63	.24	5.12	-33.86	64.14	-.05	.00
1.15	21.26	1.37	1541	779	1257	6100	-2670	-.575	194	13.0
	RAM	.62	-.15	-.26	-.01	2.07	-.57	.41	.27	.00
	BLEED	-1.06	-1.01	-.15	.01	-3.57	5.23	-5.78	-.89	.00
	POWER	-1.40	18.14	2.30	.01	-4.70	-1.54	19.78	-3.73	.00

9. 25000 FEET

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

25000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.30	NR =	1.00	2000	21800	1.75	931	56.4	211	1921	
	P2 =	5.81	RAM	1.01	1.37	-.42	.00	1.01	1.01	.00
	T2 =	437	BLEED	.01	-1.54	.75	-.33	-.98	.01	.00
	ERI =	100	POWER	-.00	-.83	1.31	.04	.14	-.00	-.01
.60	NR =	1.00	4690	25900	1.79	979	67.6	247	2019	
	P2 =	6.96	RAM	1.01	1.33	-.38	.00	1.01	1.01	.00
	T2 =	461	BLEED	.01	-1.63	.83	-.33	-.98	.01	.01
	ERI =	100	POWER	-.00	-.82	1.22	.03	.11	-.00	-.00
.90	NR =	1.00	8780	29800	1.68	1032	85.3	309	2059	
	P2 =	9.23	RAM	1.01	.87	-.91	.00	1.01	1.01	.00
	T2 =	499	BLEED	.02	-1.34	1.37	-.34	-.97	.02	-.01
	ERI =	0	POWER	-.00	-.83	.84	.03	.09	-.00	.00
1.20	NR =	.991	15100	32800	1.53	1098	110.1	398	2059	
	P2 =	13.12	RAM	1.02	.72	-.75	.00	1.02	1.02	.00
	T2 =	554	BLEED	.08	-1.34	1.37	-.26	-.90	.08	-.01
	ERI =	0	POWER	-.01	-.59	.60	.02	.09	-.01	-.00
1.50	NR =	.971	24700	35200	1.42	1182	144.2	521	2059	
	P2 =	19.44	RAM	1.03	.75	-.78	.00	1.03	1.03	.00
	T2 =	623	BLEED	.09	-1.65	1.69	-.26	-.89	.09	-.00
	ERI =	0	POWER	-.01	-.50	.51	.02	.07	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFC8	W2K	BTANG
.30	1.06	3.65	38248	3336	1302	24000	22000	1.74	491	13.0
	RAM	1.01	.98	-.02	-.01	1.34	1.37	-.42	.01	.00
	BLEED	-1.37	-.82	.00	.38	-1.44	-1.57	.77	.01	.00
	POWER	-2.80	.47	-.02	2.77	-.94	-1.03	1.51	-.00	.00
.60	1.28	4.39	46310	3430	1286	30900	26200	1.77	492	13.0
	RAM	1.01	.98	-.01	-.01	1.29	1.34	-.38	.01	.00
	BLEED	-1.36	-.82	-.01	.37	-1.37	-1.62	.83	.01	.00
	POWER	-2.25	.39	-.05	2.22	-.66	-.78	1.17	-.00	.00
.90	1.69	5.51	50000	3170	1220	39000	30200	1.66	482	13.0
	RAM	1.04	.00	-.65	-.41	.89	.86	-.90	.01	.00
	BLEED	-1.36	.00	.49	.67	-1.01	-1.31	1.33	.02	.00
	POWER	-1.75	-.00	-.25	1.57	-.56	-.72	.72	-.00	.00
1.20	2.41	6.97	50000	2714	1139	48300	33200	1.51	461	13.0
	RAM	1.05	.00	-.75	-.45	.82	.73	-.76	.01	.00
	BLEED	-1.41	.00	.53	.79	-.90	-1.35	1.37	.08	.00
	POWER	-1.28	.00	-.25	1.11	-.40	-.58	.39	-.01	.00
1.50	3.57	8.86	50000	2344	1076	60600	36000	1.39	432	13.0
	RAM	1.05	.00	-.61	-.35	.88	.78	-.81	-.00	.00
	BLEED	-1.36	.00	.35	.63	-.95	-1.65	1.70	.09	.00
	POWER	-1.00	.00	-.21	.86	-.29	-.48	.49	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 25000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.30	NR =	1.00	1.06	2000	20100	1.56	932	56.6	211	1921
	P2 =	5.81	RAM	1.01	1.41	-.46	.00	1.01	1.01	.00
	T2 =	437	BLEED	.01	-1.61	.84	-.33	-.98	.01	.00
	ERI =	100	POWER	-.00	-.93	1.48	.04	.14	-.00	-.00
.60	NR =	1.00	1.28	4690	23900	1.59	980	67.8	247	2019
	P2 =	6.96	RAM	1.01	1.37	-.41	.00	1.01	1.01	.00
	T2 =	461	BLEED	.01	-1.69	.92	-.33	-.98	.01	.00
	ERI =	100	POWER	-.00	-.90	1.35	.03	.11	-.00	.00
.90	NR =	1.00	1.69	8780	29300	1.63	1033	85.6	309	2059
	P2 =	9.23	RAM	1.01	1.29	-.32	.00	1.01	1.01	.00
	T2 =	499	BLEED	.02	-1.69	.92	-.34	-.97	.02	-.01
	ERI =	0	POWER	-.00	-.68	1.05	.03	.09	-.00	.00
1.20	NR =	.991	2.41	15100	32800	1.52	1099	110.4	398	2059
	P2 =	13.12	RAM	1.02	.72	-.74	.00	1.02	1.02	.00
	T2 =	554	BLEED	.09	-1.34	1.37	-.26	-.90	.09	-.00
	ERI =	0	POWER	-.01	-.59	.60	.02	.09	-.01	-.00
1.50	NR =	.971	3.57	24700	35200	1.42	1183	144.6	521	2059
	P2 =	19.44	RAM	1.03	.75	-.78	.00	1.03	1.03	.00
	T2 =	623	BLEED	.09	-1.64	1.68	-.26	-.89	.09	.00
	ERI =	0	POWER	-.01	-.50	.50	.02	.07	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET.

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.30	1.06	3.69	31323	2942	1197	22400	20400	1.54	491	13.0
	RAM	1.01	.98	-.02	-.01	1.33	1.37	-.41	.01	.00
	BLEED	-1.35	-.79	.01	.36	-1.42	-1.56	.79	.01	.00
	POWER	-2.75	.54	.01	2.70	-.90	-.98	1.54	-.00	.00
.60	1.28	4.44	38092	3042	1185	28800	24100	1.58	492	13.0
	RAM	1.01	.98	-.01	-.01	1.28	1.34	-.38	.01	.00
	BLEED	-1.35	-.79	.00	.36	-1.36	-1.63	.86	.01	.00
	POWER	-2.22	.45	-.02	2.16	-.63	-.75	1.21	-.00	.00
.90	1.69	5.54	47707	3076	1192	38300	29600	1.61	482	13.0
	RAM	1.01	.99	-.01	-.00	1.24	1.31	-.34	.01	.00
	BLEED	-1.33	-.79	-.01	.35	-1.29	-1.68	.92	.02	.00
	POWER	-1.75	.36	-.02	1.70	-.42	-.55	.91	-.00	.00
1.20	2.41	7.00	50000	2715	1133	48400	33300	1.50	461	13.0
	RAM	1.05	.00	-.76	-.45	.82	.73	-.76	.01	.00
	BLEED	-1.41	.00	.53	.78	-.90	-1.34	1.37	.09	.00
	POWER	-1.28	-.00	-.25	1.11	-.40	-.58	.59	-.01	.00
1.50	3.57	8.90	50000	2345	1072	60700	36000	1.39	431	13.0
	RAM	1.05	.00	-.61	-.35	.88	.78	-.81	-.00	.00
	BLEED	-1.35	.00	.35	.62	-.94	-1.65	1.69	.09	.00
	POWER	-.99	.00	-.20	.85	-.29	-.48	.48	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY PRESSURE ALTITUDE 25000 FEET

MO		P2APO	FD	FN	SFC	TE	PE	W2	TC
.30	NR = 1.00	1.06	2000	17700	1.37	933	56.8	211	1921
	P2 = 5.81	RAM	1.01	1.45	-.49	.00	1.01	1.01	.00
	T2 = 437	BLEED	.01	-1.62	.90	-.33	-.98	.01	.00
	ERI = 100	POWER	-.00	-.471	1.38	.04	.14	-.00	-.00
.60	NR = 1.00	1.28	4690	21100	1.41	981	68.1	247	2019
	P2 = 6.96	RAM	1.01	1.41	-.45	.00	1.01	1.01	.00
	T2 = 461	BLEED	.01	-1.71	.98	-.33	-.98	.01	-.01
	ERI = 100	POWER	-.00	-.58	1.13	.03	.11	-.00	.00
.90	NR = 1.00	1.69	8780	25800	1.45	1035	85.9	309	2059
	P2 = 9.23	RAM	1.01	1.434	-.37	.00	1.01	1.01	.00
	T2 = 499	BLEED	.02	-1.73	1.01	-.33	-.97	.02	-.01
	ERI = 0	POWER	-.00	-.47	.91	.03	.09	-.00	.00
1.20	NR = .991	2.41	15100	31600	1.49	1100	110.7	398	2059
	P2 = 13.12	RAM	1.02	1.30	-.31	.00	1.02	1.02	.00
	T2 = 554	BLEED	.09	-1.78	1.15	-.26	-.90	.09	.00
	ERI = 0	POWER	-.01	-.40	.75	.02	.08	-.01	-.00
1.50	NR = .971	3.57	24700	35300	1.42	1184	145.0	521	2059
	P2 = 19.44	RAM	1.03	.75	-.78	.00	1.03	1.03	.00
	T2 = 623	BLEED	.09	-1.64	1.68	-.26	-.88	.09	.01
	ERI = 0	POWER	-.01	-.49	.50	.02	.07	-.01	.00

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GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

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OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.30	1.06	3.73	24356	2457	1069	20300	18300	1.33	491	13.0
	RAM	1.01	.99	-.01	-.01	1.33	1.37	-.40	.01	.00
	BLEED	-1.34	-.75	.01	.35	-1.41	-1.57	.84	.01	.00
	POWER	-2.69	.66	.02	2.63	-.85	-.95	1.62	-.00	.00
.60	1.28	4.49	29823	2560	1064	26200	21500	1.39	492	13.0
	RAM	1.01	.99	-.01	-.00	1.28	1.34	-.37	.01	.00
	BLEED	-1.35	-.76	.00	.36	-1.36	-1.65	.92	.01	.00
	POWER	-2.18	.54	.01	2.14	-.59	-.72	1.27	-.00	.00
.90	1.69	5.61	37377	2597	1072	34800	26100	1.43	482	13.0
	RAM	1.01	.99	-.01	-.00	1.24	1.32	-.34	.01	.00
	BLEED	-1.32	-.75	-.00	.34	-1.28	-1.72	1.00	.02	.00
	POWER	-1.72	.43	.01	1.68	-.39	-.52	.96	-.00	.00
1.20	2.41	7.05	46971	2591	1097	47100	32000	1.47	461	13.0
	RAM	1.02	1.01	-.01	-.00	1.22	1.31	-.32	.01	.00
	BLEED	-1.38	-.66	.00	.46	-1.18	-1.77	1.14	.09	.00
	POWER	-1.29	.34	-.00	1.26	-.25	-.37	.72	-.01	.00
1.50	3.57	8.94	50000	2346	1067	60700	36100	1.39	431	13.0
	RAM	1.05	.00	-.61	-.36	.88	.78	-.81	.00	.00
	BLEED	-1.34	.00	.35	.61	-.94	-1.64	1.68	.09	.00
	POWER	-.98	.00	-.20	.84	-.28	-.47	.48	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.30	NR = 1.00	1.06	2000	15100	1.15	934	57.0	211	1921
	P2 = 5.81	RAM	1.01	1451	-.54	.00	1.01	1.01	.00
	T2 = 437	BLEED	.01	-1.68	1.03	-.34	-.98	.01	-.00
	ERI = 100	POWER	-.00	-453	1.42	.05	.14	-.00	-.00
.60	NR = 1.00	1.28	4690	17900	1.20	982	68.3	247	2019
	P2 = 6.96	RAM	1.01	1.48	-.51	.00	1.01	1.01	.00
	T2 = 461	BLEED	.01	-1.79	1.13	-.34	-.98	.01	-.01
	ERI = 100	POWER	-.00	-154	1.25	.04	.11	-.00	-.00
.90	NR = 1.00	1.69	8780	21800	1.24	1036	86.1	309	2059
	P2 = 9.23	RAM	1.01	1441	-.44	.00	1.01	1.01	.00
	T2 = 499	BLEED	.02	-1.86	1.22	-.33	-.96	.02	-.01
	ERI = 0	POWER	-.00	-.44	1.01	.03	.09	-.00	.00
1.20	NR = .991	2.41	15100	26700	1.26	1101	111.1	398	2059
	P2 = 13.12	RAM	1.02	1.35	-.36	.00	1.02	1.02	.00
	T2 = 554	BLEED	.09	-1.85	1.32	-.26	-.89	.09	.01
	ERI = 0	POWER	-.01	-133	.78	.02	.08	-.01	-.00
1.50	NR = .971	3.57	24700	32000	1.32	1185	145.4	520	2059
	P2 = 19.44	RAM	1.03	1429	-.28	-.00	1.03	1.03	.00
	T2 = 623	BLEED	.09	-2.04	1.54	-.26	-.87	.09	-.00
	ERI = 0	POWER	-.01	-133	.69	.02	.07	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

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STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.30	1.06	3.78	17345	1972	938	18000	16000	1.08	491	13.0
	RAM	1.01	1.01	.00	.00	1.33	1.37	-.39	.01	.00
	BLEED	-1.31	-.68	-.01	.32	-1.40	-1.58	.92	.01	.00
	POWER	-2.64	.88	.00	2.60	-.83	-.93	1.82	-.00	.00
.60	1.28	4.55	21502	2071	937	23300	18600	1.16	492	13.0
	RAM	1.01	1.00	.00	.00	1.28	1.35	-.37	.01	.00
	BLEED	-1.33	-.69	-.01	.33	-1.35	-1.69	1.03	.01	.00
	POWER	-2.15	.71	-.00	2.11	-.58	-.72	1.44	-.00	.00
.90	1.69	5.68	26982	2111	946	31100	22300	1.21	482	13.0
	RAM	1.01	1.00	.00	.00	1.24	1.33	-.35	.01	.00
	BLEED	-1.31	-.67	-.01	.33	-1.28	-1.79	1.14	.02	.00
	POWER	-1.69	.57	.00	1.66	-.38	-.53	1.10	-.00	.00
1.20	2.41	7.14	33665	2111	969	42000	26900	1.25	461	13.0
	RAM	1.02	1.02	.00	.00	1.21	1.33	-.33	.01	.00
	BLEED	-1.36	-.57	.00	.44	-1.17	-1.88	1.35	.09	.00
	POWER	-1.27	.45	.00	1.24	-.25	-.38	.83	-.01	.00
1.50	3.57	9.02	42167	2111	1000	57300	32600	1.29	431	13.0
	RAM	1.03	1.03	.00	.00	1.20	1.33	-.33	.00	.00
	BLEED	-1.32	-.55	-.00	.41	-1.13	-2.05	1.55	.09	.00
	POWER	-.97	.35	-.00	.95	-.17	-.29	.65	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.9. 5.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 25000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.30	NR =	1.00	1.06	2000	15300	1.08	936	57.2	211	1921
	P2 =	5.81	RAM	1.01	1445	-.47	.00	1.01	1.01	.00
	T2 =	437	BLEED	.01	-1.64	1.01	-.35	-.97	.01	-.00
	ERI =	100	POWER	-.00	-.493	1.86	.05	.14	-.00	.00
.60	NR =	1.00	1.28	4690	17900	1.15	984	68.6	247	2019
	P2 =	6.96	RAM	1.01	1.40	-.43	.00	1.01	1.01	.00
	T2 =	461	BLEED	.01	-1.71	1.07	-.35	-.97	.01	-.01
	ERI =	100	POWER	-.00	-.67	1.42	.04	.11	-.00	.00
.90	NR =	1.00	1.69	8780	21500	1.20	1037	86.5	309	2059
	P2 =	9.23	RAM	1.01	1.32	-.34	.00	1.01	1.01	-.00
	T2 =	499	BLEED	.02	-1.78	1.17	-.33	-.96	.02	.00
	ERI =	0	POWER	-.00	-.51	1.10	.03	.09	-.00	.00
1.20	NR =	.991	2.41	15100	26100	1.23	1102	111.6	398	2059
	P2 =	13.12	RAM	1.02	1.35	-.36	.00	1.02	1.02	.00
	T2 =	554	BLEED	.09	-1.88	1.35	-.25	-.89	.09	-.00
	ERI =	0	POWER	-.01	-.31	.78	.02	.08	-.01	.00
1.50	NR =	.971	3.57	24700	31300	1.28	1186	146.0	520	2059
	P2 =	19.44	RAM	1.03	1.29	-.28	.00	1.03	1.03	.00
	T2 =	623	BLEED	.10	-2.04	1.56	-.26	-.86	.10	-.00
	ERI =	0	POWER	-.01	-.32	.69	.02	.07	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.30	1.06	3.81	16592	1921	919	17800	15800	1.05	491	16.0
	RAM	1.01	1.01	.00	.00	1.33	1.37	-.39	.01	.00
	BLEED	-1.27	-.66	-.00	.28	-1.38	-1.56	.92	.01	.00
	POWER	-2.61	.91	.00	2.56	-.82	-.92	1.84	-.00	.00
.60	1.28	4.58	20602	2019	918	23000	18300	1.12	492	16.0
	RAM	1.01	1.00	.00	.00	1.28	1.35	-.37	.01	.00
	BLEED	-1.28	-.67	-.01	.29	-1.33	-1.67	1.03	.01	.00
	POWER	-2.12	.74	.00	2.08	-.56	-.71	1.45	-.00	.00
.90	1.69	5.72	25840	2059	927	30700	21900	1.18	482	16.0
	RAM	1.01	1.00	-.00	.00	1.24	1.33	-.35	.01	.00
	BLEED	-1.29	-.64	.00	.31	-1.26	-1.78	1.17	.02	.00
	POWER	-1.68	.58	.00	1.64	-.38	-.53	1.12	-.00	.00
1.20	2.41	7.19	32183	2059	948	41400	26400	1.22	460	13.0
	RAM	1.02	1.02	.00	.00	1.21	1.33	-.33	.01	.00
	BLEED	-1.36	-.57	-.00	.45	-1.18	-1.90	1.37	.09	.00
	POWER	-1.27	.46	.00	1.24	-.25	-.38	.85	-.01	.00
1.50	3.57	9.08	40208	2059	979	56500	31800	1.26	431	13.0
	RAM	1.03	1.03	.00	.00	1.20	1.34	-.33	-.00	.00
	BLEED	-1.31	-.52	-.00	.41	-1.11	-2.05	1.58	.10	.00
	POWER	-.96	.37	.00	.93	-.16	-.28	.65	-.01	.00

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MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.30	NR = 1.00	1.06	1990	11900	.99	903	51.6	209	1547
	P2 = 5.81	RAM	1.01	1149	-.64	-.01	.98	1.01	-.08
	T2 = 437	BLEED	.01	-1.05	1.54	-.19	-.66	.01	.69
	ERI = 0	POWER	-.03	3.59	3.52	.43	1.84	-.03	3.90
.60	NR = 1.00	1.28	4550	12800	1.06	933	59.5	240	1568
	P2 = 6.96	RAM	1.01	1155	-.59	.00	1.01	1.01	.00
	T2 = 461	BLEED	.02	-1.25	1.64	-.21	-.70	.02	.60
	ERI = 0	POWER	-.03	3.60	2.89	.40	1.66	-.03	3.52
.90	NR = 1.00	1.69	8390	15100	1.12	985	74.4	295	1624
	P2 = 9.23	RAM	1.01	1148	-.51	.00	1.01	1.01	.00
	T2 = 499	BLEED	.04	-1.29	1.76	-.19	-.66	.04	.61
	ERI = 0	POWER	-.07	3.06	2.22	.31	1.28	-.07	2.83
1.20	NR = .991	2.41	14300	18700	1.19	1057	96.9	377	1695
	P2 = 13.12	RAM	1.02	1147	-.48	.00	1.02	1.02	.00
	T2 = 554	BLEED	.06	-1.36	1.91	-.20	-.64	.06	.63
	ERI = 0	POWER	-.08	2.61	1.60	.24	.97	-.08	2.22
1.50	NR = .971	3.57	24700	27800	1.26	1177	141.5	522	1896
	P2 = 19.44	RAM	1.03	1136	-.33	.00	1.04	1.03	.01
	T2 = 623	BLEED	.06	-1.46	1.88	-.20	-.68	.06	.54
	ERI = 0	POWER	-.04	1.52	1.01	.14	.57	-.04	1.28

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MO	#2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	WZK	BTANG
.30	1.06	2.93	11800	1547	1045	14300	12300	.96	487	16.0
	RAM	.91	.89	-.08	.00	1.34	1.39	-.53	.01	.00
	BLEED	-.56	.47	.69	-.01	-.84	-.98	1.47	.01	.00
	POWER	2.00	7.19	3.90	-.01	2.88	3.36	3.75	-.03	.00
.60	1.28	3.37	13519	1568	1045	17700	13100	1.03	477	16.
	RAM	1.01	1.01	.00	-.00	1.36	1.48	-.51	.01	.00
	BLEED	-.66	.35	.60	.01	-.89	-1.20	1.59	.02	.00
	POWER	1.92	6.57	3.52	+.00	2.55	3.45	3.04	-.03	.00
.90	1.69	4.23	16986	1624	1045	23800	15400	1.10	461	16.0
	RAM	1.01	1.01	.00	+.00	1.29	1.45	-.48	.01	.00
	BLEED	-.63	.43	.61	.01	-.80	-1.26	1.73	.04	.00
	POWER	1.52	5.35	2.83	+.02	1.91	3.00	2.28	-.07	.00
1.20	2.41	5.53	22239	1695	1045	33400	19100	1.17	437	13.0
	RAM	1.02	1.02	.00	.00	1.25	1.43	-.44	.01	-4.62
	BLEED	-.59	.52	.63	.00	-.73	-1.32	1.87	.06	.00
	POWER	1.14	4.27	2.22	.01	1.41	2.53	1.68	-.08	.00
1.50	3.57	8.12	35113	1896	1044	53000	28300	1.24	432	13.0
	RAM	1.05	1.05	.01	+.01	1.22	1.39	-.37	-.00	.00
	BLEED	-.68	.38	.54	.04	-.76	-1.47	1.89	.06	.00
	POWER	.65	2.55	1.28	.02	.79	1.53	1.00	-.04	.00

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MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.30	NR =	1.00	1910	10200	.97	872	47.4	201	1414
	P2 =	5.81	1.01	1457	-.72	-.01	.99	1.01	-.07
	T2 =	437	.02	-1403	1.68	-.15	-.62	.02	.76
	ERI =	0	-.07	4.21	4.01	.49	2.06	-.07	4.44
.60	NR =	1.00	4350	10800	1.04	904	54.5	229	1436
	P2 =	6.96	1.01	1455	-.70	-.00	.98	1.01	-.07
	T2 =	461	.03	-1.20	1.80	-.17	-.63	.03	.70
	ERI =	0	-.09	4.11	3.27	.40	1.79	-.09	3.95
.90	NR =	1.00	7930	12400	1.11	953	67.1	279	1477
	P2 =	9.23	1.01	1.56	-.60	.00	1.01	1.01	.00
	T2 =	499	.05	-1.37	1.93	-.18	-.65	.05	.63
	ERI =	0	-.10	3.70	2.50	.34	1.44	-.10	3.24
1.20	NR =	.991	12800	13100	1.19	1003	81.0	338	1471
	P2 =	13.12	1.02	1457	-.61	.00	1.02	1.02	.00
	T2 =	554	.04	-1.70	2.24	-.20	-.69	.04	.56
	ERI =	0	-.05	3.57	1.90	.27	1.24	-.05	2.68
1.50	NR =	.971	24700	26700	1.26	1174	140.0	522	1843
	P2 =	19.44	1.03	1436	-.35	-.00	1.03	1.03	-.00
	T2 =	623	.04	-1.33	1.99	-.18	-.63	.04	.68
	ERI =	0	-.05	1.79	1.08	.16	.65	-.05	1.46

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MO	P2/	B/APO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.30	18.08	2.63	9871	1414	1068	12500	10600	.93	467	16.0
	RAM	.93	.91	-.07	.00	1.40	1.47	-.60	.01	.00
	BLEED	-.53	.62	.76	+.00	-.82	-.97	1.61	.02	.00
	POWER	2.23	8.31	4.44	+.00	3.32	3.93	4.28	-.07	.00
.60	18.28	3.00	11259	1436	1068	15500	11100	1.01	457	16.0
	RAM	.92	.90	-.07	.00	1.33	1.46	-.60	.01	.00
	BLEED	-.57	.57	.70	.02	-.82	-1.15	1.75	.03	.00
	POWER	2.13	7.48	3.95	+.05	2.86	4.02	3.36	-.09	.00
.90	18.49	3.71	13770	1477	1068	20500	12600	1.09	436	16.0
	RAM	1.01	1.00	.00	-.00	1.33	1.53	-.57	.01	.00
	BLEED	-.61	.51	.63	.01	-.81	-1.35	1.90	.05	.00
	POWER	1.68	6.29	3.24	.01	2.19	3.63	2.57	-.10	.00
1.20	2.41	4.48	15666	1471	1068	26200	13400	1.17	391	16.0
	RAM	1.02	1.01	.00	.00	1.29	1.55	-.59	.01	.00
	BLEED	-.66	.48	.56	.00	-.84	-1.67	2.21	.04	.00
	POWER	1.42	5.55	2.68	+.00	1.79	3.55	1.93	-.05	.00
1.50	3.57	7.82	33492	1843	1068	51900	27100	1.23	433	13.0
	RAM	1.03	1.03	-.00	.00	1.22	1.39	-.38	.00	.00
	BLEED	-.55	.62	.68	+.02	-.68	-1.34	2.00	.04	.00
	POWER	.79	2.91	1.46	+.02	.92	1.80	1.07	-.05	.00

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MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.30	NR = 1.00	1.06	1900	10100	.96	869	47.0	200	1402
	P2 = 5.81	RAM	1.01	1.58	-.72	-.01	.99	1.01	-.06
	T2 = 437	BLEED	.02	-1.04	1.68	-.15	-.62	.02	.75
	ERI = 0	POWER	-.08	4.23	4.04	.48	2.06	-.08	4.46
.60	NR = 1.00	1.28	4320	10600	1.04	901	53.9	228	1422
	P2 = 6.96	RAM	1.01	1.55	-.71	-.01	.98	1.01	-.07
	T2 = 461	BLEED	.04	-1.25	1.80	-.17	-.65	.04	.66
	ERI = 0	POWER	-.09	4.00	3.17	.39	1.73	-.09	3.80
.90	NR = 1.00	1.69	7830	10900	1.08	953	66.7	275	1352
	P2 = 9.23	RAM	1.01	1.64	-.69	.00	1.01	1.01	.00
	T2 = 499	BLEED	.07	-1.48	2.12	-.21	-.64	.07	.60
	ERI = 0	POWER	-.12	4.13	2.69	.38	1.53	-.12	3.43
1.20	NR = .991	2.41	12600	12400	1.20	995	78.7	331	1440
	P2 = 13.12	RAM	1.02	1.60	-.64	.00	1.02	1.02	.00
	T2 = 554	BLEED	.03	-1.78	2.29	-.21	-.70	.03	.54
	ERI = 0	POWER	-.05	3.79	1.90	.29	1.28	-.05	2.76
1.50	NR = .971	3.57	24700	26500	1.26	1174	139.8	522	1838
	P2 = 19.44	RAM	1.03	1.66	-.35	.00	1.03	1.03	.00
	T2 = 623	BLEED	.04	-1.34	1.99	-.18	-.63	.04	.67
	ERI = 0	POWER	-.05	1.77	1.07	.15	.64	-.05	1.45

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MO	P2/PO	P8/PO	MFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.30	1.06	2.60	9693	1402	1070	12300	10400	.93	465	16.0
	RAM .93	.91	-.06	+.00	1.40	1.48	-.61	.01	.00	
	BLEED -.53	.62	.75	+.00	-.82	-.97	1.61	.02	.00	
	POWER 2.24	8.37	4.46	+.01	3.34	3.97	4.30	-.08	.00	
.60	1.28	2.97	11023	1422	1070	15200	10900	1.01	454	16.0
	RAM .91	.90	-.07	.00	1.33	1.46	-.61	.01	.00	
	BLEED -.62	.52	.66	.05	-.86	-1.21	1.76	.04	.00	
	POWER 1.88	7.26	3.80	.00	2.70	3.80	3.37	-.09	.00	
.90	1.69	3.48	11736	1352	1070	18900	11100	1.06	430	16.0
	RAM 1.01	1.00	.00	+.00	1.35	1.59	-.64	.01	.00	
	BLEED -.60	.59	.60	+.01	-.81	-1.43	2.07	.07	.00	
	POWER 1.77	6.92	3.43	+.02	2.32	4.04	2.78	-.12	.00	
1.20	2.41	4.33	14803	1440	1070	25200	12600	1.17	384	16.0
	RAM 1.02	1.02	.00	+.00	1.30	1.58	-.62	.01	.00	
	BLEED -.68	.45	.54	.01	-.86	-1.76	2.27	.03	.00	
	POWER 1.45	5.76	2.76	.01	1.85	3.74	1.95	-.05	.00	
1.50	3.57	7.79	33334	1838	1070	51800	27000	1.23	433	13.0
	RAM 1.03	1.03	.00	+.00	1.22	1.39	-.39	-.00	.00	
	BLEED -.56	.61	.67	+.02	-.68	-1.35	2.00	.04	.00	
	POWER .77	2.88	1.45	+.01	.91	1.78	1.06	-.05	.00	

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MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
.30	NR = 1.00	1.06	1780	7610	-.92	843	42.8	188	1187
	P2 = 5.81	RAM	1.01	1176	-.93	-.00	.99	1.01	-.05
	T2 = 437	BLEED	.06	-1123	1.92	-.20	-.62	.06	.65
	ERI = 0	POWER	-.20	5.62	5.09	.60	2.43	-.20	5.49
.60	NR = 1.00	1.28	3960	7360	1.01	866	47.5	209	1181
	P2 = 6.96	RAM	1.01	1183	-1.02	-.00	.99	1.01	-.06
	T2 = 461	BLEED	.05	-1149	2.19	-.21	-.64	.05	.62
	ERI = 0	POWER	-.16	6.00	4.09	.57	2.24	-.16	4.99
.90	NR = 1.00	1.69	6860	6930	1.13	898	54.2	241	1156
	P2 = 9.23	RAM	1.01	1184	-1.05	-.00	.99	1.01	-.06
	T2 = 499	BLEED	.03	-1190	2.70	-.20	-.67	.03	.60
	ERI = 0	POWER	-.08	6144	3.02	.45	2.01	-.08	4.29
1.20	NR = .991	2.41	10600	6780	1.31	931	60.7	280	1192
	P2 = 13.12	RAM	1.02	1197	-1.08	.00	1.02	1.02	-.00
	T2 = 554	BLEED	.01	-2126	3.24	-.15	-.66	.01	.66
	ERI = 0	POWER	-.02	6.70	1.81	.29	1.73	-.02	3.60
1.50	NR = .971	3.57	24800	25400	1.25	1171	138.4	522	1790
	P2 = 19.44	RAM	1.03	1137	-.37	.00	1.03	1.03	.00
	T2 = 623	BLEED	.04	-1143	2.04	-.18	-.64	.04	.63
	ERI = 0	POWER	-.03	1170	1.02	.13	.63	-.03	1.35

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MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FN8	SFCB	WZK	BTANG
.30	11.06	2.20	6990	1187	1095	9700	7920	.88	437	16.0
	RAM	.94	.91	-.05	+.00	1.52	1.64	-.79	.01	.00
	BLEED	-.57	.65	.65	.01	-.92	-1.14	1.82	.06	.00
	POWER	2.68	10.86	5.49	+.05	4.22	5.21	5.50	-.20	.00
.60	1.28	2.43	7458	1181	1094	11600	7590	.98	416	16.0
	RAM	.93	.90	-.06	.00	1.44	1.67	-.84	.01	.00
	BLEED	-.59	.65	.62	.01	-.91	-1.42	2.11	.05	.00
	POWER	2.39	10.24	4.99	.01	3.67	5.66	4.43	-.16	.00
.90	11.69	2.75	7835	1156	1095	14000	7100	1.10	377	16.0
	RAM	.92	.89	-.06	.01	1.37	1.72	-.92	.01	.00
	BLEED	-.62	.72	.60	.01	-.91	-1.83	2.62	.03	.00
	POWER	2.08	9.59	4.29	.03	3.09	6.14	3.31	-.08	.00
1.20	2.41	3.22	8870	1192	1095	17500	6920	1.28	324	16.0
	RAM	1.01	.99	-.00	.00	1.38	1.94	-1.05	.01	.00
	BLEED	-.62	.87	.66	+.01	-.86	-2.21	3.18	.01	.00
	POWER	1.90	8.60	3.60	.02	2.58	6.57	1.94	-.02	.00
1.50	31.57	7.50	31863	1790	1095	50700	25900	1.23	433	13.0
	RAM	1.03	1.03	.00	+.00	1.22	1.41	-.40	-.00	.00
	BLEED	-.61	.56	.63	.00	-.72	-1.44	2.05	.04	.00
	POWER	.72	2.76	1.35	.00	.86	1.72	1.01	-.03	.00

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MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
.30	NR =	1.00	1290	2200	1.30	736	26.4	136	865
	P2 =	5.81	1.02	1177	-1.81	-.03	.84	1.02	-.46
	T2 =	437	.01	-1.45	3.14	-.14	-.54	.01	.96
	ERI =	0	POWER	-0.05	11.93	8.18	.65	3.91	-.05
.60	NR =	1.00	2780	1170	2.27	752	27.9	147	827
	P2 =	6.96	1.01	2185	-3.10	-.03	.87	1.01	-.37
	T2 =	461	.01	-3.99	5.84	-.16	-.63	.01	.75
	ERI =	0	POWER	-.06	25113	-2.67	.68	3.82	-.06
.90	NR =	1.00	4770	20	132.04	779	30.9	168	775
	P2 =	9.23	1.01	174143	22.56	-.02	.90	1.01	-.28
	T2 =	499	.02	-333128	-83.83	-.16	-.64	.02	.70
	ERI =	0	POWER	-.06	1841142	-263.53	.59	3.56	-.06
1.20	NR =	.991	7540	-1160	-1.735	813	34.5	199	759
	P2 =	13.12	1.02	-2.09	2.05	-.01	.93	1.02	-.23
	T2 =	554	.01	6.77	-3.96	-.17	-.69	.01	.58
	ERI =	0	POWER	-.03	-33.65	73.82	.53	3.43	-.03
1.50	NR =	.971	24800	19500	1.28	1158	131.0	524	1556
	P2 =	19.44	1.03	1147	-.48	.00	1.03	1.03	.00
	T2 =	623	.03	-1.37	2.55	-.11	-.56	.03	.86
	ERI =	0	POWER	-.03	2114	1.05	.14	.68	-.03

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MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.30	16.06	1.35	2874	865	1257	3800	2510	1.14	315	13.0
	RAM	.41	.11	-.46	.02	1.43	1.65	-1.67	.02	.00
	BLEED	-.22	1.63	.96	-.07	-.86	-1.30	2.99	.01	.00
	POWER	2.08	20.38	7.65	.06	7.20	10.91	9.20	-.05	.00
.60	1.28	1.39	2662	827	1258	4290	1510	1.77	292	13.0
	RAM	.46	.18	-.37	.01	1.49	2.37	-2.49	.01	.00
	BLEED	-.37	1.49	.75	.04	-1.14	-3.26	5.00	.01	.00
	POWER	2.28	22.26	7.51	+.05	7.09	20.31	1.85	-.06	.00
.90	11.69	1.48	2286	775	1257	5140	370	6.13	262	13.0
	RAM	.58	.22	-.28	+.00	1.56	8.57	-14.60	.01	.00
	BLEED	-.42	1.98	.70	+.00	-1.13	-15.74	23.20	.02	.00
	POWER	2.21	25.27	6.96	.25	6.17	85.95	-47.21	-.06	.00
1.20	2.41	1.65	2018	759	1258	6750	-790	-2.550	230	13.0
	RAM	.65	.18	-.23	.01	1.50	-3.07	2.82	.01	.00
	BLEED	-.50	2.41	.58	+.01	-1.15	9.92	-6.54	.01	.00
	POWER	2.61	31.42	6.58	+.12	5.76	-49.49	97.98	-.03	.00
1.50	31.57	6.02	24960	1556	1257	45000	20200	1.24	434	13.0
	RAM	1.03	1.03	.00	+.00	1.25	1.52	-.53	-.00	.00
	BLEED	-.46	1.13	.86	+.04	-.60	-1.38	2.56	.03	.00
	POWER	.78	3.24	1.47	.00	.95	2.16	1.04	-.03	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.13.8

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

MO		P2/PO	FD	FN	WFT	TE	PE	W2
.60	NR =	1.00	1640	-490	1283	630	14.5	86
	P2 =	6.96	RAM 1.02	.96	-1.44	-.11	.56	1.02
	T2 =	461	BLEED .01	2.76	1.58	-.22	-.60	.01
	ERI =	0	POWER -.14	-36.43	51.29	2.04	8.22	-.14
.90	NR =	1.00	3700	-1390	1200	707	21.1	130
	P2 =	9.23	RAM 1.53	-.10	.00	.15	1.42	1.53
	T2 =	499	BLEED -1.29	3.44	.00	-.62	-2.26	-1.29
	ERI =	100	POWER -18.50	7.75	.00	-5.90	-18.89	-18.50
1.20	NR =	.991	7330	-2350	1283	801	32.1	193
	P2 =	13.12	RAM 1.42	-1.08	1.29	.12	1.46	1.42
	T2 =	554	BLEED -1.40	5.85	-2.67	-.65	-2.67	-1.40
	ERI =	100	POWER -12.22	14.89	-13.98	-3.71	-13.98	-12.22

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.13.8

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

25000 FEET

MO	P2/PO	TC	P8/PO	T8	PCN	FGB	FNB	W2K	BTANG
.60	1.28	754	1.09	754	61.0	1240	-400	172	13.0
	RAM	-1.01	.09	-1.01	.00	1.03	.97	.02	.00
	BLEED	.80	-.10	.80	.00	-1.16	3.63	.01	.00
	POWER	15.88	1.26	15.88	.00	15.39	-47.95	-.14	.00
.90	1.69	684	1.18	684	67.9	2480	-1220	204	13.0
	RAM	-.42	.40	-.42	.20	2.46	-.36	.56	.00
	BLEED	.30	-.67	.30	-.49	-4.05	4.30	-1.29	.00
	POWER	1.73	-5.57	1.73	-6.92	-33.61	12.07	-18.50	.00
1.20	2.41	688	1.41	688	74.1	5210	-2120	224	13.0
	RAM	-.02	.80	-.02	.17	2.49	-1.24	.43	.00
	BLEED	-.42	-1.48	-.42	-.57	-4.62	6.54	-1.40	.00
	POWER	-2.53	-7.65	-2.53	-4.88	-24.01	16.79	-12.22	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.16.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

MO		P2/P0	FD	FN	WFT	TE	PE	W2
.60	NR = 1.00	1.28	1540	-530	1200	617	13.5	81
	P2 = 6.96	RAM	2.25	-.42	.00	.33	1.85	2.25
	T2 = 461	BLEED	-1.17	4.07	.00	-.64	-1.90	-1.17
	ERI = 100	POWER	-43.27	23.77	.00	-13.25	-38.93	-43.27
.90	NR = 1.00	1.69	2240	-1550	222	582	11.1	79
	P2 = 9.23	RAM	2.74	1.78	1.98	.59	2.36	2.74
	T2 = 499	BLEED	-1.06	.13	-1.90	-.63	-1.90	-1.06
	ERI = 100	POWER	-69.39	-41.12	-66.61	-21.00	-66.61	-69.39
1.20	NR = .991	2.41	6330	-2980	516	758	25.8	167
	P2 = 13.12	RAM	1.63	.01	1.75	.24	1.75	1.63
	T2 = 554	BLEED	-.92	2.43	-2.20	-.63	-2.20	-.92
	ERI = 100	POWER	-12.74	3.11	-15.04	-4.74	-15.04	-12.74

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.16.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

MO	P2/PO	TC	P8/PO	T8	PCN	FGB	FNB	W2K	BTANG
.60	1.28	752	1.08	752	59.3	1100	-440	162	13.0
	RAM	-.94	.28	-.94	.62	3.61	-1.12	1.32	.00
	BLEED	.62	-.31	.62	-.56	-3.84	5.49	-1.17	.00
	POWER	12.04	-6.19	12.04	-20.44	-77.30	41.31	-43.27	.00
.90	1.69	550	1.05	550	52.2	740	-1490	123	13.0
	RAM	-.06	.24	-.06	1.19	4.90	1.67	1.84	.00
	BLEED	-.15	-.17	-.15	-.85	-3.73	.27	-1.06	.00
	POWER	-6.78	-6.25	-6.78	-53.42	-132.68	-37.84	-69.39	.00
1.20	2.41	612	1.27	612	70.1	3560	-2770	193	13.0
	RAM	.02	.69	.02	.23	3.00	-.13	.66	.00
	BLEED	-.36	-.85	-.36	-.33	-3.79	2.77	-.92	.00
	POWER	-3.04	-5.91	-3.04	-4.57	-26.07	4.41	-12.74	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	4570	23600	1.85	1036	63.6	230	2059
	P2 =	6.96	RAM	1.01	1.37	-.41	.00	1.01	1.01	.00
	T2 =	503	BLEED	.02	-1.64	.86	-.34	-.97	.02	-.00
	ERI =	0	POWER	-.00	-1.86	1.28	.04	.12	-.00	.00
.90	NR =	1.00	1.69	8420	27200	1.84	1087	78.2	283	2059
	P2 =	9.23	RAM	1.01	1.91	-.96	.00	1.01	1.01	.00
	T2 =	546	BLEED	.07	-1.40	1.43	-.26	-.91	.07	.01
	ERI =	0	POWER	-.01	-.90	.91	.03	.12	-.01	.00
1.20	NR =	.991	2.41	14400	29900	1.67	1161	100.5	363	2059
	P2 =	13.12	RAM	1.02	1.83	-.86	.00	1.02	1.02	-.00
	T2 =	605	BLEED	.09	-1.52	1.55	-.26	-.88	.09	.01
	ERI =	0	POWER	-.01	-1.81	.82	.03	.11	-.01	.00
1.50	NR =	.971	3.57	23200	31700	1.58	1246	129.7	469	2059
	P2 =	19.45	RAM	1.03	1.75	-.78	-.00	1.03	1.03	-.00
	T2 =	681	BLEED	.06	-1.76	1.81	-.25	-.91	.06	.01
	ERI =	0	POWER	-.01	-2.60	.61	.02	.08	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.60	1.28	4.09	43543	3474	1296	28400	23800	1.83	479	13.0
	RAM	1.01	.98	-.01	-.01	1.31	1.37	-.41	.01	.00
	BLEED	-1.32	-.80	-.01	.35	-1.37	-1.64	.86	.02	.00
	POWER	-2.38	.41	-.07	2.33	-.75	-.89	1.31	-.00	.00
.90	1.69	4.93	50000	3371	1295	36000	27600	1.81	463	13.0
	RAM	1.04	.00	-.58	-.39	.94	.92	-.97	.01	.00
	BLEED	-1.42	.00	.41	.76	-1.04	-1.38	1.41	.07	.00
	POWER	-1.86	.00	-.27	1.68	-.54	-.84	.84	-.01	.00
1.20	2.41	6.16	50000	2925	1221	44800	30400	1.64	440	13.0
	RAM	1.05	.00	-.67	-.40	.88	.82	-.85	.01	.00
	BLEED	-1.37	.00	.42	.69	-.96	-1.46	1.50	.09	.00
	POWER	-1.42	.00	-.28	1.23	-.47	-.69	.70	-.01	.00
1.50	3.57	7.78	50000	2521	1146	55600	32300	1.55	406	13.0
	RAM	1.05	.00	-.63	-.39	.88	.77	-.80	.00	.00
	BLEED	-1.42	.00	.33	.67	-1.00	-1.77	1.82	.06	.00
	POWER	-1.17	.00	-.22	1.02	-.35	-.59	.60	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

MO		P2/RO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	4560	16300	1.18	1041	64.6	230	2059
	P2 =	6.96	RAM	1.01	1444	-.47	.00	1.01	1.01	-.00
	T2 =	503	BLEED	.02	-1478	1.17	-.33	-.96	.02	-.01
	ERI =	0	POWER	-.00	-.83	1.60	.03	.11	-.00	-.01
.90	NR =	1.00	1.69	8410	18600	1.23	1091	79.3	283	2059
	P2 =	9.23	RAM	1.01	1440	-.42	.00	1.01	1.01	.00
	T2 =	546	BLEED	.07	-1489	1.35	-.26	-.90	.07	-.01
	ERI =	0	POWER	-.01	-164	1.30	.03	.10	-.01	.00
1.20	NR =	.991	2.41	14400	22200	1.28	1165	101.8	363	2059
	P2 =	13.12	RAM	1.02	1440	-.42	.00	1.02	1.02	.00
	T2 =	605	BLEED	.11	-1499	1.51	-.25	-.85	.11	-.01
	ERI =	0	POWER	-.01	-144	.96	.02	.10	-.01	.00
1.50	NR =	.971	3.97	23200	26100	1.33	1252	131.5	468	2059
	P2 =	19.45	RAM	1.03	1435	-.35	-.00	1.03	1.03	-.00
	T2 =	681	BLEED	.07	-2.26	1.78	-.27	-.89	.07	-.01
	ERI =	0	POWER	-.01	-.45	.88	.02	.08	-.01	.00

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GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

MO	P2/PO	P8/PO	WFT	T0	A8	FG8	FNB	SFCB	W2K	BTANG
.60	1.28	4.27	19270	2059	927	21200	16700	1.16	479	16.0
	RAM	1.01	1.01	-.00	.00	1.30	1.38	-.40	.01	.00
	BLEED	-1.30	-.64	-.01	.32	-1.34	-1.72	1.10	.02	.00
	POWER	-2.27	.77	-.01	2.21	-.65	-.83	1.60	-.00	.00
.90	1.69	5.14	23005	2059	943	27400	19000	1.21	462	16.0
	RAM	1.01	1.00	.08	.00	1.25	1.36	-.39	.01	.00
	BLEED	-1.37	-.58	-.01	.44	-1.26	-1.85	1.31	.07	.00
	POWER	-1.82	.65	.00	1.78	-.45	-.64	1.30	-.01	.00
1.20	2.41	6.38	28383	2059	972	36900	22500	1.26	439	13.0
	RAM	1.02	1.02	.00	.00	1.23	1.36	-.37	.01	.00
	BLEED	-1.32	-.53	-.01	.43	-1.16	-1.98	1.50	.11	.00
	POWER	-1.37	.52	.00	1.33	-.29	-.47	1.00	-.01	.00
1.50	3.57	8.01	34808	2059	997	49700	26500	1.31	405	13.0
	RAM	1.03	1.03	-.00	.00	1.21	1.38	-.37	.00	.00
	BLEED	-1.32	-.54	-.01	.39	-1.16	-2.25	1.77	.07	.00
	POWER	-1.15	.42	.00	1.12	-.21	-.39	.81	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

M0		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	4360	11400	1.11	990	55.5	220	1628
	P2 =	6.96	RAM	1.01	1.57	-.64	-.00	1.01	1.01	-.02
	T2 =	503	BLEED	.04	-1.28	1.69	-.18	-.67	.04	.58
	ERI =	0	POWER	-.10	3.98	3.16	.42	1.73	-.10	3.86
.90	NR =	1.00	1.69	8000	13400	1.18	1047	68.9	269	1685
	P2 =	9.23	RAM	1.01	1.55	-.59	.00	1.01	1.01	.00
	T2 =	546	BLEED	.05	-1.28	1.87	-.19	-.63	.05	.66
	ERI =	0	POWER	-.11	3.58	2.40	.34	1.38	-.11	3.18
1.20	NR =	.991	2.41	13500	16000	1.26	1118	88.3	339	1745
	P2 =	13.12	RAM	1.02	1.48	-.49	.00	1.02	1.02	.00
	T2 =	605	BLEED	.04	-1.47	2.01	-.19	-.66	.04	.60
	ERI =	0	POWER	-.08	3.02	1.79	.27	1.10	-.08	2.46

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

F.S. 7.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FN8	SFCB	W2K	BTANG
.60	1.28	3.16	12696	1628	1045	16200	11800	1.08	458	16.0
	RAM	.99	.98	-.02	.01	1.37	1.50	-.56	.01	.00
	BLEED	-.70	.38	.58	.06	-.91	-1.26	1.67	.04	.00
	POWER	2.10	7.23	3.86	-.06	2.78	3.84	3.30	-.10	.00
.90	1.69	3.93	15816	1685	1045	21700	13700	1.16	440	16.0
	RAM	1.01	1.01	.00	-.00	1.31	1.49	-.52	.01	.00
	BLEED	-.58	.55	.66	-.00	-.76	-1.24	1.82	.05	.00
	POWER	1.68	6.06	3.18	-.03	2.14	3.46	2.52	-.11	.00
1.20	2.41	5.05	20130	1745	1045	29800	16400	1.23	411	16.0
	RAM	1.02	1.03	.00	-.00	1.27	1.48	-.49	.01	.00
	BLEED	-.64	.49	.60	.02	-.78	-1.46	2.00	.04	.00
	POWER	1.28	4.87	2.46	.01	1.60	2.99	1.82	-.08	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.9

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	4110	9340	1.10	958	50.0	207	1486	
	P2 =	6.96	RAM	1.01	1.63	-.79	-.01	1.01	-.06	
	T2 =	503	BLEED	.04	-1.27	1.89	-.18	-.63	.67	
	ERI =	0	POWER	-.12	4.67	3.44	.44	1.89	-1.12	4.24
.90	NR =	1.00	7220	9520	1.20	996	58.3	243	1473	
	P2 =	9.23	RAM	1.01	1.69	-.76	.00	1.01	1.01	-.00
	T2 =	546	BLEED	.04	-1.63	2.15	-.20	-.68	.04	.56
	ERI =	0	POWER	-.07	4.84	2.65	.38	1.72	-.07	3.74
1.20	NR =	.991	11300	9160	1.31	1041	67.7	286	1434	
	P2 =	13.12	RAM	1.02	1.78	-.83	.00	1.02	1.02	.01
	T2 =	605	BLEED	.02	-2.04	2.69	-.17	-.70	.02	.57
	ERI =	0	POWER	-.03	5.20	1.92	.35	1.56	-.03	3.25

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.9

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.60	1.28	2.78	10316	1486	1067	13800	9660	1.07	431	16.0
	RAM	.93	.90	-.06	-.00	1.37	1.53	-.67	.01	.00
	BLEED	-.55	.58	.67	.00	-.83	-1.20	1.81	.04	.00
	POWER	2.07	8.22	4.24	.01	3.05	4.39	3.72	-.12	.00
.90	1.69	3.22	11408	1473	1068	17000	9780	1.17	397	16.0
	RAM	1.00	.99	-.00	.00	1.37	1.64	-.70	.01	.00
	BLEED	-.66	.47	.56	.01	-.90	-1.59	2.10	.04	.00
	POWER	1.99	7.59	3.74	-.01	2.67	4.69	2.80	-.07	.00
1.20	2.41	3.74	11995	1434	1067	20800	9420	1.27	346	16.0
	RAM	1.03	1.02	.01	-.00	1.34	1.73	-.78	.01	.00
	BLEED	-.70	.57	.57	.03	-.90	-2.00	2.65	.02	.00
	POWER	1.72	7.21	3.25	.04	2.27	5.05	2.07	-.03	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 8.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	4050	8260	1.07	958	49.7	205	1364
	P2 =	6.96	RAM	1.01	1.71	-.89	-.01	.99	1.01	-.06
	T2 =	503	BLEED	.06	-1.39	2.05	-.21	-.63	.06	.63
	ERI =	0	POWER	-.15	5.17	3.68	.50	2.00	-.15	4.46
.90	NR =	1.00	1.69	7080	8090	1.17	994	57.4	238	1341
	P2 =	9.23	RAM	1.01	1.74	-.92	-.00	.99	1.01	-.06
	T2 =	546	BLEED	.04	-1.72	2.47	-.19	-.66	.04	.62
	ERI =	0	POWER	-.09	5.45	2.84	.43	1.82	-.09	3.93
1.20	NR =	.991	2.41	11000	8300	1.33	1030	64.9	278	1392
	P2 =	13.12	RAM	1.02	1.84	-.92	.00	1.02	1.02	-.00
	T2 =	605	BLEED	.01	-1.82	2.82	-.14	-.62	.01	.75
	ERI =	0	POWER	-.02	5.75	1.85	.32	1.64	-.02	3.42

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 8.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	WZK	BTANG
.60	1.28	2.62	8849	1364	1070	12600	8590	1.03	426	16.0
	RAM	.93	.90	-.06	-.00	1.40	1.59	-.74	.01	.00
	BLEED	-.56	.62	.63	-.00	-.86	-1.29	1.95	.06	.00
	POWER	2.19	8.97	4.46	-.04	3.23	4.83	4.02	-.15	.00
.90	1.69	2.99	9500	1341	1069	15400	8350	1.14	389	16.0
	RAM	.93	.90	-.06	-.01	1.34	1.63	-.79	.01	.00
	BLEED	-.61	.69	.62	.03	-.87	-1.64	2.38	.04	.00
	POWER	1.96	8.41	3.93	.07	2.78	5.21	3.08	-.09	.00
1.20	2.41	3.56	11048	1392	1070	19600	8540	1.29	337	16.0
	RAM	1.02	1.00	-.00	.00	1.35	1.78	-.85	.01	.00
	BLEED	-.51	.92	.75	-.07	-.75	-1.74	2.74	.01	.00
	POWER	1.90	7.69	3.42	-.05	2.44	5.63	1.97	-.02	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

MO		P2APO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	3540	5130	1.16	902	40.3	179	1171
	P2 =	6.96	RAM	1.01	2105	-1.32	-.01	.98	1.01	-.08
	T2 =	503	BLEED	.03	-1.88	2.64	-.20	-.67	.03	.60
	ERI =	0	POWER	-.10	8267	4.06	.61	2.74	-.10	5.86
.90	NR =	1.00	1.69	6010	4270	1.36	930	44.7	202	1125
	P2 =	9.23	RAM	1	2440	-1.73	-.00	.99	1.01	-.06
	T2 =	515	BLEED	.03	-2149	3.63	-.16	-.65	.01	.67
	ERI =		POWER	-.04	11662	1.89	.60	2.69	-.04	5.63
1.20	NR =	.991	2.41	9310	3930	1.65	968	50.0	235	1158
	P2 =	13.12	RAM	1.02	2650	-1.86	-.00	.99	1.02	-.06
	T2 =	605	BLEED	.02	-3.48	4.56	-.18	-.70	.02	.56
	ERI =	0	POWER	-.04	11776	.03	.41	2.19	-.04	4.48
1.50	NR =	.971	3.57	23300	21700	1.32	1239	125.8	469	1838
	P2 =	19.45	RAM	1.03	1444	-.44	.00	1.03	1.03	.00
	T2 =	681	BLEED	.04	-1460	2.19	-.19	-.67	.04	.59
	ERI =	0	POWER	-.03	2111	1.10	.15	.72	-.03	1.55

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

MO	P2/PO	PM/PO	WFE	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.60	11.28	2.08	5936	1171	1095	9010	5470	1.09	372	16.0
	RAM	.91	.86	-.08	+.00	1.54	1.88	-1.12	.01	.00
	BLEED	-.62	.69	.60	.00	-1.04	-1.73	2.49	.03	.00
	POWER	2.92	12.91	5.86	+.00	4.79	7.96	4.76	-.10	.00
.90	11.69	2.29	5826	1125	1095	10600	4550	1.28	330	16.0
	RAM	.93	.88	-.06	.00	1.48	2.10	-1.37	.01	.00
	SPEED	-.60	1.00	.67	.01	-.96	-2.24	3.36	.01	.00
	POWER	2.93	13.63	5.63	+.09	4.49	10.47	2.99	-.04	.00
1.20	2.41	2.68	6469	1158	1095	13400	4110	1.57	284	16.0
	RAM	.93	.87	-.06	.00	1.39	2.25	-1.55	.01	.00
	BLEED	-.66	.85	.56	.01	-.98	-3.24	4.30	.02	.00
	POWER	2.17	11.80	4.48	.08	3.29	10.82	.92	-.04	.00
1.50	9.57	6.83	28610	1838	1095	45300	22100	1.30	406	13.0
	RAM	1.03	1.03	.00	+.00	1.24	1.45	-.45	-.00	.00
	BLEED	-.64	.54	.59	.01	-.76	-1.60	2.19	.04	.00
	POWER	.84	3.25	1.55	+.00	1.01	2.10	1.10	-.03	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

MO		P2/RO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	2460	540	4.18	789	24.0	124	865
	P2 =	6.96	RAM	1.02	3332	-4.26	-.04	.81	1.02	-.54
	T2 =	503	BLEED	.01	-609	8.55	-.18	-.62	.01	.79
	ERI =	0	POWER	-.07	5082	-20.95	.94	4.56	-.07	8.76
.90	NR =	1.00	1.69	4250	-660	-2.675	817	26.4	143	792
	P2 =	9.23	RAM	1.01	-1174	1.23	-.03	.83	1.01	-.45
	T2 =	546	BLEED	.01	6158	-3.80	-.18	-.65	.01	.72
	ERI =	0	POWER	-.03	-4055	82.59	.75	4.16	-.03	7.77
1.20	NR =	.991	2.41	6730	-1960	-.660	852	29.2	170	757
	P2 =	13.12	RAM	1.02	-132	-.42	-.02	.87	1.02	-.37
	T2 =	605	BLEED	.02	3121	.40	-.16	-.67	.02	.61
	ERI =	0	POWER	-.08	-18181	71.92	.61	4.06	-.08	7.67
1.50	NR =	.971	3.57	23300	16400	1.36	1225	119.0	470	1599
	P2 =	19.45	RAM	1.03	1155	-.56	-.00	1.03	1.03	.00
	T2 =	681	BLEED	.03	-1157	2.78	-.10	-.57	.03	.82
	ERI =	0	POWER	-.03	2.53	1.06	.14	.74	-.03	1.58

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

MO	P2/PO	PE/PO	WFT	T8	AB	FGB	FNB	SFCB	W2K	BTANG
.60	11.28	1.29	2243	865	1258	3290	820	2.73	259	13.0
	RAM	.34	-.23	-.54	.01	1.38	2.48	-3.10	.02	.00
	BLEED	-.24	1.68	.79	+.06	-1.03	-4.15	6.21	.01	.00
	POWER	2.36	27.30	8.76	+.50	8.87	35.66	-7.69	-.07	.00
.90	11.69	1.36	1752	792	1256	3910	-340	-5.210	233	13.0
	RAM	.43	-.40	-.45	+.03	1.46	-4.27	3.19	.01	.00
	BLEED	-.33	2.41	.72	+.00	-1.15	13.42	-9.17	.01	.00
	POWER	1.89	33.18	7.77	.44	6.94	-81.15	145.62	-.03	.00
1.20	2.41	1.48	1289	757	1257	5130	-1600	-.805	205	13.0
	RAM	.54	-.74	-.37	.02	1.49	-.48	-.26	.01	.00
	BLEED	-.45	3.63	.61	.02	-1.22	4.01	-.36	.02	.00
	POWER	2.88	49.22	7.67	+.23	7.23	-23.52	78.01	-.08	.00
1.50	31.57	5.49	22232	1599	1257	40100	16800	1.32	407	13.0
	RAM	1.03	1.03	.00	+.00	1.27	1.59	-.61	.00	.00
	BLEED	-.53	1.14	.82	.01	-.64	-1.57	2.78	.03	.00
	POWER	.87	3.63	1.58	+.02	1.05	2.53	1.05	-.03	.00

10, 36009 FEET

PREVIOUS PAGE WAS BLANK, THEREFORE WAS NOT FILLED.

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

36089 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	2810	15800	1.75	891	40.6	155	1841
	P2 =	4.19	RAM	1.01	1.35	-.41	.00	1.01	1.01	.00
	T2 =	418	BLEED	.01	-1.63	.84	-.33	-.98	.01	.00
	ERI =	100	POWER	-.00	-1.43	2.11	.06	.21	-.00	.00
.90	NR =	1.00	1.69	5380	20800	1.78	964	53.9	198	1989
	P2 =	5.55	RAM	1.01	1.26	-.30	.00	1.01	1.01	.00
	T2 =	453	BLEED	.01	-1.62	.83	-.33	-.98	.01	.01
	ERI =	100	POWER	-.00	-1.03	1.53	.04	.14	-.00	-.00
1.20	NR =	.991	2.41	9470	27800	1.78	1036	72.4	262	2059
	P2 =	7.89	RAM	1.02	1.30	-.33	.00	1.02	1.02	.00
	T2 =	503	BLEED	.02	-1.68	.89	-.34	-.97	.02	-.01
	ERI =	0	POWER	-.00	-.45	.82	.03	.10	-.00	.00
1.50	NR =	.971	3.56	15600	31500	1.59	1112	95.8	346	2059
	P2 =	11.70	RAM	1.04	.75	-.78	.00	1.04	1.04	.00
	T2 =	566	BLEED	.09	-1.38	1.41	-.26	-.89	.09	.01
	ERI =	0	POWER	-.01	-.58	.59	.03	.11	-.01	-.00
1.80	NR =	.945	5.43	24900	33900	1.47	1204	127.4	460	2059
	P2 =	17.82	RAM	1.06	.67	-.69	.00	1.06	1.06	.00
	T2 =	643	BLEED	.08	-1.61	1.65	-.27	-.90	.08	-.00
	ERI =	0	POWER	-.01	-.52	.53	.02	.08	-.01	.00
2.00	NR =	.925	7.24	33100	35400	1.41	1269	152.2	550	2059
	P2 =	23.76	RAM	1.08	.70	-.72	-.00	1.08	1.08	.00
	T2 =	702	BLEED	.05	-1.87	1.92	-.24	-.92	.05	.00
	ERI =	0	POWER	-.00	-.47	.47	.02	.07	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.60	1.28	4.36	27502	3237	1306	18700	15900	1.73	490	13.0
	RAM	1.01	.97	.01	.00	1.30	1.35	-.41	.01	.00
	BLEED	-1.35	-.81	-.04	.35	-1.39	-1.64	.85	.01	.00
	POWER	-3.95	.66	-.13	3.85	-1.19	-1.40	2.07	-.00	.00
.90	1.69	5.80	36977	3413	1293	26500	21200	1.75	491	13.0
	RAM	1.01	.98	-.02	+.01	1.24	1.29	-.34	.01	.00
	BLEED	-1.35	-.81	-.00	.37	-1.30	-1.63	.84	.01	.00
	POWER	-2.85	.49	-.06	2.80	-.68	-.85	1.35	-.00	.00
1.20	2.41	7.73	49367	3468	1295	37600	28100	1.75	480	4.0
	RAM	1.02	.99	-.01	+.01	1.20	1.27	-.30	.01	.00
	BLEED	-1.33	-.81	-.02	.35	-1.23	-1.66	.87	.02	.00
	POWER	-2.09	.36	-.06	2.05	-.42	-.56	.93	-.00	.00
1.50	3.56	9.97	50000	2989	1213	47500	31800	1.57	455	4.0
	RAM	1.07	.00	-.68	+.41	.83	.73	-.76	.01	.00
	BLEED	-1.38	.00	.44	.71	-.88	-1.35	1.38	.09	.00
	POWER	-1.48	.00	-.25	1.30	-.38	-.57	.57	-.01	.00
1.80	5.43	12.87	50000	2522	1132	59300	34300	1.46	423	4.0
	RAM	1.09	.00	-.69	+.42	.83	.67	-.69	-.00	.00
	BLEED	-1.35	.00	.36	.64	-.89	-1.59	1.63	.08	.00
	POWER	-1.17	.00	-.22	1.02	-.29	-.49	.50	-.01	.00
2.00	7.24	15.14	50000	2329	1098	69000	35900	1.39	396	4.0
	RAM	1.11	.00	-.82	+.37	.88	.70	-.72	.00	.00
	BLEED	-1.44	-.00	.34	.67	-.93	-1.84	1.89	.05-66.67	
	POWER	-.99	.00	-.20	.86	-.24	-.46	.46	-.00-45.65	

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 36089 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	2810	14500	1.55	892	40.7	155	1841	
	P2 =	4.19	RAM	1.01	1.38	-.44	.00	1.01	1.01	.00
	T2 =	418	BLEED	.01	-1.69	.93	-.33	-.98	.01	.00
	ERI =	100	POWER	-.00	-1.55	2.34	.06	.21	-.00	.00
.90	NR =	1.00	5370	19100	1.59	965	54.0	198	1989	
	P2 =	5.55	RAM	1.01	1.27	-.31	.00	1.01	1.01	.00
	T2 =	453	BLEED	.01	-1.66	.90	-.33	-.98	.01	.00
	ERI =	100	POWER	-.00	-1.06	1.64	.04	.14	-.00	.00
1.20	NR =	.991	9470	25100	1.62	1037	72.6	262	2059	
	P2 =	7.89	RAM	1.02	1.26	-.28	.00	1.02	1.02	.00
	T2 =	503	BLEED	.02	-1.75	.99	-.34	-.97	.02	-.01
	ERI =	0	POWER	-.00	-1.47	.90	.03	.10	-.00	.00
1.50	NR =	.971	15600	31500	1.59	1113	96.1	346	2059	
	P2 =	11.70	RAM	1.04	.84	-.70	.00	1.04	1.04	.00
	T2 =	566	BLEED	.09	-1.38	1.41	-.26	-.88	.09	-.00
	ERI =	0	POWER	-.01	-.58	.59	.03	.11	-.01	-.00
1.80	NR =	.945	24900	34000	1.47	1206	127.8	460	2059	
	P2 =	17.82	RAM	1.06	.67	-.70	.00	1.06	1.06	.00
	T2 =	643	BLEED	.08	-1.62	1.66	-.27	-.89	.08	-.00
	ERI =	0	POWER	-.01	-.52	.53	.02	.08	-.01	.00
2.00	NR =	.925	33100	35400	1.41	1270	152.7	550	2059	
	P2 =	23.76	RAM	1.08	.69	-.72	.00	1.08	1.08	.00
	T2 =	702	BLEED	.05	-1.86	1.91	-.24	-.92	.05	.01
	ERI =	0	POWER	-.00	-.46	.47	.02	.07	-.00	-.00

CONFIDENTIAL

GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.60	1.28	4.41	22409	2849	1200	17400	14600	1.53	490	13.0
	RAM	1.01	.98	.01	.00	1.30	1.35	-.40	.01	.00
	BLEED	-1.34	-.78	-.02	.33	-1.37	-1.64	.88	.01	.00
	POWER	-3.87	.77	-.07	3.75	-1.12	-1.34	2.12	-.00	.00
.90	16.69	5.87	30350	3021	1190	24700	19300	1.57	491	13.0
	RAM	1.01	.98	-.02	-.01	1.23	1.29	-.33	.01	.00
	BLEED	-1.35	-.78	.01	.36	-1.29	-1.65	.89	.01	.00
	POWER	-2.80	.57	-.02	2.73	-.64	-.82	1.39	-.00	.00
1.20	2.41	7.81	40593	3082	1194	35100	25600	1.59	480	4.0
	RAM	1.02	.99	-.01	-.01	1.20	1.27	-.29	.01	-45.00
	BLEED	-1.33	-.78	-.01	.35	-1.22	-1.69	.93	.02	.00
	POWER	-2.06	.42	-.02	2.00	-.39	-.54	.96	-.00	.00
1.50	3.54	10.01	50000	2990	1207	47500	31900	1.57	454	4.0
	RAM	1.06	.17	-.58	-.35	.89	.82	-.68	.01	.00
	BLEED	-1.38	.00	.44	.71	-.87	-1.35	1.38	.09	.00
	POWER	-1.47	.00	-.24	1.29	-.38	-.57	.57	-.01	.00
1.80	5.43	12.93	50000	2523	1127	59300	34400	1.45	423	4.0
	RAM	1.09	.00	-.68	-.42	.83	.67	-.69	-.00	.00
	BLEED	-1.35	.00	.35	.63	-.89	-1.60	1.63	.08	.00
	POWER	-1.16	-.00	-.21	1.01	-.29	-.49	.49	-.01	.00
2.00	7.24	19.21	50000	2330	1093	69000	35900	1.39	396	4.0
	RAM	1.11	-.00	-.63	-.37	.88	.70	-.72	.00	.00
	BLEED	-1.43	.00	.34	.66	-.93	-1.84	1.89	.05	.00
	POWER	-.99	.00	-.20	.86	-.24	-.45	.46	-.00	-45.57

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	2810	12700	1.36	893	40.8	155	1841
	P2 =	4.19	RAM	1.01	1443	-.48	.00	1.01	1.01	.00
	T2 =	418	BLEED	.01	-1472	1.01	-.33	-.98	.01	.00
	ERI =	100	POWER	-.00	-1.09	2.04	.06	.21	-.00	.00
.90	NR =	1.00	1.00	5370	16800	1.41	966	54.2	198	1989
	P2 =	5.55	RAM	1.01	1433	-.36	.00	1.01	1.01	.00
	T2 =	453	BLEED	.01	-1471	.99	-.33	-.98	.01	.00
	ERI =	100	POWER	-.00	-.79	1.49	.04	.15	-.00	.00
1.20	NR =	.991	2.41	9470	22000	1.44	1038	72.9	262	2059
	P2 =	7.89	RAM	1.02	1.25	-.27	.00	1.02	1.02	.00
	T2 =	503	BLEED	.02	-1473	1.01	-.34	-.97	.02	-.01
	ERI =	0	POWER	-.00	-.457	1.08	.03	.10	-.00	.00
1.50	NR =	.971	3.56	15600	27800	1.46	1114	96.3	346	2059
	P2 =	11.70	RAM	1.04	1435	-.35	.00	1.04	1.04	.00
	T2 =	566	BLEED	.10	-1484	1.22	-.25	-.88	.10	-.00
	ERI =	0	POWER	-.01	-.39	.79	.03	.11	-.01	-.00
1.80	NR =	.945	5.43	24900	34000	1.47	1207	128.2	460	2059
	P2 =	17.82	RAM	1.06	.83	-.61	.00	1.06	1.06	.00
	T2 =	643	BLEED	.08	-1462	1.67	-.27	-.89	.08	-.00
	ERI =	0	POWER	-.01	-.452	.52	.02	.08	-.01	-.00
2.00	NR =	.925	7.24	33100	35500	1.41	1271	153.1	550	2059
	P2 =	23.76	RAM	1.08	169	-.71	.00	1.08	1.08	.00
	T2 =	702	BLEED	.05	-1.83	1.89	-.24	-.92	.05	-.00
	ERI =	0	POWER	-.00	-.443	.43	.02	.07	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.9. 3.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FN8	SFCB	W2K	BTANG
.60	1.28	4.47	17285	2365	1069	15700	12900	1.34	490	13.0
	RAM	1.01	.99	.01	.01	1.30	1.36	-.40	.01	.00
	BLEED	-1.32	-.75	-.02	.32	-1.37	-1.67	.95	.01	.00
	POWER	-3.78	.94	-.07	3.65	-1.09	-1.33	2.28	-.00	.00
.90	1.69	5.94	23682	2534	1066	22400	17000	1.39	491	13.0
	RAM	1.01	.99	-.01	+.01	1.23	1.30	-.33	.01	.00
	BLEED	-1.33	-.74	.02	.35	-1.27	-1.68	.96	.01	.00
	POWER	-2.74	.69	.02	2.69	-.60	-.78	1.48	-.00	.00
1.20	2.41	7.91	31765	2600	1073	31800	22400	1.42	480	13.0
	RAM	1.02	1.00	-.01	-.00	1.20	1.28	-.30	.01	.00
	BLEED	-1.32	-.74	.00	.34	-1.21	-1.74	1.02	.02	.00
	POWER	-2.03	.51	.01	1.98	-.36	-.52	1.03	-.00	.00
1.50	3.56	10.13	40691	2593	1103	43800	28100	1.45	454	4.0
	RAM	1.04	1.03	-.01	-.00	1.20	1.29	-.28	.01	.00
	BLEED	-1.35	-.65	.00	.45	-1.11	-1.79	1.17	.10	.00
	POWER	-1.46	.40	-.00	1.43	-.24	-.36	.76	-.01	.00
1.80	5.43	12.99	50000	2524	1122	59400	34400	1.45	423	4.0
	RAM	1.08	.24	-.51	-.32	.92	.82	-.61	-.00	.00
	BLEED	-1.34	.00	.35	.62	-.89	-1.60	1.64	.08	.00
	POWER	-1.15	.00	-.21	1.00	-.28	-.48	.49	-.01	.00
2.00	7.24	15.29	50000	2330	1088	69100	36000	1.39	396	4.0
	RAM	1.11	-.00	-.63	-.37	.88	.69	-.72	-.00	.00
	BLEED	-1.43	.00	.34	.66	-.93	-1.83	1.88	.05	.00
	POWER	-.99	.00	-.20	.86	-.24	-.45	.46	-.00	-45.49

CONFIDENTIAL

GENERAL ELECTRIC G84/J5G ESTIMATED PERFORMANCE

P.S.L. 4.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 36089 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	2810	10600	1.14	894	41.0	155	1841
	P2 =	4.19	RAM	1.01	1150	-.53	.00	1.01	1.01	.00
	T2 =	418	BLEED	.01	-1181	1.17	-.33	-.97	.01	.00
	ERI =	100	POWER	-.00	-1.00	2.26	.06	.21	-.00	.00
.90	NR =	1.00	1.69	5370	14200	1.19	967	54.4	198	1989
	P2 =	5.55	RAM	1.01	1141	-.43	.00	1.01	1.01	.00
	T2 =	453	BLEED	.01	-1.84	1.19	-.33	-.98	.01	-.01
	ERI =	100	POWER	-.00	-.69	1.61	.05	.14	-.00	.00
1.20	NR =	.991	2.41	9460	18600	1.23	1039	73.1	262	2059
	P2 =	7.89	RAM	1.02	1130	-.30	.00	1.02	1.02	.00
	T2 =	503	BLEED	.02	-1184	1.21	-.33	-.96	.02	-.01
	ERI =	0	POWER	-.00	-.51	1.19	.03	.10	-.00	.00
1.50	NR =	.971	3.56	15600	22900	1.27	1115	96.6	346	2059
	P2 =	11.70	RAM	1.04	1.27	-.24	.00	1.04	1.04	.00
	T2 =	566	BLEED	.10	-1.91	1.38	-.25	-.88	.10	-.00
	ERI =	0	POWER	-.01	-.44	.96	.03	.10	-.01	-.00
1.80	NR =	.945	5.43	24900	28300	1.30	1208	128.5	460	2059
	P2 =	17.82	RAM	1.06	1136	-.32	-.00	1.06	1.06	.00
	T2 =	643	BLEED	.08	-2.15	1.65	-.27	-.89	.08	-.00
	ERI =	0	POWER	-.01	-.28	.69	.02	.08	-.01	-.00
2.00	NR =	.925	7.24	33100	31800	1.33	1272	153.6	550	2059
	P2 =	23.76	RAM	1.08	1135	-.29	.00	1.08	1.08	.00
	T2 =	702	BLEED	.05	-2131	1.80	-.25	-.91	.05	-.00
	ERI =	0	POWER	-.00	-.25	.60	.02	.07	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTUBER 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FN8	SFC8	W2K	BTANG
.60	1.28	4.52	12131	1886	935	13900	11100	1.09	490	13.0
	RAM	1.01	1.01	.01	.01	1.29	1.36	-.38	.01	.00
	BLEED	-1.31	-.68	-.02	.31	-1.35	-1.69	1.04	.01	.00
	POWER	-3.69	1.26	-.04	3.60	-1.01	-1.27	2.54	-.00	.00
.90	1.69	6.01	16971	2040	937	19900	14500	1.17	491	13.0
	RAM	1.01	1.01	.00	.00	1.23	1.32	-.33	.01	.00
	BLEED	-1.33	-.68	-.01	.34	-1.28	-1.76	1.10	.01	.00
	POWER	-2.69	.90	.00	2.64	-.58	-.79	1.71	-.00	.00
1.20	2.41	8.00	22881	2111	947	28300	18800	1.22	480	13.0
	RAM	1.02	1.01	.00	.00	1.20	1.29	-.30	.01	.00
	BLEED	-1.31	-.67	-.01	.32	-1.21	-1.83	1.20	.02	.00
	POWER	-1.99	.67	.00	1.95	-.35	-.53	1.20	-.00	.00
1.50	3.56	10.25	29063	2111	974	38900	23300	1.25	454	13.0
	RAM	1.04	1.04	.00	.00	1.20	1.31	-.29	.01	.00
	BLEED	-1.35	-.57	-.00	.44	-1.11	-1.92	1.39	.10	.00
	POWER	-1.44	.52	.00	1.41	-.23	-.37	.89	-.01	.00
1.80	5.43	13.14	36796	2111	1007	53600	28700	1.28	422	4.0
	RAM	1.06	1.06	.00	.00	1.20	1.33	-.29	-.00	.00
	BLEED	-1.31	-.55	-.00	.39	-1.09	-2.11	1.61	.08	.00
	POWER	-1.13	.41	-.00	1.10	-.16	-.28	.70	-.01	.00
2.00	7.24	15.42	42318	2111	1023	65300	32200	1.31	396	4.0
	RAM	1.08	1.08	.00	.00	1.22	1.35	-.29	.00	.00
	BLEED	-1.38	-.56	-.00	.43	-1.11	-2.31	1.81	.05	.00
	POWER	-.99	.35	-.00	.96	-.12	-.25	.60	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 36089 FEET

M0		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	2810	10700	1.08	896	41.2	155	1841	
	P2 =	4.19	RAM	1.01	1.41	-.43	.00	1.01	1.01	.00
	T2 =	418	BLEED	.01	-1.72	1.09	-.34	-.97	.01	-.00
	ERI =	100	POWER	-.00	-1.20	2.52	.07	.21	-.00	.00
.90	NR =	1.00	5370	14000	1.16	969	54.7	198	1989	
	P2 =	5.55	RAM	1.01	1.31	-.33	.00	1.01	1.01	.00
	T2 =	453	BLEED	.01	-1.76	1.12	-.35	-.97	.01	-.01
	ERI =	100	POWER	-.00	-.82	1.77	.05	.14	-.00	.00
1.20	NR =	.991	9460	18300	1.20	1041	73.5	262	2059	
	P2 =	7.89	RAM	1.02	1.30	-.31	.00	1.02	1.02	.00
	T2 =	503	BLEED	.02	-1.85	1.25	-.33	-.96	.02	.00
	ERI =	0	POWER	-.00	-1.54	1.24	.03	.10	-.00	.00
1.50	NR =	.971	15600	22400	1.24	1117	97.0	346	2059	
	P2 =	11.70	RAM	1.04	1.27	-.25	.00	1.04	1.04	.00
	T2 =	566	BLEED	.10	-1.93	1.43	-.25	-.87	.10	-.00
	ERI =	0	POWER	-.01	-.44	.98	.02	.10	-.01	.00
1.80	NR =	.945	24900	27500	1.27	1209	129.1	460	2059	
	P2 =	17.82	RAM	1.06	1.37	-.33	.00	1.06	1.06	.00
	T2 =	643	BLEED	.09	-2.18	1.71	-.26	-.88	.09	-.00
	ERI =	0	POWER	-.01	-.28	.71	.02	.08	-.01	.00
2.00	NR =	.925	33100	30900	1.30	1274	154.3	549	2059	
	P2 =	23.76	RAM	1.08	1.35	-.29	.00	1.08	1.08	.00
	T2 =	702	BLEED	.06	-2.32	1.85	-.26	-.90	.06	-.00
	ERI =	0	POWER	-.00	-.25	.62	.02	.07	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 36089 FEET

MO	P2/RO	P8/P0	WFL	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.60	1.28	4.55	11588	1841	916	13700	10900	1.06	490	16.0
	RAM	1.01	1.01	.00	.00	1.28	1.35	-.37	.01	.00
	BLEED	-1.28	-.66	-.00	.29	-1.33	-1.67	1.04	.01	.00
	POWER	-3.67	1.31	.00	3.59	-.98	-1.23	2.55	-.00	.00
.90	1.69	6.05	16255	1989	918	19600	14200	1.14	491	16.0
	RAM	1.01	1.01	.00	.00	1.23	1.31	-.33	.01	.00
	BLEED	-1.28	-.66	-.01	.29	-1.27	-1.75	1.11	.01	.00
	POWER	-2.66	.94	.00	2.61	-.57	-.78	1.73	-.00	.00
1.20	2.41	8.06	21911	2059	927	27900	18500	1.19	480	13.0
	RAM	1.02	1.01	.00	.00	1.20	1.29	-.30	.01	.00
	BLEED	-1.29	-.63	.00	.31	-1.20	-1.83	1.23	.02	.00
	POWER	-1.98	.69	.00	1.94	-.35	-.53	1.22	-.00	.00
1.50	3.54	10.33	27770	2059	953	38400	22800	1.22	454	13.0
	RAM	1.04	1.04	.00	.00	1.20	1.31	-.29	.01	.00
	BLEED	-1.35	-.55	-.00	.44	-1.11	-1.93	1.43	.10	.00
	POWER	-1.44	.54	.00	1.40	-.22	-.37	.91	-.01	.00
1.80	5.43	13.24	35064	2059	986	52800	27900	1.25	422	4.0
	RAM	1.06	1.06	.00	.00	1.20	1.33	-.29	.00	.00
	BLEED	-1.30	-.53	-.00	.39	-1.08	-2.13	1.65	.09	.00
	POWER	-1.12	.42	.00	1.09	-.15	-.28	.71	-.01	.00
2.00	7.24	15.53	40248	2059	1002	64400	31400	1.28	395	4.0
	RAM	1.08	1.08	.00	.00	1.21	1.36	-.29	.00	.00
	BLEED	-1.34	-.54	-.00	.40	-1.10	-2.32	1.85	.06	.00
	POWER	-.98	.37	.00	.96	-.12	-.24	.61	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

MO		P2/P0	FD	RN	SFC	TE	PE	W2	TC
.60	NR =	1.00	2810	8440	1.02	875	37.9	155	1510
	P2 =	4.19	RAM 1.01	1151	-.55	-.00	1.01	1.01	-.00
	T2 =	418	BLEED .01	-1.17	1.56	-.20	-.68	.01	.65
	ERI =	100	POWER -.02	5.43	4.47	.60	2.61	-.02	5.53
.90	NR =	1.00	5250	10200	1.07	924	48.0	194	1562
	P2 =	5.55	RAM 1.01	1145	-.48	-.00	1.01	1.01	-.00
	T2 =	453	BLEED .01	-1.26	1.67	-.21	-.69	.01	.62
	ERI =	0	POWER -.04	4.55	3.42	.49	2.04	-.04	4.36
1.20	NR =	.991	9050	12800	1.13	990	63.2	250	1628
	P2 =	7.89	RAM 1.02	1144	-.46	.00	1.02	1.02	.00
	T2 =	503	BLEED .04	-1.33	1.83	-.18	-.65	.04	.63
	ERI =	0	POWER -.09	3.73	2.45	.36	1.50	-.09	3.32
1.50	NR =	.971	15700	19000	1.20	1104	92.6	347	1822
	P2 =	11.70	RAM 1.04	1131	-.29	.00	1.04	1.04	.00
	T2 =	566	BLEED .05	-1.29	1.80	-.19	-.64	.05	.62
	ERI =	0	POWER -.06	2.53	1.67	.24	1.00	-.06	2.21
1.80	NR =	.945	25000	24700	1.25	1201	125.5	461	1913
	P2 =	17.82	RAM 1.06	1141	-.38	-.00	1.06	1.06	.00
	T2 =	643	BLEED .06	-1.55	1.98	-.21	-.68	.06	.54
	ERI =	0	POWER -.05	1.86	1.04	.16	.64	-.05	1.45
2.00	NR =	.925	33100	28500	1.29	1268	151.2	550	1955
	P2 =	23.76	RAM 1.08	1138	-.32	-.00	1.08	1.08	-.00
	T2 =	702	BLEED .04	-1.62	2.10	-.19	-.69	.04	.55
	ERI =	0	POWER -.02	1.61	.83	.12	.54	-.02	1.18

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GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

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OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFC8	W2K	BTANG
.60	11.28	3.56	8597	1510	1045	11500	8640	.99	490	16.0
	RAM	1.01	1.01	-.00	.00	1.35	1.45	-.48	.01	.00
	BLEED	-.63	.37	.65	+.00	-.85	-1.13	1.53	.01	.00
	POWER	3.00	10.02	5.53	.02	3.97	5.27	4.63	-.02	.00
.90	11.69	4.52	10945	1562	1045	15600	10400	1.06	480	16.0
	RAM	1.01	1.01	-.00	.00	1.28	1.42	-.44	.01	.00
	BLEED	-.64	.38	.62	+.01	-.82	-1.24	1.65	.01	.00
	POWER	2.39	8.06	4.36	+.01	2.99	4.52	3.44	-.04	.00
1.20	2.41	5.97	14439	1628	1045	22100	13000	1.11	459	13.0
	RAM	1.02	1.01	.00	.00	1.24	1.39	-.41	.01	.00
	BLEED	-.62	.46	.63	.01	-.75	-1.30	1.79	.04	.00
	POWER	1.75	6.26	3.32	.00	2.12	3.66	2.52	-.09	.00
1.50	3.56	8.79	22833	1822	1045	35000	19400	1.18	456	13.0
	RAM	1.04	1.04	.00	.00	1.22	1.36	-.34	.01	.00
	BLEED	-.60	.48	.62	+.01	-.70	-1.31	1.82	.05	.00
	POWER	1.21	4.25	2.21	+.04	1.39	2.56	1.63	-.06	.00
1.80	5.43	11.97	31013	1913	1045	50100	25100	1.23	423	4.0
	RAM	1.06	1.06	.00	+.00	1.21	1.36	-.32	-.00	.00
	BLEED	-.63	.39	.54	+.01	-.73	-1.50	1.94	.06	.00
	POWER	.78	2.93	1.45	-.01	.89	1.82	1.07	-.05	.00
2.00	7.24	14.45	36797	1955	1045	62100	28900	1.27	396	4.0
	RAM	1.08	1.08	-.00	.00	1.22	1.38	-.32	.00	.00
	BLEED	-.64	.43	.55	+.01	-.73	-1.61	2.09	.04	.00
	POWER	.65	2.47	1.18	+.01	.73	1.60	.84	-.02	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	2720	7320	.99	846	35.2	151	1377
	P2 =	4.19	RAM	1.01	1455	-.59	-.00	1.01	1.01	-.00
	T2 =	418	BLEED	.01	-1.17	1.70	-.16	-.65	.01	.71
	ERI =	0	POWER	-.05	6.31	4.91	.70	2.89	-.05	6.20
.90	NR =	1.00	1.69	5030	8620	1.06	895	44.1	186	1429
	P2 =	5.55	RAM	1.01	1454	-.54	.00	1.02	1.01	.03
	T2 =	453	BLEED	.03	-1.30	1.82	-.17	-.65	.03	.65
	ERI =	0	POWER	-.09	5.02	3.65	.46	2.13	-.09	4.63
1.20	NR =	.991	2.41	8520	10400	1.12	956	56.8	236	1477
	P2 =	7.89	RAM	1.02	1450	-.53	.00	1.02	1.02	.00
	T2 =	503	BLEED	.04	-1.44	2.00	-.18	-.65	.04	.63
	ERI =	0	POWER	-.11	4.68	2.70	.40	1.72	-.11	3.86

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	WZK	BTANG
.60	1.28	3.21	7257	1377	1067	10200	7470	.97	475	16.0
	RAM	1.01	1.00	-.00	.00	1.38	1.51	-.55	.01	.00
	BLEED	-.62	.50	.71	.02	-.84	-1.15	1.68	.01	.00
	POWER	3.27	11.35	6.20	.06	4.47	6.12	5.10	-.05	.00
.90	1.69	4.03	9126	1429	1067	13800	8770	1.04	460	16.0
	RAM	1.05	1.04	.03	+.02	1.33	1.52	-.51	.01	.00
	BLEED	-.65	.48	.65	.04	-.81	-1.29	1.81	.03	.00
	POWER	2.33	8.77	4.83	.11	3.10	4.94	3.72	-.09	.00
1.20	2.41	5.21	11633	1477	1068	19100	10600	1.10	432	13.0
	RAM	1.02	1.01	.00	.00	1.26	1.46	-.48	.01	-4.62
	BLEED	-.61	.52	.63	+.00	-.76	-1.40	1.96	.04	.00
	POWER	2.04	7.48	3.86	-.03	2.49	4.58	2.80	-.11	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 8.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	2710	7170	.99	843	34.8	150	1362
	P2 =	4.19	RAM	1.01	1.56	-.60	-.00	1.01	1.01	-.00
	T2 =	418	BLEED	.01	-1.11	1.74	-.14	-.63	.01	.77
	ERI =	0	POWER	-.05	6.36	4.93	.63	2.89	-.05	6.20
.90	NR =	1.00	1.69	5000	8440	1.06	892	43.6	185	1414
	P2 =	5.55	RAM	1.01	1.53	-.55	.00	1.02	1.01	.02
	T2 =	453	BLEED	.03	-1.33	1.84	-.17	-.66	.03	.64
	ERI =	0	POWER	-.10	5.10	3.66	.45	2.14	-.10	4.67
1.20	NR =	.991	2.41	8410	9080	1.09	956	56.4	233	1352
	P2 =	7.89	RAM	1.02	1.48	-.52	.00	1.02	1.02	.00
	T2 =	503	BLEED	.06	-1.53	2.15	-.21	-.64	.06	.59
	ERI =	0	POWER	-.14	5.04	2.93	.44	1.79	-.14	4.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 8.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FN8	SFCB	W2K	BTANG
.60	1.28	3.16	7092	1362	1070	10000	7320	.97	473	16.0
	RAM	1.01	1.00	-.00	.00	1.38	1.52	-.56	.01	.00
	BLEED	-.55	.60	.77	-.02	-.78	-1.08	1.71	.01	.00
	POWER	3.35	11.43	6.20	-.01	4.52	6.21	5.08	-.05	.00
.90	1.69	3.98	8926	1414	1069	13600	8590	1.04	457	16.0
	RAM	1.03	1.03	.02	-.01	1.33	1.51	-.52	.01	.00
	BLEED	-.66	.47	.64	.04	-.82	-1.32	1.82	.03	.00
	POWER	2.34	8.86	4.67	.12	3.13	5.01	3.75	-.10	.00
1.20	2.41	4.89	9913	1352	1070	17700	9280	1.07	427	16.0
	RAM	1.02	1.00	.00	.00	1.27	1.50	-.54	.01	.00
	BLEED	-.61	.57	.59	-.00	-.77	-1.52	2.15	.06	.00
	POWER	2.01	8.07	4.00	.03	2.53	4.95	3.01	-.14	-25.89

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

36089 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	2560	5460	.95	817	31.9	142	1152
	P2 =	4.19	RAM	1.01	1466	-.82	-.01	.99	1.01	-.06
	T2 =	418	BLEED	.04	-1429	2.03	-.18	-.62	.04	.71
	ERI =	0	POWER	-.23	8.05	6.16	.80	3.29	-.23	7.36
.90	NR =	1.00	1.69	4620	5860	1.03	858	38.5	170	1165
	P2 =	5.55	RAM	1.01	1468	-.74	.00	1.01	1.01	.00
	T2 =	453	BLEED	.04	-1.54	2.27	-.19	-.64	.04	.65
	ERI =	0	POWER	-.20	7.79	4.73	.70	2.79	-.20	6.25
1.20	NR =	.991	2.41	7350	5750	1.13	899	45.5	203	1146
	P2 =	7.89	RAM	1.02	1471	-.78	.00	1.02	1.02	.00
	T2 =	503	BLEED	.03	-2.00	2.77	-.21	-.69	.03	.58
	ERI =	0	POWER	-.09	8.70	3.44	.57	2.57	-.09	5.56
1.50	NR =	.971	3.56	15700	17500	1.19	1099	90.5	348	1723
	P2 =	11.70	RAM	1.04	1.35	-.33	.00	1.04	1.04	.00
	T2 =	566	BLEED	.04	-1.32	1.95	-.17	-.63	.04	.68
	ERI =	0	POWER	-.04	2.52	1.58	.19	.97	-.04	2.09
1.80	NR =	.945	5.43	25000	22700	1.24	1195	122.7	461	1807
	P2 =	17.82	RAM	1.06	1.43	-.38	.00	1.06	1.06	.01
	T2 =	643	BLEED	.04	-1159	2.13	-.19	-.67	.04	.58
	ERI =	0	POWER	-.03	2.03	1.06	.15	.71	-.03	1.52
2.00	NR =	.925	7.24	33100	26100	1.28	1262	147.9	550	1849
	P2 =	23.76	RAM	1.08	1.41	-.35	-.00	1.08	1.08	-.00
	T2 =	702	BLEED	.03	-1457	2.28	-.19	-.66	.03	.65
	ERI =	0	POWER	-.03	1.87	.87	.13	.60	-.03	1.31

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.60	1.28	2.69	5177	1152	1095	8130	5570	.93	447	16.0
	RAM	.93	.91	-.06	.00	1.39	1.56	-.71	.01	.00
	BLEED	-.56	.70	.71	.02	-.84	-1.24	1.98	.04	.00
	POWER	3.61	14.40	7.36	+.08	5.24	7.76	6.45	-.23	.00
.90	1.69	3.22	6028	1165	1095	10600	5940	1.01	422	16.0
	RAM	1.01	1.00	.00	+.00	1.38	1.66	-.72	.01	.00
	BLEED	-.61	.68	.65	+.00	-.84	-1.52	2.25	.04	.00
	POWER	3.13	12.70	6.25	.03	4.24	7.69	4.84	-.20	.00
1.20	2.41	3.81	6497	1146	1095	13200	5850	1.11	373	16.0
	RAM	1.02	1.00	.00	.00	1.33	1.72	-.79	.01	.00
	BLEED	-.65	.68	.58	+.01	-.87	-1.99	2.76	.03	.00
	POWER	3.13	12.31	5.56	+.22	3.82	8.74	3.41	-.09	.00
1.50	3.56	8.12	20832	1723	1095	33500	17800	1.17	456	13.0
	RAM	1.04	1.04	.00	+.00	1.22	1.39	-.37	.01	.00
	BLEED	-.59	.60	.68	.00	-.69	-1.33	1.96	.04	.00
	POWER	1.14	4.15	2.09	-.02	1.33	2.54	1.56	-.04	.00
1.80	5.43	11.06	28166	1807	1094	48000	23000	1.22	424	4.0
	RAM	1.08	1.08	.01	+.01	1.22	1.41	-.35	-.00	.00
	BLEED	-.67	.49	.58	.04	-.73	-1.57	2.11	.04	.00
	POWER	.79	3.13	1.52	.02	.94	2.00	1.09	-.03	.00
2.00	7.24	13.35	33358	1849	1095	59600	26400	1.26	396	4.0
	RAM	1.08	1.08	-.00	.00	1.22	1.40	-.35	.00	.00
	BLEED	-.56	.65	.65	+.04	-.68	-1.56	2.27	.03	.00
	POWER	.70	2.78	1.31	.01	.81	1.86	.88	-.03	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.10.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 36089 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	2310	3810	.99	776	27.0	128	1015
	P2 =	4.19	RAM	1.01	1495	-1.15	-.00	.99	1.01	-.05
	T2 =	418	BLEED	.04	-1.72	2.44	-.20	-.66	.04	.61
	ERI =	0	POWER	-.18	11183	6.89	.92	4.14	-.18	8.97
.90	NR =	1.00	1.69	3970	3440	1.13	803	30.6	146	989
	P2 =	5.55	RAM	1.01	2.00	-1.22	-.00	.99	1.01	-.05
	T2 =	453	BLEED	.02	-2.25	3.04	-.21	-.70	.02	.55
	ERI =	0	POWER	-.10	13.35	5.13	.86	3.85	-.10	8.12
1.20	NR =	.991	2.41	6130	2700	1.37	837	34.5	170	943
	P2 =	7.89	RAM	1.02	2.26	-1.55	-.00	1.00	1.02	-.05
	T2 =	503	BLEED	.01	-2.96	4.33	-.16	-.66	.01	.66
	ERI =	0	POWER	-.04	15.26	2.28	.52	3.13	-.04	6.41

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 10.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

36089 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.60	1.28	2.23	3781	1015	1120	6240	3930	.96	402	16.0
	RAM	.94	.91	-.05	.01	1.51	1.80	-.98	.01	.00
	BLEED	-.64	.66	.61	.03	-1.00	-1.62	2.33	.04	.00
	POWER	4.36	18.97	8.97	.02	6.93	11.09	7.61	-.18	.00
.90	1.69	2.51	3888	989	1120	7500	3530	1.10	362	16.0
	RAM	.94	.90	-.05	.00	1.43	1.91	-1.11	.01	.00
	BLEED	-.67	.69	.55	.02	-1.01	-2.17	2.96	.02	.00
	POWER	3.89	18.71	8.12	.11	6.00	12.86	5.60	-.10	.00
1.20	2.41	2.81	3698	943	1120	8910	2780	1.33	311	16.0
	RAM	.93	.89	-.05	.01	1.38	2.17	-1.44	.01	.00
	BLEED	-.58	1.18	.66	-.03	-.88	-2.86	4.22	.01	.00
	POWER	3.04	17.67	6.41	.13	4.57	14.75	2.77	-.04	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 36089 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.60	NR =	1.00	1930	1410	1.48	719	20.3	107	811
	P2 =	4.19	RAM	2.38	-2.16	-.02	.92	1.01	-.25
	T2 =	418	BLEED	-247	4.03	-.14	-.60	.01	.80
	ERI =	0	POWER	23143	4.32	.83	5.16	-.07	10.36
.90	NR =	1.00	3260	660	2.83	742	22.2	120	766
	P2 =	5.55	RAM	4.48	-5.16	-.01	.93	1.01	-.21
	T2 =	453	BLEED	-6174	9.28	-.17	-.65	.01	.68
	ERI =	0	POWER	54.27	-19.84	.86	5.01	-.07	9.98
1.20	NR =	.991	5120	-170	-9.235	778	25.4	142	723
	P2 =	7.89	RAM	-17.68	9.73	-.01	.98	1.02	-.11
	T2 =	503	BLEED	35105	-21.63	-.18	-.70	.01	.55
	ERI =	0	POWER	-229144	694.18	.82	4.86	-.08	9.66
1.50	NR =	.971	15700	13700	1.21	1087	85.8	348	1501
	P2 =	11.70	RAM	1.43	-.42	.00	1.04	1.04	.00
	T2 =	566	BLEED	-1.31	2.38	-.10	-.57	.03	.84
	ERI =	0	POWER	2.92	1.61	.20	.99	-.03	2.14
1.80	NR =	.945	25100	17600	1.25	1181	116.1	462	1571
	P2 =	17.82	RAM	1.55	-.52	.00	1.06	1.06	.01
	T2 =	643	BLEED	-1.54	2.68	-.12	-.58	.03	.81
	ERI =	0	POWER	2.62	1.05	.16	.77	-.03	1.66
2.00	NR =	.925	33200	20000	1.30	1248	140.0	551	1612
	P2 =	23.76	RAM	1.49	-.44	.00	1.08	1.08	.00
	T2 =	702	BLEED	-1.57	2.85	-.11	-.56	.03	.84
	ERI =	0	POWER	2.11	.81	.08	.59	-.02	1.25

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 11.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

MO	P2/PO	P8/PO	WFT.	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.60	1.28	1.57	2090	811	1258	3560	1630	1.28	337	13.0
	RAM	.61	.48	-.25	-.02	1.52	2.12	-1.83	.02	.00
	BLEED	-.39	1.41	.80	.00	-.99	-2.16	3.69	.01	.00
	POWER	4.00	27.98	10.36	-.47	9.45	20.70	6.96	-.07	.00
.90	1.69	1.67	1872	766	1257	4150	890	2.11	298	13.0
	RAM	.67	.47	-.21	+.00	1.51	3.35	-3.45	.02	.00
	BLEED	-.47	1.60	.68	-.00	-1.06	-5.02	7.16	.01	.00
	POWER	3.85	31.88	9.98	-.01	8.55	40.33	-7.71	-.07	.00
1.20	2.41	1.85	1551	723	1258	5160	40	37.39	260	13.0
	RAM	.81	.66	-.11	-.01	1.56	68.52	27.97	.01	.00
	BLEED	-.59	2.05	.55	-.00	-1.14	-143.68	-126.15	.01	.00
	POWER	4.48	40.84	9.66	-.32	8.20	1029.63	-264.36	-.08	86.71
1.50	3.56	6.53	16500	1501	1258	29900	14100	1.17	457	13.0
	RAM	1.04	1.04	.00	.00	1.25	1.49	-.48	.01	.00
	BLEED	-.47	1.02	.84	-.04	-.61	-1.32	2.39	.03	.00
	POWER	1.15	4.60	2.14	-.00	1.38	2.95	1.59	-.03	.00
1.80	5.43	8.87	21972	1571	1257	43000	17900	1.22	425	4.0
	RAM	1.07	1.07	.01	-.01	1.24	1.49	-.46	-.00	.00
	BLEED	-.51	1.08	.81	-.01	-.61	-1.50	2.63	.03	.00
	POWER	.89	3.71	1.66	-.00	1.04	2.54	1.12	-.03	.00
2.00	7.24	10.72	25892	1612	1257	53600	20400	1.27	397	4.0
	RAM	1.08	1.08	.00	-.00	1.24	1.50	-.46	-.00	.00
	BLEED	-.47	1.21	.84	-.04	-.58	-1.56	2.84	.03	.00
	POWER	.70	2.96	1.25	+.03	.79	2.10	.82	-.02	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.13.8

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

MO		P2/PO	FD	FN	WFT	TE	PE	W2
.60	NR =	1.00	1450	80	1200	646	13.4	80
	P2 =	4.19	RAM 1.28	13.73	.00	.05	1.10	1.28
	T2 =	418	BLEED -1.26	48.30	.00	-.57	-2.08	-1.26
	ERI =	100	POWER -30.74	-446.00	.00	-8.71	-29.08	-30.74
.90	NR =	1.00	2790	-420	1200	694	17.1	103
	P2 =	5.55	RAM 1.04	-2.40	.00	-.02	.91	1.04
	T2 =	453	BLEED -.74	12.52	.00	-.45	-1.68	-.74
	ERI =	100	POWER -17.98	63.27	.00	-5.27	-17.85	-17.98
1.20	NR =	.991	4860	-950	1200	755	22.4	135
	P2 =	7.89	RAM .94	-1.14	.00	-.04	.83	.94
	T2 =	503	BLEED -.56	8.40	.00	-.38	-1.55	-.56
	ERI =	100	POWER -10.71	25.74	.00	-3.34	-11.01	-10.71

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.13.8

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 36089 FEET

MO	P2/P0	TC	P8/P0	T8	PCN	FGB	FNB	W2K	BTANG
.60	1.28	715	1.20	715	67.7	1630	180	252	13.0
	RAM	-.54	.32	-.54	.11	1.87	6.57	.30	.00
	BLEED	.60	-.61	.60	-.50	-3.54	-21.81	-1.26	.00
	POWER	7.68	-8.92	7.68	-11.84	-50.46	-208.55	-30.74	.00
.90	1.69	685	1.32	685	70.7	2500	-290	254	13.0
	RAM	-.36	.42	-.36	.01	1.60	-3.81	.05	.00
	BLEED	.23	-.80	.23	-.30	-2.98	18.83	-.74	.00
	POWER	2.03	-8.34	2.03	-7.04	-31.29	98.18	-17.98	.00
1.20	2.41	681	1.55	681	73.5	4050	-810	247	13.0
	RAM	-.25	.55	-.25	-.03	1.41	-1.39	-.07	.00
	BLEED	.04	-1.06	.04	-.21	-2.67	9.91	-.56	.00
	POWER	-.33	-7.66	-.33	-3.94	-19.04	30.75	-10.71	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.16.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

MO		P2/P0	FD	FN	WFT	TE	PE	W2
.60	NR = 1.00	1.28	1450	80	1200	646	13.4	80
	P2 = 4.19	RAM 1.26		14.44	.00	.04	1.08	1.26
	T2 = 418	BLEED -1.18		-50.89	.00	-.55	-2.01	-1.18
	ERI = 100	POWER -30.53		-455.44	.00	-8.65	-28.91	-30.53
.90	NR = 1.00	1.69	1440	-940	200	542	7.3	53
	P2 = 5.55	RAM 2.64		1.68	.00	.51	2.33	2.64
	T2 = 453	BLEED -.84		.38	.00	-.59	-1.72	-.84
	ERI = 111	POWER -67.89		-20.88	.00	-23.66	-66.94	-67.89
1.20	NR = .991	2.41	3810	-1780	311	689	15.5	105
	P2 = 7.89	RAM 1.64		.01	1.76	.25	1.76	1.64
	T2 = 503	BLEED -.88		2.52	-2.16	-.63	-2.16	-.88
	ERI = 100	POWER -22.13		5.84	-26.18	-8.30	-26.18	-22.13

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GENERAL ELECTRIC GE4/J56 ESTIMATED PERFORMANCE

P.S.16.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

MO	P2/P0	TC	P8/P0	T8	PCN	FG8	FNB	W2K	BTANG
.60	1.28	715	1.20	715	67.8	1630	180	252	13.0
	RAM	-.54	.33	-.54	.10	1.88	6.85	.28	.00
	BLEED	.57	-.64	.57	-.47	-3.58	-22.85	-1.18	.00
	POWER	7.59	-9.05	7.59	-11.77	-50.64	-212.15	-30.53	.00
.90	1.69	520	1.06	520	52.0	530	-900	131	13.0
	RAM	-.40	.26	-.40	1.16	4.47	1.56	1.73	.00
	BLEED	.08	-.17	.08	-.59	-3.17	.54	-.84	.00
	POWER	-1.15	-10.93	-1.15	-43.74	-156.83	-15.29	-67.89	.00
1.20	2.41	558	1.27	558	66.9	2150	-1660	193	13.0
	RAM	.02	.69	.02	.24	3.01	-.12	.67	.00
	BLEED	-.37	-.86	-.37	-.32	-3.77	2.86	-.88	.00
	POWER	-5.34	-10.39	-5.34	-7.95	-45.51	8.13	-22.13	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	2800	15500	1.82	979	40.4	148	2021
	P2 =	4.19	RAM	1.01	1335	-.41	.00	1.01	1.01	.00
	T2 =	461	BLEED	.01	-1364	.87	-.33	-.98	.01	.01
	ERI =	100	POWER	-.00	-1143	2.09	.06	.19	-.00	.00
.90	NR =	1.00	1.89	5250	19000	1.85	1032	51.0	185	2059
	P2 =	5.55	RAM	1.01	1328	-.33	.00	1.01	1.01	.00
	T2 =	500	BLEED	.02	-1364	.87	-.34	-.97	.02	.00
	ERI =	0	POWER	-.00	-1112	1.65	.04	.15	-.00	.00
1.20	NR =	.991	2.41	9040	24000	1.85	1098	65.9	238	2059
	P2 =	7.90	RAM	1.02	1338	-.42	-.00	1.02	1.02	.00
	T2 =	554	BLEED	.08	-1377	1.05	-.26	-.91	.08	-.01
	ERI =	0	POWER	-.01	-1159	1.00	.04	.14	-.01	-.01
1.50	NR =	.971	3.57	14800	28600	1.75	1182	86.4	312	2059
	P2 =	11.70	RAM	1.04	1377	-.80	.00	1.04	1.04	.00
	T2 =	624	BLEED	.09	-1342	1.45	-.27	-.89	.09	-.01
	ERI =	0	POWER	-.01	-1368	.69	.03	.12	-.01	.00
2.00	NR =	.925	7.25	30700	31500	1.59	1345	134.5	486	2059
	P2 =	23.79	RAM	1.08	1368	-.71	.00	1.08	1.08	.00
	T2 =	774	BLEED	.03	-1394	2.00	-.25	-.94	.03	.00
	ERI =	0	POWER	-.00	-1357	.58	.02	.09	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.60	1.28	4.37	28220	3439	1288	18500	15700	1.80	489	13.0
	RAM	1.01	.97	.01	.00	1.30	1.35	-.41	.01	.00
	BLEED	-1.35	-.80	-.04	.35	-1.39	-1.64	.86	.01	.00
	POWER	-3.76	.64	-.19	3.63	-1.17	-1.37	2.03	-.00	.00
.90	1.69	5.45	35193	3485	1298	24600	19400	1.82	480	13.0
	RAM	1.01	.98	-.01	-.01	1.25	1.32	-.36	.01	.00
	BLEED	-1.32	-.80	-.01	.35	-1.29	-1.65	.88	.02	.00
	POWER	-2.97	.51	-.08	2.91	-.75	-.95	1.48	-.00	.00
1.20	2.41	6.85	44420	3476	1330	33400	24400	1.82	459	4.0
	RAM	1.02	.99	-.01	-.01	1.22	1.30	-.33	.01	.00
	BLEED	-1.41	-.75	-.03	.47	-1.22	1.70	.98	.08	.00
	POWER	-2.23	.41	-.09	2.16	-.51	-.69	1.10	-.01	.00
1.50	3.57	8.69	50000	3225	1307	43700	28900	1.73	430	4.0
	RAM	1.07	-.00	-.64	-.42	.86	.77	-.81	.01	.00
	BLEED	-1.38	.00	.40	.71	-.91	-1.43	1.46	.09	.00
	POWER	-1.71	.00	-.33	1.50	.49	-.74	.75	-.01	.00
2.00	7.25	13.05	50000	2532	1177	62700	32000	1.56	367	4.0
	RAM	1.11	.00	-.63	-.39	.88	.69	-.72	-.00	.00
	BLEED	-1.42	-.00	.32	.64	-.97	-1.93	1.98	.03	.00
	POWER	-1.14	.00	-.22	1.00	-.28	-.55	.55	-.00	.00

CONFIDENTIAL

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GENERAL ELECTRIC GE4/15G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	2800	10700	1.15	984	41.0	148	2021
	P2 =	4.19	RAM	1.01	1441	-.43	.00	1.01	1.01	.00
	T2 =	461	BLEED	.01	-1474	1.10	-.33	-.97	.01	-.01
	ERI =	100	POWER	-.00	-1.16	2.41	.06	.19	-.00	-.00
.90	NR =	1.00	1.69	5250	12800	1.21	1037	51.7	185	2059
	P2 =	5.55	RAM	1.01	1433	-.35	.00	1.01	1.01	-.00
	T2 =	500	BLEED	.02	-1479	1.17	-.33	-.96	.02	-.01
	ERI =	0	POWER	-.00	-.84	1.84	.04	.15	-.00	.00
1.20	NR =	.991	2.41	9030	15600	1.24	1102	66.8	238	2059
	P2 =	7.90	RAM	1.02	1436	-.38	-.00	1.02	1.02	.00
	T2 =	554	BLEED	.09	-1.87	1.36	-.25	-.88	.09	.01
	ERI =	0	POWER	-.01	-.52	1.30	.03	.13	-.01	.00
1.50	NR =	.971	3.57	14800	18800	1.28	1187	87.6	312	2059
	P2 =	11.70	RAM	1.04	1430	-.29	.00	1.04	1.04	.00
	T2 =	624	BLEED	.09	-2104	1.57	-.26	-.87	.09	-.00
	ERI =	0	POWER	-.01	-.54	1.16	.03	.12	-.01	.00
2.00	NR =	.925	7.25	30700	24700	1.37	1350	136.4	486	2059
	P2 =	23.79	RAM	1.08	1.44	-.38	.00	1.08	1.08	.00
	T2 =	774	BLEED	.03	-2.65	2.18	-.24	-.93	.03	-.01
	ERI =	0	POWER	-.00	-.31	.76	.02	.08	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

MO	P2/PO	RB/PO	WFI	T8	A8	FG8	FNB	SFC8	W2K	BTANG
.60	1.28	4.55	12368	2021	917	13700	10700	1.13	489	16.0
	RAM	1.01	1.01	.00	.00	1.28	1.35	-.37	.01	.00
	BLEED	-1.32	-.67	-.01	.32	-1.34	-1.69	1.05	.01	.00
	POWER	-3.53	1.24	-.00	3.46	-.94	-1.18	2.44	-.00	.00
.90	1.69	5.69	15503	2059	926	18300	13100	1.19	479	16.0
	RAM	1.01	1.01	-.00	.00	1.24	1.33	-.35	.01	.00
	BLEED	-1.30	-.65	-.01	.32	-1.27	-1.79	1.18	.02	.00
	POWER	-2.80	.99	.00	2.75	-.63	-.88	1.88	-.00	.00
1.20	2.41	7.15	19288	2059	948	24800	15800	1.22	458	13.0
	RAM	1.02	1.01	.00	.00	1.22	1.33	-.34	.01	.00
	BLEED	-1.35	-.54	.01	.44	-1.17	-1.89	1.38	.09	.00
	POWER	-2.12	.78	.00	2.07	-.41	-.64	1.43	-.01	.00
1.50	3.57	9.05	24101	2059	979	33900	19100	1.26	430	13.0
	RAM	1.04	1.04	.00	.00	1.21	1.35	-.33	.01	.00
	BLEED	-1.31	-.53	-.00	.40	-1.12	-2.06	1.58	.09	.00
	POWER	-1.60	.61	.00	1.56	-.27	-.47	1.09	-.01	.00
2.00	7.25	13.45	33819	2059	1021	55800	25100	1.35	366	4.0
	RAM	1.08	1.08	.00	.00	1.23	1.40	-.34	-.00	.00
	BLEED	-1.39	-.55	-.01	.42	-1.15	-2.60	2.13	.03	.00
	POWER	-1.11	.44	.00	1.09	-.14	-.32	.76	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.60	NR =	1.00	2720	7620	1.06	933	35.5	143	1570
	P2 =	4.19	1.01	1.59	-.58	.00	1.03	1.01	.04
	T2 =	461	.02	-1.28	1.62	-.21	-.70	.02	.57
	ERI =	0	-.05	5.88	4.68	.65	2.72	-.05	5.75
.90	NR =	1.00	5020	9010	1.13	986	44.5	177	1624
	P2 =	5.55	1.01	1.49	-.52	-.00	1.01	1.01	-.00
	T2 =	500	.03	-1.16	1.79	-.16	-.62	.03	.73
	ERI =	0	-.12	5.14	3.63	.52	2.15	-.12	4.75
1.20	NR =	.991	8570	11200	1.19	1057	58.0	226	1694
	P2 =	7.90	1.02	1.47	-.49	-.00	1.02	1.02	-.00
	T2 =	554	.05	-1.36	1.93	-.18	-.64	.05	.65
	ERI =	0	-.13	4.39	2.65	.40	1.63	-.13	3.73

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.60	1.28	3.35	8103	1570	1044	10500	7830	1.03	474	16.0
	RAM	1.06	1.06	.04	-.03	1.40	1.54	-.51	.01	.00
	BLEED	-.70	.30	.57	.03	-.92	-1.24	1.57	.02	.00
	POWER	3.02	10.68	5.75	.11	4.14	5.60	4.96	-.05	.00
.90	1.69	4.20	10182	1624	1045	14200	9190	1.11	459	16.0
	RAM	1.01	1.01	-.00	-.00	1.30	1.46	-.48	.01	.00
	BLEED	-.52	.60	.73	-.04	-.72	-1.13	1.76	.03	.00
	POWER	2.55	8.88	4.75	-.04	3.21	5.03	3.74	-.12	.00
1.20	2.41	5.49	13310	1694	1045	19900	11400	1.17	434	13.0
	RAM	1.02	1.01	-.00	.00	1.26	1.43	-.45	.01	-4.62
	BLEED	-.60	.54	.65	.01	-.73	-1.32	1.89	.05	.00
	POWER	1.92	7.13	3.73	.02	2.38	4.26	2.77	-.13	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.9

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	2600	6460	1.05	905	32.6	137	1437
	P2 =	4.19	RAM	1.01	1.55	-.71	-.01	.98	1.01	-.08
	T2 =	461	BLEED	.03	-1.20	1.78	-.17	-.63	.03	.70
	ERI =	0	POWER	-.12	6.74	5.11	.60	2.93	-.12	6.39
.90	NR =	1.00	1.69	4740	7350	1.12	954	40.1	167	1477
	P2 =	5.55	RAM	1.01	1.56	-.61	-.00	1.01	1.01	-.00
	T2 =	500	BLEED	.04	-1.38	1.91	-.18	-.65	.04	.63
	ERI =	0	POWER	-.14	6.39	4.00	.54	2.46	-.14	5.50
1.20	NR =	.991	2.41	7660	7820	1.20	1003	48.4	202	1470
	P2 =	7.90	RAM	1.02	1.59	-.62	.00	1.02	1.02	.00
	T2 =	554	BLEED	.03	-1.72	2.23	-.20	-.69	.03	.55
	ERI =	0	POWER	-.09	6.24	3.02	.47	2.12	-.09	4.60

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GENERAL ELECTRIC GF4/J15G ESTIMATED PERFORMANCE

P.S. 7.9

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.60	1.28	2.98	6762	1437	1068	9220	6620	1.02	454	16.0
	RAM	.91	.89	-.08	.01	1.33	1.45	-.61	.01	.00
	BLEED	-.57	.55	.70	.02	-.81	-1.15	1.72	.03	.00
	POWER	3.43	11.99	6.39	-.12	4.67	6.55	5.30	-.12	.00
.90	1.69	3.68	8262	1477	1068	12200	7510	1.10	433	16.0
	RAM	1.01	1.00	-.00	.00	1.33	1.54	-.58	.01	.00
	BLEED	-.61	.50	.63	.00	-.81	-1.35	1.89	.04	.00
	POWER	3.02	10.53	5.50	-.12	3.81	6.30	4.09	-.14	.00
1.20	2.41	4.44	9390	1470	1068	15600	7980	1.18	389	16.0
	RAM	1.02	1.02	.00	-.00	1.30	1.57	-.60	.01	.00
	BLEED	-.67	.45	.55	.00	-.85	-1.69	2.20	.03	.00
	POWER	2.54	9.37	4.60	-.09	3.10	6.16	3.09	-.09	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.L.S. 8.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.60	NR =	1.00	2580	6320	1.05	901	32.2	136	1423
	P2 =	4.19	1.01	1.56	-.72	-.01	.99	1.01	-.07
	T2 =	461	.04	-1.22	1.79	-.17	-.63	.04	.69
	ERI =	0	-.13	6.66	5.03	.59	2.88	-.13	6.26
.90	NR =	1.00	4680	6460	1.09	953	39.9	165	1351
	P2 =	5.55	1.01	1.65	-.71	.00	1.01	1.01	.00
	T2 =	500	.06	-1.47	2.12	-.20	-.64	.06	.62
	ERI =	0	-.20	7.03	4.28	.64	2.57	-.20	5.78
1.20	NR =	.991	7520	7350	1.21	995	47.0	198	1437
	P2 =	7.90	1.02	1.61	-.65	.00	1.02	1.02	.00
	T2 =	554	.03	-1.79	2.29	-.21	-.70	.03	.54
	ERI =	0	-.08	6.40	3.04	.48	2.16	-.08	4.63

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 8.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

M0	P2/P0	P8/P0	WFT	T8	A8	FGR	FNB	SFCB	W2K	BTANG
.60	1.28	2.94	6618	1423	1070	9070	6480	1.02	451	16.0
	RAM	.91	.90	-.07	.01	1.34	1.47	-.62	.01	.00
	BLEED	-.58	.54	.69	.02	-.83	-1.17	1.74	.04	.00
	POWER	3.13	11.82	6.26	-.03	4.49	6.32	5.36	-.13	.00
.90	1.69	3.45	7052	1351	1070	11300	6600	1.07	427	16.0
	RAM	1.01	1.00	.00	-.00	1.35	1.60	-.65	.01	.00
	BLEED	-.59	.60	.62	-.01	-.81	-1.43	2.07	.06	.00
	POWER	3.02	11.47	5.78	-.06	3.93	6.85	4.46	-.20	.00
1.20	2.41	4.30	8872	1437	1070	15000	7510	1.18	381	16.0
	RAM	1.02	1.01	.00	-.00	1.31	1.59	-.63	.01	.00
	BLEED	-.68	.43	.54	.00	-.87	-1.77	2.26	.03	.00
	POWER	2.44	9.55	4.63	.01	3.11	6.30	3.13	-.08	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	2370	4350	1.03	866	28.3	125	1180
	P2 =	4.19	RAM	1.01	1.86	-1.05	-.01	.99	1.01	-.06
	T2 =	461	BLEED	.04	-1.48	2.25	-.19	-.63	.04	.68
	ERI =	0	POWER	-.26	10.13	6.65	.95	3.76	-.26	8.37
.90	NR =	1.00	1.69	4100	4100	1.15	898	32.3	144	1155
	P2 =	5.55	RAM	1.01	1.87	-1.08	-.01	.99	1.01	-.06
	T2 =	500	BLEED	.03	-1.92	2.70	-.20	-.67	.03	.61
	ERI =	0	POWER	-.13	11.00	4.87	.76	3.39	-.13	7.27
1.20	NR =	.991	2.41	6350	4020	1.33	931	36.3	167	1191
	P2 =	7.90	RAM	1.02	1.98	-1.10	-.00	1.02	1.02	-.01
	T2 =	554	BLEED	.01	-2.28	3.23	-.15	-.66	.01	.66
	ERI =	0	POWER	-.04	11.34	2.78	.48	2.91	-.04	6.05
1.50	NR =	.971	3.57	14900	15200	1.25	1172	82.9	313	1789
	P2 =	11.70	RAM	1.04	1.38	-.37	.00	1.04	1.04	.00
	T2 =	624	BLEED	.04	-1.45	2.05	-.18	-.65	.04	.62
	ERI =	0	POWER	-.05	2.86	1.70	.22	1.05	-.05	2.27
2.00	NR =	.925	7.25	30700	21400	1.36	1341	132.0	486	1898
	P2 =	23.79	RAM	1.08	1.48	-.43	.00	1.08	1.08	.00
	T2 =	774	BLEED	.02	-2.01	2.49	-.21	-.73	.02	.48
	ERI =	0	POWER	-.02	2.05	.88	.13	.62	-.02	1.31

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36080 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	WZK	BTANG
.60	1.28	2.41	4490	1180	1095	6880	4510	1.00	413	16.0
	RAM	.94	.91	-.06	+.00	1.45	1.69	-.85	.01	.00
	BLEED	-.56	.72	.68	+.01	-.88	-1.37	2.13	.04	.00
	POWER	4.01	17.01	8.37	.02	6.17	9.55	7.22	-.26	.00
.90	1.69	2.73	4717	1155	1095	8310	4210	1.12	374	16.0
	RAM	.93	.89	-.06	.00	1.38	1.74	-.93	.01	.00
	BLEED	-.61	.71	.61	+.00	-.92	-1.84	2.62	.03	.00
	POWER	3.60	16.08	7.27	+.02	5.27	10.53	5.33	-.13	.00
1.20	2.41	3.20	5343	1191	1095	10500	4100	1.30	322	16.0
	RAM	1.01	.99	-.01	.01	1.38	1.94	-1.06	.01	.00
	BLEED	-.62	.84	.66	+.02	-.87	-2.23	3.17	.01	.00
	POWER	3.19	14.26	6.05	.03	4.34	11.12	3.00	-.04	.00
1.50	3.57	7.47	19089	1789	1095	30400	15500	1.23	431	13.0
	RAM	1.04	1.04	.00	.00	1.23	1.42	-.41	.01	.00
	BLEED	-.61	.56	.62	.01	-.72	-1.46	2.06	.04	.00
	POWER	1.21	4.62	2.27	+.00	1.44	2.88	1.68	-.05	.00
2.00	7.25	11.95	29110	1893	1094	52500	21800	1.34	367	4.0
	RAM	1.08	1.08	.00	+.00	1.23	1.45	-.40	-.00	.00
	BLEED	-.73	.41	.48	.03	-.80	-1.97	2.45	.02	.00
	POWER	1.69	2.97	1.31	.03	.83	2.03	.90	-.02	.00

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GENERAL ELECTRIC GE4/J5G. ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	1660	690	2.37	752	16.7	88	829
	P2 =	4.19	RAM	1.02	2.87	-3.15	-.03	.87	1.02	-.39
	T2 =	461	BLEED	.01	-3.79	5.65	-.16	-.62	.01	.79
	ERI =	0	POWER	-.10	42.81	-5.57	1.15	6.40	-.10	12.58
.90	NR =	1.00	1.69	2850	-10-177.715	780	18.5	100	776	
	P2 =	5.55	RAM	1.02	-224.12	18.38	-.02	.90	1.02	-.29
	T2 =	500	BLEED	.02	418.81	-57.23	-.16	-.63	.02	.72
	ERI =	0	POWER	-.11	-4179.48	-604.97	1.02	6.03	-.11	11.83
1.20	NR =	.991	2.41	4510	-720	-1.700	813	20.6	119	759
	P2 =	7.90	RAM	1.02	-1.92	1.87	-.02	.93	1.02	-.24
	T2 =	554	BLEED	.01	6.27	-3.44	-.17	-.69	.01	.61
	ERI =	0	POWER	-.05	-54.34	120.64	.90	5.75	-.05	11.03
1.50	NR =	.971	3.57	14900	11700	1.28	1158	78.5	314	1556
	P2 =	11.70	RAM	1.04	1.45	-.49	-.00	1.03	1.04	-.02
	T2 =	624	BLEED	.03	-1.28	2.56	-.09	-.54	.03	.91
	ERI =	0	POWER	-.05	3.70	1.71	.23	1.15	-.05	2.50
2.00	NR =	.925	7.25	30800	16100	1.40	1329	125.1	487	1662
	P2 =	23.79	RAM	1.08	1.61	-.57	.00	1.08	1.08	.00
	T2 =	774	BLEED	.02	-1.98	3.18	-.12	-.61	.02	.74
	ERI =	0	POWER	-.01	2.48	.81	.09	.64	-.01	1.33

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

STANDARD DAY ± 40 F PRESSURE ALTITUDE 36089 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.60	1.28	1.39	1622	829	1258	2550	880	1.83	290	13.0
	RAM	.46	.16	-.39	.01	1.49	2.39	-2.53	.02	.00
	BLEED	-.32	1.54	.79	-.03	-1.04	-3.03	4.79	.01	.00
	POWER	3.80	36.83	12.58	-.11	11.92	34.49	2.20	-.10	.00
.90	1.69	1.48	1393	776	1257	3060	210	6.78	260	13.0
	RAM	.57	.20	-.29	+.00	1.56	9.08	-16.27	.02	.00
	BLEED	-.37	2.02	.72	-.04	-1.07	-16.13	23.95	.02	.00
	POWER	3.95	43.23	11.83	.14	10.76	161.67	-90.50	-.11	.00
1.20	2.41	1.64	1223	759	1259	4020	-500	-2.465	229	13.0
	RAM	.64	.13	-.24	.02	1.49	-2.80	2.56	.02	.00
	BLEED	-.45	2.51	.61	-.05	-1.10	9.01	-5.73	.01	.00
	POWER	4.36	52.52	11.03	-.23	9.70	-79.00	157.71	-.05	.00
1.50	3.57	5.99	14955	1556	1258	26900	12100	1.24	432	13.0
	RAM	1.01	1.00	-.02	.02	1.25	1.50	-.55	.01	.00
	BLEED	-.41	1.23	.91	-.05	-.56	-1.29	2.58	.03	.00
	POWER	1.41	5.48	2.50	-.07	1.64	3.72	1.69	-.05	.00
2.00	7.25	9.62	22506	1662	1257	47200	16400	1.37	367	4.0
	RAM	1.08	1.08	.00	-.00	1.25	1.57	-.53	-.00	.00
	BLEED	-.58	1.11	.74	.01	-.66	-1.94	3.13	.02	.00
	POWER	.67	3.33	1.33	.05	.83	2.43	.86	-.01	.00

11. 5000 FEET

PREVIOUS PAGE WAS BLANK, THEREFORE WAS NOT FILLED.

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 45000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.60	NR = 1.00	1.28	1820	10200	1.80	891	26.3	101	1841
	P2 = 2.73	RAM	1.01	1.35	-.43	-.00	1.01	1.01	-.00
	T2 = 418	BLEED	.01	-1.64	.87	-.33	-.98	.01	.00
	ERI = 100	POWER	-.00	-2.25	3.28	.09	.32	-.00	.00
.90	NR = 1.00	1.69	3480	13400	1.82	964	34.9	129	1989
	P2 = 3.62	RAM	1.01	1.28	-.34	-.00	1.01	1.01	-.00
	T2 = 453	BLEED	.01	-1.65	.88	-.33	-.98	.01	.01
	ERI = 100	POWER	-.00	-1.69	2.45	.06	.22	-.00	.00
1.20	NR = .991	2.41	6140	18100	1.80	1035	46.9	170	2059
	P2 = 5.14	RAM	1.02	1.33	-.37	.00	1.02	1.02	.00
	T2 = 503	BLEED	.02	-1.70	.93	-.34	-.97	.02	.00
	ERI = 0	POWER	-.00	-1.78	1.34	.05	.16	-.00	.00
1.50	NR = .971	3.56	10200	23400	1.79	1112	62.2	225	2059
	P2 = 7.62	RAM	1.04	1.27	-.27	-.00	1.04	1.04	.00
	T2 = 566	BLEED	.08	-1.66	.95	-.26	-.90	.08	.00
	ERI = 0	POWER	-.02	-1.61	1.06	.04	.17	-.02	-.00
1.80	NR = .945	5.43	16200	28800	1.74	1204	82.8	299	2059
	P2 = 11.61	RAM	1.07	.76	-.79	.00	1.07	1.07	.00
	T2 = 643	BLEED	.08	-1.45	1.48	-.27	-.90	.08	-.00
	ERI = 0	POWER	-.01	-1.82	.82	.03	.13	-.01	.00
2.00	NR = .925	7.24	21500	30300	1.65	1269	99.0	358	2059
	P2 = 15.48	RAM	1.09	.64	-.66	.00	1.09	1.09	.00
	T2 = 702	BLEED	.05	-1.52	1.55	-.24	-.93	.05	.00
	ERI = 0	POWER	-.00	-.60	.60	.02	.11	-.00	.00
2.30	NR = .893	11.2	32200	31200	1.60	1374	128.8	465	2059
	P2 = 23.90	RAM	1.12	.48	-.49	-.00	1.12	1.12	.00
	T2 = 802	BLEED	.03	-1.77	1.82	-.25	-.95	.03	-.01
	ERI = 0	POWER	-.00	-.55	.56	.02	.10	-.00	.00
2.45	NR = .876	13.9	38900	31600	1.58	1430	145.9	528	2059
	P2 = 29.64	RAM	1.14	.68	-.70	-.00	1.14	1.14	.00
	T2 = 857	BLEED	.02	-2.19	2.27	-.18	-.94	.02	-.01
	ERI = 0	POWER	-.00	-.52	.53	.01	.09	-.00	.00

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STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

MO	0	PR/PO	WGT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.60	1.28	4.34	18246	3217	1303	12100	10300	1.78	487	13.0
	RAM	1.01	.95	.01	+.00	1.30	1.36	-.44	.02	.00
	BLEED	-1.35	-.79	-.05	.34	-1.39	-1.64	.87	.01	.00
	POWER	-6.08	1.00	-.27	5.90	-1.87	-2.21	3.23	-.00	.00
.90	1.69	5.77	24394	3407	1294	17200	13700	1.78	488	13.0
	RAM	1.01	.96	.01	.00	1.25	1.31	-.37	.02	.00
	BLEED	-1.35	-.79	-.05	.34	-1.32	-1.66	.88	.01	.00
	POWER	-4.38	.74	-.26	4.22	-1.14	-1.43	2.19	-.00	.00
1.20	2.41	7.69	32462	3484	1299	24400	18300	1.77	478	4.0
	RAM	1.02	.98	.02	.01	1.23	1.29	-.33	.01	.00
	BLEED	-1.32	-.79	-.06	.32	-1.25	-1.68	.91	.02	.00
	POWER	-3.22	.56	-.21	3.09	-.72	-.96	1.52	-.00	.00
1.50	3.54	9.85	41833	3479	1338	33800	23600	1.77	453	4.0
	RAM	1.04	1.01	-.02	-.01	1.21	1.28	-.28	.01	.00
	BLEED	-1.37	-.73	-.02	.45	-1.15	-1.68	.97	.08	.00
	POWER	-2.33	.45	-.08	2.26	-.43	-.60	1.06	-.02	.00
1.80	5.43	12.66	50000	3320	1341	45300	29100	1.72	422	.0
	RAM	1.10	.00	-.64	-.42	.85	.73	-.76	.01	.00
	BLEED	-1.37	.00	.39	.69	-.87	-1.40	1.43	.08	.00
	POWER	-1.84	-.00	-.36	1.61	-.47	-.73	.73	-.01	.00
2.00	7.24	14.93	50000	3017	1284	52200	30700	1.63	395	.0
	RAM	1.12	.00	-.68	+.43	.85	.69	-.71	.01	.00
	BLEED	-1.46	.00	.40	.75	-.90	-1.56	1.60	.05	.00
	POWER	-1.56	.00	-.32	1.37	-.38	-.65	.66	-.00	.00
2.30	11.2	19.03	50000	2613	1206	64200	32000	1.56	356	.0
	RAM	1.16	.00	-.78	+.47	.82	.52	-.54	.00	.00
	BLEED	-1.45	.00	.42	.71	-.88	-1.80	1.85	.03	.00
	POWER	-1.20	.00	-.26	1.03	-.28	-.56	.57	-.00	.00
2.45	13.9	21.38	50000	2485	1182	71500	32600	1.54	336	.0
	RAM	1.17	.00	-.56	+.35	.95	.72	-.75	.00	.00
	BLEED	-1.62	.00	.28	.79	-.99	-2.18	2.26	.02	.00
	POWER	-1.05	.00	-.21	.92	-.23	-.50	.50	-.00	.00

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MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	1820	9370	1.58	892	26.4	101	1841
	P2 =	2.73	RAM	1.01	1138	-.45	-.00	1.01	1.01	-.00
	T2 =	418	BLEED	.01	-1168	.94	-.33	-.98	.01	.00
	ERI =	100	POWER	-.00	-2.39	3.58	.09	.31	-.00	-.01
.90	NR =	1.00	1.69	3480	12400	1.61	965	35.0	129	1989
	P2 =	3.62	RAM	1.01	1128	-.33	-.00	1.01	1.01	.00
	T2 =	453	BLEED	.01	-1.67	.92	-.33	-.98	.01	.01
	ERI =	100	POWER	-.00	-1169	2.58	.06	.22	-.00	.00
1.20	NR =	.991	2.41	6140	16300	1.63	1036	47.1	170	2059
	P2 =	5.14	RAM	1.02	1128	-.31	.00	1.02	1.02	-.00
	T2 =	503	BLEED	.02	-1.75	1.01	-.34	-.97	.02	.00
	ERI =	0	POWER	-.00	-.76	1.41	.05	.16	-.00	.01
1.50	NR =	.971	3.56	10200	21000	1.63	1113	62.3	225	2059
	P2 =	7.62	RAM	1.04	1130	-.31	-.00	1.04	1.04	.00
	T2 =	566	BLEED	.08	-1.74	1.08	-.26	-.89	.08	.00
	ERI =	0	POWER	-.02	-.58	1.10	.04	.17	-.02	-.00
1.80	NR =	.945	5.43	16200	26800	1.65	1205	83.0	299	2059
	P2 =	11.61	RAM	1.07	1132	-.30	.00	1.07	1.07	.00
	T2 =	643	BLEED	.08	-1.85	1.19	-.27	-.89	.08	-.00
	ERI =	0	POWER	-.01	-.46	.86	.03	.13	-.01	.00
2.00	NR =	.925	7.24	21500	30300	1.65	1270	99.3	358	2059
	P2 =	15.48	RAM	1.09	1195	-.47	.00	1.09	1.09	.00
	T2 =	702	BLEED	.05	-1.52	1.55	-.24	-.92	.05	.01
	ERI =	0	POWER	-.00	-.60	.60	.02	.11	-.00	.00
2.30	NR =	.893	11.2	32200	31300	1.60	1376	129.2	465	2059
	P2 =	23.90	RAM	1.12	1148	-.49	.00	1.12	1.12	.00
	T2 =	802	BLEED	.03	-1.77	1.82	-.25	-.95	.03	-.01
	ERI =	0	POWER	-.00	-.55	.55	.02	.09	-.00	.00
2.45	NR =	.876	13.9	38900	31600	1.58	1431	146.4	528	2059
	P2 =	29.64	RAM	1.14	1168	-.70	.00	1.14	1.14	.00
	T2 =	857	BLEED	.02	-2.19	2.26	-.18	-.94	.02	-.01
	ERI =	0	POWER	-.00	-.52	.53	.01	.09	-.00	.00

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PRESSURE ALTITUDE 45000 FEET

MO	P2/P0	P8/P0	WFT.	T8	A8	FG8	FNB	SFC8	W2K	BTANG
.60	1.28	4.38	14807	2846	1201	11300	9450	1.57	487	13.0
	RAM	1.02	.96	-.01	+.01	1.29	1.35	-.42	.02	.00
	BLEED	-1.34	-.77	-.01	.34	-1.37	-1.63	.89	.01	.00
	POWER	-5.98	1.16	-.12	5.79	-1.74	-2.08	3.26	-.00	.00
.90	1.69	5.84	19961	3030	1193	16000	12500	1.59	488	13.0
	RAM	1.02	.97	-.00	-.00	1.24	1.31	-.36	.02	.00
	BLEED	-1.34	-.77	-.02	.34	-1.30	-1.66	.91	.01	.00
	POWER	-4.33	.86	-.14	4.16	-1.05	-1.34	2.22	-.00	.00
1.20	2.41	7.77	26634	3100	1198	22800	16700	1.60	478	4.0
	RAM	1.02	.99	-.00	.00	1.21	1.28	-.31	.01	45.00
	BLEED	-1.31	-.77	-.02	.33	-1.23	-1.69	.94	.02	.00
	POWER	-3.18	.65	-.09	3.06	-.64	-.87	1.53	-.00	.00
1.50	3.56	9.96	34231	3090	1231	31400	21300	1.61	453	4.0
	RAM	1.04	1.01	-.02	-.01	1.20	1.28	-.28	.01	.00
	BLEED	-1.36	-.69	-.00	.44	-1.13	-1.71	1.05	.08	.00
	POWER	-2.29	.51	-.04	2.23	-.40	-.58	1.10	-.02	.00
1.80	5.43	12.77	44066	3079	1272	43300	27100	1.63	421	.0
	RAM	1.07	1.05	-.01	-.01	1.21	1.30	-.27	.01	.00
	BLEED	-1.34	-.69	-.02	.41	-1.11	-1.83	1.17	.08	.00
	POWER	-1.82	.40	-.11	1.74	-.32	-.50	.90	-.01	.00
2.00	7.24	15.01	50000	3018	1278	52300	30700	1.63	395	.0
	RAM	1.11	.50	-.37	-.23	1.03	.98	-.50	.01	.00
	BLEED	-1.45	.00	.40	.74	-.89	-1.55	1.59	.05	.00
	POWER	-1.55	.00	-.32	1.36	-.38	-.65	.65	-.00	.00
2.30	11.2	19.13	50000	2614	1201	64300	32000	1.56	356	.0
	RAM	1.16	.00	-.78	+.47	.82	.53	-.54	-.00	.00
	BLEED	-1.43	.00	.42	.69	-.88	-1.80	1.85	.03	.00
	POWER	-1.20	-.00	-.25	1.03	-.28	-.56	.56	-.00	.00
2.45	13.9	21.49	50000	2487	1176	71500	32600	1.53	336	.0
	RAM	1.17	.00	-.55	+.35	.95	.72	-.75	-.00	.00
	BLEED	-1.62	.00	.28	.79	-.98	-2.18	2.25	.02	.00
	POWER	-1.05	.00	-.21	.92	-.23	-.50	.50	-.00	.00

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STANDARD DAY PRESSURE ALTITUDE 45000 FEET

MO		P2/APD	FD	FN	SFC	TE	PE	W2	TC
.60	NR =	1.00	1820	8170	1.39	893	26.4	101	1841
	P2 =	2.73	1.01	1.43	-.49	-.00	1.01	1.01	.00
	T2 =	418	BLEED	.01	-1.72	1.02	-.33	-.98	.01
	ERI =	100	POWER	-.00	-1168	3.14	.09	.32	-.00
.90	NR =	1.00	3480	10900	1.42	966	35.1	129	1989
	P2 =	3.62	1.01	1.34	-.38	-.00	1.01	1.01	.00
	T2 =	453	BLEED	.01	-1.73	1.02	-.33	-.98	.01
	ERI =	100	POWER	-.00	-1330	2.37	.06	.22	-.00
1.20	NR =	.991	6140	14300	1.45	1038	47.2	170	2059
	P2 =	5.14	1.02	1.27	-.29	.00	1.02	1.02	.00
	T2 =	503	BLEED	.02	-1.74	1.03	-.34	-.97	.02
	ERI =	0	POWER	-.00	-.92	1.71	.05	.16	-.00
1.50	NR =	.971	10100	18100	1.47	1114	62.5	225	2059
	P2 =	7.62	1.04	1.36	-.36	-.00	1.04	1.04	.00
	T2 =	566	BLEED	.09	-1.84	1.24	-.25	-.88	.09
	ERI =	0	POWER	-.02	-.62	1.24	.04	.16	-.02
1.80	NR =	.945	16200	22700	1.50	1206	83.3	299	2059
	P2 =	11.61	1.07	1.30	-.27	.00	1.07	1.07	.00
	T2 =	643	BLEED	.08	-1.95	1.35	-.27	-.89	.08
	ERI =	0	POWER	-.01	-.52	1.01	.03	.13	-.01
2.00	NR =	.925	21500	26000	1.52	1271	99.7	358	2059
	P2 =	15.48	1.09	1.36	-.30	.00	1.09	1.09	.00
	T2 =	702	BLEED	.05	-2.12	1.51	-.24	-.92	.05
	ERI =	0	POWER	-.01	-.43	.84	.03	.11	-.01
2.30	NR =	.893	32200	31000	1.58	1377	129.6	465	2059
	P2 =	23.90	1.12	1.33	-.23	.00	1.12	1.12	.00
	T2 =	802	BLEED	.03	-2.31	1.68	-.25	-.95	.03
	ERI =	0	POWER	-.00	-.34	.68	.02	.09	-.00
2.45	NR =	.876	38900	31900	1.57	1432	146.8	528	2059
	P2 =	29.64	1.14	1.70	-.72	.00	1.14	1.14	.00
	T2 =	857	BLEED	.02	-2.20	2.27	-.18	-.94	.02
	ERI =	0	POWER	-.00	-.53	.54	.01	.09	-.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 45000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FN8	SFCB	W2K	BTANG
.60	1.28	4.44	11348	2353	1066	10100	8320	1.36	487	13.0
	RAM	1.01	.98	.01	.00	1.30	1.36	-.41	.02	.00
	BLEED	-1.32	-.73	-.02	.32	-1.37	-1.67	.96	.01	.00
	POWER	-5.83	1.44	-.12	5.63	-1.69	-2.06	3.53	-.00	.00
.90	1.69	5.91	15501	2534	1066	14500	11000	1.41	488	13.0
	RAM	1.01	.99	.01	.00	1.24	1.32	-.35	.02	.00
	BLEED	-1.33	-.73	-.01	.33	-1.29	-1.70	.99	.01	.00
	POWER	-4.23	1.05	-.10	4.07	-.99	-1.30	2.37	-.00	.00
1.20	2.41	7.87	20772	2612	1076	20700	14500	1.43	478	13.0
	RAM	1.02	1.00	.00	.00	1.21	1.29	-.31	.01	.00
	BLEED	-1.32	-.74	-.02	.33	-1.22	-1.75	1.04	.02	.00
	POWER	-3.12	.79	-.05	3.03	-.59	-.84	1.64	-.00	.00
1.50	3.56	10.09	26586	2603	1105	28500	18300	1.45	453	4.0
	RAM	1.04	1.02	-.01	-.01	1.20	1.29	-.29	.01	.00
	BLEED	-1.34	-.64	.01	.44	-1.11	-1.78	1.17	.09	.00
	POWER	-2.26	.61	-.00	2.20	-.36	-.56	1.17	-.02	.00
1.80	5.43	12.94	34015	2595	1141	39200	23000	1.48	421	4.0
	RAM	1.07	1.05	-.01	-.00	1.21	1.31	-.28	.01	.00
	BLEED	-1.32	-.64	-.01	.40	-1.10	-1.94	1.33	.08	.00
	POWER	-1.78	.48	-.07	1.70	-.28	-.47	.96	-.01	.00
2.00	7.24	15.20	39557	2591	1159	47800	26300	1.50	395	.0
	RAM	1.09	1.08	-.01	-.00	1.23	1.34	-.27	.01	.00
	BLEED	-1.41	-.66	-.02	.45	-1.13	-2.10	1.49	.05	.00
	POWER	-1.54	.41	-.07	1.47	-.23	-.42	.83	-.01	.00
2.30	11.2	19.23	49002	2585	1187	63900	31600	1.55	356	.0
	RAM	1.12	1.11	-.01	-.00	1.24	1.37	-.28	-.00	.00
	BLEED	-1.40	-.69	-.03	.41	-1.14	-2.33	1.70	.03	.00
	POWER	-1.20	.33	-.06	1.15	-.16	-.33	.67	-.00	.00
2.45	13.9	21.61	50000	2488	1170	71600	32700	1.53	336	.0
	RAM	1.17	-.00	-.55	-.35	.95	.72	-.75	-.00	.00
	BLEED	-1.61	.00	.28	.78	-.98	-2.17	2.24	.02	.00
	POWER	-1.04	.00	-.21	.91	-.23	-.49	.50	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 45000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1820	6910	1.16	894	26.5	101	1841	
	P2 =	2.73	RAM	1.01	1.47	-.57	-.00	1.01	1.01	.00
	T2 =	418	BLEED	.01	-1.79	1.21	-.33	-.97	.01	.00
	ERI =	100	POWER	-.00	-1.57	3.49	.09	.32	-.00	.00
.90	NR =	1.00	3480	9180	1.20	967	35.2	129	1989	
	P2 =	3.62	RAM	1.01	1.39	-.46	-.00	1.01	1.01	.00
	T2 =	453	BLEED	.01	-1.82	1.23	-.33	-.97	.01	.00
	ERI =	100	POWER	-.00	-1.11	2.52	.06	.22	-.00	.00
1.20	NR =	.991	6130	12100	1.23	1039	47.4	170	2059	
	P2 =	5.14	RAM	1.02	1.31	-.31	.00	1.02	1.02	.00
	T2 =	503	BLEED	.02	-1.85	1.22	-.33	-.96	.02	-.01
	ERI =	0	POWER	-.00	-.82	1.87	.05	.16	-.00	.00
1.50	NR =	.971	10100	14800	1.27	1115	62.7	225	2059	
	P2 =	7.62	RAM	1.04	1.27	-.25	-.00	1.04	1.04	.00
	T2 =	566	BLEED	.10	-1.91	1.39	-.25	-.88	.10	-.00
	ERI =	0	POWER	-.01	-.68	1.48	.04	.16	-.01	-.00
1.80	NR =	.945	16200	18400	1.30	1207	83.5	299	2059	
	P2 =	11.61	RAM	1.07	1.37	-.33	.00	1.07	1.07	.00
	T2 =	643	BLEED	.08	-2.15	1.66	-.27	-.89	.08	-.00
	ERI =	0	POWER	-.01	-.43	1.06	.03	.13	-.01	-.00
2.00	NR =	.925	21500	20700	1.33	1272	100.0	358	2059	
	P2 =	15.48	RAM	1.09	1.36	-.29	.00	1.09	1.09	.00
	T2 =	702	BLEED	.05	-2.31	1.81	-.25	-.91	.05	-.00
	ERI =	0	POWER	-.01	-.38	.93	.03	.11	-.01	.00
2.30	NR =	.893	32200	24200	1.38	1378	130.0	465	2059	
	P2 =	23.90	RAM	1.12	1.41	-.32	.00	1.12	1.12	.00
	T2 =	802	BLEED	.03	-2.66	2.16	-.25	-.95	.03	-.01
	ERI =	0	POWER	-.00	-.25	.70	.02	.09	-.00	-.00
2.45	NR =	.876	38900	25700	1.42	1433	147.3	528	2059	
	P2 =	29.64	RAM	1.14	1.42	-.30	-.00	1.14	1.14	-.00
	T2 =	857	BLEED	.02	-2.86	2.42	-.18	-.94	.02	.00
	ERI =	0	POWER	-.00	-.24	.65	.02	.09	-.00	.00

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MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.60	1.28	4.49	7993	1896	938	9010	7190	1.11	487	13.0
	RAM	1.02	.95	-.03	+.02	1.27	1.34	-.42	.02	.00
	BLEED	-1.31	-.62	.02	.33	-1.33	-1.67	1.08	.01	.00
	POWER	-5.70	1.91	-.04	5.57	-1.56	-1.95	3.88	-.00	.00
.90	1.69	5.98	11015	2034	935	12800	9340	1.18	488	13.0
	RAM	1.02	.97	-.02	-.01	1.22	1.30	-.36	.02	.00
	BLEED	-1.31	-.63	.02	.34	-1.26	-1.73	1.14	.01	.00
	POWER	-4.13	1.39	-.02	4.04	-.91	-1.24	2.65	-.00	.00
1.20	2.41	7.97	14873	2110	946	18300	12200	1.22	478	13.0
	RAM	1.02	1.02	.01	.01	1.21	1.31	-.31	.01	.00
	BLEED	-1.31	-.67	-.03	.32	-1.22	-1.85	1.22	.02	.00
	POWER	-3.07	1.04	-.03	2.99	-.56	-.85	1.89	-.00	.00
1.50	3.56	10.22	18898	2111	973	25300	15100	1.25	452	13.0
	RAM	1.04	1.04	.00	-.00	1.21	1.31	-.30	.01	.00
	BLEED	-1.35	-.56	-.00	.44	-1.11	-1.92	1.40	.10	.00
	POWER	-2.22	.80	.00	2.17	-.35	-.57	1.38	-.01	.00
1.80	5.43	13.11	23907	2111	1006	34800	18600	1.28	421	4.0
	RAM	1.07	1.06	.00	.00	1.21	1.34	-.29	.01	.00
	BLEED	-1.31	-.55	-.00	.39	-1.09	-2.12	1.62	.08	.00
	POWER	-1.74	.63	-.01	1.69	-.24	-.44	1.07	-.01	.00
2.00	7.24	15.40	27536	2111	1023	42500	21000	1.31	395	4.0
	RAM	1.09	1.09	.00	.00	1.23	1.36	-.29	.01	.00
	BLEED	-1.40	-.57	-.00	.44	-1.12	-2.32	1.81	.05	.00
	POWER	-1.52	.54	-.01	1.48	-.19	-.38	.93	-.01	.00
2.30	11.2	19.49	33486	2111	1049	56800	24600	1.36	356	.0
	RAM	1.12	1.12	.00	+.00	1.24	1.41	-.31	-.00	.00
	BLEED	-1.40	-.58	-.02	.41	-1.13	-2.65	2.15	.03	.00
	POWER	-1.18	.45	-.01	1.15	-.13	-.29	.74	-.00	.00
2.45	13.9	21.88	36487	2111	1057	65100	26200	1.39	336	.0
	RAM	1.14	1.14	-.00	.00	1.26	1.43	-.32	.00	.00
	BLEED	-1.57	-.55	-.00	.58	-1.14	-2.86	2.42	.02	.00
	POWER	-1.05	.41	-.01	1.02	-.11	-.26	.68	-.00	.00

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MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.60	NR = 1.00	1.28	1820	6910	1.09	896	26.7	101	1841
	P2 = 2.73	RAM	1.01	1442	-.44	-.00	1.01	1.01	-.00
	T2 = 418	BLEED	.01	-1474	1.12	-.33	-.97	.01	.00
	ERI = 100	POWER	-.00	-1.91	3.96	.09	.32	-.00	.00
.90	NR = 1.00	1.69	3480	9040	1.17	968	35.4	128	1989
	P2 = 3.62	RAM	1.01	1432	-.33	-.00	1.01	1.01	.00
	T2 = 453	BLEED	.01	-1477	1.13	-.33	-.97	.01	-.01
	ERI = 100	POWER	-.00	-1.26	2.73	.06	.22	-.00	.00
1.20	NR = .991	2.41	6130	11800	1.20	1040	47.6	170	2059
	P2 = 5.14	RAM	1.02	1431	-.32	.00	1.02	1.02	.00
	T2 = 503	BLEED	.02	-1486	1.25	-.33	-.96	.02	-.01
	ERI = 0	POWER	-.00	-1.83	1.91	.05	.16	-.00	.00
1.50	NR = .971	3.56	10100	14500	1.24	1116	63.0	225	2059
	P2 = 7.62	RAM	1.04	1.28	-.26	-.00	1.04	1.04	.00
	T2 = 566	BLEED	.10	-1.93	1.44	-.25	-.87	.10	-.00
	ERI = 0	POWER	-.01	-.68	1.51	.04	.15	-.01	.00
1.80	NR = .945	5.43	16200	17900	1.27	1209	83.9	299	2059
	P2 = 11.61	RAM	1.07	1.38	-.34	.00	1.07	1.07	.00
	T2 = 643	BLEED	.08	-2.18	1.71	-.26	-.88	.08	-.00
	ERI = 0	POWER	-.01	-.44	1.09	.03	.12	-.01	.00
2.00	NR = .925	7.24	21500	20100	1.30	1274	100.4	357	2059
	P2 = 15.48	RAM	1.09	1.36	-.29	.00	1.09	1.09	.00
	T2 = 702	BLEED	.06	-2.32	1.85	-.26	-.90	.06	-.00
	ERI = 0	POWER	-.01	-.438	.95	.03	.11	-.01	.00
2.30	NR = .893	11.2	32200	23400	1.36	1380	130.6	465	2059
	P2 = 23.90	RAM	1.12	1.42	-.33	-.00	1.12	1.12	-.00
	T2 = 802	BLEED	.03	-2.69	2.25	-.25	-.94	.03	.00
	ERI = 0	POWER	-.00	-.26	.73	.02	.09	-.00	-.00
2.45	NR = .876	13.9	38900	24900	1.39	1435	148.0	527	2059
	P2 = 29.64	RAM	1.14	1.43	-.31	-.00	1.14	1.14	.00
	T2 = 857	BLEED	.02	-2.90	2.49	-.20	-.93	.02	.00
	ERI = 0	POWER	-.00	-.24	.67	.02	.09	-.00	-.00

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MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFC8	W2K	BTANG
.60	16.28	4.53	7517	1841	916	8880	7060	1.06	487	16.0
	RAM	1.02	1.01	-.00	-.00	1.29	1.36	-.37	.02	.00
	BLEED	-1.31	-.65	.00	.32	-1.34	-1.68	1.06	.01	.00
	POWER	-5.63	2.03	.00	5.51	-1.51	-1.89	3.94	-.00	.00
.90	16.69	6.02	10550	1989	917	12700	9200	1.15	488	16.0
	RAM	1.01	1.01	.00	-.00	1.24	1.32	-.33	.02	.00
	BLEED	-1.31	-.67	-.01	.32	-1.27	-1.76	1.12	.01	.00
	POWER	-4.08	1.45	.00	4.00	-.87	-1.20	2.67	-.00	.00
1.20	20.41	8.02	14248	2059	927	18100	11900	1.19	478	13.0
	RAM	1.02	1.02	.00	.00	1.21	1.30	-.30	.01	.00
	BLEED	-1.30	-.65	-.01	.32	-1.21	-1.84	1.23	.02	.00
	POWER	-3.05	1.08	.00	2.99	-.54	-.81	1.90	-.00	.00
1.50	36.56	10.30	18058	2059	953	24900	14800	1.22	452	13.0
	RAM	1.04	1.04	.00	-.00	1.20	1.31	-.30	.01	.00
	BLEED	-1.35	-.54	-.00	.44	-1.11	-1.93	1.43	.10	.00
	POWER	-2.22	.83	.00	2.17	-.35	-.57	1.41	-.01	.00
1.80	56.43	13.21	22783	2059	985	34300	18100	1.26	421	4.0
	RAM	1.07	1.06	.00	.00	1.21	1.34	-.30	.01	.00
	BLEED	-1.31	-.53	-.00	.38	-1.09	-2.13	1.66	.08	.00
	POWER	-1.71	.65	.00	1.67	-.23	-.43	1.08	-.01	.00
2.00	76.24	15.52	26189	2059	1002	41900	20400	1.28	395	4.0
	RAM	1.09	1.09	.00	.00	1.22	1.37	-.30	.01	.00
	BLEED	-1.35	-.54	-.00	.41	-1.10	-2.33	1.85	.06	.00
	POWER	-1.51	.56	.00	1.47	-.18	-.37	.94	-.01	.00
2.30	116.2	19.65	31721	2059	1027	56000	23800	1.33	356	.0
	RAM	1.12	1.12	-.00	.00	1.24	1.40	-.31	.00	.00
	BLEED	-1.37	-.53	.00	.40	-1.12	-2.66	2.22	.03	.00
	POWER	-1.17	.47	-.00	1.14	-.12	-.29	.76	-.00	.00
2.45	136.9	22.06	34491	2059	1035	64200	25300	1.36	336	.0
	RAM	1.14	1.14	.00	.00	1.26	1.44	-.32	.00	.00
	BLEED	-1.49	-.52	.00	.51	-1.13	-2.89	2.48	.02	.00
	POWER	-1.04	.42	-.00	1.02	-.10	-.26	.69	-.00	.00

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MO		P2/PO	FD	FN	SFC	TE	PE	WZ	TC	
.60	NR =	1.00	1.28	1820	5460	1.02	876	24.5	101	1511
	P2 =	2.73	RAM	1.01	1452	-.55	-.00	1.01	1.01	-.00
	T2 =	418	BLEED	.01	-1.18	1.55	-.20	-.69	.01	.64
	ERI =	100	POWER	-.04	8.43	6.80	.94	4.03	-.04	8.56
.90	NR =	1.00	1.69	3400	6590	1.08	924	31.1	126	1562
	P2 =	3.62	RAM	1.01	1446	-.48	-.00	1.01	1.01	-.00
	T2 =	453	BLEED	.01	-1.24	1.67	-.20	-.68	.01	.64
	ERI =	0	POWER	-.06	7.08	5.17	.76	3.17	-.06	6.75
1.20	NR =	.991	2.41	5870	8300	1.13	990	40.9	162	1628
	P2 =	5.14	RAM	1.02	1445	-.46	-.00	1.02	1.02	-.00
	T2 =	503	BLEED	.03	-1.30	1.84	-.16	-.64	.03	.67
	ERI =	0	POWER	-.14	5.81	3.66	.56	2.31	-.14	5.13
1.50	NR =	.971	3.56	10200	12300	1.21	1103	60.0	225	1821
	P2 =	7.62	RAM	1.04	1432	-.30	-.00	1.04	1.04	-.00
	T2 =	566	BLEED	.04	-1.26	1.82	-.18	-.64	.04	.66
	ERI =	0	POWER	-.10	3.75	2.54	.36	1.50	-.10	3.31
1.80	NR =	.945	5.43	16200	16000	1.25	1200	81.5	299	1911
	P2 =	11.61	RAM	1.07	1442	-.38	.00	1.07	1.07	.00
	T2 =	643	BLEED	.05	-1.52	2.00	-.20	-.68	.05	.56
	ERI =	0	POWER	-.07	2.87	1.58	.24	.99	-.07	2.24
2.00	NR =	.925	7.24	21500	18500	1.29	1268	98.3	358	1955
	P2 =	15.48	RAM	1.09	1439	-.32	.00	1.09	1.09	.00
	T2 =	702	BLEED	.04	-1.63	2.10	-.19	-.70	.04	.54
	ERI =	0	POWER	-.04	2.47	1.27	.18	.83	-.04	1.80
2.30	NR =	.893	11.2	32200	22500	1.35	1377	129.5	465	2015
	P2 =	23.90	RAM	1.12	1443	-.33	.00	1.12	1.12	.00
	T2 =	802	BLEED	.02	-2.06	2.35	-.21	-.77	.02	.40
	ERI =	0	POWER	-.01	1.73	.87	.12	.56	-.01	1.14
2.45	NR =	.876	13.9	38900	24400	1.39	1433	147.3	527	2037
	P2 =	29.64	RAM	1.14	1444	-.32	.00	1.14	1.14	.00
	T2 =	857	BLEED	.01	-1.89	2.55	-.15	-.69	.01	.58
	ERI =	0	POWER	-.00	.65	.71	.06	.29	-.00	.49

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MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.60	11.28	3.54	5583	1511	1045	7410	5590	1.00	487	16.0
	RAM	1.01	1.01	-.00	.00	1.35	1.46	-.48	.02	.00
	BLEED	-.64	.35	.64	-.00	-.86	-1.14	1.52	.01	.00
	POWER	4.67	15.40	8.56	.01	6.16	8.18	7.05	-.04	.00
.90	16.69	4.49	7102	1562	1045	10100	6700	1.06	477	16.0
	RAM	1.01	1.01	-.00	-.00	1.29	1.42	-.45	.02	.00
	BLEED	-.61	.40	.64	+.02	-.80	-1.21	1.64	.01	.00
	POWER	3.71	12.40	6.75	+.03	4.64	7.03	5.23	-.06	.00
1.20	24.41	5.94	9381	1628	1045	14300	8420	1.11	457	13.0
	RAM	1.02	1.02	-.00	-.00	1.24	1.40	-.41	.01	.00
	BLEED	-.61	.50	.67	.01	-.73	-1.27	1.80	.03	.00
	POWER	2.71	9.59	5.13	+.01	3.29	5.67	3.80	-.14	.00
1.50	35.56	8.76	14824	1821	1045	22700	12500	1.18	454	13.0
	RAM	1.04	1.04	-.00	.00	1.22	1.36	-.35	.01	.00
	BLEED	-.58	.53	.66	+.01	-.69	-1.28	1.84	.04	.00
	POWER	1.73	6.37	3.31	.02	2.06	3.81	2.48	-.10	.00
1.80	54.43	11.93	20123	1911	1045	32500	16300	1.24	422	4.0
	RAM	1.07	1.07	.00	+.00	1.22	1.37	-.33	.01	.00
	BLEED	-.62	.43	.56	+.01	-.72	-1.48	1.95	.05	.00
	POWER	1.20	4.51	2.24	+.01	1.37	2.81	1.64	-.07	.00
2.00	76.24	14.43	23930	1955	1045	40400	18800	1.27	395	4.0
	RAM	1.09	1.09	.00	.00	1.23	1.39	-.32	.01	.00
	BLEED	-.65	.43	.54	+.01	-.73	-1.61	2.09	.04	.00
	POWER	.99	3.78	1.80	+.01	1.12	2.45	1.29	-.04	.00
2.30	111.2	19.06	30480	2015	1045	55100	22900	1.33	356	.0
	RAM	1.12	1.12	.00	-.00	1.24	1.42	-.32	-.00	.00
	BLEED	-.82	.21	.40	.07	-.84	-2.04	2.32	.02	.00
	POWER	.42	2.62	1.14	.21	.70	1.70	.90	-.01	.00
2.45	135.9	21.73	33801	2037	1044	63700	24800	1.36	336	.0
	RAM	1.14	1.14	.00	-.00	1.26	1.45	-.33	-.00	.00
	BLEED	-.70	.59	.58	.04	-.72	-1.88	2.53	.01	.00
	POWER	-.37	1.37	.49	.62	.24	.63	.73	-.00	.00

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PRESSURE ALTITUDE 45000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	1760	4730	1.00	847	22.8	98	1378
	P2 =	2.73	RAM	1.01	1.55	-.60	-.00	1.01	1.01	-.01
	T2 =	418	BLEED	.01	-1.11	1.71	-.14	-.63	.01	.77
	ERI =	0	POWER	-.07	9.71	7.28	.98	4.43	-.07	9.49
.90	NR =	1.00	1.69	3260	5570	1.07	895	28.6	120	1429
	P2 =	3.62	RAM	1.01	1.51	-.55	-.00	1.01	1.01	-.00
	T2 =	453	BLEED	.03	-1.25	1.81	-.16	-.64	.03	.70
	ERI =	0	POWER	-.12	7.91	5.39	.66	3.32	-.12	7.21
1.20	NR =	.991	2.41	5530	6720	1.13	956	36.8	153	1478
	P2 =	5.14	RAM	1.02	1.50	-.52	-.00	1.02	1.02	-.00
	T2 =	503	BLEED	.04	-1.41	1.98	-.18	-.64	.04	.65
	ERI =	0	POWER	-.14	7.17	3.96	.57	2.64	-.14	5.87

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STANDARD DAY PRESSURE ALTITUDE 45000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FN8	SFC8	W2K	BTANG
.60	1.28	3.19	4720	1378	1068	6590	4830	.98	472	16.0
	RAM	1.01	1.00	-.01	.00	1.38	1.51	-.56	.02	.00
	BLEED	-.56	.57	.77	+.01	-.79	-1.08	1.67	.01	.00
	POWER	5.17	17.20	9.49	-.05	6.92	9.48	7.52	-.07	.00
.90	1.69	4.01	5933	1429	1068	8930	5670	1.05	457	16.0
	RAM	1.01	1.00	-.00	.00	1.31	1.48	-.52	.01	.00
	BLEED	-.59	.52	.70	-.00	-.77	-1.23	1.79	.03	.00
	POWER	3.84	13.45	7.21	+.01	4.92	7.82	5.48	-.12	.00
1.20	2.41	5.18	7572	1478	1068	12400	6840	1.11	430	13.0
	RAM	1.02	1.01	-.00	+.00	1.27	1.46	-.48	.01	-4.62
	BLEED	-.58	.53	.65	+.02	-.74	-1.38	1.94	.04	.00
	POWER	3.13	11.27	5.87	+.04	3.82	7.01	4.11	-.14	.00

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PRESSURE ALTITUDE 45000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	1750	4640	1.00	843	22.6	97	1364
	P2 =	2.73	RAM	1.01	1.56	-.61	-.00	1.01	1.01	-.01
	T2 =	418	BLEED	.01	-1.13	1.72	-.15	-.63	.01	.75
	ERI =	0	POWER	-.06	9.32	7.13	.78	4.25	-.06	9.06
.90	NR =	1.00	1.69	3240	5450	1.06	892	28.2	120	1414
	P2 =	3.62	RAM	1.01	1.51	-.55	-.00	1.01	1.01	-.00
	T2 =	453	BLEED	.03	-1.27	1.82	-.17	-.64	.03	.68
	ERI =	0	POWER	-.14	8.11	5.41	.68	3.36	-.14	7.33
1.20	NR =	.991	2.41	5460	5870	1.10	956	36.6	151	1352
	P2 =	5.14	RAM	1.02	1.49	-.52	.00	1.02	1.02	.00
	T2 =	503	BLEED	.06	-1.53	2.15	-.20	-.65	.06	.60
	ERI =	0	POWER	-.21	7.70	4.45	.69	2.77	-.21	6.18

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PRESSURE ALTITUDE 45000 FEET

MO	P2/PO	P8/PO	WFT	T8	AB	FG8	FNB	SFCB	W2K	BTANG
.60	1.28	3.15	4622	1364	1070	6490	4740	.98	470	16.0
	RAM	1.01	1.00	-.01	+.00	1.38	1.52	-.57	.02	.00
	BLEED	-.58	.55	.75	+.00	-.80	-1.11	1.69	.01	.00
	POWER	4.83	16.64	9.06	.06	6.60	9.07	7.39	-.06	.00
.90	1.69	3.95	5804	1414	1070	8790	5550	1.05	454	16.0
	RAM	1.01	1.00	-.00	.00	1.31	1.49	-.53	.01	.00
	BLEED	-.59	.51	.68	.00	-.78	-1.25	1.80	.03	.00
	POWER	3.86	13.67	7.33	.01	4.98	7.98	5.54	-.14	.00
1.20	2.41	4.86	6465	1352	1070	11500	6000	1.08	425	16.0
	RAM	1.02	1.01	.00	.00	1.28	1.51	-.54	.01	.00
	BLEED	-.62	.56	.60	.01	-.78	-1.53	2.15	.06	.00
	POWER	3.12	12.31	6.18	.04	3.92	7.67	4.48	-.21	-39.94

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 45000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	1660	3530	.96	818	20.7	92	1154
	P2 =	2.73	RAM	1.02	1465	-.83	-.01	.99	1.02	-.07
	T2 =	418	BLEED	.04	-1425	2.03	-.17	-.61	.04	.74
	ERI =	0	POWER	-.31	12437	9.01	1.16	5.02	-.31	11.17
.90	NR =	1.00	1.69	2990	3780	1.04	858	25.0	110	1165
	P2 =	3.62	RAM	1.01	1.68	-.75	-.00	1.01	1.01	-.00
	T2 =	453	BLEED	.04	-1449	2.26	-.19	-.63	.04	.68
	ERI =	0	POWER	-.27	12.14	7.06	1.03	4.34	-.27	9.63
1.20	NR =	.991	2.41	4760	3710	1.14	899	29.5	132	1146
	P2 =	5.14	RAM	1.02	1472	-.79	.00	1.02	1.02	.00
	T2 =	503	BLEED	.03	-2402	2.76	-.21	-.69	.03	.57
	ERI =	0	POWER	-.13	12481	5.19	.86	3.83	-.13	8.23
1.50	NR =	.971	3.56	10200	11300	1.20	1098	58.7	226	1722
	P2 =	7.62	RAM	1.04	1435	-.34	-.00	1.04	1.04	-.00
	T2 =	566	BLEED	.04	-1432	1.95	-.17	-.63	.04	.68
	ERI =	0	POWER	-.06	3.86	2.40	.30	1.49	-.06	3.21
1.80	NR =	.945	5.43	16200	14700	1.24	1194	79.7	300	1805
	P2 =	11.61	RAM	1.07	1442	-.39	.00	1.07	1.07	.00
	T2 =	643	BLEED	.04	-1.51	2.14	-.18	-.65	.04	.63
	ERI =	0	POWER	-.05	3123	1.63	.24	1.11	-.05	2.39
2.00	NR =	.925	7.24	21600	16900	1.28	1262	96.2	358	1849
	P2 =	15.48	RAM	1.09	1442	-.35	.00	1.09	1.09	.00
	T2 =	702	BLEED	.03	-1458	2.28	-.19	-.66	.03	.65
	ERI =	0	POWER	-.04	2489	1.34	.20	.93	-.04	2.01
2.30	NR =	.893	11.2	32200	20500	1.34	1371	126.7	466	1910
	P2 =	23.90	RAM	1.12	1448	-.39	-.00	1.12	1.12	-.00
	T2 =	802	BLEED	.02	-1488	2.58	-.15	-.69	.02	.59
	ERI =	0	POWER	-.01	2425	.89	.14	.66	-.01	1.38
2.45	NR =	.876	13.9	38900	22100	1.38	1429	144.3	528	1936
	P2 =	29.64	RAM	1.14	1445	-.35	-.00	1.14	1.14	-.01
	T2 =	857	BLEED	.01	-1.91	2.76	-.14	-.67	.01	.64
	ERI =	0	POWER	-.01	1.96	.72	.08	.54	-.01	1.12

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY PRESSURE ALTITUDE 45000 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.60	1.28	2.67	3384	1154	1095	5260	3600	.94	445	16.0
	RAM	.91	.89	-.07	.02	1.38	1.55	-.71	.02	.00
	BLEED	-.51	.74	.74	+.02	-.80	-1.18	1.95	.04	.00
	POWER	5.51	21.66	11.17	-.12	8.02	11.87	9.51	-.31	.00
.90	1.69	3.20	3934	1185	1095	6830	3830	1.03	419	16.0
	RAM	1.01	.99	-.00	.00	1.38	1.66	-.73	.01	.00
	BLEED	-.56	.72	.68	+.03	-.80	-1.46	2.23	.04	.00
	POWER	5.01	19.46	9.63	+.09	6.65	12.05	7.14	-.27	.00
1.20	2.41	3.79	4245	1146	1095	8540	3780	1.12	371	16.0
	RAM	1.02	1.00	.00	.00	1.34	1.73	-.80	.01	.00
	BLEED	-.66	.66	.57	-.01	-.88	-2.01	2.75	.03	.00
	POWER	4.31	18.24	8.23	-.02	5.57	12.77	5.24	-.13	.00
1.50	3.56	8.09	13534	1722	1095	21700	11600	1.17	454	13.0
	RAM	1.04	1.04	-.00	-.00	1.23	1.39	-.38	.01	.00
	BLEED	-.59	.60	.68	.00	-.69	-1.33	1.96	.04	.00
	POWER	1.74	6.34	3.21	-.01	2.04	3.90	2.37	-.06	.00
1.80	5.43	11.02	18259	1805	1095	31200	14900	1.22	422	4.0
	RAM	1.07	1.06	.00	.00	1.23	1.40	-.36	.01	.00
	BLEED	-.59	.58	.63	+.01	-.69	-1.49	2.12	.04	.00
	POWER	1.29	4.91	2.39	+.01	1.49	3.17	1.68	-.05	.00
2.00	7.24	13.33	21691	1849	1095	38700	17200	1.26	396	4.0
	RAM	1.09	1.09	.00	.00	1.24	1.42	-.35	.01	.00
	BLEED	-.56	.65	.65	+.05	-.68	-1.56	2.27	.03	.00
	POWER	1.08	4.28	2.01	.01	1.25	2.87	1.35	-.04	.00
2.30	11.2	17.61	27563	1910	1095	53000	20800	1.33	356	.0
	RAM	1.12	1.12	-.00	.00	1.25	1.45	-.35	.00	.00
	BLEED	-.67	.62	.59	.02	-.72	-1.87	2.56	.02	.00
	POWER	.77	3.18	1.38	+.00	.87	2.24	.90	-.01	.00
2.45	13.9	20.09	30599	1936	1095	61400	22500	1.36	336	.0
	RAM	1.13	1.13	-.01	.01	1.26	1.47	-.36	.00	.00
	BLEED	-.61	.77	.64	+.02	-.69	-1.90	2.75	.01	.00
	POWER	.64	2.71	1.12	+.02	.71	1.96	.73	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY PRESSURE ALTITUDE 45000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.60	NR =	1.00	1490	2450	1.01	776	17.5	83	1016
	P2 =	2.73	RAM	1.01	1.95	-1.16	-.01	1.01	-.06
	T2 =	418	BLEED	.04	-1.69	2.41	-.20	.04	.62
	ERI =	0	POWER	-.28	18.54	10.12	1.43	-.28	13.94
.90	NR =	1.00	2570	2220	1.15	803	19.8	95	990
	P2 =	3.62	RAM	1.01	2.02	-1.25	-.00	1.01	-.05
	T2 =	453	BLEED	.02	-2.35	3.07	-.22	.02	.52
	ERI =	0	POWER	-.15	20.31	7.66	1.33	-.15	12.40
1.20	NR =	.991	3970	1740	1.40	837	22.4	1.0	944
	P2 =	5.14	RAM	1.02	2.29	-1.60	-.00	1.02	-.05
	T2 =	503	BLEED	.01	-3.08	4.40	-.16	.01	.63
	ERI =	0	POWER	-.07	23.96	3.04	.82	-.07	9.96

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.60	1.28	2.22	2476	1016	1120	4030	2540	.98	400	16.0
	RAM	.93	.90	-.06	.01	1.51	1.80	-.99	.02	.00
	BLEED	-.62	.67	.62	.02	-.98	-1.59	2.31	.04	.00
	POWER	6.85	29.04	13.94	-.04	10.84	17.38	11.26	-.28	.00
.90	1.69	2.49	2548	990	1119	4850	2280	1.12	360	16.0
	RAM	.94	.90	-.05	-.00	1.44	1.92	-1.13	.02	.00
	BLEED	-.72	.61	.52	.05	-1.05	-2.26	2.98	.02	.00
	POWER	5.80	28.32	12.40	.31	9.12	19.58	8.37	-.15	.00
1.20	2.41	2.80	2426	944	1120	5760	1790	1.35	309	16.0
	RAM	.94	.87	-.05	.00	1.39	2.19	-1.48	.01	.00
	BLEED	-.62	1.12	.63	.00	-.92	-2.98	4.29	.01	.00
	POWER	4.80	27.18	9.96	.13	7.15	23.15	3.81	-.07	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	1250	910	1.52	719	13.2	69	813
	P2 =	2.73	RAM	1.02	2137	-2.16	-.02	.92	1.02	-.26
	T2 =	418	BLEED	.01	-2134	3.93	-.14	-.59	.01	.83
	ERI =	0	POWER	-.11	35.22	6.46	1.27	7.84	-.11	15.75
.90	NR =	1.00	1.69	2110	420	2.94	742	14.4	78	767
	P2 =	3.62	RAM	1.02	4153	-5.22	-.02	.93	1.02	-.22
	T2 =	453	BLEED	.01	-6184	9.39	-.16	-.65	.01	.70
	ERI =	0	POWER	-.11	84199	-32.14	1.36	7.73	-.11	15.38
1.20	NR =	.991	2.41	3460	90	13.65	790	17.5	96	751
	P2 =	5.14	RAM	.84	15165	-71.93	-.08	.71	.84	-.28
	T2 =	503	BLEED	-.47	-79.90	-402.52	-.36	-1.42	-.47	.10
	ERI =	100	POWER	-13.43	-397.00	1551.82	-3.91	-13.44	-13.43	.44
1.50	NR =	.971	3.56	10200	8860	1.21	1087	55.7	226	1502
	P2 =	7.62	RAM	1.04	1143	-.43	-.00	1.04	1.04	-.01
	T2 =	566	BLEED	.03	-1.33	2.38	-.09	-.57	.03	.84
	ERI =	0	POWER	-.05	4128	2.38	.26	1.47	-.05	3.15
1.80	NR =	.945	5.43	16300	11400	1.25	1181	75.4	300	1570
	P2 =	11.61	RAM	1.07	1155	-.54	-.00	1.07	1.07	-.01
	T2 =	643	BLEED	.03	-1.49	2.70	-.10	-.55	.03	.86
	ERI =	0	POWER	-.05	4.04	1.57	.24	1.19	-.05	2.55
2.00	NR =	.925	7.24	21600	13000	1.30	1248	91.1	359	1612
	P2 =	15.48	RAM	1.09	1150	-.44	-.00	1.09	1.09	.00
	T2 =	702	BLEED	.03	-1165	2.86	-.11	-.58	.03	.81
	ERI =	0	POWER	-.03	3115	1.25	.12	.89	-.03	1.87
2.30	NR =	.893	11.2	32300	15500	1.38	1360	120.2	466	1677
	P2 =	23.90	RAM	1.12	1.52	-.46	-.00	1.11	1.12	-.01
	T2 =	802	BLEED	.02	-1.92	3.23	-.13	-.60	.02	.77
	ERI =	0	POWER	-.01	2.80	.83	.10	.70	-.01	1.44
2.45	NR =	.876	13.9	38900	16400	1.43	1417	136.9	528	1701
	P2 =	29.64	RAM	1.14	1160	-.48	.00	1.14	1.14	.01
	T2 =	857	BLEED	.01	-2.28	3.53	-.14	-.64	.01	.68
	ERI =	0	POWER	-.01	2.68	.66	.10	.62	-.01	1.27

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY PRESSURE ALTITUDE 45000 FEET

MO	P2/RO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.60	1.28	1.56	1380	813	1258	2300	1050	1.31	335	13.0
	RAM .60	.46	-.26	-.01	1.51	2.10	-1.83	.02	.00	
	BLEED -.34	1.45	.83	+.05	-.92	-2.02	3.58	.01	.00	
	POWER 5.75	42.00	15.75	-.32	14.07	30.90	10.63	-.11	.00	
.90	1.69	1.66	1237	767	1257	2680	570	2.19	296	13.0
	RAM .67	.48	-.22	-.00	1.51	3.37	-3.47	.02	.00	
	BLEED -.47	1.58	.70	.01	-1.06	-5.07	7.20	.01	.00	
	POWER 5.86	48.67	15.38	.02	13.17	62.75	-12.84	-.11	.00	
1.20	2.41	1.95	1200	751	1258	3680	220	5.46	269	16.0
	RAM .60	.00	-.28	.00	1.10	5.33	-7.27	-.18	.00	
	BLEED -1.21	.00	.10	.00	-2.23	-29.99	54.52	-.47	.00	
	POWER -11.54	.00	.44	.20	-21.03	-140.34	190.4	-13.43	.00	
1.50	3.56	6.50	10762	1502	1257	19400	9170	1.17	455	13.0
	RAM 1.04	1.02	-.01	.00	1.25	1.48	-.50	.01	.00	
	BLEED -.51	1.00	.84	+.00	-.62	-1.34	2.39	.03	.00	
	POWER 1.64	6.74	3.15	.05	2.02	4.32	2.34	-.05	.00	
1.80	5.43	8.84	14266	1570	1258	27900	11600	1.23	423	4.0
	RAM 1.06	1.05	-.01	.01	1.24	1.48	-.47	.01	.00	
	BLEED -.50	1.15	.86	-.00	-.58	-1.44	2.65	.03	.00	
	POWER 1.38	5.68	2.55	+.01	1.60	3.91	1.70	-.05	.00	
2.00	7.24	10.71	16848	1612	1258	34800	13200	1.27	396	4.0
	RAM 1.09	1.09	.00	+.00	1.25	1.52	-.46	.01	.00	
	BLEED -.53	1.14	.81	.00	-.61	-1.64	2.85	.03	.00	
	POWER 1.02	4.46	1.87	+.00	1.17	3.13	1.27	-.03	.00	
2.30	11.2	14.19	21289	1677	1257	48000	15800	1.35	356	.0
	RAM 1.10	1.09	-.01	.02	1.25	1.52	-.47	.00	.00	
	BLEED -.50	1.22	.77	+.06	-.61	-1.91	3.21	.02	.00	
	POWER .80	3.67	1.44	-.01	.90	2.78	.85	-.01	.00	
2.45	13.9	16.20	23422	1701	1257	55700	16800	1.40	336	.0
	RAM 1.16	1.16	.01	+.01	1.28	1.61	-.49	-.00	.00	
	BLEED -.58	1.13	.68	+.02	-.67	-2.26	3.50	.01	.00	
	POWER .69	3.38	1.27	.01	.79	2.65	.69	-.01	.00	

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GENERAL ELECTRIC GE4/J5C ESTIMATED PERFORMANCE

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STANDARD DAY PRESSURE ALTITUDE 45000 FEET

MO		P2/P0	FD	FN	WFT	TE	PE	W2
.90	NR =	1.00	2110	160	1200	734	13.7	78
	P2 =	3.62	RAM .82	6.67	.00	-.09	.67	.82
	T2 =	453	BLEED -.55	-30.66	.00	-.36	-1.43	-.55
	ERI =	100	POWER -17.63	-215.75	.00	-5.00	-16.96	-17.63
1.20	NR =	.991	3500	-200	1200	785	17.0	97
	P2 =	5.14	RAM .85	-5.28	.00	-.08	.72	.85
	T2 =	503	BLEED -.52	32.13	.00	-.35	-1.46	-.52
	ERI =	100	POWER -13.35	132.57	.00	-4.03	-13.36	-13.35
1.50	NR =	.971	5620	-560	1200	853	21.9	124
	P2 =	7.62	RAM .87	-2.38	.00	-.07	.76	.87
	T2 =	566	BLEED -.43	16.67	.00	-.34	-1.42	-.43
	ERI =	100	POWER -9.28	47.46	.00	-2.87	-9.61	-9.28

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

NO	P2/PO	TC	P8/PO	T8	PCN	FG8	FNB	W2K	BTANG
.90	1.69	758	1.48	758	74.9	2350	250	295	13.0
	RAM	-.33	.43	-.33	-.08	1.17	4.17	-.19	.00
	BLEED	.26	-.94	.26	-.20	-2.53	-19.46	-.55	.00
	POWER	2.30	-11.31	2.30	-6.51	-29.97	-135.23	-17.63	.00
1.20	2.41	748	1.72	748	76.5	3390	-110	272	13.0
	RAM	-.28	.56	-.28	-.07	1.18	-9.09	-.17	.00
	BLEED	.12	-1.15	.12	-.19	-2.42	56.29	-.52	.00
	POWER	.42	-9.94	.42	-4.70	-21.51	230.00	-13.35	.00
1.50	3.56	758	2.16	758	78.5	5130	-490	251	13.0
	RAM	-.22	.74	-.22	-.07	1.19	-2.51	-.17	.00
	BLEED	-.03	-1.40	-.03	-.17	-2.24	18.61	-.43	.00
	POWER	-.74	-9.40	-.74	-3.49	-15.05	51.39	-9.28	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

MO		P2/P0	FD	FN	WFT	TE	PE	W2
.90	NR =	1.00	1040	-620	200	565	5.4	38
	P2 =	3.62	2.50	1.33	.00	.45	2.29	2.50
	T2 =	453	-1.04	.82	.00	-.63	-1.98	-1.04
	ERI =	111	POWER-113.97	-50.50	.00	-35.14	-114.52	-113.97
1.20	NR =	.991	2460	-1170	200	688	10.0	68
	P2 =	5.14	1.49	.20	.02	.18	1.51	1.49
	T2 =	503	-.72	2.19	-.08	-.56	-1.89	-.72
	ERI =	100	POWER -31.32	3.85	-1.42	-11.66	-35.66	-31.32
1.50	NR =	.971	4720	-1520	331	799	16.5	104
	P2 =	7.62	1.15	-.56	1.17	.04	1.17	1.15
	T2 =	566	-.60	4.55	-1.81	-.45	-1.81	-.60
	ERI =	100	POWER -15.32	15.49	-17.95	-5.25	-17.95	-15.32

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

MO	P2/P0	TC	P8/P0	T8	PCN	FGB	FNB	W2K	BTANG
.90	1.69	546	1.08	546	56.1	450	-590	146	13.0
	RAM	-.49	.33	-.49	1.08	4.23	1.18	1.58	.00
	BLEED	.16	-.30	.16	-.72	-3.79	1.06	-1.04	.00
	POWER	7.07	-15.71	7.07	-78.66	-207.57	-42.63	-113.97	.00
1.20	2.41	555	1.26	555	66.8	1370	-1090	191	13.0
	RAM	-.14	.58	-.14	.18	2.59	.11	.50	.00
	BLEED	-.19	-.72	-.19	-.26	-3.26	2.49	-.72	.00
	POWER	-4.90	-13.59	-4.90	-11.20	-61.53	6.67	-31.32	.00
1.50	3.56	625	1.70	625	73.3	3290	-1430	210	13.0
	RAM	.01	.87	.01	.05	1.91	-.58	.13	.00
	BLEED	-.40	-1.34	-.40	-.25	-2.96	4.79	-.60	.00
	POWER	-4.71	-13.10	-4.71	-5.89	-29.03	16.14	-15.32	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

MO		R2/PO	FD	FN	SFC	TE	PE	W2	TC	
.90	NR =	1.00	1.69	3400	12300	1.89	1032	33.0	120	2059
	P2 =	3.62	RAM	1.01	1.30	-.36	-.00	1.01	1.01	.00
	T2 =	500	BLEED	.02	-1.67	.92	-.33	-.97	.02	.01
	ERI =	0	POWER	-.00	-1.84	2.64	.07	.23	-.00	.00
1.20	NR =	.991	2.41	5860	15600	1.88	1098	42.7	155	2059
	P2 =	5.15	RAM	1.02	1.39	-.45	-.00	1.02	1.02	.00
	T2 =	554	BLEED	.07	-1.79	1.09	-.26	-.91	.07	.00
	ERI =	0	POWER	-.02	-1.00	1.67	.06	.24	-.02	.02
1.50	NR =	.971	3.57	9610	19900	1.87	1182	56.1	203	2059
	P2 =	7.63	RAM	1.04	1.31	-.33	.00	1.04	1.04	.00
	T2 =	624	BLEED	.09	-1.82	1.13	-.27	-.89	.09	-.01
	ERI =	0	POWER	-.01	-1.06	1.57	.05	.18	-.01	-.01
2.00	NR =	.925	7.25	20000	27200	1.84	1345	87.4	316	2059
	P2 =	15.50	RAM	1.09	.75	-.78	.00	1.09	1.09	.00
	T2 =	774	BLEED	.03	-1.67	1.72	-.25	-.94	.03	.01
	ERI =	0	POWER	-.00	-.89	.90	.03	.14	-.00	.00
2.30	NR =	.893	11.2	29700	28500	1.75	1457	112.9	409	2059
	P2 =	23.94	RAM	1.13	.64	-.66	.00	1.13	1.13	.00
	T2 =	883	BLEED	.02	-1.94	1.99	-.18	-.94	.02	.01
	ERI =	0	POWER	-.00	-1.71	.72	.02	.11	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC G84/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

MO	P2/P0	P8/P0	HFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.90	11.69	5.42	23234	3470	1297	15900	12500	1.86	477	13.0
	RAM	1.01	.96	.01	-.00	1.26	1.33	-.39	.02	.00
	BLEED	-1.33	-.78	-.05	.34	-1.31	-1.68	.93	.02	.00
	POWER	-4.97	.78	-.30	4.38	-1.25	-1.59	2.39	-.00	.00
1.20	2.41	6.81	29237	3479	1333	21700	15800	1.85	456	4.0
	RAM	1.02	.98	.01	-.00	1.23	1.31	-.36	.01	.00
	BLEED	-1.39	-.73	-.05	.43	-1.24	-1.73	1.02	.07	.00
	POWER	-3.38	.65	-.22	3.22	-.81	-1.11	1.78	-.02	.00
1.50	3.57	8.62	37248	3487	1377	29700	20100	1.85	428	4.0
	RAM	1.04	1.01	-.02	-.01	1.22	1.30	-.32	.01	.00
	BLEED	-1.36	-.72	-.04	.43	-1.17	-1.77	1.08	.09	.00
	POWER	-2.69	.49	-.23	2.53	-.60	-.88	1.38	-.01	.00
2.00	7.25	12.84	50000	3290	1385	47500	27600	1.81	366	.0
	RAM	1.13	-.00	-.63	-.42	.88	.73	-.76	.01	.00
	BLEED	-1.44	.00	.38	.71	-.93	-1.62	1.66	.03	.00
	POWER	-1.80	.00	-.38	1.56	-.47	-.80	.81	-.00	.00
2.30	11.2	16.31	50000	2902	1308	58800	29100	1.72	327	.0
	RAM	1.17	.00	-.67	-.41	.90	.67	-.69	.01	.00
	BLEED	-1.60	.00	.36	.83	-.96	-1.96	2.02	.02	.00
	POWER	-1.39	.00	-.30	1.22	-.34	-.68	.69	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.90	NR =	1.00	1.69	3400	8800	1.21	1037	33.5	120	2059
	P2 =	3.62	RAM	1.01	1.33	-.35	-.00	1.01	1.01	.00
	T2 =	500	BLEED	.02	-1.79	1.17	-.33	-.96	.02	-.01
	ERI =	0	POWER	-.00	-1.30	2.85	.07	.22	-.00	.00
1.20	NR =	.991	2.41	5850	10100	1.24	1103	43.3	154	2059
	P2 =	5.15	RAM	1.02	1.37	-.38	-.00	1.02	1.02	.00
	T2 =	554	BLEED	.09	-1.90	1.38	-.26	-.89	.09	-.00
	ERI =	0	POWER	-.02	-.82	2.04	.05	.20	-.02	-.00
1.50	NR =	.971	3.57	9600	12200	1.29	1187	56.8	202	2059
	P2 =	7.63	RAM	1.04	1.31	-.29	-.00	1.04	1.04	-.00
	T2 =	624	BLEED	.09	-2.04	1.58	-.26	-.87	.09	.01
	ERI =	0	POWER	-.02	-.83	1.79	.04	.18	-.02	.00
2.00	NR =	.925	7.25	20000	16100	1.37	1350	88.6	316	2059
	P2 =	15.50	RAM	1.09	1.45	-.39	.00	1.09	1.09	.00
	T2 =	774	BLEED	.03	-2.65	2.18	-.25	-.93	.03	-.01
	ERI =	0	POWER	-.00	-.48	1.16	.03	.13	-.00	.00
2.30	NR =	.893	11.2	29700	18200	1.44	1461	114.5	408	2059
	P2 =	23.94	RAM	1.13	1.45	-.35	.00	1.13	1.13	.00
	T2 =	883	BLEED	.02	-3.11	2.71	-.18	-.93	.02	-.01
	ERI =	0	POWER	-.00	-.32	.89	.02	.11	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.90	1.69	5.65	10059	2059	926	11800	8450	1.19	476	16.0
	RAM	1.01	1.01	.00	-.00	1.25	1.34	-.35	.02	.00
	BLEED	-1.30	-.65	-.01	.32	-1.27	-1.79	1.18	.02	.00
	POWER	-4.33	1.53	.00	4.24	-.98	-1.37	2.92	-.00	.00
1.20	2.41	7.11	12532	2059	948	16000	10200	1.23	456	13.0
	RAM	1.02	1.02	.00	-.00	1.22	1.33	-.34	.01	.00
	BLEED	-1.37	-.56	-.00	.45	-1.18	-1.90	1.38	.09	.00
	POWER	-3.26	1.21	-.00	3.19	-.64	-.99	2.21	-.02	.00
1.50	3.57	9.02	15671	2059	978	22000	12400	1.27	428	13.0
	RAM	1.04	1.04	-.00	.00	1.22	1.35	-.34	.01	.00
	BLEED	-1.30	-.51	.01	.39	-1.12	-2.06	1.60	.09	.00
	POWER	-2.46	.95	.00	2.40	-.42	-.73	1.69	-.02	.00
2.00	7.25	13.43	21980	2059	1020	36300	16300	1.35	366	4.0
	RAM	1.09	1.09	.00	.00	1.24	1.41	-.35	.01	.00
	BLEED	-1.39	-.55	-.01	.42	-1.15	-2.60	2.13	.03	.00
	POWER	-1.71	.67	.00	1.67	-.22	-.49	1.17	-.00	.00
2.30	11.2	16.99	26163	2059	1040	48300	18600	1.41	327	.0
	RAM	1.13	1.13	.00	.00	1.26	1.48	-.37	.01	.00
	BLEED	-1.56	-.52	-.01	.57	-1.16	-3.05	2.65	.02	.00
	POWER	-1.33	.56	.00	1.30	-.15	-.39	.96	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	1760	4920	1.07	934	23.0	93	1570
	P2 =	2.73	RAM	1.01	1.56	-.60	-.00	1.01	1.01	-.00
	T2 =	461	BLEED	.01	-1.17	1.67	-.17	-.66	.01	.69
	ERI =	0	POWER	-.08	9.41	7.21	1.04	4.30	-.08	9.15
.90	NR =	1.00	1.69	3250	5830	1.13	986	28.8	114	1625
	P2 =	3.62	RAM	1.01	1.49	-.53	-.00	1.01	1.01	-.00
	T2 =	500	BLEED	.03	-1.23	1.78	-.16	-.64	.03	.68
	ERI =	0	POWER	-.16	7.91	5.43	.74	3.29	-.16	7.24
1.20	NR =	.991	2.41	5550	7220	1.20	1057	37.6	146	1694
	P2 =	5.15	RAM	1.02	1.47	-.48	-.00	1.02	1.02	-.00
	T2 =	554	BLEED	.04	-1.36	1.93	-.18	-.64	.04	.66
	ERI =	0	POWER	-.18	6.80	3.96	.60	2.52	-.18	5.73

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FN8	SFCB	WZK	BTANG
.60	1.28	3.33	5254	1570	1045	6810	5050	1.04	471	16.0
	RAM	1.01	1.00	-.00	.00	1.37	1.49	-.52	.02	.00
	BLEED	-.60	.48	.69	-.00	-.83	-1.12	1.62	.01	.00
	POWER	5.02	1.82	9.15	-.04	6.67	9.02	7.59	-.08	.00
.90	1.69	4.18	6612	1625	1045	9200	5940	1.11	456	16.0
	RAM	1.01	1.00	-.00	-.00	1.30	1.46	-.49	.01	.00
	BLEED	-.60	.51	.68	.01	-.77	-1.21	1.75	.03	.00
	POWER	3.97	13.50	7.24	-.11	4.94	7.74	5.59	-.16	.00
1.20	2.41	5.46	8644	1694	1045	12900	7350	1.18	432	13.0
	RAM	1.02	1.02	-.00	-.00	1.26	1.44	-.45	.01	-4.62
	BLEED	-.60	.53	.66	.01	-.73	-1.32	1.89	.04	.00
	POWER	3.00	10.90	5.73	.00	3.68	6.60	4.16	-.18	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.9

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	1680	4170	1.05	905	21.1	89	1439
	P2 =	2.73	RAM	1.02	1.55	-.71	-.01	.98	1.02	-.08
	T2 =	461	BLEED	.03	-1.21	1.76	-.17	-.63	.03	.70
	ERI =	0	POWER	-.18	10.10	7.47	.90	4.39	-.18	9.53
.90	NR =	1.00	1.69	3070	4750	1.13	954	26.0	108	1478
	P2 =	3.62	RAM	1.01	1.57	-.61	-.00	1.01	1.01	-.00
	T2 =	500	BLEED	.04	-1.37	1.89	-.18	-.65	.04	.64
	ERI =	0	POWER	-.20	9.59	5.90	.81	3.71	-.20	8.28
1.20	NR =	.991	2.41	4970	5050	1.21	1003	31.4	131	1469
	P2 =	5.15	RAM	1.02	1.59	-.62	.00	1.02	1.02	.00
	T2 =	554	BLEED	.03	-1.73	2.21	-.20	-.70	.03	.55
	ERI =	0	POWER	-.13	9.38	4.42	.72	3.20	-.13	6.92

CONFIDENTIAL

GENERAL ELECTRIC GE4/J56 ESTIMATED PERFORMANCE

P.S. 7.9

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FN8	SFC8	W2K	BTANG
.60	1.28	2.97	4403	1439	1068	5970	4280	1.03	451	16.0
	RAM	.91	.89	-.08	.01	1.33	1.45	-.61	.02	.00
	BLEED	-.57	.52	.70	.02	-.82	-1.15	1.71	.03	.00
	POWER	4.83	17.78	9.53	-.03	6.86	9.63	7.94	-.18	.00
.90	1.69	3.66	5374	1478	1068	7920	4850	1.11	430	16.0
	RAM	1.01	1.00	-.00	.00	1.34	1.54	-.58	.01	.00
	BLEED	-.60	.48	.64	-.00	-.81	-1.35	1.87	.04	.00
	POWER	4.38	15.68	8.28	-.03	5.69	9.42	6.07	-.20	.00
1.20	2.41	4.42	6110	1469	1068	10100	5150	1.19	386	16.0
	RAM	1.02	1.02	.00	-.00	1.30	1.57	-.60	.01	.00
	BLEED	-.66	.43	.55	-.00	-.85	-1.70	2.18	.03	.00
	POWER	3.68	13.97	6.92	-.00	4.64	9.23	4.57	-.13	.00

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GENERAL ELECTRIC GE4/15G ESTIMATED PERFORMANCE

P.S. 8.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

MC		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.60	NR =	1.00	1.28	1670	4090	1.05	902	20.9	88	1425
	P2 =	2.73	RAM	1.02	1.56	-.72	-.01	.98	1.02	-.08
	T2 =	461	BLEED	.04	-1.22	1.77	-.17	-.63	.04	.69
	ERI =	0	POWER	-.20	10.36	7.54	.93	4.46	-.20	9.71
.90	NR =	1.00	1.69	3030	4170	1.10	953	25.8	107	1351
	P2 =	3.62	RAM	1.01	1.62	-.71	-.00	1.01	1.01	-.02
	T2 =	500	BLEED	.05	-1.41	2.12	-.19	-.62	.05	.68
	ERI =	0	POWER	-.30	10.90	6.35	.99	3.98	-.30	8.93
1.20	NR =	.991	2.41	4870	4750	1.22	995	30.5	128	1437
	P2 =	5.15	RAM	1.02	1.61	-.65	.00	1.02	1.02	.00
	T2 =	554	BLEED	.03	-1.79	2.27	-.21	-.70	.03	.54
	ERI =	0	POWER	-.12	10.02	4.44	.76	3.36	-.12	7.20

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GENERAL ELECTRIC GE4/J56 ESTIMATED PERFORMANCE

P.S. 8.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFC8	W2K	BTANG
.60	1.28	2.93	4310	1425	1070	5870	4190	1.03	448	16.0
	RAM	.91	.89	-.08	.01	1.34	1.47	-.62	.02	.00
	BLEED	-.57	.52	.69	.02	-.83	-1.17	1.72	.04	.00
	POWER	4.91	18.11	9.71	-.09	6.99	9.86	8.03	-.20	.00
.90	1.69	3.43	4597	1351	1070	7300	4270	1.08	425	16.0
	RAM	.99	.97	-.02	.02	1.34	1.56	-.65	.01	.00
	BLEED	-.55	.67	.68	-.03	-.77	-1.36	2.07	.05	.00
	POWER	4.66	17.48	8.93	-.10	6.08	10.61	6.64	-.30	.00
1.20	2.41	4.27	5774	1437	1070	9720	4850	1.19	379	16.0
	RAM	1.02	1.01	.00	.00	1.31	1.59	-.63	.01	.00
	BLEED	-.67	.42	.54	-.00	-.86	-1.76	2.24	.03	.00
	POWER	3.85	14.63	7.20	-.02	4.86	9.87	4.59	-.12	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.90	NR =	1.00	1.69	2660	2650	1.17	898	21.0	93	1155
	P2 =	3.62	RAM	1.01	1.88	-1.09	-.01	.99	1.01	-.06
	T2 =	500	BLEED	.03	-1.94	2.71	-.21	-.68	.03	.61
	ERI =	0	POWER	-.19	17.13	7.13	1.18	5.27	-.19	11.27
1.20	NR =	.991	2.41	4120	2590	1.35	931	23.5	108	1192
	P2 =	5.15	RAM	1.02	1.98	-1.11	-.00	1.02	1.02	-.01
	T2 =	554	BLEED	.01	-2.32	3.22	-.16	-.67	.01	.64
	ERI =	0	POWER	-.06	17.50	4.04	.75	4.48	-.06	9.30
1.50	NR =	.971	3.57	9630	9850	1.26	1172	53.8	203	1789
	P2 =	7.63	RAM	1.04	1.39	-.38	-.00	1.04	1.04	-.00
	T2 =	624	BLEED	.04	-1.45	2.04	-.18	-.65	.04	.62
	ERI =	0	POWER	-.08	4.47	2.59	.35	1.64	-.08	3.53
2.00	NR =	.925	7.25	20000	13900	1.36	1340	85.7	316	1896
	P2 =	15.50	RAM	1.09	1.50	-.44	.00	1.09	1.09	.00
	T2 =	774	BLEED	.02	-2.04	2.51	-.20	-.73	.02	.47
	ERI =	0	POWER	-.02	3.17	1.35	.21	.96	-.02	2.03
2.30	NR =	.893	11.2	29700	16300	1.44	1456	112.0	409	1948
	P2 =	23.94	RAM	1.13	1.52	-.42	.00	1.13	1.13	.00
	T2 =	883	BLEED	.01	-2.09	2.90	-.15	-.69	.01	.60
	ERI =	0	POWER	-.01	2.62	.86	.11	.69	-.01	1.43

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.90	1.69	2.71	3084	1155	1095	5370	2720	1.14	372	16.0
	RAM	.93	.89	-.06	.00	1.39	1.75	-.94	.02	.00
	BLEED	-.60	.69	.61	-.01	-.92	-1.84	2.60	.03	.00
	POWER	5.61	24.57	11.27	-.06	8.21	16.42	7.82	-.19	.00
1.20	2.41	3.18	3494	1192	1095	6760	2650	1.32	320	16.0
	RAM	1.01	.99	-.01	.01	1.38	1.95	-1.07	.01	.00
	BLEED	-.64	.79	.64	-.01	-.88	-2.27	3.17	.01	.00
	POWER	4.86	21.74	9.30	.09	6.66	17.12	4.41	-.06	.00
1.50	3.57	7.43	12402	1789	1095	19700	10000	1.24	429	13.0
	RAM	1.04	1.04	-.00	-.00	1.24	1.43	-.42	.01	.00
	BLEED	-.61	.55	.62	.01	-.72	-1.46	2.05	.04	.00
	POWER	1.92	7.15	3.53	-.03	2.26	4.50	2.56	-.08	.00
2.00	7.25	11.92	18895	1896	1094	34100	14100	1.34	366	4.0
	RAM	1.09	1.10	.00	-.00	1.25	1.47	-.40	.01	.00
	BLEED	-.77	.39	.47	.07	-.81	-2.00	2.46	.02	.00
	POWER	1.06	4.58	2.03	.05	1.28	3.13	1.39	-.02	.00
2.30	11.2	19.61	23450	1948	1095	46300	16600	1.41	327	.0
	RAM	1.13	1.13	.00	-.00	1.27	1.52	-.42	.01	.00
	BLEED	-.65	.72	.60	.00	-.72	-2.04	2.85	.01	.00
	POWER	.80	3.52	1.43	.00	.91	2.56	.92	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
.90	NR =	1.00	1.69	2040	300	4.01	807	13.7	72	829
	P2 =	3.62	RAM	.86	3170	-4.54	-.07	.72	.86	-.35
	T2 =	500	BLEED	-.65	-16128	21.54	-.38	-1.53	-.65	.29
	ERI =	100	POWER	-18.24	-113.71	137.12	-5.12	-17.54	-18.24	2.55
1.20	NR =	.991	2.41	3230	550	-22.185	844	15.5	85	831
	P2 =	5.15	RAM	.87	-21163	10.39	-.07	.73	.87	-.29
	T2 =	554	BLEED	-.48	113.29	-41.97	-.34	-1.39	-.46	.14
	ERI =	100	POWER	-14.18	561.47	-288.47	-4.12	-14.09	-14.18	.72
1.50	NR =	.971	3.57	9650	7590	1.29	1159	51.0	204	1559
	P2 =	7.63	RAM	1.04	1.49	-.50	-.00	1.04	1.04	-.01
	T2 =	624	BLEED	.03	-1139	2.56	-.09	-.55	.03	.86
	ERI =	0	POWER	-.06	5.06	2.53	.27	1.62	-.06	3.49
2.00	NR =	.925	7.25	20000	10400	1.40	1329	81.3	316	1662
	P2 =	15.50	RAM	1.09	1.63	-.59	.00	1.09	1.09	.00
	T2 =	774	BLEED	.02	-1197	3.19	-.12	-.61	.02	.74
	ERI =	0	POWER	-.02	4.02	1.20	.15	1.02	-.02	2.12
2.30	NR =	.893	11.2	29700	11900	1.50	1444	106.2	409	1711
	P2 =	23.94	RAM	1.13	1.74	-.66	.00	1.13	1.13	.00
	T2 =	893	BLEED	.01	-2.47	3.78	-.13	-.64	.01	.68
	ERI =	0	POWER	-.01	3.66	.73	.13	.80	-.01	1.63

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 11.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

MO	P2/PO	P8/PO	WFT	T8	AB	FG8	FN8	SFCB	W2K	BTANG
.90	1.69	1.61	1200	829	1256	2480	450	2.69	286	13.0
	RAM	.48	.00	-.35	.00	1.16	2.54	-2.91	-.14	.00
	BLEED	-1.05	.00	.29	.00	-2.51	-11.03	13.22	-.65	.00
	POWER	-12.42	.00	2.55	.70	-29.02	-78.36	88.8-18.24		.00
1.20	2.41	1.84	1200	831	1257	3310	80	14.73	252	13.0
	RAM	.60	.00	-.29	-.00	1.17	13.17	-38.59	-.15	.00
	BLEED	-1.15	.00	.14	.00	-2.24	-72.78	-793.58	-.46	.00
	POWER	-11.58	.00	.72	.13	-22.42	-349.40	849.9-14.18		.00
1.50	3.57	3.98	9772	1559	1257	17500	7820	1.25	430	13.0
	RAM	1.04	1.02	-.01	.00	1.26	1.54	-.56	.01	.00
	BLEED	-.50	1.12	.88	.00	-.61	-1.39	2.57	.03	.00
	POWER	1.79	7.88	3.49	.07	2.25	5.10	2.49	-.06	.00
2.00	7.25	9.59	14625	1662	1257	30700	10700	1.37	366	4.0
	RAM	1.09	1.08	.00	-.00	1.26	1.59	-.55	.01	.00
	BLEED	-.57	1.12	.74	.00	-.66	-1.93	3.14	.02	.00
	POWER	1.17	5.28	2.12	-.01	1.35	3.93	1.29	-.02	.00
2.30	11.2	12.58	17837	1711	1257	41900	12200	1.47	328	.0
	RAM	1.13	1.13	.00	+.00	1.28	1.66	-.58	.01	.00
	BLEED	-.62	1.17	.68	.01	-.69	-2.41	3.71	.01	.00
	POWER	.88	4.44	1.83	.03	1.02	3.56	.83	-.01	.00

12. 55000 FEET

PREVIOUS PAGE WAS BLANK, THEREFORE WAS NOT FILLED.

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 55000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.90	NR =	1.00	1.69	2140	8230	1.88	964	21.4	79	1989
	P2 =	2.24	RAM	1.02	1129	-.37	-.00	1.02	1.02	.00
	T2 =	453	BLEED	.01	-1.67	.92	-.33	-.98	.01	-.00
	ERI =	100	POWER	-.00	-2188	4.10	.11	.36	-.00	-.00
1.20	NR =	.991	2.41	3770	11100	1.85	1035	28.8	104	2059
	P2 =	3.18	RAM	1.02	1132	-.39	-.00	1.02	1.02	.00
	T2 =	503	BLEED	.03	-1.71	.97	-.30	-.96	.03	.01
	ERI =	0	POWER	-.01	-1132	2.23	.08	.26	-.01	.00
1.50	NR =	.971	3.56	6240	14400	1.82	1112	38.2	138	2059
	P2 =	4.71	RAM	1.04	1129	-.31	-.00	1.04	1.04	.00
	T2 =	566	BLEED	.07	-1.70	.99	-.26	-.91	.07	-.01
	ERI =	0	POWER	-.02	-1.09	1.83	.07	.28	-.02	.00
1.80	NR =	.945	5.43	9970	18500	1.82	1204	50.9	184	2059
	P2 =	7.18	RAM	1.07	1133	-.31	.00	1.07	1.07	.00
	T2 =	643	BLEED	.07	-1.84	1.15	-.26	-.90	.07	.01
	ERI =	0	POWER	-.02	-1.07	1.64	.05	.21	-.02	.00
2.00	NR =	.925	7.24	13300	21500	1.84	1269	61.0	220	2059
	P2 =	9.57	RAM	1.09	1126	-.21	-.00	1.09	1.09	.00
	T2 =	702	BLEED	.05	-1.87	1.16	-.25	-.93	.05	-.00
	ERI =	0	POWER	-.01	-1.80	1.29	.04	.18	-.01	.00
2.30	NR =	.893	11.2	19900	26100	1.90	1374	79.4	287	2059
	P2 =	14.78	RAM	1.13	1.28	-.19	.00	1.13	1.13	.00
	T2 =	802	BLEED	.03	-2129	1.10	-.23	-.95	.03	-.01
	ERI =	0	POWER	-.00	-2186	-.64	.03	.15	-.00	.00
2.50	NR =	.870	14.9	25500	27000	1.85	1450	93.8	339	2059
	P2 =	19.69	RAM	1.16	.63	-.66	.00	1.16	1.16	.00
	T2 =	876	BLEED	.02	-1.84	1.89	-.18	-.94	.02	-.01
	ERI =	0	POWER	-.00	-.85	.86	.02	.14	-.00	.00
2.70	NR =	.846	19.8	32200	27300	1.83	1524	109.2	396	2059
	P2 =	26.13	RAM	1.18	153	-.52	.00	1.18	1.18	-.00
	T2 =	955	BLEED	.02	-2103	2.09	-.20	-.95	.02	-.01
	ERI =	0	POWER	-.00	-.82	.83	.02	.12	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

55000 FEET

MO	P2/PO	R8/PO	WFT.	T8	A8	FG8	FNB	SFC8	W2K	BTANG
.90	16.69	5.73	15454	3391	1293	10500	8390	1.84	484	13.0
	RAM	1.02	.94	.02	.00	1.26	1.32	-.41	.02	.00
	BLEED	-1.36	-.78	-.08	.33	-1.34	-1.68	.93	.01	.00
	POWER	-7.13	1.18	-.63	6.74	-1.97	-2.47	3.68	-.00	.00
1.20	2.41	7.64	20417	3466	1297	15000	11200	1.82	474	4.0
	RAM	1.02	.96	.01	.00	1.22	1.29	-.35	.02	.00
	BLEED	-1.37	-.77	-.06	.37	-1.26	-1.70	.96	.03	.00
	POWER	-5.23	.89	-.42	4.98	-1.21	-1.62	2.52	-.01	.00
1.50	3.56	9.79	26200	3477	1340	20700	14500	1.81	450	4.0
	RAM	1.05	1.00	.01	+.00	1.22	1.30	-.32	.01	.00
	BLEED	-1.38	-.73	-.05	.43	-1.18	-1.72	1.01	.07	.00
	POWER	-3.78	.73	-.25	3.61	-.75	-1.07	1.80	-.02	.00
1.80	5.43	12.56	33747	3488	1387	28700	18700	1.80	419	.0
	RAM	1.07	1.03	.02	.01	1.23	1.32	-.31	.01	.00
	BLEED	-1.36	-.72	-.08	.39	-1.16	-1.81	1.12	.07	.00
	POWER	-3.01	.56	-.37	2.76	-.63	-.96	1.53	-.02	.00
2.00	7.24	14.74	39490	3482	1410	35100	21800	1.81	393	.0
	RAM	1.10	1.06	-.02	+.01	1.23	1.31	-.27	.01	.00
	BLEED	-1.45	-.75	-.05	.47	-1.16	-1.90	1.19	.05	.00
	POWER	-2.59	.48	-.26	2.41	-.47	-.76	1.25	-.01	.00
2.30	11.2	18.67	49606	3469	1443	46900	27000	1.83	355	.0
	RAM	1.13	1.10	-.01	+.01	1.25	1.35	-.26	.01	.00
	BLEED	-1.48	-1.22	-.30	.32	-1.32	-2.32	1.13	.03	.00
	POWER	-1.88	-3.48	-2.32	.41	-1.68	-2.90	-.60	-.00	.00
2.50	14.9	21.82	50000	3217	1394	53800	28300	1.77	329	.0
	RAM	1.20	.00	-.67	+.44	.90	.67	-.69	.01	.00
	BLEED	-1.64	.00	.36	.87	-.93	-1.78	1.83	.02	.00
	POWER	-1.69	.00	-.37	1.46	-.39	-.74	.74	-.00	.00
2.70	19.8	25.44	50000	3006	1338	61100	28900	1.73	302	.0
	RAM	1.22	.00	-.62	+.39	.91	.60	-.58	.00	.00
	BLEED	-1.55	.00	.36	.78	-.92	-1.95	2.01	.02	.00
	POWER	-1.45	.00	-.32	1.27	-.32	-.67	.68	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 55000 FEET

MO		P2/PO	FO	FN	SFC	TE	PE	W2	TC	
.90	NR =	1.00	1.69	2140	7630	1.65	965	21.5	79	1989
	P2 =	2.24	RAM	1.02	1128	-.35	-.00	1.02	1.02	-.00
	T2 =	453	BLEED	.01	-1.67	.94	-.33	-.98	.01	-.00
	ERI =	100	POWER	-.00	-2.79	4.20	.11	.36	-.00	-.00
1.20	NR =	.991	2.41	3770	10000	1.66	1036	28.9	104	2059
	P2 =	3.18	RAM	1.02	1127	-.32	-.00	1.02	1.02	.00
	T2 =	503	BLEED	.02	-1.74	1.02	-.32	-.96	.02	.01
	ERI =	0	POWER	-.01	-1.24	2.29	.08	.26	-.01	.00
1.50	NR =	.971	3.56	6240	13000	1.65	1113	38.3	138	2059
	P2 =	4.71	RAM	1.04	1131	-.33	-.00	1.04	1.04	.00
	T2 =	566	BLEED	.07	-1.76	1.10	-.26	-.90	.07	-.00
	ERI =	0	POWER	-.03	-.99	1.83	.07	.27	-.03	-.00
1.80	NR =	.945	5.43	9960	16600	1.66	1205	51.1	184	2059
	P2 =	7.18	RAM	1.07	1134	-.32	.00	1.07	1.07	.00
	T2 =	643	BLEED	.08	-1.85	1.21	-.27	-.89	.08	.01
	ERI =	0	POWER	-.02	-.80	1.45	.05	.21	-.02	.00
2.00	NR =	.925	7.24	13300	19100	1.68	1270	61.1	220	2059
	P2 =	9.57	RAM	1.09	1.29	-.24	-.00	1.09	1.09	.00
	T2 =	702	BLEED	.05	-1.93	1.25	-.24	-.92	.05	.00
	ERI =	0	POWER	-.01	-.64	1.20	.04	.18	-.01	.00
2.30	NR =	.893	11.2	19900	23100	1.73	1375	79.6	287	2059
	P2 =	14.78	RAM	1.13	1.29	-.20	.00	1.13	1.13	.00
	T2 =	802	BLEED	.03	-2.12	1.43	-.25	-.95	.03	-.01
	ERI =	0	POWER	-.00	-.69	1.15	.03	.15	-.00	.00
2.50	NR =	.870	14.9	25500	25700	1.79	1451	94.1	339	2059
	P2 =	19.69	RAM	1.16	1.32	-.19	.00	1.16	1.16	.00
	T2 =	876	BLEED	.02	-2.35	1.68	-.18	-.94	.02	-.01
	ERI =	0	POWER	-.00	-.64	1.04	.02	.14	-.00	.00
2.70	NR =	.846	19.8	32100	27400	1.82	1525	109.5	396	2059
	P2 =	26.13	RAM	1.18	.52	-.51	.00	1.18	1.18	.00
	T2 =	955	BLEED	.02	-2.01	2.08	-.20	-.94	.02	.00
	ERI =	0	POWER	-.00	-.81	.82	.02	.12	-.00	-.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 55000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.90	1.69	5.79	12578	3044	1197	9860	7720	1.63	484	13.0
	RAM	1.02	.95	-.01	+.01	1.24	1.30	-.38	.02	.00
	BLEED	-1.35	-.75	-.01	.35	-1.30	-1.66	.93	.01	.00
	POWER	-7.05	1.38	-.28	6.76	-1.74	-2.22	3.63	-.00	.00
1.20	2.41	7.72	16684	3107	1200	14000	10200	1.63	474	4.0
	RAM	1.02	.97	-.01	+.01	1.21	1.28	-.33	.02	-45.00
	BLEED	-1.34	-.74	-.01	.36	-1.23	-1.69	.97	.02	.00
	POWER	-5.17	1.04	-.16	4.98	-1.05	-1.44	2.49	-.01	.00
1.50	3.56	9.90	21375	3102	1235	19300	13100	1.63	450	4.0
	RAM	1.05	1.00	-.00	+.01	1.21	1.29	-.31	.01	.00
	BLEED	-1.37	-.70	-.02	.43	-1.16	-1.74	1.07	.07	.00
	POWER	-3.72	.83	-.14	3.60	-.69	-1.00	1.84	-.03	.00
1.80	5.43	12.71	27447	3099	1276	26700	16700	1.64	419	.0
	RAM	1.07	1.04	-.00	+.00	1.22	1.31	-.29	.01	.00
	BLEED	-1.33	-.68	-.03	.39	-1.12	-1.83	1.19	.08	.00
	POWER	-2.95	.64	-.24	2.80	-.54	-.86	1.51	-.02	.00
2.00	7.24	14.93	32027	3090	1297	32600	19400	1.65	393	.0
	RAM	1.10	1.07	-.02	+.01	1.23	1.32	-.27	.01	.00
	BLEED	-1.43	-.71	-.03	.47	-1.15	-1.97	1.29	.05	.00
	POWER	-2.54	.55	-.19	2.43	-.43	-.72	1.27	-.01	.00
2.30	11.2	18.91	40010	3077	1327	43600	23700	1.69	355	.0
	RAM	1.13	1.11	-.01	+.01	1.25	1.36	-.27	.01	.00
	BLEED	-1.43	-.74	-.04	.44	-1.15	-2.14	1.45	.03	.00
	POWER	-1.99	.44	-.17	1.89	-.31	-.57	1.02	-.00	.00
2.50	14.9	22.00	45921	3069	1345	52300	26800	1.71	329	.0
	RAM	1.16	1.14	-.01	+.01	1.28	1.39	-.27	.01	.00
	BLEED	-1.60	-.73	-.06	.59	-1.18	-2.32	1.64	.02	.00
	POWER	-1.68	.39	-.15	1.60	-.25	-.49	.88	-.00	.00
2.70	19.8	25.57	50000	3008	1332	61100	29000	1.73	302	.0
	RAM	1.22	-.00	-.83	+.39	.91	.60	-.58	.00	.00
	BLEED	-1.53	.00	.36	.76	-.91	-1.94	2.00	.02	.00
	POWER	-1.44	-.00	-.31	1.26	-.32	-.67	.68	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 55000 FEET

MO		P2/APO	FD	FN	SFC	TE	PE	W2	TC	
.90	NR =	1.00	1.69	2140	6670	1.45	966	21.6	79	1989
	P2 =	2.24	RAM	1.02	1834	-.39	-.00	1.02	1.02	-.00
	T2 =	453	BLEED	.01	-1.71	1.03	-.33	-.97	.01	.01
	ERI =	100	POWER	-.00	-2.08	3.81	.11	.36	-.00	.00
1.20	NR =	.991	2.41	3770	8770	1.47	1037	29.0	104	2059
	P2 =	3.18	RAM	1.02	1827	-.30	.00	1.02	1.02	-.00
	T2 =	503	BLEED	.02	-1.73	1.04	-.33	-.96	.02	.00
	ERI =	0	POWER	-.01	-1.50	2.79	.08	.26	-.01	.01
1.50	NR =	.971	3.56	6240	11100	1.49	1114	38.4	138	2059
	P2 =	4.71	RAM	1.04	1838	-.39	-.00	1.04	1.04	.00
	T2 =	566	BLEED	.08	-1.91	1.29	-.26	-.89	.08	.00
	ERI =	0	POWER	-.02	-1.15	2.16	.06	.27	-.02	-.00
1.80	NR =	.945	5.43	9960	14000	1.51	1206	51.2	184	2059
	P2 =	7.18	RAM	1.07	1832	-.29	.00	1.07	1.07	.00
	T2 =	643	BLEED	.08	-1.96	1.36	-.27	-.89	.08	-.00
	ERI =	0	POWER	-.02	-1.87	1.66	.05	.21	-.02	.00
2.00	NR =	.925	7.24	13300	16000	1.53	1271	61.3	220	2059
	P2 =	9.57	RAM	1.09	1.36	-.30	-.00	1.09	1.09	.00
	T2 =	702	BLEED	.05	-2.12	1.52	-.24	-.92	.05	.00
	ERI =	0	POWER	-.01	-.70	1.37	.04	.18	-.01	.00
2.30	NR =	.893	11.2	19900	19200	1.58	1376	79.9	287	2059
	P2 =	14.78	RAM	1.13	1834	-.24	.00	1.13	1.13	.00
	T2 =	802	BLEED	.03	-2.30	1.68	-.25	-.95	.03	-.01
	ERI =	0	POWER	-.00	-.55	1.10	.03	.15	-.00	.00
2.50	NR =	.870	14.9	25500	21200	1.63	1452	94.4	339	2059
	P2 =	19.69	RAM	1.16	1.37	-.23	.00	1.16	1.16	.00
	T2 =	876	BLEED	.02	-2.56	1.96	-.18	-.94	.02	-.01
	ERI =	0	POWER	-.00	-.52	1.00	.02	.14	-.00	.00
2.70	NR =	.846	19.8	32100	22800	1.69	1526	109.8	396	2059
	P2 =	26.13	RAM	1.18	1.37	-.18	.00	1.18	1.18	.00
	T2 =	955	BLEED	.02	-2.71	2.15	-.19	-.94	.02	.00
	ERI =	0	POWER	-.00	-.48	.91	.02	.12	-.00	-.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 55000 FEET

MO	P2/PO	P8/PO	WFT.	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.90	1.69	5.86	9685	2532	1067	8880	6740	1.44	484	13.0
	RAM	1.02	.97	-.01	+.00	1.24	1.31	-.37	.02	.00
	BLEED	-1.32	-.71	.01	.34	-1.28	-1.69	1.00	.01	.00
	POWER	-6.90	1.70	-.14	6.66	-1.60	-2.11	3.84	-.00	.00
1.20	2.41	7.82	12929	2605	1074	12700	8890	1.45	474	13.0
	RAM	1.02	.99	-.00	-.00	1.21	1.29	-.32	.02	.00
	BLEED	-1.30	-.71	-.00	.32	-1.21	-1.74	1.05	.02	.00
	POWER	-5.08	1.28	-.08	4.92	-.97	-1.38	2.67	-.01	.00
1.50	3.56	10.03	16522	2606	1106	17500	11300	1.47	450	4.0
	RAM	1.05	1.02	.01	.00	1.21	1.31	-.31	.01	.00
	BLEED	-1.35	-.65	-.02	.42	-1.14	-1.82	1.20	.08	.00
	POWER	-3.66	.99	-.10	3.53	-.64	-.99	1.99	-.02	.00
1.80	5.43	12.88	21112	2606	1143	24100	14200	1.49	419	4.0
	RAM	1.07	1.05	.01	.00	1.22	1.33	-.30	.01	.00
	BLEED	-1.32	-.64	-.03	.39	-1.11	-1.95	1.35	.08	.00
	POWER	-2.89	.78	-.14	2.75	-.48	-.80	1.58	-.02	.00
2.00	7.24	15.13	24521	2601	1161	29500	16200	1.51	393	.0
	RAM	1.10	1.07	-.01	-.01	1.23	1.34	-.28	.01	.00
	BLEED	-1.42	-.66	-.02	.45	-1.13	-2.10	1.49	.05	.00
	POWER	-2.50	.66	-.12	2.38	-.38	-.68	1.35	-.01	.00
2.30	11.2	19.18	30354	2592	1188	39400	19600	1.55	355	.0
	RAM	1.13	1.11	-.01	-.00	1.25	1.38	-.28	.01	.00
	BLEED	-1.40	-.68	-.02	.41	-1.14	-2.32	1.70	.03	.00
	POWER	-1.95	.54	-.10	1.86	-.27	-.53	1.08	-.00	.00
2.50	14.9	22.33	34573	2588	1204	47300	21800	1.59	329	.0
	RAM	1.16	1.15	-.01	-.00	1.28	1.42	-.29	.01	.00
	BLEED	-1.59	-.67	-.04	.58	-1.16	-2.54	1.95	.02	.00
	POWER	-1.65	.47	-.09	1.57	-.21	-.46	.94	-.00	.00
2.70	19.8	25.91	38604	2585	1207	55900	23700	1.63	302	.0
	RAM	1.18	1.17	-.01	-.00	1.30	1.46	-.27	.00	.00
	BLEED	-1.50	-.65	-.02	.50	-1.13	-2.69	2.13	.02	.00
	POWER	-1.43	.42	-.08	1.36	-.17	-.41	.84	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 55000 FEET

M0		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.90	NR =	1.00	2140	5680	1.23	967	21.6	79	1989
	P2 =	2.24	RAM 1.02	1.38	-.48	-.00	1.02	1.02	.00
	T2 =	453	BLEED .01	-1.80	1.24	-.33	-.97	.01	.01
	ERI =	100	POWER -.00	-1.80	4.04	.10	.36	-.00	.00
1.20	NR =	.991	3770	7410	1.25	1039	29.1	104	2059
	P2 =	3.18	RAM 1.02	1.28	-.34	-.00	1.02	1.02	.00
	T2 =	503	BLEED .02	-1.81	1.24	-.33	-.96	.02	-.00
	ERI =	0	POWER -.01	-1.32	2.99	.08	.26	-.01	-.01
1.50	NR =	.971	6230	9080	1.28	1115	38.5	138	2059
	P2 =	4.71	RAM 1.04	1.28	-.26	-.00	1.04	1.04	.00
	T2 =	566	BLEED .08	-1.93	1.41	-.26	-.89	.08	.00
	ERI =	0	POWER -.02	-1.13	2.45	.06	.26	-.02	-.00
1.80	NR =	.945	9960	11300	1.31	1207	51.4	184	2059
	P2 =	7.18	RAM 1.07	1.39	-.35	.00	1.07	1.07	.00
	T2 =	643	BLEED .08	-2.17	1.68	-.27	-.89	.08	-.00
	ERI =	0	POWER -.02	-1.72	1.76	.05	.21	-.02	.00
2.00	NR =	.925	13300	12700	1.33	1272	61.5	220	2059
	P2 =	9.57	RAM 1.09	1.37	-.30	-.00	1.09	1.09	.00
	T2 =	702	BLEED .05	-2.31	1.82	-.24	-.91	.05	.01
	ERI =	0	POWER -.01	-1.61	1.50	.04	.18	-.01	-.00
2.30	NR =	.893	19900	14900	1.39	1377	80.1	287	2059
	P2 =	14.78	RAM 1.13	1.43	-.32	.00	1.13	1.13	.00
	T2 =	802	BLEED .03	-2.65	2.17	-.25	-.94	.03	-.01
	ERI =	0	POWER -.00	-.41	1.14	.03	.15	-.00	.00
2.50	NR =	.870	25500	16200	1.43	1452	94.7	339	2059
	P2 =	19.69	RAM 1.16	1.45	-.31	.00	1.16	1.16	.00
	T2 =	876	BLEED .02	-2.94	2.50	-.18	-.94	.02	-.01
	ERI =	0	POWER -.00	-.38	1.02	.02	.14	-.00	-.00
2.70	NR =	.846	32100	17100	1.49	1527	110.2	395	2059
	P2 =	26.13	RAM 1.18	1.45	-.25	.00	1.18	1.18	.00
	T2 =	955	BLEED .02	-3.19	2.82	-.19	-.93	.02	.01
	ERI =	0	POWER -.00	-.34	.93	.02	.12	-.00	-.00

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STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.90	1.69	5.93	6970	2062	943	7920	5780	1.21	484	13.0
	RAM	1.02	.94	-.04	-.02	1.22	1.30	-.38	.02	.00
	BLEED	-1.31	-.60	.04	.34	-1.25	-1.72	1.15	.01	.00
	POWER	-6.74	2.22	-.04	6.60	-1.49	-2.04	4.29	-.00	.00
1.20	2.41	7.91	9241	2113	947	11200	7480	1.24	474	13.0
	RAM	1.02	.96	-.03	-.02	1.19	1.28	-.34	.02	.00
	BLEED	-1.30	-.60	.02	.33	-1.20	-1.81	1.24	.02	.00
	POWER	-5.01	1.66	-.04	4.89	-.92	-1.38	3.05	-.01	.00
1.50	3.56	10.15	11643	2105	972	15500	9250	1.26	450	13.0
	RAM	1.05	1.04	.01	.00	1.21	1.32	-.30	.01	.00
	BLEED	-1.34	-.56	-.01	.42	-1.13	-1.94	1.42	.08	.00
	POWER	-3.61	1.31	-.04	3.50	-.59	-.97	2.28	-.02	.00
1.80	5.43	13.05	14741	2111	1006	21400	11400	1.29	419	4.0
	RAM	1.07	1.07	.01	.01	1.22	1.35	-.31	.01	.00
	BLEED	-1.31	-.55	-.02	.38	-1.10	-2.13	1.64	.08	.00
	POWER	-2.82	1.03	-.04	2.73	-.40	-.74	1.78	-.02	.00
2.00	7.24	15.34	16970	2111	1022	26100	12900	1.32	393	4.0
	RAM	1.09	1.09	.00	-.00	1.23	1.37	-.30	.01	.00
	BLEED	-1.40	-.55	.00	.45	-1.12	-2.32	1.83	.05	.00
	POWER	-2.45	.89	-.01	2.39	-.31	-.61	1.50	-.01	.00
2.30	11.2	19.44	20639	2111	1048	35000	15100	1.36	355	.0
	RAM	1.13	1.13	.00	.00	1.25	1.42	-.31	.01	.00
	BLEED	-1.39	-.57	-.01	.41	-1.13	-2.64	2.16	.03	.00
	POWER	-1.91	.72	-.01	1.86	-.21	-.48	1.21	-.00	.00
2.50	14.9	22.66	23154	2111	1062	42000	16500	1.40	329	.0
	RAM	1.16	1.16	.00	.00	1.28	1.46	-.33	.01	.00
	BLEED	-1.57	-.55	-.01	.58	-1.14	-2.94	2.50	.02	.00
	POWER	-1.61	.64	-.01	1.57	-.16	-.41	1.06	-.00	.00
2.70	19.8	26.29	25382	2111	1065	49600	17500	1.45	302	.0
	RAM	1.18	1.18	.00	.00	1.30	1.51	-.31	.00	.00
	BLEED	-1.48	-.50	.00	.49	-1.12	-3.20	2.83	.02	.00
	POWER	-1.39	.58	-.01	1.36	-.13	-.37	.96	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.90	NR =	1.00	1.69	2140	5540	1.17	969	21.7	79	1989
	P2 =	2.24	RAM	1.02	1432	-.33	-.00	1.02	1.02	.00
	T2 =	453	BLEED	.01	-1.76	1.15	-.33	-.97	.01	.01
	ERI =	100	POWER	-.00	-2.05	4.46	.10	.35	-.00	.00
1.20	NR =	.991	2.41	3770	7250	1.21	1040	29.2	104	2059
	P2 =	3.18	RAM	1.02	1432	-.32	-.00	1.02	1.02	.00
	T2 =	503	BLEED	.02	-1.86	1.25	-.33	-.96	.02	-.01
	ERI =	0	POWER	-.01	-1.34	3.11	.08	.26	-.01	.00
1.50	NR =	.971	3.56	6230	8910	1.25	1117	38.7	138	2059
	P2 =	4.71	RAM	1.04	1428	-.26	-.00	1.04	1.04	.00
	T2 =	566	BLEED	.09	-1.94	1.44	-.25	-.88	.09	-.00
	ERI =	0	POWER	-.02	-1.10	2.46	.06	.25	-.02	-.00
1.80	NR =	.945	5.43	9950	11000	1.28	1209	51.6	184	2059
	P2 =	7.18	RAM	1.07	1439	-.34	.00	1.07	1.07	.00
	T2 =	643	BLEED	.08	-2.19	1.72	-.26	-.88	.08	-.00
	ERI =	0	POWER	-.02	-.70	1.78	.05	.21	-.02	.00
2.00	NR =	.925	7.24	13200	12400	1.30	1273	61.8	220	2059
	P2 =	9.57	RAM	1.09	1437	-.30	.00	1.09	1.09	.00
	T2 =	702	BLEED	.05	-2.34	1.87	-.25	-.91	.05	-.00
	ERI =	0	POWER	-.01	-.62	1.54	.04	.17	-.01	.00
2.30	NR =	.893	11.2	19900	14400	1.36	1379	80.5	287	2059
	P2 =	14.78	RAM	1.13	1444	-.34	.00	1.13	1.13	.00
	T2 =	802	BLEED	.03	-2.71	2.26	-.25	-.94	.03	-.01
	ERI =	0	POWER	-.00	-.42	1.18	.03	.15	-.00	.00
2.50	NR =	.870	14.9	25500	15600	1.40	1454	95.2	339	2059
	P2 =	19.69	RAM	1.16	1445	-.32	.00	1.16	1.16	-.00
	T2 =	876	BLEED	.02	-2.99	2.59	-.18	-.93	.02	.00
	ERI =	0	POWER	-.00	-.38	1.05	.02	.13	-.00	-.00
2.70	NR =	.846	19.8	32100	16400	1.46	1528	110.7	395	2059
	P2 =	26.13	RAM	1.18	1445	-.25	.00	1.18	1.18	.00
	T2 =	955	BLEED	.02	-3.25	2.93	-.19	-.93	.02	.01
	ERI =	0	POWER	-.00	-.33	.94	.02	.12	-.00	-.00

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STANDARD DAY

PRESSURE ALTITUDE

55000 FEET

M0	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.90	1.69	5.98	6492	1989	918	7770	5630	1.15	484	16.0
	RAM	1.02	1.01	.00	+.00	1.24	1.33	-.34	.02	.00
	BLEED	-1.30	-.64	.01	.31	-1.27	-1.75	1.14	.01	.00
	POWER	-6.65	2.39	.00	6.52	-1.43	-1.98	4.39	-.00	.00
1.20	2.41	7.97	8769	2059	927	11100	7330	1.20	474	13.0
	RAM	1.02	1.02	.00	+.00	1.21	1.30	-.31	.02	.00
	BLEED	-1.30	-.65	-.01	.32	-1.21	-1.84	1.23	.02	.00
	POWER	-4.96	1.76	.00	4.86	-.88	-1.33	3.10	-.01	.00
1.50	3.56	10.23	11127	2059	953	15300	9070	1.23	449	13.0
	RAM	1.05	1.04	.00	+.00	1.21	1.32	-.30	.01	.00
	BLEED	-1.34	-.55	-.00	.43	-1.11	-1.94	1.44	.09	.00
	POWER	-3.61	1.35	-.00	3.52	-.56	-.93	2.30	-.02	.00
1.80	5.43	13.14	14050	2059	985	21100	11100	1.26	419	4.0
	RAM	1.07	1.07	.00	.00	1.22	1.35	-.30	.01	.00
	BLEED	-1.30	-.53	-.00	.38	-1.09	-2.14	1.66	.08	.00
	POWER	-2.78	1.07	.00	2.72	-.37	-.69	1.77	-.02	.00
2.00	7.24	15.46	16142	2059	1001	25800	12500	1.29	393	4.0
	RAM	1.09	1.09	.00	.00	1.23	1.37	-.30	.01	.00
	BLEED	-1.39	-.54	-.00	.44	-1.11	-2.34	1.87	.05	.00
	POWER	-2.45	.92	.00	2.39	-.30	-.61	1.53	-.01	.00
2.30	11.2	19.60	19556	2059	1026	34500	14700	1.33	355	.0
	RAM	1.13	1.13	.00	.00	1.25	1.42	-.32	.01	.00
	BLEED	-1.38	-.54	-.01	.40	-1.12	-2.68	2.23	.03	.00
	POWER	-1.89	.75	.00	1.85	-.20	-.46	1.23	-.00	.00
2.50	14.9	22.86	21863	2059	1039	41500	15900	1.37	329	.0
	RAM	1.16	1.15	-.00	.00	1.28	1.46	-.33	.01	.00
	BLEED	-1.55	-.51	.00	.56	-1.13	-2.97	2.58	.02	.00
	POWER	-1.60	.67	-.00	1.57	-.15	-.40	1.08	-.00	.00
2.70	19.8	26.51	23878	2059	1042	49000	16800	1.42	302	.0
	RAM	1.18	1.18	.00	.00	1.30	1.52	-.31	.00	.00
	BLEED	-1.47	-.47	.01	.49	-1.11	-3.26	2.94	.02	.00
	POWER	-1.38	.61	-.00	1.35	-.12	-.36	.97	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 55000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
.90	NR =	1.00	2090	4040	1.08	925	19.1	77	1565	
	P2 =	2.24	RAM	1.02	1.46	-.49	-.00	1.02	1.02	-.00
	T2 =	453	BLEED	.01	-1.24	1.67	-.20	-.68	.01	.65
	ERI =	0	POWER	-.09	12.03	8.25	1.26	5.29	-.09	11.29
1.20	NR =	.991	3600	5090	1.14	990	25.2	100	1629	
	P2 =	3.18	RAM	1.02	1.45	-.47	-.00	1.02	1.02	-.00
	T2 =	503	BLEED	.03	-1.29	1.83	-.16	-.64	.03	.68
	ERI =	0	POWER	-.18	9.53	5.69	.82	3.75	-.18	8.26
1.50	NR =	.971	6250	7550	1.21	1104	36.9	138	1822	
	P2 =	4.71	RAM	1.04	1.32	-.31	-.00	1.04	1.04	-.01
	T2 =	566	BLEED	.04	-1.23	1.84	-.16	-.63	.04	.69
	ERI =	0	POWER	-.15	6.17	4.12	.57	2.46	-.15	5.40
1.80	NR =	.945	9980	9840	1.26	1200	50.1	184	1910	
	P2 =	7.18	RAM	1.07	1.43	-.39	-.00	1.07	1.07	-.00
	T2 =	643	BLEED	.04	-1.41	2.01	-.18	-.65	.04	.65
	ERI =	0	POWER	-.11	4.70	2.54	.39	1.61	-.11	3.63
2.00	NR =	.925	13300	11400	1.29	1267	60.5	220	1953	
	P2 =	9.57	RAM	1.09	1.40	-.33	-.00	1.09	1.09	-.00
	T2 =	702	BLEED	.04	-1.66	2.11	-.20	-.70	.04	.53
	ERI =	0	POWER	-.06	4.00	2.05	.29	1.34	-.06	2.91
2.30	NR =	.893	19900	13900	1.35	1376	79.7	287	2013	
	P2 =	14.78	RAM	1.13	1.45	-.34	.00	1.13	1.13	.00
	T2 =	802	BLEED	.02	-1.95	2.36	-.21	-.74	.02	.47
	ERI =	0	POWER	-.02	2.97	1.42	.20	.95	-.02	1.95
2.50	NR =	.870	25500	15400	1.40	1453	94.9	339	2045	
	P2 =	19.69	RAM	1.16	1.46	-.32	.00	1.16	1.16	-.00
	T2 =	876	BLEED	.01	-2.16	2.61	-.15	-.74	.01	.45
	ERI =	0	POWER	-.00	5.54	1.07	.05	.33	-.00	.48
2.70	NR =	.846	32100	16300	1.46	1528	110.6	395	2053	
	P2 =	26.13	RAM	1.18	1.45	-.25	-.00	1.18	1.18	-.00
	T2 =	955	BLEED	.02	-2.86	2.92	-.18	-.85	.02	.20
	ERI =	0	POWER	-.00	.05	.94	.03	.19	-.00	.18

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GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFC8	W2K	BTANG
.90	1.69	4.46	4376	1565	1045	6190	4110	1.07	473	16.0
	RAM	1.02	1.01	-.00	.00	1.29	1.43	-.45	.02	.00
	BLEED	-.61	.39	.65	+.02	-.80	-1.21	1.64	.01	.00
	POWER	6.44	20.53	11.29	+.27	7.84	11.87	8.41	-.09	.00
1.20	2.41	5.90	5781	1629	1045	8770	5160	1.12	454	13.0
	RAM	1.02	1.01	-.00	.00	1.24	1.40	-.41	.01	.00
	BLEED	-.59	.51	.68	.00	-.72	-1.25	1.79	.03	.00
	POWER	4.53	15.40	8.26	+.13	5.37	9.25	5.97	-.18	.00
1.50	3.56	8.70	9129	1822	1045	14000	7700	1.19	451	13.0
	RAM	1.04	1.04	-.01	.00	1.22	1.36	-.35	.02	.00
	BLEED	-.57	.57	.69	+.01	-.67	-1.25	1.86	.04	.00
	POWER	2.90	10.42	5.40	+.02	3.39	6.27	4.02	-.15	.00
1.80	5.43	11.86	12390	1910	1045	20000	10000	1.24	420	4.0
	RAM	1.07	1.07	-.00	.00	1.22	1.37	-.33	.01	.00
	BLEED	-.53	.56	.65	+.06	-.67	-1.37	1.97	.04	.00
	POWER	1.96	7.32	3.63	+.03	2.24	4.58	2.66	-.11	.00
2.00	7.24	14.36	14732	1953	1045	24800	11600	1.27	393	4.0
	RAM	1.09	1.09	-.00	.00	1.23	1.39	-.33	.01	.00
	BLEED	-.67	.40	.53	.01	-.75	-1.65	2.09	.04	.00
	POWER	1.58	6.12	2.91	.00	1.82	3.97	2.08	-.06	.00
2.30	11.2	18.98	18751	2013	1045	33900	14100	1.33	355	.0
	RAM	1.13	1.13	.00	+.00	1.26	1.44	-.33	.01	.00
	BLEED	-.72	.35	.47	.01	-.79	-1.92	2.34	.02	.00
	POWER	.81	4.43	1.95	.26	1.20	2.92	1.46	-.02	.00
2.50	14.9	22.63	21576	2045	1045	41300	15700	1.37	329	.0
	RAM	1.16	1.16	-.00	.00	1.28	1.47	-.33	.01	.00
	BLEED	-.89	.36	.45	.16	-.81	-2.15	2.60	.01	.00
	POWER	-.90	1.62	.48	1.13	.19	.51	1.10	-.00	.00
2.70	19.8	26.39	23728	2053	1045	48900	16700	1.42	302	.0
	RAM	1.18	1.18	-.00	.00	1.30	1.52	-.32	.00	.00
	BLEED	-1.19	-.07	.20	.31	-.97	-2.87	2.93	.02	.00
	POWER	-1.12	.99	.18	1.19	.01	.02	.97	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 55000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.90	NR =	1.00	1840	2320	1.05	858	15.3	68	1167
	P2 =	2.24	1.02	1168	-.75	-.00	1.02	1.02	-.01
	T2 =	453	.04	-1.55	2.23	-.19	-.64	.04	.64
	ERI =	0	POWER	-.34	19103	10.57	1.50	6.85	-.34
1.20	NR =	.991	2930	2270	1.16	899	18.1	81	1146
	P2 =	3.18	1.02	1.73	-.80	-.00	1.02	1.02	-.00
	T2 =	503	.03	-2.05	2.75	-.21	-.69	.03	.56
	ERI =	0	POWER	-.19	20173	7.94	1.40	6.22	-.19
1.50	NR =	.971	6260	6950	1.20	1099	36.1	139	1724
	P2 =	4.71	1.04	1135	-.34	-.00	1.04	1.04	-.00
	T2 =	566	.03	-1.32	1.94	-.17	-.63	.03	.68
	ERI =	0	POWER	-.10	6430	3.81	.49	2.43	-.10
1.80	NR =	.945	9990	9020	1.25	1194	49.0	184	1805
	P2 =	7.18	1.07	1.43	-.39	-.00	1.07	1.07	-.00
	T2 =	643	.04	-1.51	2.13	-.18	-.65	.04	.63
	ERI =	0	POWER	-.09	5.30	2.59	.39	1.82	-.09
2.00	NR =	.925	13300	10400	1.28	1261	59.2	220	1848
	P2 =	9.57	1.10	1142	-.36	-.00	1.09	1.10	-.00
	T2 =	702	.03	-1.59	2.28	-.19	-.66	.03	.64
	ERI =	0	POWER	-.06	4.93	2.14	.34	1.57	-.06
2.30	NR =	.893	19900	12600	1.35	1370	78.0	287	1908
	P2 =	14.78	1.13	1150	-.40	.00	1.13	1.13	.00
	T2 =	802	.02	-1.80	2.61	-.13	-.66	.02	.65
	ERI =	0	POWER	-.02	3175	1.44	.22	1.08	-.02
2.50	NR =	.870	25500	14000	1.40	1449	93.0	339	1945
	P2 =	19.69	1.16	1149	-.35	.00	1.16	1.16	.00
	T2 =	076	.01	-2.01	2.82	-.14	-.69	.01	.60
	ERI =	0	POWER	-.01	3.08	1.10	.13	.83	-.01
2.70	NR =	.846	32200	14600	1.46	1523	108.3	396	1950
	P2 =	26.13	1.18	1153	-.32	.00	1.18	1.18	.00
	T2 =	955	.01	-2.34	3.20	-.16	-.71	.01	.56
	ERI =	0	POWER	-.01	3.07	.86	.12	.74	-.01

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GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
.90	1.40	3.19	2443	1167	1095	4190	2350	1.04	416	16.0
	RAM	1.01	.99	-.01	.00	1.38	1.67	-.73	.02	.00
	BLEED	-.61	.62	.64	.00	-.84	-1.54	2.21	.04	.00
	POWER	7.53	29.98	14.98	.18	10.36	18.72	10.88	-.34	.00
1.20	2.41	3.77	2635	1146	1095	5240	2310	1.14	368	16.0
	RAM	1.02	1.00	+.00	+.00	1.34	1.74	-.81	.02	.00
	BLEED	-.67	.62	.56	+.00	-.88	-2.03	2.74	.03	.00
	POWER	6.82	29.03	13.28	.12	8.99	20.60	8.07	-.19	.00
1.50	3.56	8.04	8343	1724	1095	13400	7090	1.18	451	13.0
	RAM	1.04	1.04	-.00	.00	1.23	1.39	-.38	.02	.00
	BLEED	-.59	.58	.68	+.00	-.69	-1.33	1.95	.03	.00
	POWER	2.84	10.24	5.23	+.03	3.33	6.36	3.76	-.10	.00
1.80	5.43	10.96	11256	1805	1095	19100	9160	1.23	420	4.0
	RAM	1.07	1.07	-.00	.00	1.23	1.40	-.36	.01	.00
	BLEED	-.59	.58	.63	+.02	-.69	-1.49	2.11	.04	.00
	POWER	2.14	7.99	3.92	+.04	2.44	5.21	2.68	-.09	.00
2.00	7.24	13.26	13355	1848	1095	23800	10500	1.27	394	4.0
	RAM	1.09	1.08	-.00	.00	1.24	1.42	-.36	.01	.00
	BLEED	-.57	.63	.64	-.04	-.68	-1.58	2.27	.03	.00
	POWER	1.94	7.16	3.41	+.09	2.13	4.89	2.18	-.06	.00
2.30	11.2	17.54	16958	1908	1095	32600	12800	1.33	355	.0
	RAM	1.13	1.13	.00	+.00	1.26	1.47	-.36	.01	.00
	BLEED	-.62	.74	.65	.01	-.68	-1.77	2.58	.02	.00
	POWER	1.34	5.26	2.30	+.07	1.45	3.75	1.45	-.02	.00
2.50	14.9	20.96	19551	1945	1095	39800	14200	1.37	329	.0
	RAM	1.16	1.16	.00	+.00	1.28	1.51	-.37	.01	.00
	BLEED	-.65	.72	.60	.00	-.71	-2.00	2.81	.01	.00
	POWER	.96	4.22	1.73	+.00	1.09	3.06	1.11	-.01	.00
2.70	19.8	24.42	21314	1950	1095	47100	15000	1.43	302	.0
	RAM	1.18	1.18	.00	+.00	1.30	1.56	-.35	.00	.00
	BLEED	-.65	.75	.56	-.02	-.73	-2.32	3.18	.01	.00
	POWER	.86	3.97	1.53	+.01	.96	3.04	.88	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 55000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
.90	NR =	1.00	1520	770	1.56	788	11.1	56	871
	P2 =	2.24	RAM .72	1.26	-1.34	-.13	.56	.72	-.35
	T2 =	453	BLEED -.48	-5.39	5.86	-.33	-1.32	-.48	.33
	ERI =	100	POWER-19.06	-46.70	49.67	-5.60	-17.71	-19.06	3.49
1.20	NR =	.991	2420	590	2.02	830	13.1	67	854
	P2 =	3.18	RAM .75	1.72	-1.88	-.11	.61	.75	-.31
	T2 =	503	BLEED -.42	-8.88	10.25	-.32	-1.32	-.42	.19
	ERI =	100	POWER-15.85	-55.97	61.10	-4.68	-15.26	-15.85	1.44
1.50	NR =	.971	6270	5450	1.22	1088	34.3	139	1505
	P2 =	4.71	RAM 1.04	1.43	-.43	-.00	1.04	1.04	-.01
	T2 =	566	BLEED .03	-1.36	2.35	-.09	-.58	.03	.83
	ERI =	0	POWER -.07	6.50	3.60	.28	2.24	-.07	4.79
1.80	NR =	.945	10000	7010	1.26	1181	46.4	185	1572
	P2 =	7.18	RAM 1.07	1.53	-.54	-.00	1.07	1.07	-.02
	T2 =	643	BLEED .03	-1.50	2.68	-.10	-.56	.03	.85
	ERI =	0	POWER -.07	6.22	2.38	.30	1.82	-.07	3.92
2.00	NR =	.925	13300	8000	1.30	1249	56.1	221	1614
	P2 =	9.57	RAM 1.10	1.52	-.46	-.00	1.10	1.10	.00
	T2 =	702	BLEED .03	-1.65	2.84	-.11	-.58	.03	.80
	ERI =	0	POWER -.04	5.09	1.95	.19	1.44	-.04	3.03
2.30	NR =	.893	19900	9510	1.38	1360	74.1	287	1676
	P2 =	14.78	RAM 1.13	1.56	-.49	.00	1.13	1.13	-.00
	T2 =	802	BLEED .02	-1.96	3.24	-.13	-.61	.02	.76
	ERI =	0	POWER -.02	4.50	1.32	.17	1.13	-.02	2.32
2.50	NR =	.870	25600	10300	1.45	1437	88.2	340	1708
	P2 =	19.69	RAM 1.16	1.61	-.49	.00	1.16	1.16	.00
	T2 =	876	BLEED .01	-2.34	3.65	-.13	-.63	.01	.69
	ERI =	0	POWER -.01	4.42	.96	.15	.99	-.01	2.02
2.70	NR =	.846	32200	10200	1.55	1510	102.6	396	1711
	P2 =	26.13	RAM 1.18	1.63	-.41	.00	1.18	1.18	.00
	T2 =	955	BLEED .01	-2.89	4.31	-.14	-.66	.01	.63
	ERI =	0	POWER -.01	4.32	.64	.12	.84	-.01	1.70

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 11.0

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STANDARD DAY PRESSURE ALTITUDE 55000 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
.90	1.69	1.99	1200	871	1259	2370	850	1.42	345	16.0
	RAM	.46	.00	-.35	.01	.84	1.06	-1.12	-.29	.00
	BLEED	-1.06	.00	.33	+.05	-1.99	-4.72	5.08	-.48	.00
	POWER	-14.29	.00	3.49	-.56	-26.60	-40.15	42.3	-19.06	.00
1.20	2.41	2.33	1200	854	1258	3070	640	1.86	305	16.0
	RAM	.57	.00	-.31	.01	.90	1.43	-1.54	-.27	.00
	BLEED	-1.28	.00	.19	.01	-1.98	-7.83	8.87	-.42	.00
	POWER	-14.37	.00	1.44	+.10	-22.54	-47.69	51.3	-15.85	.00
1.50	3.58	6.47	6672	1505	1257	11900	5640	1.18	452	13.0
	RAM	1.04	1.03	-.01	-.00	1.25	1.49	-.50	.02	.00
	BLEED	-.53	.95	.83	.01	-.63	-1.37	2.36	.03	.00
	POWER	2.47	10.22	4.79	.10	3.07	6.57	3.54	-.07	.00
1.80	5.43	8.80	8840	1572	1257	17200	7150	1.24	421	4.0
	RAM	1.05	1.03	-.02	.01	1.24	1.47	-.47	.01	.00
	BLEED	-.51	1.11	.85	.01	-.59	-1.46	2.63	.03	.00
	POWER	2.17	8.71	3.92	-.06	2.47	6.03	2.57	-.07	.00
2.00	7.24	10.67	10432	1614	1257	21400	8150	1.28	394	4.0
	RAM	1.11	1.09	.00	+.01	1.26	1.53	-.48	.01	.00
	BLEED	-.53	1.12	.80	.00	-.61	-1.64	2.83	.03	.00
	POWER	1.63	7.12	3.03	.01	1.90	5.06	1.97	-.04	.00
2.30	11.2	14.14	13129	1676	1257	29600	9700	1.35	355	.0
	RAM	1.13	1.12	-.00	.00	1.27	1.56	-.49	.01	.00
	BLEED	-.52	1.18	.76	+.04	-.63	-1.95	3.22	.02	.00
	POWER	1.26	5.89	2.32	.01	1.45	4.47	1.36	-.02	.00
2.50	14.9	16.88	14878	1708	1257	36100	10500	1.41	329	.0
	RAM	1.16	1.16	.00	+.00	1.30	1.62	-.50	.01	.00
	BLEED	-.60	1.18	.69	+.00	-.66	-2.31	3.62	.01	.00
	POWER	1.14	5.43	2.02	-.03	1.26	4.36	1.02	-.01	.00
2.70	19.8	19.67	15854	1711	1257	42800	10600	1.49	302	.0
	RAM	1.18	1.18	.00	.00	1.31	1.71	-.49	.00	.00
	BLEED	-.65	1.23	.63	.02	-.70	-2.86	4.27	.01	.00
	POWER	.93	5.01	1.70	.01	1.05	4.28	.68	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

MO		P2/PO	FD	FN	WFT	TE	PE	W2
1.20	NR = .991	2.41	2460	360	1200	826	12.7	68
	P2 = 3.18	RAM	.76	2.54	.00	-.11	.61	.76
	T2 = 503	BLEED	-.40	-14.21	.00	-.32	-1.30	-.40
	ERI = 100	POWER	-15.10	-84.98	.00	-4.68	-14.61	-15.10
1.50	NR = .971	3.56	3820	140	1200	886	15.7	85
	P2 = 4.71	RAM	.81	6.81	.00	-.10	.68	.81
	T2 = 566	BLEED	-.46	-48.06	.00	-.31	-1.39	-.46
	ERI = 100	POWER	-12.30	-190.41	.00	-3.66	-12.23	-12.30
2.00	NR = .925	7.24	8000	-470	1200	1029	25.1	133
	P2 = 9.57	RAM	.96	-1.23	.00	-.06	.86	.96
	T2 = 702	BLEED	-.35	22.48	.00	-.34	-1.37	-.35
	ERI = 100	POWER	-8.19	34.13	.00	-2.25	-8.56	-8.19

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

MO	P2/PO	TC	P8/PO	T8	PCN	FGB	FNB	W2K	BTANG
1.20	2.41	849	2.03	849	80.1	2860	410	309	13.0
	RAM	-.31	.56	-.31	-.09	.96	2.19	-.27	.00
	BLEED	.18	-1.28	.18	-.13	-2.11	-12.40	-.40	.00
	POWER	1.16	-14.08	1.16	-4.74	-23.41	-73.42	-15.10	.00
1.50	3.56	845	2.51	845	81.6	3980	170	275	13.0
	RAM	-.27	.67	-.27	-.09	.99	5.25	-.23	.00
	BLEED	.10	-1.38	.10	-.17	-2.05	-38.86	-.46	.00
	POWER	.09	-12.23	.09	-4.37	-18.02	-150.22	-12.30	.00
2.00	7.24	880	3.99	880	85.7	7600	-410	237	13.0
	RAM	-.20	.84	-.20	-.05	1.11	-1.82	-.13	.00
	BLEED	-.10	-1.37	-.10	-.13	-1.79	26.54	-.35	.00
	POWER	-.76	-8.22	-.76	-3.29	-10.95	43.33	-8.19	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.9.16.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

M0		P2/P0	FD	FN	WFT	TE	PE	W2	
1.20	NR =	.991	2.41	1590	-680	200	703	6.7	44
	P2 =	3.18	RAM	1.26	-.03	-.00	.07	1.22	1.26
	T2 =	503	BLEED	-.73	2.75	.00	-.50	-1.83	-.73
	ERI =	111	POWER	-43.48	15.94	.00	-15.03	-47.75	-43.48
1.50	NR =	.971	3.56	2890	-950	202	797	10.1	64
	P2 =	4.71	RAM	1.08	-.39	.21	.01	1.06	1.08
	T2 =	566	BLEED	-.49	4.25	-.69	-.42	-1.65	-.49
	ERI =	100	POWER	-23.38	21.28	-10.28	-8.05	-26.82	-23.38
2.00	NR =	.925	7.24	7130	-1230	415	987	20.7	118
	P2 =	9.57	RAM	1.10	-.72	1.10	.00	1.10	1.10
	T2 =	702	BLEED	-.47	8.00	-1.65	-.39	-1.65	-.47
	ERI =	100	POWER	-9.99	17.11	-11.66	-3.27	-11.66	-9.99

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 55000 FEET

MO	P2/PO	TC	P8/PO	T8	PCN	FG8	FNB	W2K	BTANG
1.20	2.41	583	1.31	583	68.1	970	-620	201	13.0
	RAM	-.19	.55	-.19	.09	2.15	-.12	.27	.00
	BLEED	-.09	-.80	-.09	-.28	-3.19	3.10	-.73	.00
	POWER	-4.82	-21.67	-4.82	-16.13	-84.56	20.40	-43.48	.00
1.50	3.56	623	1.68	623	73.2	1990	-900	208	13.0
	RAM	-.07	.80	-.07	.02	1.75	-.40	.06	.00
	BLEED	-.31	-1.23	-.31	-.20	-2.72	4.48	-.49	.00
	POWER	-6.18	-19.70	-6.18	-8.91	-43.85	22.21	-23.38	.00
2.00	7.24	768	3.31	768	81.8	5940	-1190	211	13.0
	RAM	.01	1.10	.01	.00	1.48	-.82	.02	.00
	BLEED	-.40	-1.67	-.40	-.19	-2.25	8.35	-.47	.00
	POWER	-3.32	-11.68	-3.32	-3.88	-15.70	18.42	-9.99	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.57	5900	12200	1.91	1182	34.5	125	2059
	P2 =	4.72	RAM	1.04	1.34	-.37	-.00	1.05	1.04	.00
	T2 =	624	BLEED	.07	-1.87	1.19	-.26	-.90	.07	-.01
	ERI =	0	POWER	-.02	-1.85	2.67	.07	.30	-.02	-.02
2.00	NR =	.925	7.25	12300	17800	1.93	1345	53.8	194	2059
	P2 =	9.59	RAM	1.10	1.36	-.33	.00	1.09	1.10	-.00
	T2 =	774	BLEED	.03	-2.07	1.36	-.25	-.94	.03	.01
	ERI =	0	POWER	-.01	-3.178	-.52	.05	.22	-.01	.00
2.50	NR =	.870	14.9	23200	23100	2.01	1532	81.1	294	2059
	P2 =	19.74	RAM	1.16	1.34	-.20	.00	1.16	1.16	.00
	T2 =	963	BLEED	.02	-3.20	1.09	-.20	-.95	.02	-.01
	ERI =	1	POWER	-.00	-3.82	-.75	.03	.16	-.00	.01
2.70	NR =	.846	19.8	29300	24600	2.03	1611	94.4	343	2059
	P2 =	26.21	RAM	1.19	.58	-.57	.00	1.19	1.19	.00
	T2 =	1050	BLEED	.02	-2.05	2.12	-.19	-.94	.02	-.01
	ERI =	0	POWER	-.00	-1.15	.86	.02	.14	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
1.50	3.57	8.57	23370	3475	1377	18200	12300	1.89	426	4.0
	RAM	1.05	.99	.01	-.01	1.23	1.33	-.36	.01	.00
	BLEED	-1.39	-.72	-.08	.43	-1.21	-1.83	1.14	.07	.00
	POWER	-4.36	.79	-.54	4.00	-1.07	-1.57	2.38	-.02	.00
2.00	7.25	12.73	34278	3485	1440	30300	18000	1.90	364	.0
	RAM	1.09	1.05	.01	.01	1.26	1.37	-.34	.01	.00
	BLEED	-1.40	-.75	-.08	.39	-1.21	-2.05	1.34	.03	.00
	POWER	-2.78	-4.28	-2.93	.90	-2.23	-3.74	-.56	-.01	.00
2.50	14.9	18.75	46489	3400	1450	47300	24100	1.93	298	.0
	RAM	1.16	1.16	.00	-.00	1.30	1.43	-.29	.01	.00
	BLEED	-1.47	-2.16	-.81	-.00	-1.65	-3.25	1.14	.02	.00
	POWER	-1.80	-4.53	-2.83	.03	-1.98	-3.88	-.69	-.00	.00
2.70	19.8	21.92	50000	3314	1423	55300	26000	1.92	274	.0
	RAM	1.23	-.00	-.60	-.40	.93	.63	-.61	.01	.00
	BLEED	-1.54	.00	.34	.77	-.92	-1.99	2.05	.02	.00
	POWER	-1.67	-.30	-.52	1.34	-.49	-1.03	.74	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.9. 2.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.57	5900	11000	1.73	1183	34.6	124	2059
	P2 =	4.72	RAM	1.04	1.35	-.38	-.00	1.04	1.04	.00
	T2 =	624	BLEED	.08	-1.86	1.22	-.26	-.89	.08	-.00
	ERI =	0	POWER	-.03	-1.26	2.21	.08	.31	-.03	.01
2.00	NR =	.925	7.25	12300	15700	1.76	1346	53.9	194	2059
	P2 =	9.59	RAM	1.10	1.39	-.36	.00	1.10	1.10	.00
	T2 =	774	BLEED	.03	-2.18	1.52	-.25	-.94	.03	.01
	ERI =	0	POWER	-.01	-1.18	1.84	.05	.22	-.01	.00
2.50	NR =	.870	14.9	23200	20600	1.87	1533	81.4	294	2059
	P2 =	19.74	RAM	1.16	1.35	-.23	.00	1.16	1.16	.00
	T2 =	963	BLEED	.02	-2.47	1.82	-.20	-.95	.02	-.01
	ERI =	0	POWER	-.00	-.78	1.25	.03	.16	-.00	.00
2.70	NR =	.846	19.8	29300	22400	1.93	1612	94.7	343	2059
	P2 =	26.21	RAM	1.19	1.38	-.19	.00	1.19	1.19	.00
	T2 =	1050	BLEED	.02	-2.67	2.04	-.19	-.94	.02	-.01
	ERI =	0	POWER	-.00	-.73	1.15	.02	.14	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
1.50	3.57	8.66	18975	3102	1270	17000	11100	1.71	425	4.0
	RAM	1.05	1.00	-0.00	-0.01	1.22	1.32	-0.34	.01	.00
	BLEED	-1.36	-0.68	-0.04	.42	-1.18	-1.84	1.19	.08	.00
	POWER	-4.24	.94	-0.34	4.03	-0.93	-1.41	2.36	-0.03	.00
2.00	7.25	12.89	27650	3093	1323	28200	15900	1.74	364	.0
	RAM	1.09	1.06	.00	-0.00	1.25	1.37	-0.33	.01	.00
	BLEED	-1.40	-0.72	-0.05	.41	-1.18	-2.12	1.45	.03	.00
	POWER	-2.91	.64	-0.29	2.74	-0.55	-0.98	1.63	-0.01	.00
2.50	14.9	18.97	38526	3075	1350	44500	21300	1.81	298	.0
	RAM	1.16	1.13	-0.01	-0.01	1.29	1.42	-0.31	.01	.00
	BLEED	-1.51	-0.72	-0.05	.51	-1.17	-2.47	1.82	.02	.00
	POWER	-1.96	.46	-0.17	1.86	-0.31	-0.64	1.11	-0.00	.00
2.70	19.8	22.14	43260	3072	1348	52800	23500	1.84	274	.0
	RAM	1.19	1.17	-0.01	-0.01	1.32	1.48	-0.28	.01	.00
	BLEED	-1.50	-0.71	-0.05	.50	-1.15	-2.62	1.99	.02	.00
	POWER	-1.67	.41	-0.14	1.59	-0.25	-0.55	.97	-0.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.57	5900	9280	1.57	1184	34.7	124	2059
	P2 =	4.72	RAM	1.04	1.36	-.37	-.00	1.04	1.04	.00
	T2 =	624	BLEED	.08	-2.02	1.42	-.26	-.89	.08	-.01
	ERI =	0	POWER	-.02	-1.37	2.49	.07	.30	-.02	-.02
2.00	NR =	.925	7.25	12300	13000	1.61	1347	54.1	194	2059
	P2 =	9.59	RAM	1.10	1.38	-.33	.00	1.10	1.10	.00
	T2 =	774	BLEED	.03	-2.30	1.70	-.25	-.94	.03	.00
	ERI =	0	POWER	-.01	-.98	1.77	.05	.22	-.01	.00
2.50	NR =	.870	14.9	23200	16600	1.72	1534	81.6	294	2059
	P2 =	19.74	RAM	1.16	1.40	-.28	.00	1.16	1.16	.00
	T2 =	963	BLEED	.02	-2.75	2.18	-.20	-.94	.02	-.01
	ERI =	0	POWER	-.00	-.63	1.21	.03	.16	-.00	.00
2.70	NR =	.846	19.8	29300	17800	1.79	1613	95.0	343	2059
	P2 =	26.21	RAM	1.19	1.45	-.25	.00	1.19	1.19	.00
	T2 =	1050	BLEED	.02	-3.02	2.50	-.19	-.93	.02	-.01
	ERI =	0	POWER	-.00	-.62	1.14	.02	.14	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY & 40 F PRESSURE ALTITUDE 55000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
1.50	36.57	8.78	14559	2601	1135	15400	9480	1.54	425	4.0
	RAM	1.05	1.01	.01	.00	1.23	1.34	-.35	.01	-45.00
	BLEED	-1.34	-.64	-.04	.40	-1.16	-1.94	1.33	.08	.00
	POWER	-4.18	1.10	-.24	3.96	-.85	-1.37	2.49	-.02	.00
2.00	7.26	13.07	20981	2601	1184	25500	13200	1.59	364	4.0
	RAM	1.09	1.07	.01	.00	1.25	1.39	-.35	.01	.00
	BLEED	-1.39	-.66	-.04	.40	-1.17	-2.30	1.69	.03	.00
	POWER	-2.85	.78	-.20	2.69	-.49	-.94	1.73	-.0	-126.71
2.50	14.9	19.25	28660	2590	1208	40300	17000	1.68	298	.0
	RAM	1.16	1.14	-.01	-.00	1.29	1.46	-.34	.01	.00
	BLEED	-1.50	-.66	-.03	.50	-1.16	-2.77	2.20	.02	.00
	POWER	-1.92	.57	-.11	1.83	-.26	-.62	1.20	-.00	.00
2.70	19.8	22.47	31836	2588	1206	47700	18400	1.73	274	.0
	RAM	1.19	1.18	-.01	-.00	1.32	1.52	-.31	.01	.00
	BLEED	-1.49	-.64	-.03	.49	-1.14	-2.99	2.46	.02	.00
	POWER	-1.63	.51	-.09	1.55	-.21	-.54	1.07	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 400

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
1.50	NR = .971	3.57	5900	7610	1.33	1185	34.8	124	2059
	P2 = 4.72	RAM	1.04	1129	-.33	-.00	1.04	1.04	-.00
	T2 = 624	BLEED	.08	-2105	1.58	-.26	-.89	.08	-.01
	ERI = 0	POWER	-.02	-1441	2.92	.08	.31	-.02	.00
2.00	NR = .925	7.25	12300	10200	1.40	1348	54.3	194	2059
	P2 = 9.59	RAM	1.10	1445	-.39	.00	1.10	1.10	.00
	T2 = 774	BLEED	.03	-2160	2.13	-.25	-.94	.03	.00
	ERI = 0	POWER	-.01	-180	1.86	.05	.21	-.01	.00
2.50	NR = .870	14.9	23200	12300	1.52	1535	81.9	294	2059
	P2 = 19.74	RAM	1.16	1453	-.40	.00	1.16	1.16	.00
	T2 = 963	BLEED	.02	-3131	2.94	-.20	-.94	.02	-.01
	ERI = 0	POWER	-.00	-448	1.28	.03	.16	-.00	.00
2.70	NR = .846	19.8	29300	12800	1.59	1614	95.3	343	2059
	P2 = 26.21	RAM	1.19	1457	-.36	.00	1.19	1.19	-.00
	T2 = 1050	BLEED	.02	-3172	3.43	-.19	-.93	.02	-.01
	ERI = 0	POWER	-.00	-448	1.22	.03	.14	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FN8	SFC8	W2K	BTANG
1.50	31.57	8.89	10124	2104	998	13600	7740	1.31	425	13.0
	RAM	1.04	.99	-.03	+.01	1.21	1.33	-.37	.01	.00
	BLEED	-1.33	-.52	.01	.41	-1.13	-2.06	1.59	.08	.00
	POWER	-4.06	1.49	-.04	3.94	-.71	-1.24	2.74	-.02	.00
2.00	7.25	13.26	14273	2111	1041	22600	10300	1.38	364	4.0
	RAM	1.09	1.09	.01	.01	1.25	1.43	-.36	.01	.00
	BLEED	-1.38	-.56	-.02	.40	-1.16	-2.57	2.09	.03	.00
	POWER	-2.80	1.05	-.04	2.72	-.39	-.85	1.91	-.01	.00
2.50	14.9	19.53	18734	2111	1065	35800	12500	1.49	298	.0
	RAM	1.16	1.16	.00	.00	1.29	1.52	-.40	.01	.00
	BLEED	-1.49	-.52	-.01	.49	-1.14	-3.30	2.92	.02	.00
	POWER	-1.88	.79	-.01	1.83	-.20	-.58	1.38	-.00	.00
2.70	19.8	22.79	20343	2111	1064	42400	13100	1.55	274	.0
	RAM	1.19	1.19	-.00	.01	1.32	1.59	-.38	.01	.00
	BLEED	-1.48	-.49	-.01	.49	-1.13	-3.70	3.40	.02	.00
	POWER	-1.61	.73	-.01	1.57	-.16	-.52	1.26	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY \pm 40 F PRESSURE ALTITUDE 55000 FEET

MO		P2/RO	FU	FN	SFC	TE	PE	W2	TC
1.50	NK = .971	3.57	5900	7470	1.29	1187	34.9	124	2059
	P2 = 4.72	RAM	1.04	1.32	-.29	-.00	1.04	1.04	.00
	T2 = 624	BLEED	.08	-2.06	1.58	-.26	-.88	.08	-.00
	ERI = 0	POWER	-.02	-1.34	2.92	.08	.31	-.02	.00
2.00	NR = .925	7.25	12300	9870	1.37	1350	54.5	194	2059
	P2 = 9.59	RAM	1.10	1.46	-.39	.00	1.09	1.10	.00
	T2 = 774	BLEED	.03	-2.65	2.19	-.25	-.93	.03	-.01
	ERI = 0	POWER	-.01	-1.78	1.89	.04	.21	-.01	.00
2.50	NR = .870	14.9	23200	11800	1.49	1536	82.3	294	2059
	P2 = 19.74	RAM	1.16	1.55	-.42	.00	1.16	1.16	.00
	T2 = 963	BLEED	.02	-3.41	3.07	-.20	-.93	.02	-.01
	ERI = 0	POWER	-.00	-.50	1.34	.03	.16	-.00	.00
2.70	NR = .846	19.8	29300	12200	1.56	1616	95.7	343	2059
	P2 = 26.21	RAM	1.19	1.59	-.37	.00	1.19	1.19	.00
	T2 = 1050	BLEED	.02	-3.81	3.58	-.20	-.93	.02	.00
	ERI = 0	POWER	-.00	-.48	1.26	.02	.14	-.00	-.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY # 40 F PRESSURE ALTITUDE 55000 FEET

MO	R2/PO	R8/PO	WFT	T6	A8	FCB	FNB	SFCB	W2K	BTANG
1.50	3.97	8.96	9649	2059	979	13500	7580	1.27	425	13.0
	RAM	1.05	1.04	.00	.00	1.22	1.36	-.34	.01	.00
	BLEED	-1.31	-.53	-.00	.39	-1.13	-2.08	1.60	.08	.00
	POWER	-4.00	1.56	.00	3.91	-.68	-1.18	2.76	-.02	.00
2.00	7.26	13.36	13542	2059	1020	22300	10000	1.35	364	4.0
	RAM	1.09	1.09	.00	.00	1.24	1.42	-.35	.01	.00
	BLEED	-1.39	-.55	-.01	.41	-1.15	-2.60	2.13	.03	.00
	POWER	-2.77	1.09	.00	2.72	-.36	-.80	1.90	-.01	.00
2.50	14.9	19.70	17618	2059	1042	35300	12100	1.46	298	.0
	RAM	1.16	1.16	.00	.00	1.29	1.53	-.41	.01	.00
	BLEED	-1.48	-.49	-.01	.49	-1.14	-3.37	3.04	.02	.00
	POWER	-1.86	.83	.00	1.82	-.19	-.56	1.40	-.00	.00
2.70	19.8	22.97	19029	2059	1042	41800	12500	1.52	274	.0
	RAM	1.19	1.19	.00	.00	1.32	1.61	-.39	.01	.00
	BLEED	-1.42	-.43	.00	.44	-1.11	-3.77	3.53	.02	.00
	POWER	-1.60	.77	-.00	1.57	-.15	-.51	1.29	-.00	.00

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GENERAL ELECTRIC GF4/15G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.57	5920	6040	1.26	1172	33.1	125	1790
	P2 =	4.72	RAM	1.04	1.39	-.38	-.00	1.04	1.04	-.00
	T2 =	624	BLBED	.04	-1.45	2.03	-.18	-.65	.04	.63
	ERI =	0	POWER	-.14	7.34	4.13	.57	2.68	-.14	5.79
2.00	NR =	.925	7.25	12300	8520	1.37	1340	52.7	194	1895
	P2 =	9.59	RAM	1.10	1.51	-.45	.00	1.10	1.10	.00
	T2 =	774	BLBED	.02	-1.96	2.54	-.16	-.70	.02	.54
	ERI =	0	POWER	-.04	5.21	2.12	.34	1.57	-.04	3.31
2.50	NR =	.870	14.9	23200	10500	1.50	1531	80.4	294	1951
	P2 =	19.74	RAM	1.16	1.59	-.47	.00	1.16	1.16	.00
	T2 =	963	BLBED	.01	-2.45	3.28	-.16	-.72	.01	.53
	ERI =	0	POWER	-.01	4.19	1.13	.16	1.00	-.01	2.05
2.70	NR =	.846	19.8	29300	10600	1.58	1610	93.6	343	1950
	P2 =	26.21	RAM	1.19	1.62	-.41	.00	1.19	1.19	-.01
	T2 =	1050	BLBED	.02	-2.96	3.86	-.16	-.73	.02	.48
	ERI =	0	POWER	-.02	4.03	.81	.13	.84	-.02	1.71

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	WZK	BTANG
1.50	31.57	7.39	7640	1790	1095	12100	6160	1.24	427	13.0
	RAM	1.04	1.04	-0.00	+0.00	1.24	1.43	-0.42	.02	.00
	BLEED	-0.81	.53	.63	-0.00	-0.73	-1.46	2.04	.04	.00
	POWER	3.18	11.62	5.79	-0.08	3.70	7.40	4.08	-0.14	.00
2.00	7.25	11.85	11633	1895	1094	20900	8650	1.34	364	4.0
	RAM	1.10	1.09	.00	-0.00	1.25	1.47	-0.41	.01	.00
	BLEED	-0.87	.51	.54	.10	-0.78	-1.92	2.50	.02	.00
	POWER	1.72	7.42	3.31	.09	2.09	5.12	2.22	-0.04	.00
2.50	14.9	18.15	15714	1951	1095	33900	10700	1.47	298	.0
	RAM	1.16	1.16	.00	.00	1.29	1.58	-0.46	.01	.00
	BLEED	-0.68	.71	.53	-0.01	-0.76	-2.43	3.26	.01	.00
	POWER	1.15	5.37	2.05	-0.00	1.30	4.16	1.16	-0.01	.00
2.70	19.8	21.16	16809	1950	1095	40200	10900	1.54	274	.0
	RAM	1.18	1.18	-0.01	.01	1.32	1.65	-0.44	.01	.00
	BLEED	-0.75	.73	.48	.04	-0.78	-2.93	3.83	.02	.00
	POWER	.92	4.88	1.71	.03	1.07	3.98	.85	-0.02	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.57	5930	4670	1.30	1160	31.4	125	1563
	P2 =	4.72	RAM	1.04	1449	-.50	-.00	1.04	1.04	-.01
	T2 =	624	BLEED	.03	-1443	2.53	-.10	-.56	.03	.84
	ERI =	0	POWER	-.09	7458	3.82	.30	2.46	-.09	5.25
2.00	NR =	.925	7.25	12300	6420	1.41	1329	50.0	195	1662
	P2 =	9.59	RAM	1.10	1463	-.60	-.00	1.09	1.10	-.00
	T2 =	774	BLEED	.02	-1496	3.16	-.13	-.61	.02	.75
	ERI =	0	POWER	-.04	6452	1.84	.24	1.66	-.04	3.45
2.50	NR =	.870	14.9	23300	7240	1.61	1518	76.2	294	1710
	P2 =	19.74	RAM	1.16	1475	-.66	.00	1.16	1.16	.00
	T2 =	963	BLEED	.01	-2.97	4.47	-.14	-.65	.01	.65
	ERI =	0	POWER	-.02	6413	.68	.17	1.15	-.02	2.31
2.70	NR =	.846	19.8	29300	6810	1.76	1596	88.5	343	1705
	P2 =	26.21	RAM	1.19	1486	-.61	.00	1.19	1.19	-.00
	T2 =	1050	BLEED	.01	-4107	5.71	-.16	-.70	.01	.54
	ERI =	0	POWER	-.01	6.85	.01	.16	1.04	-.01	2.06

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

MO	P2/PO	P8/PO	WFF	T8	A8	FG8	FNB	SFCB	W2K	BTANG
1.50	3.57	5.95	6061	1563	1257	10700	4810	1.26	428	13.0
	RAM	1.04	1.02	-.01	-.00	1.27	1.54	-.56	.02	.00
	BLEED	-.53	1.05	.84	.02	-.63	-1.44	2.54	.03	.00
	POWER	2.63	11.53	5.25	.18	3.37	7.65	3.75	-.09	.00
2.00	7.25	9.54	9052	1662	1257	18900	6550	1.38	364	4.0
	RAM	1.09	1.08	-.00	.00	1.27	1.59	-.56	.01	.00
	BLEED	-.56	1.10	.75	-.00	-.65	-1.92	3.11	.02	.00
	POWER	1.89	8.46	3.45	-.01	2.19	6.38	1.97	-.04	.00
2.50	14.9	14.61	11651	1710	1258	30700	7440	1.57	299	.0
	RAM	1.16	1.15	.00	.00	1.31	1.76	-.67	.01	.00
	BLEED	-.81	1.30	.65	-.01	-.70	-2.93	4.42	.01	.00
	POWER	1.28	6.86	2.31	-.01	1.45	6.04	.76	-.02	.00
2.70	19.8	17.00	11995	1705	1257	36400	7070	1.70	274	.0
	RAM	1.19	1.19	-.00	.00	1.33	1.92	-.67	.01	.00
	BLEED	-.69	1.29	.54	.00	-.76	-3.96	5.58	.01	.00
	POWER	1.14	5.86	2.06	-.00	1.29	6.68	.17	-.01	.00

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CONFIDENTIAL

13. 65000 FEET

PREVIOUS PAGE WAS BLANK, THEREFORE WAS NOT FILLED.

CONFIDENTIAL

GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 65000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.56	3830	8800	1.88	1113	23.5	85	2059
	P2 =	2.92	RAM	1.05	1430	-.35	-.00	1.05	1.05	.00
	T2 =	566	BLEED	.07	-1473	1.05	-.26	-.91	.07	-.00
	ERI =	0	POWER	-.03	-1.95	3.14	.11	.46	-.03	.01
1.80	NR =	.945	5.43	6120	11400	1.87	1204	31.3	113	2059
	P2 =	4.44	RAM	1.07	1432	-.33	-.00	1.07	1.07	.00
	T2 =	643	BLEED	.06	-1487	1.18	-.25	-.91	.06	-.01
	ERI =	0	POWER	-.03	-1477	2.69	.09	.35	-.03	.00
2.00	NR =	.925	7.24	8150	13200	1.88	1269	37.5	135	2059
	P2 =	5.92	RAM	1.10	1428	-.26	-.00	1.10	1.10	.00
	T2 =	702	BLEED	.05	-1.92	1.21	-.25	-.93	.05	-.01
	ERI =	0	POWER	-.01	-1444	2.24	.07	.30	-.01	.01
2.30	NR =	.893	11.2	12200	16100	1.92	1374	48.8	176	2059
	P2 =	9.14	RAM	1.13	1.30	-.22	.00	1.13	1.13	.00
	T2 =	802	BLEED	.02	-2.67	.83	-.20	-.94	.02	.00
	ERI =	0	POWER	-.01	-5419	-1.63	.05	.25	-.01	.00
2.50	NR =	.870	14.9	15700	17700	1.94	1450	57.7	209	2059
	P2 =	12.18	RAM	1.16	1433	-.19	-.00	1.16	1.16	.00
	T2 =	876	BLEED	.02	-3117	.83	-.19	-.94	.02	-.01
	ERI =	1	POWER	-.00	-4.95	-1.21	.03	.22	-.00	.00
2.70	NR =	.846	19.8	19800	19400	1.99	1524	67.2	244	2059
	P2 =	16.16	RAM	1.19	1432	-.12	.00	1.19	1.19	.00
	T2 =	955	BLEED	.02	-3.27	.99	-.20	-.95	.02	-.01
	ERI =	1	POWER	-.00	-4.64	-.98	.03	.19	-.00	.00

CONFIDENTIAL

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 65000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
1.50	3.56	9.72	16563	3458	1340	12700	8880	1.87	447	4.0
	RAM	1.05	.97	.02	.01	1.23	1.31	-.36	.02	.00
	BLEED	-1.37	-.70	-.10	.40	-1.20	-1.75	1.07	.07	.00
	POWER	-6.12	1.17	-.67	5.70	-1.37	-1.94	3.13	-.03	.00
1.80	5.43	12.48	21212	3472	1386	17600	11500	1.85	417	.0
	RAM	1.07	1.01	.01	-.00	1.23	1.31	-.32	.02	.00
	BLEED	-1.42	-.72	-.08	.44	-1.18	-1.84	1.15	.06	.00
	POWER	-4.89	.90	-.65	4.47	-1.05	-1.60	2.51	-.03	.00
2.00	7.24	14.65	24744	3476	1412	21500	13400	1.85	391	.0
	RAM	1.10	1.04	.01	.00	1.25	1.34	-.32	.02	.00
	BLEED	-1.46	-.74	-.10	.45	-1.19	-1.95	1.24	.05	.00
	POWER	-4.19	.77	-.59	3.81	-.86	-1.38	2.17	-.01	.00
2.30	11.2	18.57	30982	3481	1447	28900	16700	1.86	353	.0
	RAM	1.13	1.09	.01	.00	1.27	1.37	-.30	.02	.00
	BLEED	-1.53	-1.87	-.66	.14	-1.56	-2.72	.88	.02	.00
	POWER	-3.02	-6.77	-4.25	.28	-3.06	-5.29	-1.54	-.01	.00
2.50	14.9	21.63	34292	3411	1450	34300	18600	1.84	328	.0
	RAM	1.17	1.15	.01	-.00	1.30	1.41	-.28	.02	.00
	BLEED	-1.55	-2.38	-.95	-.02	-1.73	-3.21	.88	.02	.00
	POWER	-2.53	-6.11	-3.88	.08	-2.72	-5.01	-1.14	-.00	.00
2.70	19.8	25.14	38723	3403	1450	40600	20800	1.86	301	.0
	RAM	1.19	1.19	-.00	+.00	1.32	1.44	-.23	.01	.00
	BLEED	-1.48	-2.33	-.89	+.05	-1.69	-3.31	1.03	.02	.00
	POWER	-2.18	-5.57	-3.47	+.00	-2.41	-4.69	-.92	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 65000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.56	3830	7980	1.68	1114	23.5	85	2059
	P2 =	2.92	RAM	1.05	1431	-.35	-.00	1.05	1.05	.00
	T2 =	566	BLEED	.07	-1177	1.11	-.26	-.90	.07	-.01
	ERI =	0	POWER	-.03	-1164	2.99	.11	.46	-.03	.00
1.80	NR =	.945	5.43	6120	10200	1.69	1205	31.4	113	2059
	P2 =	4.44	RAM	1.07	1433	-.33	-.00	1.07	1.07	.00
	T2 =	643	BLEED	.07	-1187	1.23	-.25	-.90	.07	.00
	ERI =	0	POWER	-.03	-1132	2.36	.09	.34	-.03	.00
2.00	NR =	.925	7.24	8140	11800	1.70	1270	37.6	135	2059
	P2 =	5.92	RAM	1.10	1430	-.27	-.00	1.10	1.10	.00
	T2 =	702	BLEED	.05	-1196	1.28	-.25	-.93	.05	-.01
	ERI =	0	POWER	-.01	-1118	2.06	.06	.29	-.01	-.02
2.30	NR =	.893	11.2	12200	14300	1.75	1375	48.9	176	2059
	P2 =	9.14	RAM	1.13	1431	-.23	.00	1.14	1.13	.00
	T2 =	802	BLEED	.02	-2118	1.50	-.22	-.95	.02	-.02
	ERI =	0	POWER	-.01	-1221	1.92	.05	.24	-.01	-.02
2.50	NR =	.870	14.9	15700	15900	1.80	1451	57.9	209	2059
	P2 =	12.18	RAM	1.16	1433	-.21	-.00	1.16	1.16	-.00
	T2 =	876	BLEED	.02	-2334	1.67	-.18	-.94	.02	-.01
	ERI =	0	POWER	-.00	-1104	1.68	.03	.22	-.00	.00
2.70	NR =	.846	19.8	19800	17400	1.85	1525	67.4	244	2059
	P2 =	16.16	RAM	1.19	1431	-.14	.00	1.19	1.19	-.00
	T2 =	955	BLEED	.02	-2144	1.79	-.20	-.95	.02	-.01
	ERI =	0	POWER	-.00	-1194	1.51	.03	.19	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.9- 2.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 65000 FEET

MO	P2/PO	P8/PO	WFT	T8	AR	FG8	FNB	SFCB	W2K	BTANG
1.50	3.58	9.82	13447	3113	1240	11900	8070	1.67	447	4.0
	RAM	1.05	.98	-.01	+.01	1.21	1.29	-.33	.02	.00
	BLEED	-1.37	-.69	-.03	.43	-1.16	-1.75	1.09	-.07	.00
	POWER	-6.05	1.34	-.31	5.84	-1.15	-1.68	3.04	-.03	.00
1.80	5.43	12.62	17187	3103	1279	16400	10300	1.67	417	.0
	RAM	1.07	1.02	-.01	-.01	1.22	1.31	-.30	.02	.00
	BLEED	-1.38	-.68	-.03	.43	-1.14	-1.86	1.21	-.07	.00
	POWER	-4.81	1.03	-.41	4.55	-.90	-1.42	2.47	-.03	.00
2.00	7.24	14.83	20006	3098	1299	20100	11900	1.68	391	.0
	RAM	1.10	1.05	-.00	+.01	1.24	1.33	-.30	.02	.00
	BLEED	-1.45	-.71	-.07	.47	-1.17	-2.00	1.33	.05	.00
	POWER	-4.17	.86	-.44	3.91	-.77	-1.28	2.16	-.01	.00
2.30	11.2	18.81	24931	3092	1330	26900	14700	1.70	353	.0
	RAM	1.14	1.10	.00	+.00	1.27	1.37	-.30	.02	.00
	BLEED	-1.53	-.74	-.07	.52	-1.18	-2.19	1.50	-.02	.00
	POWER	-3.25	.69	-.34	3.06	-.54	-.99	1.70	-.01	.00
2.50	14.9	21.89	28581	3088	1350	32300	16600	1.72	327	.0
	RAM	1.17	1.13	-.01	+.01	1.28	1.40	-.29	.02	.00
	BLEED	-1.60	-.72	-.05	.59	-1.17	-2.30	1.64	.02	.00
	POWER	-2.74	.62	-.24	2.60	-.41	-.79	1.43	-.00	.00
2.70	19.8	25.44	32180	3082	1351	38200	18400	1.75	301	.0
	RAM	1.19	1.16	-.02	+.01	1.31	1.43	-.25	.01	.00
	BLEED	-1.52	-.72	-.04	.52	-1.15	-2.41	1.75	.02	.00
	POWER	-2.37	.55	-.20	2.25	-.33	-.69	1.25	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 65000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.56	3830	6810	1.51	1115	23.6	85	2059
	P2 =	2.92	RAM	1.05	1.38	-.40	-.00	1.05	1.05	-.00
	T2 =	566	BLEED	.07	-1.93	1.31	-.26	-.90	.07	-.01
	ERI =	0	POWER	-.03	-1.89	3.52	.11	.45	-.03	-.00
1.80	NR =	.945	5.43	6120	8580	1.53	1206	31.5	113	2059
	P2 =	4.44	RAM	1.07	1.32	-.30	-.00	1.07	1.07	.00
	T2 =	643	BLEED	.07	-1.97	1.39	-.26	-.90	.07	.01
	ERI =	0	POWER	-.03	-1.46	2.74	.09	.34	-.03	.00
2.00	NR =	.925	7.24	8140	9830	1.55	1271	37.7	135	2059
	P2 =	5.92	RAM	1.10	1.38	-.34	-.00	1.10	1.10	.00
	T2 =	702	BLEED	.05	-2.17	1.56	-.24	-.92	.05	-.00
	ERI =	0	POWER	-.01	-1.26	2.35	.06	.29	-.01	.00
2.30	NR =	.893	11.2	12200	11800	1.59	1376	49.1	176	2059
	P2 =	9.14	RAM	1.13	1.36	-.27	.00	1.13	1.13	.00
	T2 =	802	BLEED	.02	-2.34	1.72	-.23	-.94	.02	-.01
	ERI =	0	POWER	-.01	-.95	1.83	.05	.24	-.01	.00
2.50	NR =	.870	14.9	15700	13100	1.64	1452	58.1	209	2059
	P2 =	12.18	RAM	1.16	1.38	-.25	-.00	1.16	1.16	.00
	T2 =	876	BLEED	.02	-2.55	1.96	-.18	-.94	.02	-.01
	ERI =	0	POWER	-.00	-.85	1.62	.03	.22	-.00	.00
2.70	NR =	.846	19.8	19800	14100	1.70	1526	67.6	243	2059
	P2 =	16.16	RAM	1.19	1.37	-.19	.00	1.19	1.19	.00
	T2 =	955	BLEED	.02	-2.71	2.15	-.20	-.94	.02	.00
	ERI =	0	POWER	-.00	-.78	1.48	.03	.19	-.00	-.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE, 65000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
1.50	31.56	9.95	10313	2602	1107	10700	6900	1.50	447	4.0
	RAM	1.05	1.00	-.01	+.00	1.21	1.30	-.32	.02	.00
	BLEED	-1.36	-.65	-.02	.42	-1.15	-1.83	1.21	.07	.00
	POWER	-5.95	1.62	-.17	5.74	-1.04	-1.60	3.24	-.03	.00
1.80	51.43	12.79	13140	2599	1142	14800	8690	1.51	416	4.0
	RAM	1.07	1.04	.00	-.00	1.22	1.33	-.31	.02	.00
	BLEED	-1.34	-.63	-.03	.40	-1.12	-1.96	1.37	.07	.00
	POWER	-4.70	1.26	-.28	4.45	-.80	-1.35	2.62	-.03	.00
2.00	71.24	15.03	15237	2599	1161	18100	9960	1.53	391	.0
	RAM	1.10	1.07	.01	.00	1.24	1.36	-.31	.02	.00
	BLEED	-1.42	-.65	-.05	.44	-1.15	-2.13	1.52	.05	.00
	POWER	-4.06	1.08	-.29	3.82	-.66	-1.20	2.29	-.01	.00
2.30	11.2	19.08	18838	2599	1190	24300	12000	1.56	353	.0
	RAM	1.13	1.11	.01	.00	1.27	1.40	-.31	.02	.00
	BLEED	-1.45	-.67	-.05	.45	-1.16	-2.36	1.75	.02	.00
	POWER	-3.16	.67	-.22	2.99	-.47	-.93	1.81	-.01	.00
2.50	14.9	22.22	21445	2598	1207	29200	13500	1.59	327	.0
	RAM	1.17	1.14	-.00	+.01	1.28	1.43	-.31	.02	.00
	BLEED	-1.58	-.67	-.03	.58	-1.16	-2.53	1.94	.02	.00
	POWER	-2.68	.76	-.15	2.55	-.35	-.76	1.53	-.00	.00
2.70	19.8	25.81	23932	2594	1209	34500	14700	1.63	301	.0
	RAM	1.19	1.17	-.01	+.00	1.31	1.46	-.27	.01	.00
	BLEED	-1.50	-.64	-.02	.50	-1.13	-2.68	2.13	.02	.00
	POWER	-2.31	.88	-.13	2.20	-.29	-.67	1.36	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 65000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.56	3830	5620	1.31	1116	23.7	85	2059
	P2 =	2.92	RAM	1.05	1125	-.30	-.00	1.05	-1.05	-.00
	T2 =	566	BLEED	.07	-1191	1.42	-.26	-.90	.07	-.00
	ERI =	0	POWER	-.04	-1.86	3.96	.11	.43	-.04	-.00
1.80	NR =	.945	5.43	6120	6910	1.32	1207	31.6	112	2059
	P2 =	4.44	RAM	1.07	1135	-.37	-.00	1.07	1.07	.00
	T2 =	643	BLEED	.08	-2113	1.70	-.26	-.89	.08	.01
	ERI =	0	POWER	-.03	-1.15	2.82	.08	.34	-.03	.00
2.00	NR =	.925	7.24	8140	7780	1.34	1272	37.8	135	2059
	P2 =	5.92	RAM	1.10	1138	-.31	-.00	1.10	1.10	.00
	T2 =	702	BLEED	.05	-2134	1.85	-.24	-.92	.05	.00
	ERI =	0	POWER	-.01	-1105	2.52	.06	.29	-.01	.00
2.30	NR =	.893	11.2	12200	9130	1.39	1377	49.3	176	2059
	P2 =	9.14	RAM	1.13	1145	-.34	.00	1.13	1.13	.00
	T2 =	802	BLEED	.03	-2167	2.19	-.25	-.94	.03	-.01
	ERI =	0	POWER	-.01	-.70	1.88	.05	.24	-.01	.00
2.50	NR =	.870	14.9	15700	9950	1.43	1452	58.3	209	2059
	P2 =	12.18	RAM	1.16	1.46	-.32	-.00	1.16	1.16	.00
	T2 =	876	BLEED	.02	-2.95	2.50	-.18	-.93	.02	-.01
	ERI =	0	POWER	-.00	-.61	1.66	.03	.22	-.00	.00
2.70	NR =	.846	19.8	19800	10500	1.49	1527	67.8	243	2059
	P2 =	16.16	RAM	1.19	1.46	-.25	.00	1.19	1.19	.00
	T2 =	955	BLEED	.02	-3.20	2.83	-.19	-.94	.02	.00
	ERI =	0	POWER	-.00	-.56	1.52	.03	.19	-.00	-.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 65000 FEET

MO	P2/P0	P8/P0	HFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
1.50	31.56	10.07	7328	2126	978	9550	5720	1.28	447	13.0
	RAM	1.05	.97	-.04	-.02	1.19	1.29	-.34	.02	.00
	BLEED	-1.35	-.53	.02	.43	-1.12	-1.92	1.43	.07	.00
	POWER	-5.87	2.07	-.05	5.69	-.96	-1.57	3.66	-.04	.00
1.80	51.43	12.96	9124	2109	1005	13100	7010	1.30	416	4.0
	RAM	1.07	1.01	-.03	-.02	1.20	1.32	-.33	.02	.00
	BLEED	-1.31	-.49	.02	.40	-1.08	-2.09	1.66	.08	.00
	POWER	-4.59	1.65	-.05	4.45	-.65	-1.20	2.87	-.03	.00
2.00	71.24	15.24	10444	2104	1021	16000	7880	1.32	391	4.0
	RAM	1.10	1.09	.01	.00	1.24	1.38	-.31	.02	.00
	BLEED	-1.40	-.56	-.01	.44	-1.13	-2.34	1.84	.05	.00
	POWER	-3.98	1.45	-.04	3.87	-.51	-1.03	2.49	-.01	.00
2.30	111.2	19.34	12712	2109	1046	21500	9280	1.37	353	.0
	RAM	1.13	1.13	.01	.01	1.26	1.44	-.33	.02	.00
	BLEED	-1.39	-.57	-.02	.40	-1.13	-2.66	2.18	.03	.00
	POWER	-3.10	1.17	-.05	3.01	-.36	-.82	2.00	-.01	.00
2.50	141.9	22.55	14286	2111	1062	25900	10100	1.41	327	.0
	RAM	1.17	1.16	.00	-.00	1.29	1.47	-.34	.02	.00
	BLEED	-1.57	-.55	-.01	.57	-1.14	-2.94	2.50	.02	.00
	POWER	-2.62	1.04	-.02	2.56	-.26	-.67	1.72	-.00	.00
2.70	191.8	26.19	15639	2111	1064	30600	10800	1.45	300	.0
	RAM	1.19	1.19	.00	.00	1.31	1.53	-.31	.01	.00
	BLEED	-1.48	-.50	-.00	.49	-1.12	-3.20	2.83	.02	.00
	POWER	-2.26	.95	-.01	2.21	-.21	-.60	1.55	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 65000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.56	3830	5460	1.25	1117	23.8	85	2059
	P2 =	2.92	RAM	1.05	1.29	-.26	-.00	1.05	1.05	.00
	T2 =	566	BLEED	.08	-1.95	1.44	-.26	-.89	.08	.00
	ERI =	0	POWER	-.04	-1.77	4.01	.10	.41	-.04	-.00
1.80	NR =	.945	5.43	6120	6730	1.28	1209	31.7	113	2059
	P2 =	4.44	RAM	1.07	1.39	-.35	-.00	1.07	1.07	.00
	T2 =	643	BLEED	.08	-2.19	1.72	-.27	-.88	.08	-.00
	ERI =	0	POWER	-.03	-1.13	2.89	.08	.34	-.03	.00
2.00	NR =	.925	7.24	8140	7590	1.31	1273	38.0	135	2059
	P2 =	5.92	RAM	1.10	1.38	-.31	-.00	1.10	1.10	.00
	T2 =	702	BLEED	.05	-2.34	1.88	-.24	-.91	.05	.01
	ERI =	0	POWER	-.01	-.99	2.51	.06	.29	-.01	.00
2.30	NR =	.893	11.2	12200	8850	1.36	1379	49.5	176	2059
	P2 =	9.14	RAM	1.13	1.45	-.34	.00	1.14	1.13	.00
	T2 =	802	BLEED	.03	-2.71	2.26	-.25	-.94	.03	-.01
	ERI =	0	POWER	-.01	-.68	1.91	.05	.24	-.01	.00
2.50	NR =	.870	14.9	15700	9600	1.40	1454	58.6	209	2059
	P2 =	12.18	RAM	1.16	1.46	-.33	-.00	1.16	1.16	.00
	T2 =	876	BLEED	.02	-3.01	2.60	-.18	-.93	.02	-.01
	ERI =	0	POWER	-.00	-1.61	1.70	.03	.22	-.00	-.00
2.70	NR =	.846	19.8	19800	10100	1.46	1528	68.1	243	2059
	P2 =	16.16	RAM	1.19	1.47	-.26	.00	1.19	1.19	.00
	T2 =	955	BLEED	.02	-3.25	2.93	-.19	-.93	.02	.01
	ERI =	0	POWER	-.00	-.53	1.53	.03	.19	-.00	-.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

65000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FN8	SFCB	W2K	BTANG
1.50	36.56	10.15	6847	2059	954	9380	5560	1.23	446	13.0
	RAM	1.05	1.04	.00	-.00	1.21	1.32	-.30	.02	.00
	BLEED	-1.34	-.55	.00	.42	-1.12	-1.95	1.45	.08	.00
	POWER	-5.86	2.22	-.00	5.72	-.92	-1.53	3.76	-.04	.00
1.80	51.43	13.06	8647	2059	985	13000	6840	1.26	416	4.0
	RAM	1.07	1.07	.00	+.00	1.22	1.35	-.30	.02	.00
	BLEED	-1.30	-.53	-.00	.38	-1.09	-2.14	1.67	.08	.00
	POWER	-4.53	1.74	.00	4.42	-.61	-1.14	2.89	-.03	.00
2.00	7.24	15.36	9935	2059	1001	15800	7690	1.29	390	4.0
	RAM	1.10	1.09	.00	-.00	1.23	1.38	-.30	.02	.00
	BLEED	-1.39	-.53	.01	.44	-1.11	-2.35	1.88	.05	.00
	POWER	-3.95	1.51	.00	3.87	-.48	-.98	2.50	-.01	.00
2.30	11.2	19.50	12046	2059	1025	21200	9000	1.34	353	.0
	RAM	1.13	1.13	.00	.00	1.26	1.43	-.32	.02	.00
	BLEED	-1.38	-.55	-.01	.40	-1.12	-2.68	2.23	.03	.00
	POWER	-3.07	1.22	.00	3.01	-.32	-.76	1.99	-.01	.00
2.50	14.9	22.75	13476	2059	1039	25500	9790	1.38	327	.0
	RAM	1.17	1.16	.00	-.00	1.28	1.47	-.34	.02	.00
	BLEED	-1.56	-.52	-.01	.57	-1.14	-2.99	2.59	.02	.00
	POWER	-2.60	1.08	-.00	2.55	-.25	-.65	1.75	-.00	.00
2.70	19.8	26.41	14713	2059	1042	30100	10300	1.42	300	.0
	RAM	1.19	1.19	.00	.00	1.31	1.53	-.32	.01	.00
	BLEED	-1.47	-.47	.01	.49	-1.11	-3.27	2.94	.02	.00
	POWER	-2.24	.99	-.00	2.20	-.20	-.58	1.58	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 65000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.56	3840	4640	1.21	1105	22.7	85	1825
	P2 =	2.92	RAM	1.05	1.33	-.31	-.00	1.05	1.05	-.00
	T2 =	566	BLEED	.04	-1.26	1.84	-.17	-.64	.04	.67
	ERI =	0	POWER	-.19	9.90	6.61	.82	3.95	-.19	8.60
1.80	NR =	.945	5.43	6130	6040	1.26	1200	30.8	113	1912
	P2 =	4.44	RAM	1.07	1.41	-.39	-.00	1.07	1.07	-.01
	T2 =	643	BLEED	.04	-1.52	2.01	-.19	-.68	.04	.57
	ERI =	0	POWER	-.14	7.57	4.08	.58	2.61	-.14	5.78
2.00	NR =	.925	7.24	8150	6990	1.30	1267	37.2	135	1954
	P2 =	5.92	RAM	1.10	1.38	-.33	-.00	1.09	1.10	-.02
	T2 =	702	BLEED	.04	-1.65	2.11	-.20	-.70	.04	.53
	ERI =	0	POWER	-.09	6.55	3.33	.48	2.20	-.09	4.76
2.30	NR =	.893	11.2	12200	8500	1.36	1376	49.0	176	2011
	P2 =	9.14	RAM	1.13	1.42	-.35	-.00	1.13	1.13	-.02
	T2 =	802	BLEED	.02	-1.94	2.36	-.20	-.74	.02	.48
	ERI =	0	POWER	-.03	5.04	2.29	.34	1.59	-.03	3.29
2.50	NR =	.870	14.9	15700	9480	1.40	1453	58.4	209	2045
	P2 =	12.18	RAM	1.16	1.46	-.33	-.00	1.16	1.16	-.00
	T2 =	876	BLEED	.01	-2.17	2.61	-.15	-.74	.01	.45
	ERI =	0	POWER	-.01	.87	1.73	.08	.54	-.01	.78
2.70	NR =	.846	19.8	19800	10000	1.46	1528	68.0	243	2051
	P2 =	16.16	RAM	1.19	1.47	-.26	.00	1.19	1.19	.00
	T2 =	955	BLEED	.02	-2.77	2.93	-.18	-.83	.02	.25
	ERI =	0	POWER	-.01	.23	1.52	.06	.34	-.01	.37

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 7.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

MO	P2/P0	P8/P0	WFF	T8	A8	FG8	FNB	SFCB	W2K	BTANG
1.50	3.56	8.65	5628	1825	1045	8570	4730	1.19	448	13.0
	RAM	1.05	1.04	-.00	.00	1.22	1.37	-.35	.02	.00
	BLEED	-.59	.54	.67	.00	-.69	-1.28	1.86	.04	.00
	POWER	4.70	16.72	8.60	-.06	5.47	10.06	6.45	-.19	.00
1.80	5.43	11.79	7632	1912	1045	12300	6140	1.24	417	4.0
	RAM	1.06	1.05	-.01	.01	1.22	1.36	-.33	.02	.00
	BLEED	-.63	.44	.57	-.00	-.72	-1.48	1.96	.04	.00
	POWER	3.16	11.78	5.78	-.05	3.61	7.35	4.29	-.14	.00
2.00	7.24	14.27	9067	1954	1045	15200	7090	1.28	391	4.0
	RAM	1.08	1.07	-.02	.01	1.23	1.38	-.33	.02	.00
	BLEED	-.66	.40	.53	-.00	-.74	-1.64	2.09	.04	.00
	POWER	2.60	10.00	4.76	-.01	2.97	6.50	3.38	-.09	.00
2.30	11.2	18.86	11536	2011	1045	20800	8640	1.34	353	.0
	RAM	1.11	1.10	-.02	.01	1.25	1.41	-.33	.02	.00
	BLEED	-.72	.35	.48	.01	-.78	-1.92	2.34	.02	.00
	POWER	1.48	7.41	3.29	.33	2.04	4.96	2.36	-.03	.00
2.50	14.9	22.52	13297	2045	1045	25400	9660	1.38	327	.0
	RAM	1.16	1.16	-.00	-.00	1.28	1.47	-.34	.02	.00
	BLEED	-.89	.36	.45	.16	-.81	-2.15	2.60	.01	.00
	POWER	-1.46	2.62	.78	1.84	.31	.83	1.77	-.01	.00
2.70	19.8	26.27	14600	2051	1045	30100	10300	1.42	300	.0
	RAM	1.19	1.19	.00	.00	1.31	1.54	-.32	.01	.00
	BLEED	-1.11	.03	.25	.27	-.94	-2.78	2.93	.02	.00
	POWER	-1.71	1.76	.37	1.87	.06	.19	1.57	-.01	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 65000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.96	3840	4260	1.21	1100	22.2	85	1727
	P2 =	2.92	RAM	1.05	1.36	-.34	-.00	1.05	1.05	-.00
	T2 =	566	BLEED	.03	-1.34	1.93	-.17	-.64	.03	.68
	ERI =	0	POWER	-.17	10.24	6.11	.80	3.95	-.17	8.50
1.80	NR =	.945	5.43	6140	5540	1.25	1195	30.1	113	1807
	P2 =	4.44	RAM	1.07	1.43	-.39	-.00	1.07	1.07	-.00
	T2 =	643	BLEED	.04	-1.54	2.12	-.18	-.66	.04	.62
	ERI =	0	POWER	-.14	8.47	4.12	.62	2.92	-.14	6.28
2.00	NR =	.925	7.24	8150	6380	1.29	1261	36.4	135	1849
	P2 =	5.92	RAM	1.10	1.42	-.36	-.00	1.09	1.10	-.00
	T2 =	702	BLEED	.03	-1.65	2.26	-.19	-.67	.03	.61
	ERI =	0	POWER	-.09	7.56	3.38	.53	2.46	-.09	5.27
2.30	NR =	.893	11.2	12200	7740	1.35	1370	48.0	176	1909
	P2 =	9.14	RAM	1.13	1.51	-.41	-.00	1.13	1.13	-.00
	T2 =	802	BLEED	.02	-1.78	2.61	-.13	-.66	.02	.66
	ERI =	0	POWER	-.03	5.69	2.19	.28	1.64	-.03	3.47
2.50	NR =	.870	14.9	15700	8580	1.40	1449	57.2	209	1945
	P2 =	12.18	RAM	1.16	1.48	-.36	-.00	1.16	1.16	-.00
	T2 =	876	BLEED	.01	-2.01	2.82	-.15	-.69	.01	.61
	ERI =	0	POWER	-.02	5.04	1.73	.21	1.36	-.02	2.82
2.70	NR =	.846	19.8	19800	8950	1.47	1522	66.6	244	1949
	P2 =	16.16	RAM	1.19	1.54	-.33	.00	1.19	1.19	.00
	T2 =	955	BLEED	.01	-2.32	3.20	-.16	-.70	.01	.57
	ERI =	0	POWER	-.02	5.00	1.35	.20	1.21	-.02	2.48

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 65000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
1.50	3.56	7.99	5143	1727	1095	8200	4350	1.18	448	13.0
	RAM	1.05	1.04	-.00	.00	1.23	1.40	-.38	.02	.00
	BLEED	-.59	.55	.68	.00	-.70	-1.35	1.94	.03	.00
	POWER	4.60	16.55	8.50	-.03	5.41	10.33	6.03	-.17	.00
1.80	5.43	10.89	6935	1807	1095	11800	5620	1.23	417	4.0
	RAM	1.07	1.07	-.00	.00	1.23	1.40	-.36	.02	.00
	BLEED	-.60	.54	.62	+.01	-.70	-1.51	2.09	.04	.00
	POWER	3.34	12.74	6.28	.03	3.91	8.32	4.26	-.14	.00
2.00	7.24	13.19	8230	1849	1094	14600	6470	1.27	391	4.0
	RAM	1.09	1.09	-.00	.00	1.24	1.42	-.36	.02	.00
	BLEED	-.61	.56	.61	+.02	-.71	-1.63	2.25	.03	.00
	POWER	2.74	11.08	5.27	.11	3.27	7.51	3.43	-.09	.00
2.30	11.2	17.44	10465	1909	1096	20100	7850	1.33	353	.0
	RAM	1.14	1.13	-.00	-.00	1.26	1.47	-.37	.02	.00
	BLEED	-.60	.75	.66	+.01	-.67	-1.75	2.57	.02	.00
	POWER	1.99	7.97	3.47	+.06	2.19	5.65	2.23	-.03	.00
2.50	14.9	20.85	12050	1945	1095	24500	8740	1.38	328	.0
	RAM	1.16	1.15	-.00	.00	1.29	1.50	-.38	.02	.00
	BLEED	-.64	.73	.61	-.00	-.70	-2.00	2.81	.01	.00
	POWER	1.59	6.85	2.82	-.01	1.78	5.01	1.76	-.02	.00
2.70	19.8	24.30	13118	1949	1095	29000	9180	1.43	301	.0
	RAM	1.19	1.19	.00	.00	1.31	1.58	-.36	.01	.00
	BLEED	-.63	.76	.57	+.03	-.72	-2.30	3.17	.01	.00
	POWER	1.40	6.42	2.48	+.02	1.56	4.96	1.40	-.02	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 65000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.56	3850	3350	1.23	1090	21.1	85	1510
	P2 =	2.92	RAM	1.05	1444	-.44	-.00	1.05	1.05	-.01
	T2 =	566	BLEED	.03	-1.38	2.33	-.09	-.58	.03	.82
	ERI =	0	POWER	-.12	10498	5.50	.43	3.70	-.12	7.97
1.80	NR =	.945	5.43	6150	4310	1.27	1183	28.5	113	1576
	P2 =	4.44	RAM	1.07	1456	-.55	-.00	1.07	1.07	-.00
	T2 =	643	BLEED	.03	-1444	2.63	-.10	-.55	.03	.88
	ERI =	0	POWER	-.10	9450	3.56	.34	2.79	-.10	5.99
2.00	NR =	.925	7.24	8170	4910	1.32	1250	34.5	136	1616
	P2 =	5.92	RAM	1.10	1447	-.46	-.00	1.09	1.10	-.02
	T2 =	702	BLEED	.03	-1460	2.80	-.11	-.57	.03	.83
	ERI =	0	POWER	-.07	8432	2.99	.31	2.34	-.07	4.95
2.30	NR =	.893	11.2	12200	5850	1.39	1360	45.6	177	1678
	P2 =	9.14	RAM	1.13	1457	-.50	-.00	1.13	1.13	-.00
	T2 =	802	BLEED	.02	-2408	3.24	-.13	-.63	.02	.71
	ERI =	0	POWER	-.04	7120	2.04	.27	1.81	-.04	3.73
2.50	NR =	.870	14.9	15700	6310	1.46	1436	54.2	209	1707
	P2 =	12.18	RAM	1.16	1459	-.50	-.00	1.16	1.16	-.01
	T2 =	876	BLEED	.01	-2422	3.64	-.11	-.61	.01	.75
	ERI =	0	POWER	-.02	7411	1.47	.25	1.60	-.02	3.25
2.70	NR =	.846	19.8	19800	6260	1.56	1510	63.1	244	1710
	P2 =	16.16	RAM	1.19	1465	-.43	.00	1.19	1.19	.00
	T2 =	955	BLEED	.01	-2482	4.29	-.14	-.65	.01	.66
	ERI =	0	POWER	-.02	7410	.96	.20	1.38	-.02	2.78

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 11-0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 6500 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
1.50	31.56	6.43	4134	1510	1257	7310	3470	1.19	449	13.0
	RAM	1.05	1.03	-.01	+.00	1.26	1.49	-.50	.02	.00
	BLEED	-.55	.91	.82	.03	-.64	-1.38	2.34	.03	.00
	POWER	4.40	16.67	7.97	-.11	5.17	11.05	5.43	-.12	.00
1.80	5.43	8.76	5483	1576	1257	10500	4400	1.25	418	4.0
	RAM	1.07	1.06	-.00	+.00	1.25	1.50	-.48	.02	.00
	BLEED	-.45	1.13	.88	+.03	-.57	-1.39	2.58	.03	.00
	POWER	3.29	13.21	5.99	+.07	3.78	9.21	3.85	-.10	.00
2.00	7.24	10.68	6460	1616	1258	13200	5010	1.29	392	4.0
	RAM	1.07	1.05	-.02	.02	1.25	1.49	-.47	.02	.00
	BLEED	-.48	1.14	.83	+.03	-.59	-1.59	2.79	.03	.00
	POWER	2.68	11.44	4.95	.00	3.10	8.28	3.03	-.07	.00
2.30	11.2	14.08	8137	1678	1257	18200	5960	1.36	353	.0
	RAM	1.13	1.11	-.00	.00	1.28	1.57	-.50	.02	.00
	BLEED	-.61	1.05	.71	.01	-.66	-2.06	3.22	.02	.00
	POWER	1.94	9.33	3.73	.09	2.31	7.13	2.10	-.04	.00
2.50	14.9	16.79	9198	1707	1257	22200	6460	1.42	328	.0
	RAM	1.15	1.12	-.01	.01	1.29	1.60	-.52	.02	.00
	BLEED	-.56	1.29	.75	-.01	-.63	-2.19	3.60	.01	.00
	POWER	1.79	8.66	3.25	+.00	2.03	7.02	1.56	-.02	.00
2.70	19.8	19.58	9776	1710	1257	26300	6510	1.50	301	.0
	RAM	1.19	1.18	.00	+.00	1.33	1.74	-.51	.01	.00
	BLEED	-.60	1.29	.66	+.02	-.68	-2.79	4.26	.01	.00
	POWER	1.93	8.12	2.78	+.01	1.72	7.03	1.02	-.02	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.9.13.8

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

MO		P2/PO	FD	FN	WFT	TE	PE	W2	
1.50	NR =	.971	3.56	2660	530	1200	930	11.7	59
	P2 =	2.92	RAM	.77	1.19	.00	-.12	.61	.77
	T2 =	566	BLEED	-.42	-8.60	.00	-.32	-1.30	-.42
	ERI =	100	POWER	-15.31	-44.41	.00	-4.70	-14.73	-15.31
1.80	NR =	.945	5.43	4020	310	1200	1002	14.7	74
	P2 =	4.44	RAM	.83	1.72	.00	-.10	.69	.83
	T2 =	643	BLEED	-.48	+19.40	.00	-.30	-1.40	-.48
	ERI =	100	POWER	-12.09	+60.92	.00	-3.63	-11.99	-12.09
2.00	NR =	.925	7.24	5310	110	1200	1061	17.5	88
	P2 =	5.92	RAM	.89	4.50	-.00	-.08	.77	.89
	T2 =	702	BLEED	-.42	+65.18	.00	-.32	-1.39	-.42
	ERI =	100	POWER	-10.24	-149.02	.00	-3.05	-10.45	-10.24
2.30	NR =	.893	11.2	8150	-270	1200	1167	23.6	118
	P2 =	9.14	RAM	.99	-2.77	.00	-.06	.89	.99
	T2 =	802	BLEED	-.37	40.00	.00	-.32	-1.39	-.37
	ERI =	100	POWER	-8.35	65.83	.00	-2.12	-8.58	-8.35
2.50	NR =	.870	14.9	10800	-540	1200	1249	29.2	144
	P2 =	12.18	RAM	1.03	-.71	.00	-.05	.95	1.03
	T2 =	876	BLEED	-.41	24.88	.00	-.33	-1.45	-.41
	ERI =	100	POWER	-6.53	25.47	.00	-1.72	-6.87	-6.53
2.70	NR =	.846	19.8	14700	-650	1519	1351	38.0	181
	P2 =	16.16	RAM	1.19	-3.15	1.20	.00	1.20	1.19
	T2 =	955	BLEED	-.60	31.43	-1.77	-.39	-1.77	-.60
	ERI =	100	POWER	-5.42	33.02	-6.09	-1.48	-6.09	-5.42

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.13.8

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

MO	P2/P0	TC	P8/P0	T8	PCN	FGB	FNB	W2K	BTANG
1.50	3.56	962	3.00	962	85.2	3210	550	310	13.0
	RAM	-.32	.58	-.32	-.09	.83	1.14	-.28	.00
	BLEED	.21	-1.22	.21	-.14	-1.77	-8.32	-.42	.00
	POWER	1.37	-14.16	1.37	-4.83	-20.01	-42.77	-15.31	.00
1.80	5.43	957	3.77	957	86.9	4360	340	273	13.0
	RAM	-.28	.68	-.28	-.09	.90	1.77	-.25	.00
	BLEED	.11	-1.40	.11	-.18	-1.84	-18.04	-.48	.00
	POWER	.04	-12.02	.04	-4.29	-15.73	-59.03	-12.09	.00
2.00	7.24	966	4.50	966	88.2	5470	160	255	16.0
	RAM	-.24	.77	-.24	-.09	.97	3.64	-.20	.00
	BLEED	.01	-1.41	.01	-.17	-1.78	-46.09	-.42	.00
	POWER	-.51	-10.40	-.51	-4.08	-13.22	-110.38	-10.24	.00
2.30	11.2	1000	6.11	1000	90.5	7990	-170	235	4.0
	RAM	-.20	.90	-.20	-.02	1.08	-3.22	-.14	.00
	BLEED	-.10	-1.48	-.10	-.06	-1.72	64.29	-.37	.00
	POWER	-.72	-9.00	-.72	-1.30	-10.57	98.05	-8.35	.00
2.50	14.9	1038	7.60	1038	91.3	10400	-460	225	4.0
	RAM	-.16	.94	-.16	-.02	1.12	-.97	-.12	.00
	BLEED	-.15	-1.48	-.15	-.06	-1.74	29.89	-.41	.00
	POWER	-.85	-6.91	-.85	-.95	-8.19	31.28	-6.53	.00
2.70	19.8	1117	9.93	1117	92.5	14200	-530	223	.0
	RAM	.01	1.20	.01	.00	1.39	-3.90	.01	.00
	BLEED	-.39	-1.77	-.39	-.09	-2.06	38.10	-.60	.00
	POWER	-1.47	-6.15	-1.47	-.76	-7.10	39.27	-5.42	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.9.16.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

MO		P2/PO	FD	FN	WFT	TE	PE	W2	
1.50	NR =	.971	3.56	1850	-520	200	810	6.6	41
	P2 =	2.92	RAM	1.02	-.49	.00	-.02	.95	1.02
	T2 =	566	BLEED	-.51	5.02	.00	-.38	-1.59	-.51
	ERI =	111	POWER	-37.70	41.79	.00	-10.96	-40.88	-37.70
1.80	NR =	.945	5.43	3090	-670	200	907	9.6	57
	P2 =	4.44	RAM	1.02	-.58	.00	-.02	.97	1.02
	T2 =	643	BLEED	-.40	6.31	-.00	-.36	-1.51	-.40
	ERI =	100	POWER	-21.63	30.52	.00	-6.96	-24.31	-21.63
2.00	NR =	.925	7.24	4380	-770	254	986	12.7	73
	P2 =	5.92	RAM	1.10	-.71	1.11	.00	1.11	1.10
	T2 =	702	BLEED	-.46	7.83	-1.64	-.39	-1.64	-.46
	ERI =	100	POWER	-16.11	27.15	-18.87	-5.37	-18.87	-16.11
2.30	NR =	.893	11.2	7260	-1000	390	1119	19.5	105
	P2 =	9.14	RAM	1.14	-.41	1.14	.00	1.14	1.14
	T2 =	802	BLEED	-.40	9.13	-1.58	-.38	-1.58	-.40
	ERI =	100	POWER	-9.51	15.45	-11.15	-3.21	-11.15	-9.51
2.50	NR =	.870	14.9	10000	-1180	517	1216	25.8	134
	P2 =	12.18	RAM	1.16	-.83	1.17	.00	1.17	1.16
	T2 =	876	BLEED	-.39	11.17	-1.56	-.38	-1.56	-.39
	ERI =	100	POWER	-6.83	15.56	-7.90	-2.27	-7.90	-6.83
2.70	NR =	.846	19.8	13800	-1400	682	1320	34.1	170
	P2 =	16.16	RAM	1.19	-.48	1.19	.00	1.19	1.19
	T2 =	955	BLEED	-.39	12.21	-1.55	-.37	-1.55	-.39
	ERI =	100	POWER	-4.94	10.49	-5.69	-1.62	-5.69	-4.94

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.16.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

65000 FEET

MO	P2/P0	TC	P8/P0	T8	PCN	FG8	FNB	W2K	BTANG
1.50	3.56	652	1.76	652	74.5	1360	-490	216	13.0
	RAM	-.14	.75	-.14	-.01	1.55	-.48	-.02	.00
	BLEED	-.17	-1.25	-.17	-.21	-2.59	5.27	-.51	.00
	POWER	-5.49	-32.40	-5.49	-15.01	-66.53	42.43	-37.70	.00
1.80	5.43	705	2.48	705	78.4	2430	-650	210	13.0
	RAM	-.09	.95	-.09	-.02	1.43	-.52	-.04	.00
	BLEED	-.26	-1.46	-.26	-.16	-2.22	6.37	-.40	.00
	POWER	-5.32	-23.27	-5.32	-8.43	-35.38	29.52	-21.63	.00
2.00	7.24	766	3.29	766	81.8	3630	-750	210	13.0
	RAM	.01	1.11	.01	.00	1.50	-.81	.02	.00
	BLEED	-.40	-1.66	-.40	-.19	-2.23	8.15	-.46	.00
	POWER	-5.50	-18.83	-5.50	-6.24	-25.45	29.18	-16.11	.00
2.30	11.2	870	5.05	870	87.2	6330	-930	210	16.0
	RAM	.01	1.14	.01	.00	1.41	-.75	.02	.00
	BLEED	-.39	-1.57	-.39	-.17	-1.97	10.30	-.40	.00
	POWER	-3.26	-11.01	-3.26	-3.65	-13.79	19.70	-9.51	.00
2.50	14.9	947	6.72	947	90.4	8960	-1090	209	4.0
	RAM	.00	1.17	.00	-.00	1.39	-.72	.02	.00
	BLEED	-.38	-1.55	-.38	-.06	-1.88	11.87	-.39	.00
	POWER	-2.30	-7.99	-2.30	-.93	-9.55	15.58	-6.83	.00
2.70	19.8	1029	8.91	1029	91.7	12500	-1290	209	4.0
	RAM	.00	1.19	.00	-.00	1.39	-.76	.01	-20.00
	BLEED	-.37	-1.51	-.37	-.05	-1.82	13.46	-.39	.00
	POWER	-1.65	-5.70	-1.65	-.67	-6.70	12.13	-4.94	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.57	3620	7480	1.98	1183	21.2	76	2059
	P2 =	2.92	RAM	1.05	1432	-.39	-.00	1.05	1.05	.00
	T2 =	624	BLEED	.06	-1491	1.25	-.24	-.91	.06	.00
	ERI =	19	POWER	-.04	-3115	4.48	.13	.50	-.04	.00
2.00	NR =	.925	7.25	7540	10900	1.98	1345	33.0	119	2059
	P2 =	6.93	RAM	1.10	1436	-.35	-.00	1.10	1.10	-.00
	T2 =	774	BLEED	.03	-2409	1.40	-.24	-.94	.03	.00
	ERI =	0	POWER	-.01	-5286	-1.30	.08	.35	-.01	-.00
2.50	NR =	.870	14.9	14300	14200	2.02	1532	49.9	181	2059
	P2 =	12.20	RAM	1.16	1435	-.25	-.00	1.16	1.16	.00
	T2 =	963	BLEED	.02	-3116	1.13	-.20	-.94	.02	.00
	ERI =	1	POWER	-.00	-6429	-1.30	.04	.27	-.00	.00
2.70	NR =	.846	19.8	18000	15700	2.08	1611	58.1	211	2059
	P2 =	16.21	RAM	1.20	1438	-.17	-.00	1.20	1.20	-.00
	T2 =	1050	BLEED	.02	-3130	1.28	-.19	-.94	.02	-.00
	ERI =	1	POWER	-.00	-5173	-.86	.03	.22	-.00	-.01

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.9. 1.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FN8	SFC8	W2K	BTANG
1.50	3.97	8.90	14815	3455	1377	11200	7550	1.96	422	4.0
	RAM	1.05	.96	-.01	+.02	1.23	1.31	-.38	.02	.00
	BLEED	-1.43	-.70	-.10	.44	-1.24	-1.87	1.20	.06	.00
	POWER	-7.05	1.29	-1.07	6.37	-1.84	-2.71	4.03	-.04	.00
2.00	7.25	12.65	21530	3471	1439	18600	11000	1.95	361	.0
	RAM	1.10	1.03	.01	-.00	1.25	1.36	-.35	.02	.00
	BLEED	-1.46	-.74	-.09	.44	-1.22	-2.07	1.38	.03	.00
	POWER	-4.57	-7.12	-4.36	1.68	-3.44	-5.79	-1.37	-.01	.00
2.50	14.9	18.65	28757	3398	1450	29100	14800	1.94	297	.0
	RAM	1.16	1.13	.01	-.00	1.30	1.44	-.34	.02	.00
	BLEED	-1.45	-2.08	-.77	+.00	-1.62	-3.21	1.18	.02	.00
	POWER	-2.94	-7.53	-4.65	.00	-3.26	-6.39	-1.19	-.00	.00
2.70	19.8	21.79	32568	3409	1450	34600	16600	1.96	272	.0
	RAM	1.20	1.19	.00	-.00	1.33	1.48	-.27	.02	.00
	BLEED	-1.45	-2.17	-.79	+.01	-1.62	-3.40	1.30	.02	.00
	POWER	-2.51	-6.55	-3.98	+.00	-2.77	-5.77	-.82	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

MO		P2/RO	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.57	3620	6760	1.77	1184	21.2	76	2059
	P2 =	2.92	RAM	1.05	1434	-.39	-.00	1.05	1.05	-.00
	T2 =	624	BLEED	.07	-1187	1.25	-.24	-.90	.07	.01
	ERI =	19	POWER	-.04	-2411	3.63	.13	.51	-.04	.01
2.00	NR =	.925	7.25	7540	9670	1.79	1346	33.1	119	2059
	P2 =	5.93	RAM	1.10	1138	-.36	-.00	1.10	1.10	-.00
	T2 =	774	BLEED	.03	-2.18	1.52	-.25	-.94	.03	.00
	ERI =	0	POWER	-.01	-1197	2.99	.07	.34	-.01	-.03
2.50	NR =	.870	14.9	14300	12700	1.89	1533	50.0	181	2059
	P2 =	12.20	RAM	1.16	1.37	-.26	.00	1.16	1.16	.00
	T2 =	963	BLEED	.02	-2.47	1.84	-.20	-.94	.02	.00
	ERI =	0	POWER	-.00	-1133	2.09	.04	.26	-.00	.00
2.70	NR =	.846	19.8	18000	13900	1.94	1612	58.3	211	2059
	P2 =	16.21	RAM	1.20	1138	-.21	-.00	1.20	1.20	.00
	T2 =	1050	BLEED	.02	-2465	2.03	-.19	-.94	.02	-.01
	ERI =	0	POWER	-.00	-1118	1.86	.03	.22	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
1.50	36.57	8.59	11964	3114	1275	10500	6840	1.75	422	4.0
	RAM	1.05	.97	-.03	-.02	1.22	1.30	-.35	.02	.00
	BLEED	-1.39	-.66	-.03	.45	-1.19	-1.86	1.23	.07	.00
	POWER	-6.93	1.50	-.62	8.54	-1.56	-2.36	3.89	-.04	.00
2.00	26.25	12.81	17304	3095	1325	17300	9770	1.77	361	.0
	RAM	1.10	1.04	-.01	-.01	1.25	1.36	-.34	.02	.00
	BLEED	-1.40	-.71	-.04	.42	-1.18	-2.12	1.46	.03	.00
	POWER	-4.78	.99	-.51	4.49	-.93	-1.65	2.66	-.01	.00
2.50	14.9	18.87	24031	3090	1355	27500	13200	1.82	297	.0
	RAM	1.17	1.12	-.00	-.00	1.30	1.44	-.34	.02	.00
	BLEED	-1.49	-.70	-.06	.48	-1.18	-2.48	1.84	.02	.00
	POWER	-3.19	.74	-.34	3.00	-.53	-1.11	1.86	-.00	.00
2.70	19.8	22.05	26958	3090	1352	32600	14600	1.85	272	.0
	RAM	1.20	1.16	-.02	-.01	1.32	1.47	-.29	.02	.00
	BLEED	-1.50	-.70	-.04	.50	-1.15	-2.60	1.98	.02	.00
	POWER	-2.71	.66	-.23	2.58	-.40	-.89	1.56	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.57	3620	5680	1.60	1185	21.3	76	2059
	P2 =	2.92	RAM	1.05	1.33	-.36	-.00	1.05	1.05	.00
	T2 =	624	BLEED	.07	-2.02	1.44	-.25	-.90	.07	.00
	ERI =	19	POWER	-.04	-2.14	4.00	.12	.50	-.04	.01
2.00	NR =	.925	7.25	7540	7950	1.64	1347	33.2	119	2059
	P2 =	5.93	RAM	1.10	1.37	-.34	-.00	1.10	1.10	-.00
	T2 =	774	BLEED	.03	-2.30	1.71	-.25	-.94	.03	.01
	ERI =	0	POWER	-.01	-1.66	2.94	.08	.35	-.01	.01
2.50	NR =	.870	14.9	14300	10300	1.74	1534	50.2	181	2059
	P2 =	12.20	RAM	1.16	1.43	-.32	-.00	1.16	1.16	.00
	T2 =	963	BLEED	.02	-2.77	2.21	-.20	-.94	.02	-.01
	ERI =	0	POWER	-.00	-1.12	2.04	.04	.26	-.00	-.01
2.70	NR =	.846	19.8	18000	11000	1.80	1613	58.5	211	2059
	P2 =	16.21	RAM	1.20	1.45	-.26	-.00	1.20	1.20	.00
	T2 =	1050	BLEED	.02	-3.01	2.49	-.19	-.93	.02	-.01
	ERI =	0	POWER	-.00	-1.01	1.84	.03	.22	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
1.50	3.57	8.71	9100	2600	1136	9430	5810	1.57	422	4.0
	RAM	1.05	1.00	-.02	-.02	1.22	1.33	-.35	.02	-45.00
	BLEED	-1.37	-.62	-.01	.43	-1.17	-1.94	1.35	.07	.00
	POWER	-6.77	1.84	-.33	6.45	-1.36	-2.18	4.04	-.04	.00
2.00	7.25	12.99	13051	2592	1182	15600	8070	1.62	361	4.0
	RAM	1.09	1.06	.00	.00	1.25	1.39	-.36	.02	.00
	BLEED	-1.38	-.65	-.03	.39	-1.17	-2.29	1.70	.03	.00
	POWER	-4.64	1.26	-.34	4.37	-.81	-1.56	2.83	-.01	.00
2.50	14.9	19.15	17810	2596	1210	24800	10500	1.70	297	.0
	RAM	1.17	1.13	.01	.00	1.30	1.48	-.38	.02	.00
	BLEED	-1.49	-.65	-.06	.48	-1.17	-2.79	2.23	.02	.00
	POWER	-3.13	.90	-.24	2.94	-.47	-1.11	2.02	-.00	.00
2.70	19.8	22.37	19773	2598	1208	29400	11400	1.73	272	.0
	RAM	1.20	1.17	-.01	-.01	1.32	1.52	-.33	.02	.00
	BLEED	-1.48	-.63	-.03	.49	-1.14	-2.98	2.45	.02	.00
	POWER	-2.65	.82	-.15	2.52	-.35	-.89	1.72	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.57	3620	4720	1.36	1186	21.3	76	2059
	P2 =	2.92	RAM	1.05	1429	-.35	-.00	1.05	1.05	.00
	T2 =	624	BLEED	.08	-2.04	1.59	-.26	-.89	.08	-.00
	ERI =	19	POWER	-.04	-2430	4.72	.12	.50	-.04	.01
2.00	NR =	.925	7.25	7540	6220	1.42	1348	33.3	119	2059
	P2 =	5.93	RAM	1.10	1.41	-.41	-.00	1.10	1.10	.00
	T2 =	774	BLEED	.03	-2.56	2.15	-.25	-.93	.03	.01
	ERI =	0	POWER	-.01	-1428	2.99	.08	.34	-.01	.00
2.50	NR =	.870	14.9	14300	7550	1.53	1535	50.3	181	2059
	P2 =	12.20	RAM	1.16	1.55	-.42	-.00	1.16	1.16	.00
	T2 =	963	BLEED	.02	-3.133	2.96	-.20	-.94	.02	-.01
	ERI =	0	POWER	-.00	-.82	2.11	.04	.26	-.00	.00
2.70	NR =	.846	19.8	18000	7860	1.60	1614	58.6	211	2059
	P2 =	16.21	RAM	1.20	1.59	-.37	-.00	1.20	1.20	.00
	T2 =	1050	BLEED	.02	-3.73	3.43	-.19	-.93	.02	-.01
	ERI =	0	POWER	-.00	-1.78	1.96	.03	.23	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	WZK	BTANG
1.50	3.57	8.82	6418	2133	1006	8420	4800	1.34	422	13.0
	RAM	1.05	.96	-.04	+.03	1.21	1.33	-.39	.02	.00
	BLEED	-1.34	-.49	.02	.43	-1.13	-2.04	1.60	.08	.00
	POWER	-6.62	2.38	-.08	6.41	-1.18	-2.03	4.44	-.04	.00
2.00	11.25	13.17	8805	2106	1040	13900	6310	1.39	361	4.0
	RAM	1.10	1.03	-.03	+.02	1.23	1.39	-.38	.02	.00
	BLEED	-1.38	-.50	.02	.41	-1.14	-2.53	2.11	.03	.00
	POWER	-4.55	1.69	-.05	4.43	-.63	-1.37	3.08	-.01	.00
2.50	14.9	19.43	11552	2109	1064	22000	7690	1.50	297	.0
	RAM	1.16	1.16	.01	.00	1.30	1.54	-.42	.02	.00
	BLEED	-1.48	-.52	-.02	.48	-1.15	-3.32	2.95	.02	.00
	POWER	-3.05	1.28	-.04	2.96	-.35	-.98	2.28	-.00	.00
2.70	19.8	22.70	12546	2111	1063	26100	8050	1.56	272	.0
	RAM	1.20	1.19	.00	+.00	1.32	1.61	-.39	.02	.00
	BLEED	-1.47	-.49	-.01	.48	-1.13	-3.70	3.40	.02	.00
	POWER	-2.60	1.17	-.02	2.53	-.26	-.84	2.02	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.L.S. 5.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

MO		R2APO	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.57	3620	4570	1.30	1187	21.4	76	2059
	P2 =	2.92	RAM	1.05	1133	-.30	-.00	1.05	1.05	.00
	T2 =	624	BLEED	.08	-2.07	1.59	-.26	-.88	.08	-.01
	ERI =	0	POWER	-.04	-2.25	4.78	.12	.48	-.04	-.04
2.00	NR =	.925	7.25	7540	6050	1.38	1350	33.5	119	2059
	P2 =	5.93	RAM	1.10	1146	-.39	-.00	1.10	1.10	.00
	T2 =	774	BLEED	.03	-2.64	2.19	-.25	-.93	.03	.00
	ERI =	0	POWER	-.01	-1.27	3.07	.07	.34	-.01	.00
2.50	NR =	.870	14.9	14300	7260	1.50	1536	50.6	181	2059
	P2 =	12.20	RAM	1.16	1155	-.43	-.00	1.16	1.16	.00
	T2 =	963	BLEED	.02	-3.41	3.07	-.20	-.93	.02	-.01
	ERI =	0	POWER	-.00	-.81	2.16	.04	.26	-.00	.00
2.70	NR =	.846	19.8	18000	7510	1.56	1615	58.9	211	2059
	P2 =	16.21	RAM	1.20	1160	-.39	.00	1.20	1.20	-.00
	T2 =	1050	BLEED	.02	-3.82	3.60	-.19	-.93	.02	-.00
	ERI =	0	POWER	-.00	-.79	2.03	.04	.22	-.00	-.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

MO	R2/P0	P8/P0	WFT	T8	A8	FG8	FN8	SFCB	W2K	BTANG
1.50	34.97	8.89	5935	2059	979	8260	4640	1.28	422	13.0
	RAM	1.05	1.05	.00	4.00	1.23	1.37	-.34	.02	.00
	BLEED	-1.32	-.54	-.01	.40	-1.14	-2.09	1.61	.08	.00
	POWER	-6.58	2.50	4.04	6.41	-1.14	-2.00	4.52	-.04	.00
2.00	71.25	13.27	8328	2059	1020	13700	6150	1.36	361	4.0
	RAM	1.10	1.09	.00	4.00	1.24	1.42	-.35	.02	.00
	BLEED	-1.37	-.53	.00	.40	-1.15	-2.59	2.14	.03	.00
	POWER	-4.52	1.78	.00	4.43	-.59	-1.30	3.10	-.01	.00
2.50	14.8	19.80	10865	2059	1042	21700	7400	1.47	297	.0
	RAM	1.17	1.16	.00	4.00	1.29	1.54	-.41	.02	.00
	BLEED	-1.47	-.49	-.01	.48	-1.14	-3.37	3.04	.02	.00
	POWER	-3.02	1.34	.00	2.96	-.32	-.92	2.28	-.00	.00
2.70	19.8	22.89	11742	2059	1040	25800	7700	1.53	272	.0
	RAM	1.19	1.18	-.00	.00	1.32	1.61	-.40	.02	.00
	BLEED	-1.45	-.43	-.00	.47	-1.12	-3.78	3.55	.02	.00
	POWER	-2.60	1.23	-.00	2.54	-.25	-.83	2.08	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.57	3630	3700	1.27	1173	20.3	77	1792
	P2 =	2.92	RAM	1.05	1140	-.39	-.00	1.05	1.05	-.00
	T2 =	624	BLEED	.04	-1.43	2.02	-.18	-.65	.04	.65
	ERI =	0	POWER	-.21	11.91	6.63	.94	4.37	-.21	9.38
2.00	NR =	.925	7.25	7550	5220	1.37	1340	32.4	119	1894
	P2 =	5.93	RAM	1.10	1.51	-.45	-.00	1.10	1.10	.00
	T2 =	774	BLEED	.02	-1.73	2.54	-.13	-.64	.02	.68
	ERI =	0	POWER	-.07	8.65	3.31	.52	2.57	-.07	5.45
2.50	NR =	.870	14.9	14300	6430	1.51	1531	49.5	181	1950
	P2 =	12.20	RAM	1.16	1160	-.49	-.00	1.16	1.16	-.00
	T2 =	963	BLEED	.01	-2.47	3.27	-.16	-.72	.01	.53
	ERI =	0	POWER	-.02	6.80	1.72	.27	1.62	-.02	3.33
2.70	NR =	.846	19.8	18000	6510	1.59	1609	57.6	211	1948
	P2 =	16.21	RAM	1.20	1169	-.44	.00	1.20	1.20	.01
	T2 =	1050	BLEED	.02	-2.90	3.86	-.16	-.72	.02	.51
	ERI =	0	POWER	-.03	6.73	1.20	.21	1.39	-.03	2.84

CONFIDENTIAL

GENERAL ELECTRIC G84/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

MO	P2/P0	PBARO	WFK	T0	A8	FG8	FNB	SFCB	W2K	BTANG
1.50	31.57	7.33	4705	1792	1095	7400	3770	1.25	423	13.0
	RAM	1.05	1.04	-.00	-.00	1.25	1.44	-.42	.02	.00
	BLEED	-.58	.55	.65	+.02	-.71	-1.44	2.03	.04	.00
	POWER	5.11	18.77	9.38	+.07	6.01	12.00	6.54	-.21	.00
2.00	76.26	11.77	7157	1894	1095	12800	5300	1.35	361	4.0
	RAM	1.10	1.09	.00	+.01	1.25	1.48	-.41	.02	.00
	BLEED	-.64	.74	.68	.04	-.69	-1.69	2.50	.02	.00
	POWER	2.99	12.10	5.45	.00	3.46	8.49	3.47	-.07	.00
2.50	14.19	18.05	9896	1950	1095	20800	6550	1.48	297	.0
	RAM	1.16	1.15	-.00	.00	1.30	1.58	-.47	.02	.00
	BLEED	-.69	.68	.53	.00	-.76	-2.45	3.25	.01	.00
	POWER	1.85	8.61	3.33	.01	2.10	6.75	1.78	-.02	.00
2.70	19.8	21.03	10352	1948	1095	24700	6670	1.55	272	.0
	RAM	1.22	1.22	.01	+.01	1.34	1.72	-.46	.02	.00
	BLEED	-.70	.79	.51	.00	-.76	-2.86	3.82	.02	.00
	POWER	1.58	8.00	2.84	+.01	1.78	6.66	1.27	-.03	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

MO		P2/RO	FD	FN	SFC	TE	PE	W2	TC	
1.50	NR =	.971	3.57	3640	2870	1.31	1162	19.3	77	1568
	P2 =	2.92	RAM	1.05	1150	-.51	-.00	1.05	1.05	-.01
	T2 =	824	BUEED	.03	-1145	2.51	-.10	-.57	.03	.83
	ERI =	0	POWER	-.16	12.89	5.81	.50	4.09	-.16	8.79
2.00	NR =	.925	7.25	7560	3940	1.42	1330	30.7	120	1665
	P2 =	5.93	RAM	1.10	1163	-.60	-.00	1.09	1.10	-.01
	T2 =	774	BUEED	.02	-1199	3.12	-.13	-.61	.02	.74
	ERI =	0	POWER	-.07	10155	2.77	.39	2.69	-.07	5.59
2.50	NR =	.870	14.9	14300	4440	1.63	1518	46.8	181	1710
	P2 =	12.20	RAM	1.16	1174	-.66	-.00	1.16	1.16	-.00
	T2 =	963	BUEED	.01	-2199	4.46	-.14	-.66	.01	.64
	ERI =	0	POWER	-.03	10100	.98	.28	1.87	-.03	3.77
2.70	NR =	.846	19.8	18000	4160	1.78	1595	54.4	211	1703
	P2 =	16.21	RAM	1.20	1189	-.66	.00	1.20	1.20	.00
	T2 =	1050	BUEED	.01	-3197	5.69	-.16	-.69	.01	.57
	ERI =	0	POWER	-.02	11128	-.11	.26	1.69	-.02	3.37

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

MO	P2/PO	R8/PO	WFI	T8	A8	FGB	FNB	SFCB	W2K	BTANG
1.50	3.57	5.91	3754	1568	1257	6590	2960	1.27	424	13.0
	RAM	1.05	1.03	-.01	+.00	1.27	1.55	-.56	.02	.00
	BLEED	-.55	1.00	.83	.03	-.64	-1.46	2.51	.03	.00
	POWER	4.71	18.91	8.79	.01	5.72	12.95	5.74	-.16	.00
2.00	71.25	9.49	5612	1685	1257	11600	4030	1.39	362	4.0
	RAM	1.09	1.07	-.01	+.00	1.27	1.59	-.56	.02	.00
	BLEED	-.58	1.04	.74	.01	-.66	-1.95	3.08	.02	.00
	POWER	3.02	13.45	5.59	.02	3.54	10.32	2.99	-.07	.00
2.50	14.9	14.53	7217	1710	1257	18900	4560	1.58	297	.0
	RAM	1.16	1.13	-.00	.00	1.31	1.75	-.68	.02	.00
	BLEED	-.61	1.27	.84	+.01	-.70	-2.95	4.41	.01	.00
	POWER	2.08	11.05	3.77	+.01	2.36	9.85	1.12	-.03	.00
2.70	19.8	16.91	7404	1703	1258	22400	4320	1.71	273	.0
	RAM	1.20	1.17	.00	+.00	1.34	1.95	-.70	.02	.00
	BLEED	-.63	1.38	.57	+.04	-.74	-3.87	5.57	.01	.00
	POWER	1.87	11.16	3.37	+.01	2.10	10.99	.16	-.02	.00

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CONFIDENTIAL

14,75000 FEET

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CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 75000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
2.30	NR = .893	11.2	7440	9640	1.98	1385	29.5	107	2059
	P2 = 5.67	RAM	1.14	1431	-.24	-.00	1.14	1.14	.00
	T2 = 813	BLEED	.02	-2499	.53	-.18	-.94	.02	.01
	ERI = 1	POWER	-.01	-9421	-4.05	.06	.42	-.01	.01
2.50	NR = .870	14.9	9570	10600	1.98	1462	34.9	126	2059
	P2 = 7.55	RAM	1.17	1434	-.23	-.00	1.17	1.17	.00
	T2 = 887	BLEED	.02	-3113	.92	-.19	-.94	.02	.00
	ERI = 1	POWER	-.01	-8450	-2.27	.06	.37	-.01	.00
2.70	NR = .846	19.8	12000	11600	2.03	1535	40.6	147	2059
	R2 = 10.02	RAM	1.20	1434	-.18	-.00	1.20	1.20	.00
	T2 = 967	BLEED	.02	-3421	1.12	-.20	-.95	.02	-.01
	ERI = 1	POWER	-.00	-7471	-1.57	.05	.32	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC G64/J5G ESTIMATED PERFORMANCE

P.S. 1.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
2.30	11.2	18.07	19090	3462	1450	17400	9970	1.91	346	.0
	RAM	1.14	1.08	.02	+.00	1.28	1.38	-.32	.02	.00
	BLEED	-1.57	-2.49	-.90	.01	-1.74	-3.05	.59	.02	.00
	POWER	-4.89	-13.09	-7.40	-.00	-5.39	-9.40	-3.85	-.01	.00
2.50	14.9	21.04	20921	3389	1450	20600	11100	1.89	321	.0
	RAM	1.17	1.13	.01	+.00	1.30	1.42	-.31	.02	.00
	BLEED	-1.52	-2.25	-.87	+.00	-1.69	-3.17	.96	.02	.00
	POWER	-4.19	-10.67	-6.56	.00	-4.62	-8.61	-2.15	-.01	.00
2.70	19.8	24.50	23571	3394	1450	24400	12400	1.90	295	.0
	RAM	1.20	1.15	.01	.00	1.33	1.46	-.29	.02	.00
	BLEED	-1.48	-2.14	-.81	+.00	-1.63	-3.24	1.16	.02	.00
	POWER	-3.61	-9.21	-5.68	.01	-3.95	-7.79	-1.48	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC
2.30	NR = .893	11.2	7440	8570	1.79	1386	29.6	107	2059
	P2 = 5.67	RAM	1.14	1.31	-.25	-.00	1.14	1.14	.00
	T2 = 813	BLEED	.02	-2.23	1.59	-.17	-.93	.02	.01
	ERI = 0	POWER	-.01	-2.01	3.21	.06	.41	-.01	.01
2.50	NR = .870	14.9	9570	9530	1.84	1463	35.0	126	2059
	P2 = 7.55	RAM	1.17	1.34	-.24	-.00	1.17	1.17	.00
	T2 = 887	BLEED	.02	-2.36	1.72	-.19	-.94	.02	.00
	ERI = 0	POWER	-.01	-1.84	2.88	.06	.37	-.01	.00
2.70	NR = .846	19.8	12000	10400	1.89	1536	40.7	147	2059
	P2 = 10.02	RAM	1.20	1.34	-.18	.00	1.20	1.20	.00
	T2 = 967	BLEED	.02	-2.50	1.86	-.20	-.94	.02	-.01
	ERI = 0	POWER	-.00	-1.70	2.63	.05	.33	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 2.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

NO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
2.30	11.2	18.30	15355	3097	1337	16200	8800	1.75	346	.0
	RAM	1.14	1.08	-.01	+.02	1.26	1.37	-.31	.02	.00
	BLEED	-1.61	-.69	-.06	.61	-1.19	-2.22	1.57	.02	.00
	POWER	-5.26	1.17	-.56	4.94	-.89	-1.64	2.83	-.01	.00
2.50	14.9	21.28	17549	3089	1356	19500	9930	1.77	321	.0
	RAM	1.17	1.11	+.01	+.01	1.29	1.41	-.32	.02	.00
	BLEED	-1.57	-.70	-.07	.56	-1.18	-2.34	1.69	.02	.00
	POWER	-4.54	1.01	-.50	4.25	-.74	-1.45	2.48	-.01	.00
2.70	19.8	24.77	19703	3091	1355	23100	11000	1.79	295	.0
	RAM	1.20	1.15	-.00	+.00	1.32	1.46	-.29	.02	.00
	BLEED	-1.50	-.71	-.07	.49	-1.16	-2.46	1.81	.02	.00
	POWER	-3.91	.90	-.44	3.66	-.61	-1.28	2.20	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
2.30	NR =	.893	11.2	7440	7050	1.63	1387	29.7	107	2059
	P2 =	5.67	RAM	1.14	1437	-.29	-.00	1.14	1.14	.00
	T2 =	813	BLEED	.02	-2442	1.84	-.17	-.93	.02	.00
	ERI =	0	POWER	-.01	-1466	3.11	.08	.41	-.01	.00
2.50	NR =	.870	14.9	9570	7770	1.68	1463	35.2	126	2059
	P2 =	7.55	RAM	1.17	1440	-.29	-.00	1.16	1.17	.00
	T2 =	887	BLEED	.02	-2462	2.04	-.19	-.94	.02	-.01
	ERI =	0	POWER	-.01	-1458	2.83	.06	.36	-.01	-.01
2.70	NR =	.846	19.8	12000	8400	1.73	1537	40.9	147	2059
	P2 =	10.02	RAM	1.20	1441	-.23	-.00	1.20	1.20	.00
	T2 =	967	BLEED	.02	-2479	2.24	-.20	-.94	.02	-.01
	ERI =	0	POWER	-.00	-1445	2.59	.05	.32	-.00	.00

CONFIDENTIAL

GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 3.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE

75000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
2.30	11.2	18.58	11511	2590	1190	14600	7180	1.60	346	.0
	RAM	1.14	1.10	.00	-.01	1.27	1.40	-.33	.02	.00
	BLEED	-1.60	-.65	-.05	.59	-1.18	-2.42	1.84	.02	.00
	POWER	-5.20	1.43	-.39	4.89	-.78	-1.59	3.03	-.01	.00
2.50	14.9	21.61	13073	2589	1209	17600	8000	1.63	321	.0
	RAM	1.17	1.13	.01	.00	1.29	1.45	-.34	.02	.00
	BLEED	-1.57	-.66	-.07	.55	-1.18	-2.61	2.03	.02	.00
	POWER	-4.45	1.23	-.38	4.17	-.66	-1.44	2.69	-.01	.00
2.70	19.6	25.15	14563	2593	1209	20800	8740	1.67	295	.0
	RAM	1.20	1.16	.01	.00	1.32	1.50	-.31	.02	.00
	BLEED	-1.48	-.65	-.06	.47	-1.15	-2.77	2.21	.02	.00
	POWER	-3.83	1.11	-.31	3.59	-.53	-1.25	2.38	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC
2.30	NR = .893	11.2	7440	5450	1.42	1388	29.8	107	2059
	P2 = 5.67	RAM	1.14	1440	-.37	-.00	1.14	1.14	.00
	T2 = 813	BLEED	.02	-2469	2.28	-.19	-.93	.02	.00
	ERI = 0	POWER	-.01	-1112	3.06	.09	.40	-.01	.01
2.50	NR = .870	14.9	9570	5880	1.46	1464	35.3	126	2059
	P2 = 7.55	RAM	1.17	1443	-.36	-.00	1.17	1.17	.00
	T2 = 887	BLEED	.02	-2197	2.59	-.19	-.93	.02	-.01
	ERI = 0	POWER	-.01	-1407	2.79	.06	.37	-.01	.00
2.70	NR = .846	19.8	12000	6200	1.51	1538	41.0	147	2059
	P2 = 10.02	RAM	1.20	1.50	-.29	-.00	1.20	1.20	.00
	T2 = 967	BLEED	.02	-3433	2.95	-.20	-.94	.02	-.01
	ERI = 0	POWER	-.00	-1.06	2.64	.05	.32	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 4.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

MO	P2/P0	P8/P0	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
2.30	11.2	18.84	7723	2111	1049	13000	5540	1.39	346	.0
	RAM	1.14	1.06	-.03	-.02	1.25	1.40	-.36	.02	.00
	BLEED	-1.55	-.49	.02	.57	-1.13	-2.69	2.29	.02	.00
	POWER	-5.13	1.93	-.07	4.98	-.59	-1.37	3.32	-.01	.00
2.50	14.9	21.93	8574	2103	1063	15600	5990	1.43	321	.0
	RAM	1.17	1.10	-.03	-.02	1.27	1.44	-.37	.02	.00
	BLEED	-1.56	-.50	.00	.57	-1.13	-2.97	2.59	.02	.00
	POWER	-4.34	1.71	-.05	4.23	-.46	-1.18	2.91	-.01	.00
2.70	19.8	25.52	9393	2105	1063	18400	6350	1.48	295	.0
	RAM	1.20	1.19	.01	.01	1.32	1.56	-.34	.02	.00
	BLEED	-1.47	-.53	-.02	.48	-1.13	-3.30	2.91	.02	.00
	POWER	-3.75	1.56	-.04	3.65	-.37	-1.05	2.63	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 5.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 75000 FEET

MO		P2/P0	FD	RN	SFC	TE	PE	W2	TC	
1.80	NR =	.945	5.43	3730	4020	1.30	1219	19.2	68	2059
	P2 =	2.75	RAM	1.09	1441	-.36	-.00	1.09	1.09	.00
	T2 =	652	BLEED	.07	-2.23	1.76	-.25	-.90	.07	.00
	ERI =	0	POWER	-.04	-1185	4.78	.14	.57	-.04	.00
2.00	NR =	.925	7.24	4960	4530	1.32	1283	23.0	82	2059
	P2 =	3.67	RAM	1.10	1441	-.34	-.00	1.10	1.10	.00
	T2 =	712	BLEED	.05	-2145	1.97	-.25	-.92	.05	-.01
	ERI =	0	POWER	-.02	-1.93	4.42	.10	.47	-.02	-.03
2.30	NR =	.893	11.2	7440	5270	1.38	1389	30.0	107	2059
	P2 =	5.67	RAM	1.14	1446	-.35	-.00	1.14	1.14	.00
	T2 =	813	BLEED	.02	-2477	2.33	-.21	-.93	.02	-.01
	ERI =	0	POWER	-.01	-1408	3.15	.09	.40	-.01	.00
2.50	NR =	.870	14.9	9570	5700	1.42	1466	35.4	126	2059
	P2 =	7.55	RAM	1.17	1447	-.33	-.00	1.17	1.17	.00
	T2 =	887	BLEED	.02	-3.05	2.65	-.18	-.93	.02	-.01
	ERI =	0	POWER	-.01	-1402	2.83	.06	.36	-.01	.00
2.70	NR =	.846	19.8	12000	5980	1.48	1540	41.2	147	2059
	P2 =	10.02	RAM	1.20	1449	-.27	-.00	1.20	1.20	.00
	T2 =	967	BLEED	.02	-3437	3.05	-.20	-.93	.02	.00
	ERI =	0	POWER	-.00	-1498	2.68	.05	.32	-.00	.02

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GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FGB	FNB	SFCB	W2K	BTANG
1.80	51.43	12.71	5220	2059	988	7820	4090	1.28	409	4.0
	RAM	1.09	1.08	.00	-.00	1.24	1.37	-.31	.03	.00
	BLEED	-1.34	-.53	.00	.40	-1.11	-2.18	1.71	.07	.00
	POWER	-7.58	2.90	.00	7.41	-1.04	-1.95	4.88	-.04	.00
2.00	71.24	14.94	5980	2059	1003	9540	4590	1.30	383	4.0
	RAM	1.10	1.10	.00	-.00	1.24	1.39	-.32	.02	.00
	BLEED	-1.41	-.55	-.01	.44	-1.13	-2.40	1.92	.05	.00
	POWER	-6.59	2.46	-.03	6.44	-.83	-1.71	4.20	-.02	.00
2.30	11.2	18.99	7242	2059	1027	12800	5360	1.35	346	.0
	RAM	1.14	1.13	.00	-.00	1.26	1.44	-.33	.02	.00
	BLEED	-1.48	-.54	-.01	.49	-1.14	-2.75	2.30	.02	.00
	POWER	-5.09	2.05	.00	4.99	-.54	-1.28	3.35	-.01	.00
2.50	14.9	22.13	8095	2059	1042	15400	5810	1.39	321	.0
	RAM	1.17	1.16	.00	-.00	1.29	1.49	-.35	.02	.00
	BLEED	-1.55	-.53	-.01	.55	-1.14	-3.04	2.64	.02	.00
	POWER	-4.31	1.80	.00	4.22	-.42	-1.11	2.93	-.01	.00
2.70	19.8	25.72	8831	2059	1042	18200	6130	1.44	295	.0
	RAM	1.20	1.19	.00	-.00	1.32	1.55	-.33	.02	.00
	BLEED	-1.45	-.47	.00	.47	-1.11	-3.33	3.01	.02	.00
	POWER	-3.68	1.68	.02	3.62	-.32	-.95	2.64	-.00	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY PRESSURE ALTITUDE 75000 FEET

MO		P2/PO	FD	FN	SFC	TE	PE	W2	TC	
1.80	NR =	.945	5.43	3740	3630	1.28	1211	18.7	69	1922
	P2 =	2.75	RAM	1.09	1145	-.40	-.00	1.09	1.09	-.00
	T2 =	652	BLEED	.04	-1.55	2.03	-.19	-.68	.04	.57
	ERI =	0	POWER	-.21	12.45	6.69	.93	4.29	-.21	9.41
2.00	NR =	.925	7.24	4960	4180	1.31	1278	22.5	82	1960
	P2 =	3.67	RAM	1.10	1442	-.35	-.00	1.10	1.10	-.00
	T2 =	712	BLEED	.03	-1.68	2.13	-.20	-.71	.03	.53
	ERI =	0	POWER	-.15	10.92	5.48	.79	3.63	-.15	7.85
2.30	NR =	.893	11.2	7440	5070	1.37	1387	29.7	107	2016
	P2 =	5.67	RAM	1.14	1146	-.36	-.00	1.13	1.14	-.00
	T2 =	813	BLEED	.02	-1.72	2.43	-.13	-.66	.02	.64
	ERI =	0	POWER	-.05	7.54	3.66	.53	2.43	-.05	4.92
2.50	NR =	.870	14.9	9570	5660	1.42	1465	35.4	126	2051
	P2 =	7.55	RAM	1.17	1147	-.34	-.00	1.16	1.17	-.00
	T2 =	887	BLEED	.02	-2.58	2.65	-.17	-.83	.02	.25
	ERI =	0	POWER	-.01	134	2.84	.10	.65	-.01	.71
2.70	NR =	.846	19.8	12000	5950	1.48	1540	41.1	147	2053
	P2 =	10.02	RAM	1.20	1149	-.28	-.00	1.20	1.20	-.00
	T2 =	967	BLEED	.02	-3.01	3.03	-.19	-.86	.02	.18
	ERI =	0	POWER	-.01	-109	2.63	.08	.50	-.01	.43

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GENERAL ELECTRIC GB4/J5G ESTIMATED PERFORMANCE

P.S. 7.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 7500 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
1.80	5.43	11.55	4643	1922	1045	7430	3690	1.26	410	4.0
	RAM	1.08	1.08	-.00	.00	1.24	1.40	-.34	.03	.00
	BLEED	-.63	.43	.57	-.00	-.73	-1.50	1.98	.04	.00
	POWER	5.14	19.37	9.41	-.04	5.91	12.10	7.04	-.21	.00
2.00	7.24	13.94	5484	1960	1045	9200	4240	1.29	384	4.0
	RAM	1.10	1.09	-.00	.00	1.24	1.41	-.34	.02	.00
	BLEED	-.66	.40	.53	-.01	-.75	-1.66	2.12	.03	.00
	POWER	4.27	16.60	7.85	.01	4.92	10.84	5.56	-.15	.00
2.30	11.2	18.43	6963	2016	1045	12600	5160	1.35	346	.0
	RAM	1.14	1.13	-.00	-.00	1.26	1.45	-.34	.02	.00
	BLEED	-.64	.65	.64	.02	-.68	-1.70	2.41	.02	.00
	POWER	1.72	11.32	4.92	.97	3.00	7.39	3.80	-.05	.00
2.50	14.9	22.00	8035	2051	1045	15300	5770	1.39	321	.0
	RAM	1.17	1.16	-.00	-.00	1.28	1.48	-.35	.02	.00
	BLEED	-1.17	-.03	.25	.33	-.96	-2.57	2.64	.02	.00
	POWER	-3.29	3.18	.71	3.59	.09	.24	2.93	-.01	.00
2.70	19.8	25.62	8783	2053	1045	18100	6090	1.44	295	.0
	RAM	1.20	1.19	-.00	.00	1.32	1.55	-.34	.02	.00
	BLEED	-.20	-.12	.18	.31	-.99	-2.97	2.99	.02	.00
	POWER	-3.09	2.54	.43	3.25	-.03	-.07	2.61	-.01	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
1.80	NR =	.945	5.43	3740	3330	1.27	1206	18.3	69	1817
	P2 =	2.75	RAM	1.09	1.46	-.40	-.00	1.09	1.09	-.00
	T2 =	652	BLEED	.03	-1.61	2.13	-.19	-.67	.03	.59
	ERI =	0	POWER	-.21	14.42	6.68	1.06	4.90	-.21	10.55
2.00	NR =	.925	7.24	4960	3820	1.30	1272	22.0	82	1855
	P2 =	3.67	RAM	1.10	1.44	-.37	-.00	1.10	1.10	.00
	T2 =	712	BLEED	.03	-1.71	2.28	-.20	-.69	.03	.58
	ERI =	0	POWER	-.13	12.40	5.38	.87	3.99	-.13	8.54
2.30	NR =	.893	11.2	7440	4630	1.37	1383	29.1	107	1918
	P2 =	5.67	RAM	1.14	1.51	-.42	-.00	1.13	1.14	-.00
	T2 =	813	BLEED	.02	-1.84	2.61	-.14	-.67	.02	.65
	ERI =	0	POWER	-.05	9.15	3.27	.39	2.60	-.05	5.45
2.50	NR =	.870	14.9	9570	5120	1.42	1461	34.7	126	1951
	P2 =	7.55	RAM	1.17	1.50	-.37	-.00	1.16	1.17	-.00
	T2 =	887	BLEED	.01	-2.06	2.83	-.15	-.69	.01	.59
	ERI =	0	POWER	-.03	8.65	2.65	.36	2.29	-.03	4.77
2.70	NR =	.846	19.8	12000	5300	1.49	1534	40.3	147	1950
	P2 =	10.02	RAM	1.20	1.56	-.35	-.00	1.20	1.20	-.00
	T2 =	967	BLEED	.01	-2.45	3.26	-.16	-.71	.01	.53
	ERI =	0	POWER	-.03	8.45	2.05	.33	2.00	-.03	4.12

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S. 9.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

MO	P2/PO	P8/PO	WFI	T8	A8	FG8	FNB	SFCB	W2K	BTANG
1.80	5.43	10.67	4221	1817	1095	7120	3380	1.25	410	4.0
	RAM	1.09	1.08	-.00	-.00	1.25	1.43	-.38	.03	.00
	BLEED	-.65	.47	.59	.01	-.73	-1.58	2.10	.03	.00
	POWER	5.72	21.36	10.55	-.03	6.61	14.16	6.93	-.21	.00
2.00	7.24	12.89	4981	1855	1094	8840	3870	1.29	384	4.0
	RAM	1.10	1.10	.00	+.00	1.25	1.44	-.37	.02	.00
	BLEED	-.64	.51	.58	.00	-.73	-1.70	2.27	.03	.00
	POWER	4.38	18.00	8.54	.26	5.32	12.30	5.48	-.13	.00
2.30	11.2	17.07	6348	1918	1095	12100	4700	1.35	346	.0
	RAM	1.14	1.13	-.00	-.00	1.27	1.47	-.37	.02	.00
	BLEED	-.62	.70	.65	-.00	-.69	-1.80	2.57	.02	.00
	POWER	3.02	12.56	5.45	.00	3.44	8.96	3.46	-.05	.00
2.50	14.9	20.37	7284	1951	1095	14800	5210	1.40	321	.0
	RAM	1.16	1.15	-.00	-.00	1.29	1.51	-.39	.02	.00
	BLEED	-.65	.69	.59	-.00	-.71	-2.05	2.82	.01	.00
	POWER	2.77	11.42	4.77	-.11	3.02	8.62	2.69	-.03	.00
2.70	19.8	23.70	7890	1950	1095	17500	5430	1.45	295	.0
	RAM	1.20	1.18	-.00	.00	1.32	1.59	-.38	.02	.00
	BLEED	-.69	.69	.53	.01	-.74	-2.43	3.24	.01	.00
	POWER	2.30	10.60	4.12	-.01	2.58	8.37	2.12	-.03	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.11.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

MO		P2/P0	FD	FN	SFC	TE	PE	W2	TC	
1.80	NR =	.945	5.43	3750	2590	1.29	1194	17.4	69	1590
	P2 =	2.75	RAM	1.09	1458	-.56	-.00	1.08	1.09	-.01
	T2 =	652	BLEED	.03	-1.55	2.63	-.10	-.57	.03	.83
	ERI =	0	POWER	-.16	15.57	5.53	.57	4.57	-.16	9.75
2.00	NR =	.925	7.24	4970	2940	1.34	1261	20.9	82	1627
	P2 =	3.67	RAM	1.10	1453	-.49	-.00	1.10	1.10	-.01
	T2 =	712	BLEED	.03	-1.70	2.80	-.11	-.59	.03	.79
	ERI =	0	POWER	-.12	14.06	4.56	.53	3.91	-.12	8.25
2.30	NR =	.893	11.2	7450	3490	1.42	1372	27.6	107	1685
	P2 =	5.67	RAM	1.14	1461	-.54	-.00	1.13	1.14	-.00
	T2 =	813	BLEED	.02	-2.10	3.24	-.14	-.63	.02	.71
	ERI =	0	POWER	-.06	12.17	2.99	.46	3.02	-.06	6.20
2.50	NR =	.870	14.9	9580	3750	1.49	1449	32.9	126	1714
	P2 =	7.55	RAM	1.17	1463	-.53	-.00	1.16	1.17	-.00
	T2 =	887	BLEED	.01	-2.35	3.68	-.12	-.62	.01	.72
	ERI =	0	POWER	-.04	11.54	2.10	.34	2.54	-.04	5.17
2.70	NR =	.846	19.8	12100	3670	1.60	1521	38.2	147	1711
	P2 =	10.02	RAM	1.20	1.66	-.45	-.00	1.20	1.20	.00
	T2 =	967	BLEED	.01	-2.96	4.41	-.14	-.66	.01	.63
	ERI =	0	POWER	-.04	12.29	1.27	.34	2.31	-.04	4.67

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

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STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

MO	P2/PO	P8/PO	WFT	T8	A8	FG8	FNB	SFCB	W2K	BTANG
1.80	5.43	8.60	3358	1590	1256	6400	2650	1.27	411	4.0
	RAM	1.09	1.06	-.01	-.00	1.27	1.52	-.49	.03	.00
	BLEED	-.53	1.02	.83	.01	-.61	-1.50	2.58	.03	.00
	POWER	5.23	21.32	9.75	.01	6.15	15.08	6.01	-.16	.00
2.00	7.24	10.38	3937	1627	1257	7970	3000	1.31	384	4.0
	RAM	1.10	1.08	-.01	-.00	1.26	1.53	-.49	.02	.00
	BLEED	-.54	1.03	.79	.00	-.62	-1.69	2.79	.03	.00
	POWER	4.55	18.82	8.25	-.08	5.19	13.99	4.63	-.12	.00
2.30	11.2	13.77	4947	1685	1257	11000	3560	1.39	347	.0
	RAM	1.14	1.12	-.00	-.00	1.28	1.59	-.51	.02	.00
	BLEED	-.58	1.04	.71	-.01	-.66	-2.08	3.22	.02	.00
	POWER	3.27	15.32	6.20	.11	3.86	12.07	3.10	-.06	.00
2.50	14.9	16.43	5585	1714	1257	13400	3840	1.45	322	.0
	RAM	1.17	1.14	-.00	-.00	1.30	1.64	-.54	.02	.00
	BLEED	-.60	1.20	.72	.02	-.65	-2.32	3.65	.01	.00
	POWER	2.88	13.76	5.17	-.04	3.23	11.38	2.25	-.04	.00
2.70	19.8	19.08	5879	1711	1257	15900	3820	1.54	295	.0
	RAM	1.20	1.18	.00	-.00	1.33	1.76	-.54	.02	.00
	BLEED	-.62	1.25	.63	-.01	-.70	-2.94	4.37	.01	.00
	POWER	2.62	13.65	4.67	-.05	2.90	12.17	1.38	-.04	.00

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GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.13.8

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

MO		P2/PO	FD	FN	WFT	TE	PE	W2
2.30	NR = .893	11.2	5390	220	1200	1215	16.3	77
	P2 = 5.67	RAM	.93	2.39	.00	-.08	.81	.93
	T2 = 813	BLEED	-.38	-33.90	.00	-.31	-1.35	-.38
	ERI = 100	POWER	-10.00	-78.91	.00	-2.96	-10.12	-10.00
2.50	NR = .870	14.9	7100	30	1200	1292	19.9	94
	P2 = 7.55	RAM	1.01	10.78	.00	-.07	.91	1.01
	T2 = 887	BLEED	-.34	-299.00	-.00	-.32	-1.36	-.34
	ERI = 100	POWER	-8.32	-447.98	-.00	-2.44	-8.62	-8.32
2.70	NR = .846	19.8	9310	-210	1200	1379	24.4	114
	P2 = 10.02	RAM	1.05	-1.62	-.00	-.05	.96	1.05
	T2 = 967	BLEED	-.39	55.38	.00	-.32	-1.42	-.39
	ERI = 100	POWER	-7.49	61.98	.00	-1.90	-7.80	-7.49

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.13.8

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

MO	P2/P0	TC	P8/P0	T8	PCN	FGB	FNB	W2K	BTANG
2.30	11.2	1108	6.84	1108	91.7	5670	280	251	4.0
	RAM	-.25	.81	-.25	-.03	.96	1.57	-.20	.00
	BLEED	.00	-1.44	.00	-.06	-1.65	-26.46	-.38	.00
	POWER	-.56	-10.82	-.56	-1.47	-12.34	-58.22	-10.00	.00
2.50	14.9	1131	8.35	1131	92.3	7190	90	238	4.0
	RAM	-.22	.90	-.22	-.02	1.06	4.44	-.14	.00
	BLEED	-.08	-1.35	-.08	-.05	-1.60	-100.17	-.34	.00
	POWER	-.83	-8.69	-.83	-1.17	-10.19	-156.86	-8.32	.00
2.70	19.8	1167	10.32	1167	93.1	9180	-130	228	.0
	RAM	-.16	.96	-.16	-.02	1.10	-2.65	-.13	.00
	BLEED	-.12	-1.45	-.12	-.06	-1.66	86.10	-.39	.00
	POWER	-.78	-7.81	-.78	-1.07	-9.02	97.49	-7.49	.00

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.9.16.0

OCTOBER 1964

STANDARD DAY

PRESSURE ALTITUDE 7500 FEET

MO		P2/P0	FD	FN	WFT	TE	PE	W2	
2.30	NR =	.893	11.2	4460	-630	239	1132	12.0	64
	P2 =	5.67	RAM	1.14	-.41	1.15	.00	1.15	1.14
	T2 =	813	BLEED	-.38	8.94	-1.55	-.38	-1.55	-.38
	ERI =	100	POWER	-15.07	24.67	-17.70	-5.16	-17.70	-15.07
2.50	NR =	.870	14.9	6190	-740	318	1231	15.9	82
	P2 =	7.55	RAM	1.17	-.79	1.17	.00	1.17	1.17
	T2 =	887	BLEED	-.36	10.91	-1.53	-.37	-1.53	-.36
	ERI =	100	POWER	-10.75	24.72	-12.47	-3.62	-12.47	-10.75
2.70	NR =	.846	19.8	8500	-880	420	1335	21.0	104
	P2 =	10.02	RAM	1.20	-.44	1.20	.00	1.20	1.20
	T2 =	967	BLEED	-.35	12.09	-1.51	-.36	-1.51	-.35
	ERI =	100	POWER	-7.83	16.70	-9.06	-2.61	-9.06	-7.83

CONFIDENTIAL

GENERAL ELECTRIC GE4/J5G ESTIMATED PERFORMANCE

P.S.16.0

OCTOBER 1964

STANDARD DAY PRESSURE ALTITUDE 75000 FEET

MO	P2/P0	TC	P8/P0	T8	PCN	FG8	FNB	W2K	BTANG
2.30	11.2	879	5.01	879	87.7	3880	-580	208	16.0
	RAM	.01	1.15	.01	.00	1.42	-.73	.02	.00
	BLEED	-.39	-1.56	-.39	-.15	-1.95	10.04	-.38	.00
	POWER	-5.33	-17.77	-5.33	-5.76	-22.04	31.20	-15.07	.00
2.50	14.9	957	6.67	957	90.6	5500	-690	208	4.0
	RAM	.00	1.17	.00	.00	1.40	-.69	.02	.00
	BLEED	-.38	-1.55	-.38	-.05	-1.85	11.60	-.36	.00
	POWER	-3.73	-12.98	-3.73	-1.46	-15.18	24.80	-10.75	.00
2.70	19.8	1040	8.85	1040	91.9	7680	-810	208	4.0
	RAM	.00	1.20	.00	-.00	1.40	-.74	.01	-20.00
	BLEED	-.37	-1.54	-.37	-.05	-1.79	13.26	-.35	.00
	POWER	-2.68	-9.18	-2.68	-1.06	-10.69	19.20	-7.83	.00