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NASA CR 110145

A STUDY PROGRAM ON THE DEVELOPMENT OF MATHEMATICAL MODEL(S) FOR MICROBIAL BURDEN PREDICTION

JPL Contract 952532

Volume IX

Report On The

Mariner Mars 69-3

Burden Prediction

(Tasks 4, 5 and 6 of Phase VIII)

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FOREWORD

This document describes the work performed as Tasks 4, 5, and 6 of Phase VIII of JPL Contract 952532. (This is a follow-on to JPL Contract 952028.) Phase VIII accomplished improvements in the preparation of input data for the computer programs generated in Phase III.

This document reports the results of utilizing the newly developed improvements in predicting the burden on the Mariner Mars 69-3.

This work was performed for the Jet Propulsion Laboratory, California Institute of Technology, sponsored by the National Aeronautics and Space Administration under Contract NAS7-100.

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I. INTRODUCTION

During Phases I, II, and III of JPM Contract 952028 the requirements for the Microbial Burden Prediction Model (MBPM) were established, and the model was developed and programmed for computer utilization. During Phases IV, V, and VI, the model was used to estimate the burden on the Mariner V Spacecraft. References 1 through 5 describe this work.

As a result of the above work, a number of changes were identified that would improve the effectiveness of the existing computer programs. These changes were effected during Phase VII of the carry-on contract (JPL Contract 952532). As a result of the experience gained during the preparation of the input data, the desirability of a more manageable method of preparing this data for input to the program was recognized.

The Input Translator Program (ITP) has been developed during Phase VIII of JPL Contract 952532 to meet this latter need. The ITP performs much of the repetitious and time-consuming work involved in preparing input data. In addition, it also performs bookkeeping chores such as maintaining the current status of all parts. The ITP has been programmed so that only minor revisions have been made to the previously developed portions of the program. In most cases, an error of input data to the ITP is printed as an error, but does not stop the production of an input tape for the Tape Alteration Subroutine (TAS). The manual preparation of input data is therefore reduced to coding the JPL Quality Assurance Daily Activity Report log information for key punching, key punching this information, and making corrections to the errors which are flagged by the ITP. (Ref. 7)

Volume VII of this series of reports is a User's Manual which describes the various subroutines comprising the Input Translator Program, the method of data inputs, and the process of transferring the output data to the MBPM.

The principal factor in the development of the ITP that contributed to changes in existing programs was the change from making parts inputs at the Task level to making these inputs at the Subtask level.

Although the changes are minor in nature and small in number, the effect is felt on a number of pages of the User's Manual. The changes to these pages are listed in Volume VIII of this series of reports.

The ITP has been used to prepare input data based on the Mariner Mars 69-3 spacecraft for use on the MBPM. Using this input data, the MBPM has been run on the CDC 6400 at Martin Marietta's Denver facility and on the Univac 1108 at JPL in Pasadena.

This document is concerned with the preparation of the input data, the results of the burden prediction of the MM 69-3, and a comparison with swab sample data taken during the spacecraft preparation.

II. INPUT PREPARATION

During the assembly, testing and preparation of a spacecraft, a daily activity report of all activities and the time involved in each activity is maintained. The first page of the log of MM 69-3 is shown in Table 1.

Using this record as a source of information, JPL prepared data in the format shown in Tables 2, 3, and 4. The first page of data, prepared according to this format, is shown on Table 5 and includes the activity shown on Table 1. 355 pages of data covering the 252 days of activity were prepared. The data were then key punched onto cards for input to the ITP.

JET PROPULSION LABORATORY
Q. A. S/C DAILY ACTIVITY REPORT

SAF [X] AMR [ ]

PROGRAM MM69
SPACECRAFT M69-3
DATE 6-17-68

TIME	UNIT NO.	DAILY ACTIVITY	INIT.	REMARKS-PENDING ITEMS
0730	2009W304	Flight screws, nuts, and clamps being installed on upper ring harness.		
	2009W109	S/N 003, 003.	JF	
		6-18-68		
0800	9W304	Changing all fasteners on harness to cable tray and also at Bendix		
	9W109	connectors to tray, installing flight quality. Washers, screws, nuts,		
		and nylon clamps.	AB	
1435	S/C	Hand carried octagon structure to low level positioner cable tension set		
		at 600#. U'ring torqued 250"#.	AB	
		Low level positioner was optically leveled and 003 shim installed at one		
		position for a plane of .001.	RL	
1500	S/C	Removing all shear plates prior to cleaning all surfaces. Octagon		
		structure S/N 004.	AB	
1545	1A11	Bay II shear plate top ring (S) 6-32 screws installed and torqued 18"#.		
		These are not per drawing. Drawing to be changed (fastener).	AB	

TABLE 1. Daily Activity Report Page

JPL 1532 MAY 64

REQUEST NO.__________ PROGRAM LABEL _________ DATE__________

CUSTOMER___________________________________ PHONE EXT. __________

TASK CARD

Columns 1–80:

TASK XX DAY XXX 6/17/68

TABLE 2. ITP Standard Data Format - Card 1

F-232D (3-60)

REQUEST NO. _____ PROGRAM LABEL _____ DATE _____

CUSTOMER _____ PHONE EXT. _____

SUBTASK CARD (ONE PER QA LOG ENTRY)

Columns	Field
1–6	SUBTASK NUMBER
7–26	DESCRIPTION OF SUBTASK
27–32	TIME TO PERFORM (MIN.)
33–34	NUMBER OF MEN REQUIRED
35–36	ENVIRONMENT
37–38	CLOTHING
39–40	TOOLS
41–42	TOOLS
43–44	TOOLS
45–46	PREREQUISITE TASK
47–48	BLANK
49–50	PREREQUISITE SUBTASK
51–52	TYPE OF SUBTASK
53–54	OPERATIONS MAKING UP SUBTASK (ID.)
55–56	TIME REQUIRED
57–58	OPERATION ID
59–60	TIME
61–62	OPERATION ID
63–64	TIME
65–68	OPERATION ID
69–70	
71–72	TIME
73–74	
75–76	OPERATION ID
77–78	TIME
79–80	

TABLE 3. ITP Standard Data Format - Card 2

F-232D (3-60)

REQUEST NO. _____ PROGRAM LABEL _____ DATE _____

CUSTOMER _____ PHONE EXT. _____

PARTS AFFECTED IDENTIFICATION (ONE PER SUBTASK CARD)

1–6	7–8	9–14	15–20	21–26	27–32	33–38	39–44	45–50	51–56	57–62	63–68	69–74	75–80
PART AFFECTED (ID)		PART ID	PART ID	PART ID	PART ID	PART ID	PART ID	PART ID	PART ID	PART ID	PART ID	PART ID	

TABLE 4. ITP Standard Data Format - Card 3

F-2320 (5-60)

STAGE 1 S/C ASSEMBLY & CHECKOUT

FORTRAN Coding Form

FORTRAN STATEMENT

```
TASK 1 DAY 001 6/17/68
 1INST UPPER RING HARN          510 2H1 1 2 511'      I 1 400 2 4014 70
01A02 15A01X15A02X
 2SECURED IN HIGH BAY           930 H1              1 1T18 930
00000

TASK 2 DAY 002 6/18/68
 1REM FASTENERS RING HARN       195 2H1 112         1 1R 2 95 1 100
01A02 15A01X15A02X
 2INST CABLE TRAY TØ HARN       195 2H1 1 2 5       2 1I 1 55 2 7014 70
01A02 15A01X15A02X15A03X
 3INST ØCTAGØN                  35 4H1 4 5            I 1 20 2 10 9 5
01A02X15A01 15A02 15A03
 4CLEAN ØCTAGØN STRUCTURE       45 2H1              2 3C 1 5 6 15 7 20 9 5
01A02X
 5INST BAY 2 SHEAR PLATE        15 1H1 1 3 5        2 4I 1 7 2 8
01A02X
 6SECURED IN HIGH BAY           955 H1              2 5T18 955
00000

TASK 3 DAY 003 6/19/68
 1CLEAN ØCTAGØN STRUCTURE       15 2H1              2 5C 1 5 6 5 7 5
01A02X
 2SPØTFACE RING CASES           50 2H1 7            3 1T 9 1012 40
```

TABLE 5. ITP Standard Data - Sample Page

In theory, the manual involvement with the data ends here. If the cards are in the proper sequence, the ITP will run and produce a tape that is acceptable to the MBPM. In practice, however, the printout of the ITP should be examined for errors, as the ITP will take corrective action to prevent termination of the run. These errors may be in any of the following categories: (1) errors of omission in the format, which in fact are not errors (for example, an operation time so short as to be approximately zero), (2) errors that have no effect on the output (for example, two successive installations of the same part; the program ignores the second installation), (3) errors that have a small effect on the output (for example, if no men are specified for an installation operation, the ITP will assume that one man was involved, whereas, there could have been several), and (4) errors that might have considerable effect on the output (for example, a part with a large area (and probably large burden) could have been removed and not reinstalled before launch).

In addition to the daily log of activities, a list of parts, with the area of each surface (top exposed, exposed, mated and occluded) is furnished. In MM 69-3 only three surface types have been identified -- no area is assigned to the top exposed surface. The mated surface area is included in the occluded surface area where the part has occluded area shown. The program accepts mated areas even when the occluded area is zero. The surface histograms, a list of constants, the decontamination operations, and a list of the environment letters used are input. All of these data precede the daily log data. A complete listing of the input data to the ITP for the MM 69-3 is given in the Appendix.

When the output print of the ITP was examined and it was determined that no errors remained in the input data that could have appreciable impact on the output, the tape was ready for use as Tape 12 (input) to the TAS subroutine of the MBPM. Even here, the TAS permits correction of the tape as the data is fed into the main program, as it was designed to do with manually generated input data tapes (Ref. 6).

III. BURDEN PREDICTION

A. MBPM Output

The printout options exercised in the MBPM produced the following types of information:

(1) At the end of each Task (day) the distribution of burden on the total area of each surface type and the distribution of burden on the total area of all surfaces combined was printed out. These histograms give the burdens for cumulative probabilities of .05, .50, .80, .95, and 1.00. The burden for the first day is shown on Table 6.

(2) At the end of the Task when the swab samples were taken, at the end of the first stage, and at the end of the run, the distribution of burden on each surface of each subzone was printed out. An example of this type of data is given on Table 7.

B. Swab Sample Results

Swab samples were taken on six different days during the spacecraft preparation. On each of these days samples were taken from several areas on the spacecraft. Each sampling area was 4 sq. in. (1/36 sq. ft.). For each of these samples, a record of the colony count was kept.

```
TASK SUMMARY
RUN 1. STAGE  1. TASK   1   DAY 001   6/17/68

                          TASK START TIME   =  0.

                          TASK FINISH TIME  =  2.40000E+01


BURDEN TOTALS BY SURFACE - - - - - - - - - - - -


SURFACE 1. TOTAL AREA=    0.    , TOTAL BURDEN =  0.


SURFACE 2. TOTAL AREA=  195.792. TOTAL BURDEN MEAN VALUE =  1.31428E+05
 PROBABILITY =          .05000    .45000    .30000    .15000    .05000
 RANGE =   1.72E+01  1.42E+04  9.00E+04  1.99E+05  3.03E+05  1.03E+06


SURFACE 3. TOTAL AREA=     .632. TOTAL BURDEN MEAN VALUE =  6.00918E+02
 PROBABILITY =          .05000    .45000    .30000    .15000    .05000
 RANGE =   0.        6.50E+01  4.35E+02  8.03E+02  1.38E+03  4.10E+03


SURFACE 4. TOTAL AREA=    0.    , TOTAL BURDEN =  0.


- - - - - - - - - - - - - - - - - - - - - - - -


TOTAL. ALL SURFACES.  AREA=  196.424.  BURDEN MEAN VALUE =  1.32029E+05
 PROBABILITY =          .05000    .45000    .30000    .15000    .05000
 RANGE =   1.71E+01  1.46E+04  9.06E+04  1.70E+05  3.04E+05  1.03E+06
```

TABLE 6. MBPM End of Task Typical Printout

```
TASK SUMMARY
RUN 1, STAGE  1, TASK  70   DAY 070  08/25/68

                            TASK START TIME   =  1.65600E+03

                            TASK FINISH TIME  =  1.68000E+03

BURDEN DISTRIBUTIONS AT END OF TASK

BURDENS BY ZONE AND SURFACE   - - - - - - - - - -

ZONE   1   01A00
   SURFACE NUMBER 2, AREA=   55.090, BURDEN  MEAN VALUE =  5.40794E+02
 PROBABILITY =          .50151    .43541    .06040    .00265    .00002
 RANGE =   1.08E-03  5.08E+02  1.02E+03  1.52E+03  2.03E+03  2.55E+03

   SURFACE NUMBER 3, AREA=     .806, BURDEN  MEAN VALUE =  7.66006E+02
 PROBABILITY =          .00015    .28404    .47857    .17442    .06282
 RANGE =   0.          3.87E+01  4.18E+02  8.76E+02  1.47E+03  4.46E+03

ZONE   3   03A00
   SURFACE NUMBER 2, AREA=   11.972, BURDEN  MEAN VALUE =  2.67256E+02
 PROBABILITY =          .13761    .50733    .25367    .05615    .04524
 RANGE =   5.14E-03  8.54E+01  2.45E+02  4.07E+02  5.93E+02  2.36E+03

   SURFACE NUMBER 3, AREA=     .618, BURDEN  MEAN VALUE =  5.87711E+02
 PROBABILITY =          .05000    .45000    .30000    .15000    .05000
 RANGE =   0.          3.65E+01  3.95E+02  8.27E+02  1.39E+03  4.21E+03

   SURFACE NUMBER 4, AREA=    1.014, BURDEN  MEAN VALUE =  9.41968E+02
 PROBABILITY =          .05000    .45000    .30000    .15000    .05000
 RANGE =   1.81E-01  7.13E+01  6.31E+02  1.31E+03  2.24E+03  6.76E+03

ZONE   5   05A00
   SURFACE NUMBER 2, AREA=    8.792, BURDEN  MEAN VALUE =  8.63650E+01
 PROBABILITY =          .49212    .44243    .06253    .00289    .00003
 RANGE =   3.31E-10  8.01E+01  1.61E+02  2.41E+02  3.22E+02  4.08E+02

ZONE   6   06A00
   SURFACE NUMBER 2, AREA=     .007, BURDEN  MEAN VALUE =  6.81351E-02
 PROBABILITY =          .50230    .43478    .06026    .00264    .00002
 RANGE =   6.40E-09  6.41E-02  1.28E-01  1.92E-01  2.56E-01  3.21E-01

   SURFACE NUMBER 3, AREA=     .007, BURDEN  MEAN VALUE =  6.60350E+00
 PROBABILITY =          .05000    .45000    .30000    .15000    .05000
 RANGE =   0.          4.10E-01  4.44E+00  9.30E+00  1.56E+01  4.74E+01
```

TABLE 7. Subzone Surface Burden Typical Printout

```
ZONE   7   07A00
```

The total burden was estimated from the swab sample data by using the equation

$$\text{Burden} = \frac{(\text{sample mean})(36)A}{E}$$

where A = the area (in sq. ft.) to which the burden is to be extrapolated.

E = the sampling efficiency

Table 8 summarizes the swab sample data and shows the estimate of total burden for sampling efficiencies of 30% and 70%, extrapolated to the area of the spacecraft at the time of sampling, as determined from the MBPM output. The attribute data were not used in this computation.

C. MBPM and Swab Sample Comparison

The results of the MBPM predictions are shown graphically on Figure 1 for the 5%, mean, and 95% probabilities. As these are the probabilities that the value shown will not be exceeded, there is a 90% probability that the microbial burden will be between the 5% and 95% values. These data are subject to erratic day-to-day variations because contamination and decontamination operations can drastically affect the burden on individual parts and the installation and removal of parts tend to cause abrupt changes in the total surface involved in the calculation.

Plotted on this same figure are the swab sample estimates for sampling efficiencies of 30% and 70%. These two predictions tend to diverge with time, as the mathematical model predictions have an upward trend, while the swab sample predictions have a downward trend. An analysis of the reasons for this disagreement (approximately 40 to 1 just prior to launch) has not been made and was not included in the statement of work to be performed under this contract.

DATE (Day) / COUNT	10/21/68 (126)	12/9 (127)	12/28 (194)	1/8 (205)	2/5 (233)	2/10/69 (238)
	FREQUENCY OF OCCURRENCE					
0	171	213	173	225	235	231
1	52	21	12	20	11	15
2	9	3	1	2		4
3	7	2	2		2	
4	3	1				
5	1	2		2	1	
6	2			1	1	
7						
8	2	1				
9						
10	2					
11						
12	1					
Number of Swab Samples	250	243	188	250	250	250
Total Colony Count	168	55	20	46	28	23
Mean Colony Count	0.672	0.226	0.1063	0.184	0.112	0.092
Burden Calculated on 30% Sampling Eff.	98,400	17,400	8,000	12,100	15,500	13,440
Burden Calculated on 70% Sampling Eff.	42,100	7,470	3,440	5,180	6,650	5,760

Table 8. SUMMARY OF SWAB SAMPLE DATA

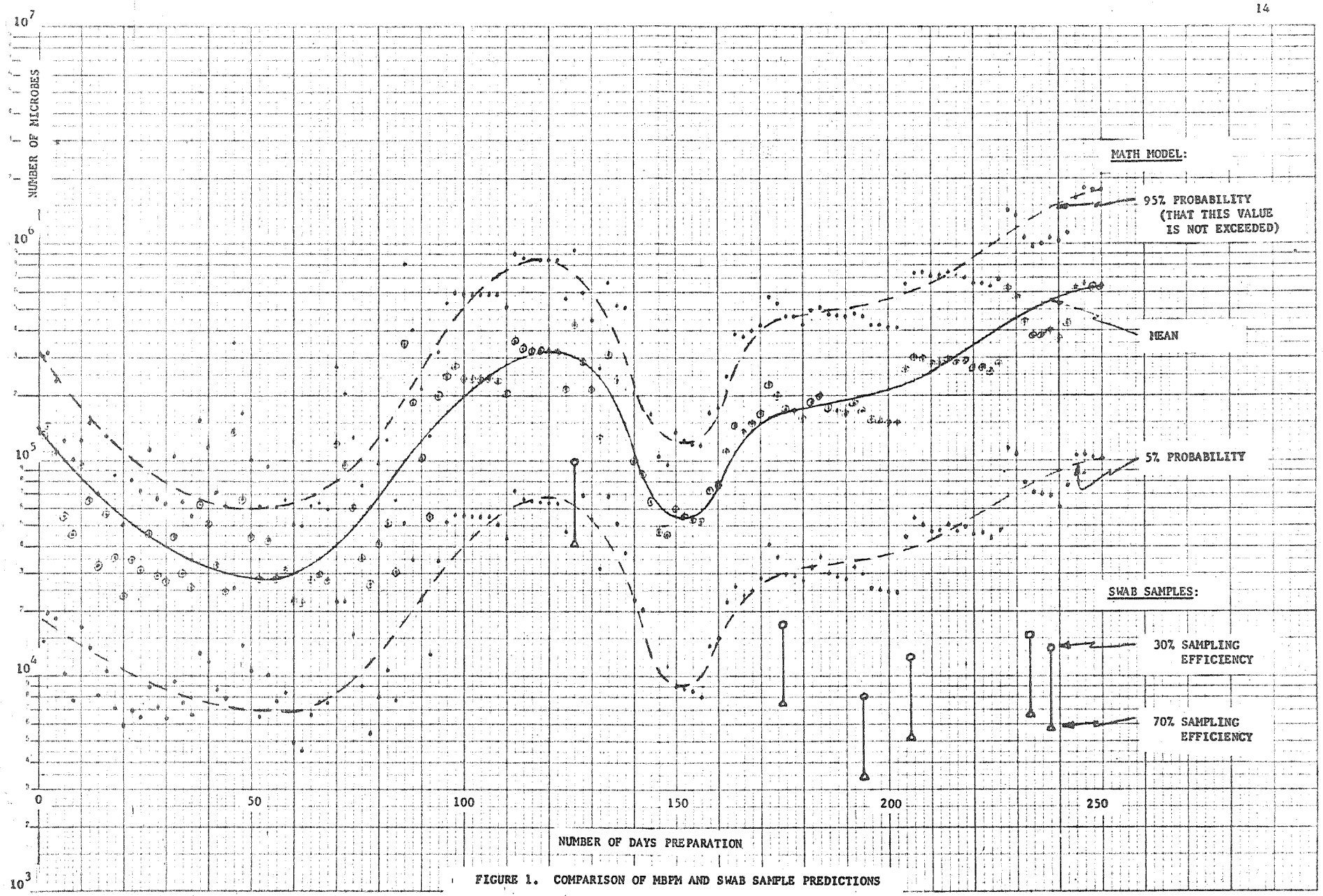

FIGURE 1. COMPARISON OF MBPM AND SWAB SAMPLE PREDICTIONS

IV. CONCLUSIONS AND RECOMMENDATIONS

For the first time, the ITP has been interfaced with the MBPM on a complete run. This document reports the results of the MBPM prediction for that case (the MM 69-3). These results have been compared with the data obtained by taking swab samples. Although conclusions as to the reasons for the disparities between the burden predictions obtained by the two methods were not included as part of this contract, several points should be noted.

The two methods seem to give results that diverge with time; the MBPM continues to increase whereas the swab sampling continues to decrease with time until the MBPM is approximately forty times as great as the swab sampling just prior to launch. When these results were compared with the results for the Mariner Venus 67-2, it is found that the swab sample data for the MM 69-3 are lower by an order of magnitude than comparable data for the MV 67-2. The MBPM results for the MM 69-3 and the MV 67-2 are in rather close agreement, but it should be pointed out that the same histogram data were used for both (as per Contract specifications).

It is recommended that the input data to the MBPM and the swab sampling be reviewed to gain insight into the reasons for the difference in predictions and particularly into the reasons for the divergence in slope of the curves.

It is also recommended that the necessary action be taken to enable multitape operation on the Univac 1108 with FORTRAN programming so that a complete run may be made from a single start (without requiring restarts).

REFERENCES

The following references, which were issued in December, 1968, and are available through the NASA STAR, form the final report for JPL Contract 952028, A Study Program on the Development of a Mathematical Model(s) for Microbial Burden Prediction:

(1) Volume I, Technical Report

(2) Volume II, User's Manual for the Microbial Burden Prediction Model

(3) Volume III, Appendices

(4) Volume IV, Addendum: Technical Report

(5) Volume V, Addendum: Appendices

The following reference, which was issued in October 1969 forms the report for the work performed under the original phase of Contract 952532 prior to the work covered by this report:

(6) Volume VI, Technical Report, Phase VII, Revised User's Manual for the Microbial Burden Prediction Model

The following two references, which are issued concurrently with this document, when combined with this document comprise the report for the work performed under the extension to JPL Contract 952532:

(7) Volume VII, User's Manual for the Input Translator Program

(8) Volume VIII, Addendum to the User's Manual for the Microbial Burden Prediction Model

APPENDIX

ITP INPUT DATA

LISTING FOR MM 69-3

INITIAL				
01A00	SUBZONE STRUCTURE (A)	4030	249	8738
01A01	OCTAGON STRUCTURE ASMBLY			3270
01A02	SUPER STRUCTURE ASMBLY		96	1296
01A03	SUN SENSR PEDST BAY IV		23	109
01A04	SUN SENSR PEDST BAY VIII		18	157
01A05	S/P SUPRT HINGE BAY I	28	2	
01A06	S/P SUPRT HINGE BAY III	28	2	
01A07	S/P SUPRT HINGE BAY V	28	2	
01A08	S/P SUPRT HINGE BAY VII	28	2	
01A09	S/P SUPRT DPLOY BAY I	68	3	
01A10	S/P SUPRT DPLOY BAY III	68	3	
01A11	S/P SUPRT DPLOY BAY V	68	3	
01A12	S/P SUPRT DPLOY BAY VII	68	3	
01A13	PROP BALL ENG MOUNT SIDE		1	6
01A14	PROP RET BALL ENG MOUNT		6	12
01A15	PROP FTG ENG MOUNT SIDE		10	68
01A16	PROP BASE ENG MOUNT SIDE		30	114
01A17	FTG ENG MOUNT UPPER			37
01A18	PROP BASE ENG MOUNT UPPR			37
01A19	LATCH. SUPPORT INBOARD		40	152
01A20	LATCH. SUPPORT OUTBOARD		4	20
01A21	LATCH. INBRD MOTION SWCH			4
01A22	ACCELEROMETER ADAPTER		1	2
01A23	ADAPTER STRUCTURE	3454		3454
01A24	V-BAND ASSEMBLY	192		
01B00	SUBZONE MECH DEVICES (B)	136	100	285
01B01	LATCH ASMBLY SCAN PLATFM		72	224
01B02	LATCH OUTBRD MOTION SWCH		2	4
01B03	REL DEVICE + TENSION MON	16		
01B04	SEPARATION SPRING DEVICE	112	18	
01B05	SEPARATION INITIATE TIMR		3	22
01B06	PYRO ARMING SWTCH ASMBLY		1	8
01B07	ACCELEROMETER IN FLT LEG		4	22
01B08	ACCELEROMETER AMP CHARGE			3
01B09	SCAN PLAT LATCH VENT SOB			2
01B10	V-BAND SOIBS	8		
02A00	SUBZONE LOW GAIN ANT (A)	1546	20	75
02A01	LOW GAIN ANTENNA ASSMBLY	1384	16	75
02A02	LOW GAIN ANTENNA CABLE	31		
02A03	LOW GAIN ANT SHRT DAMPER	53	2	
02A04	LOW GAIN ANT LOWR DAMPER	78	2	
02B00	SUBZONE TCFM (B)	1171	2	
02B01	TCFM SENSR XDUCER ASSMBY	2	1	
02B02	WIRING HARNESS TCFM SENS	1169	1	
02C00	SUBZONE HIGH GAIN ANT(C)	3868	20	
02C01	HIGH GAIN ANTENNA ASSMBY	3613	20	
02C02	PROBE SUB ASSMBLY	2		
02C03	FEED CABLE SUB ASSMBLY	91		
02C04	HIGH GAIN LOW CABLE ASSY	162		
03A00	SUBZONE PLAT + TRANSDUCR	2066	115	235
03A01	SCAN PLAT STRUCTURE ASSY	1724	89	235
03A02	SCAN PLAT HALF LOUVER	342	26	
03B00	SUBZONE SCIENCE INSTRMNT	4588	141	
03B01	MARS GATE ASSY=1 NARROW	24	4	
03B02	MARS GATE ASSY=2 NARROW	24	4	
03B03	FARENCOUNTD PLANET SENS	50	8	
03B04	SCAN ACT ASSY(CLOCK AX)	55	7	
03B05	SCAN ACT ASSY (CONE AX)	55	7	
03B06	IR RADIOMETER ASSEMBLY	204		
03B07	IRR TEMP XDUCER	2	1	
03B08	UV SPECTROMETER ASMBLY	1452		

03B09	UVS TEMP XDUCER	2	1	
03B10	WIDE ANG TV CAMERA ASSY	227		
03B11	TV A TEMP XDUCER	2	1	
03B12	TV NARROW ANG CAMERA B	1094		
03B13	TV B VIDICON TEMP XDUCR	2	1	
03B14	TV B OPTICS TEMP XDUCER	2	1	
03B15	IR SPECTROMETER GAS STOR	239		
03B16	MONOCHROMETER TELESCOPE	1032	99	
03B17	IRS VENT ASSEMBLY	100		
03B18	IRS ELECT TEMP XDUCER	2	1	
03B19	IRS RADIATER TEMP XDUCER	2	1	
03B20	ACCELEROMETER SCAN PLAT	2	1	
03B21	TEMP XDUCR SCAN PLAT YOK	2	1	
03B22	SCAN PLAT LATCH PRESS XD	2	1	
03B23	MANIFOLD ASSEMBLY	8		
03B24	IRS GAS VALVE, SQUIB N2	2	1	
03B25	IRS GAS VALUE, SQUIB H2	2	1	
04A00	SUBZONE SOLAR PANEL ASSY	58288		
04A01	SOLAR PANEL ASSY -X+Y	14572		
04A02	SOLAR PANEL ASSY +Y	14572		
04A03	SOLAR PANEL ASSY -X	14572		
04A04	SOLAR PANEL ASSY -Y	14572		
04B00	SOLAR PANEL MECH DEVICES	420		
04B01	DEPLOY MECHANISM ASSMBLY	28		
04B02	SOLAR PANEL BOOST DAMPRS	48		
04B03	SOLAR PANEL CRUISE DAMPR	28		
04B04	S/P PIN PULLER HARNESS+X	71		
04B05	S/P PIN PULLER HARNESS+Y	71		
04B06	S/P PIN PULLER HARNESS-X	71		
04B07	S/P PIN PULLER HARNESS-Y	71		
04B08	SOLAR PANEL PIN PULLER	8		
04B09	S/P UNLATCH MOTION SENSR	8		
04B10	S/P SQUIB LEFT	8		
04B11	S/P SQUIB RIGHT	8		
05A00	CHASSIS,LOUVERS,TRANSDUC	311	44	1585
05A01	CHASSIS PWR/PYRO/SCAN/TC			1266
05A02	LOUVER BAY I	311	40	311
05A03	CHASSIS TEMP XDUCER		4	8
05B00	SUBZONES MODULES (B)		149	1350
05B01	PYRO CONTROL I+II RIGHT		21	120
05B02	PYRO CONTROL I+II LEFT		2	6
05B03	POWER DISTRIBUTION		9	108
05B04	2400 HZ MAIN INVERTER		15	132
05B05	2400 HZ STANDBY INVERTER		15	132
05B06	400 HZ 10+30 INVERTER		21	156
05B07	HEATER + DC PWR DISTRIBU		9	108
05B08	TEMP CNTRL MONITOR I		9	108
05B09	TEMP CNTRL MONITOR II		9	108
05B10	SCAN LOGIC ELECTRONICS		9	108
05B11	SCAN POWER SUPPLY		9	108
05B12	SERVO AMP+STEPPER MOTOR		21	156
05C00	HARNESSES AND CABLES		45	1894
05C01	POWER HARNESSES		22	626
05C02	TCFM HARNESS		4	242
05C03	TCFM INTER CONN HARNESS		2	40
05C04	SCAN HARNESS		12	434
05C05	PYRO DIR. ACCESS HARNESS		5	552
06A00	CHASSIS, TRANDUCERS (A)		5	675
06A01	N2 TANK PRESSURE XDUCER		1	2
06A02	N2 TANK TEMP XDUCER		1	2
06A03	PROP TANK PRESS XDUCER		1	2
06A04	PROP TANK TEMP XDUCER		1	2

06A05	THRUST CHAMBR PRES XDUCR		1	2
06A06	PROPULSION CHASSIS			665
06BCC	PROP SYSTEM ASSEMBLY (B)	40	47	505
06B01	THRUST VECTOR CONTROL		35	85
06B02	JET VANE ACTUATOR	40		
06B03	PROP VALVE ASSEMBLY		6	40
06B04	PROP TANK ASSEMBLY		6	380
06CCC	NITROGEN SYSTEM ASSEMBLY		96	502
06C01	N2 VALVE ASSEMBLY		5	27
06C02	N2 REGULATOR ASSEMBLY		2	37
06C03	N2 TANK ASSEMBLY		6	133
06C04	THRUST PLATE + ENG ASSY		74	196
06C05	ROCKET ENGINE ASSEMBLY		6	84
06C06	INCIDENTAL PLUMBING		3	25
06DCC	HARNESSES + SQUIBS	613	19	1529
06D01	WIRING HARN TVCA + SENSR		5	251
06D02	WIRING HARN PROP PYRO		6	748
06D03	PROPELLANT THERML SHIELD	613		514
06D04	PROP PROPEL START SQUIBS		2	4
06D05	PROP NITROG START SQUIBS		2	4
06D06	PROP PROPEL STOP SQUIBS		2	4
06D07	PROP NITROG STOP SQUIBS		2	4
07ACC	CHASSIS,LOUVERS,TRANSDUC	240	44	1909
07A01	CHASSIS A/C CC+S			818
07A02	EAGLE SHIELD	240	40	240
07A03	SHEAR PLATE CC+S ATT CON			739
07A04	CHASSIS TEMP XDUCER		4	8
07A05	SUPPORT SUB CHASSIS			104
07BCC	SUBZONE MODULES (B)		163	1244
07B01	CC + S POWER SUPPLY		7	119
07B02	CC + S TIMING CONTROL		28	267
07B03	CC + S EVENT CONTROL		28	267
07B04	CC + S MEMORY		19	169
07B05	ATT CONTROL ELECT		35	287
07B06	GYRO CONTROL		46	135
07CCC	HARNESSES AND CABLES (C)		57	2113
07C01	WIRING HARNESSES CC + S		30	1577
07C02	WIRING HARN ATT CONTROL		18	519
07C03	FUSED CONNECTOR		9	17
08ACC	CHASSIS,LOUVER,TRANSDUC	311	4	1202
08A01	CHASSIS CMD TELEMETRY			883
08A02	LOUVER BAY IV	311		311
08A03	CHASSIS TEMP XDUCER IV		4	8
08BCC	SUBZONES MODULES (B)		165	2162
08B01	CMD DETECTOR SUBASSY 1		7	110
08B02	CMD DETECTOR 2+PROG CONT		7	110
08B03	CMD DECODER SUBASSY 1		7	110
08B04	CMD DECODER SUBASSY 2		7	110
08B05	CMD DECODER 3 PWR SUPPLY		7	110
08B06	TIMING GENERATOR SUBASSY		10	123
08B07	DATA PROCESSOR SUBASSY		10	123
08B08	ANALOG/DIGITAL CONVERTER		10	123
08B09	ANALOG/DIGITAL CONVERTER		10	123
08B10	TRANSFER REGISTER SUBASY		10	123
08B11	MODE+RATE CONTROL SUBASY		10	123
08B12	PROGRAMER SUBASSEMBLY		10	123
08B13	DECK 100-110 210-220		10	123
08B14	DECK 200-300-LOW LEV AMP		10	123
08B15	DECK 400-410 SUBASSEMBLY		10	123
08B16	DECK 420-430 SUBASSEMBLY		10	123
08B17	BLOCK CODER SUBASSEMBLY		10	123
08B18	POWER SUPPLY SUBASSEMBLY		10	136

08C00	HARNESSES AND CABLES (C)		54	2105
08C01	WIRING HARN FLIGHT COMND		25	862
08C02	WIRING HARN FLIGHT TELEM		29	1243
09A00	CHASSIS,LOUVERS,TRANSDUC	311	44	1385
09A01	CHASSIS DATA STORAGE			1066
09A02	LOUVER BAY V	311	40	311
09A03	CHASSIS TEMP XDUCER		4	8
09B00	SUBZONE MODULES (B)		193	1351
09B01	ANALOG TAPE TRANSPORT		48	236
09B02	ATR PLAYBACK ELECTRONICS		9	108
09B03	DSS LOGIC SUBASSEMBLY		9	108
09B04	MTR DRIVER AMP SUBASSY		30	123
09B05	2400 HZ POWER SUPPLY		18	150
09B06	DIGITAL TAPE TRANSPORT		35	214
09B07	DTR PLAYBACK ELECTRONICS		21	162
09B08	ATR+DTR RECORD ELECTRONI		11	124
09B09	DSS CONT LOGIC INTERFACE		11	124
09B10	HEATER		1	2
09C00	HARNESSES AND CABLES (C)		19	2596
09C01	WIRING HARN DATA STORAGE		19	2596
10A00	CHASSIS,LOUVERS,TRANDUC		49	1123
10A01	CHASSIS RADIO SUBASSY		40	1105
10A02	CHASSIS TEMP XDUCER VI		4	8
10A03	VCO TEMP XDUCER		1	2
10A04	AUX OSC TEMP XDUCER		2	4
10A05	TWT BASE TEMP XDUCER		2	4
10B00	SUBZONE MODULES (B)		201	1327
10B01	CONTROL UNIT SUBASSEMBLY		12	127
10B02	DIPLEXER SUBASSEMBLY		21	156
10B03	RECEIVER SUBASSEMBLY		36	216
10B04	RF SWITCH SUBASSEMBLY		12	120
10B05	FILTER/HYBRID SUBASSMBLY		12	88
10B06	OUTPUT FILTER SUBASSMBLY		6	68
10B07	EXCITER SUBASSEMBLY		42	240
10B08	TWTA SUBASSEMBLY		60	312
10C00	HARNESSES AND CABLES (C)		24	792
10C01	WIRING HARN RADIO FREQ		15	627
10C02	RF CABLE FLEXIBLE		3	33
10C03	RF CABLE SEMI-RIGID		3	66
10C04	RF CABLE SEMI-RIGID		3	66
11A00	CHASSIS,LOUVERS,TRANSDUC	311	4	1465
11A01	CHASSIS SCIENCE EQUIP			777
11A02	LOUVER BAY VII	311		311
11A03	SHEAR PLATE SCIENCE EQUI			369
11A04	CHASSIS TEMP XDUCER		4	8
11B00	SUBZONE MODULES (B)		323	2212
11B01	DAS POWER CONVERTER SUBA		11	140
11B02	DAS LOGIC SUBASSEMBLY		24	256
11B03	DAS LOGIC SUBASSEMBLY		24	256
11B04	DAS LOGIC SUBASSEMBLY		24	256
11B05	TV POWER SUPPLY SUBASSY		174	563
11B06	TV DATA CONVERTER SUBASY		22	247
11B07	TV CAMERA DRIVERS SUBASY		22	247
11B08	TV CONTROL SUBASSEMBLY		22	247
11C00	HARNESSES AND CABLES (C)		47	2175
11C01	WIRING HARNESS DAS		11	256
11C02	WIRING HARN DAS INTERCON		19	1299
11C03	WIRING HARN TV ELECTRONI		16	618
11C04	HEATER		1	2
12A00	CHASSIS,LOUVERS,TRANSDUC	311	5	1191
12A01	CHASSIS POWER REGULATOR			870
12A02	LOUVER BAY VIII	311		311

12A03	TEMP XDUCERS		5	10
12B00	SUBZONE MODULES (A)		516	1671
12B01	POWER SOURCE + LOGIC		99	244
12B02	MAIN BOOSTER REGULATOR		34	143
12B03	STANDBY BOOSTER REGULATR		34	143
12B04	POWER CONTROL SUBASSY		93	312
12B05	BATTERY CHARGER		42	172
12B06	BATTERY ASSEMBLY		214	657
12C00	HARNESSES + CABLES (C)		15	6204
12C01	WIRING HARN POWER REGULA		15	6204
13A00	A/C GAS SYSTEM ASSY (A)	1063	66	611
13A01	A/C GAS SYSTEM ASY +X/+Y	177		
13A02	HI PRESS (GAS) SUPP EQUI		18	289
13A03	PITCH JETS ASSY (+Y SOLR	20	4	
13A04	ROLL+YAW JETS ASY(+X SOL	56	6	
13A05	JET VALVES	5	3	
13A06	CABLE ASSY A/C GAS SYSTT	540		20
13A07	GAS VESSEL TEMP XDUCER		2	4
13A08	GAS VESSELL PRESS XDUCER		2	4
13A09	A/C GAS SYSTM ASY(-X/-Y	177		
13A10	HI PRESS(GAS) SUPPRT EQ		18	289
13A11	PITCH JETS ASY (-Y SOLR	20	4	
13A12	ROLL+YAW JETS ASY(-X SO	56	6	
13A13	JET VALVES		3	5
13A14	FLIGHT NOZZLES +X/+Y	6		
13A15	FLIGHT NOZZLES -X/-Y	6		
13B00	SUBZONE SENSORS (B)	274	121	695
13B01	SUN SENSOR PRIMARY ASSY		8	62
13B02	SUN SENSOR PRIM TEMP XD		1	2
13B03	SUN SENSOR SECONDARY		4	21
13B04	SUN SENSOR SECONDARY		4	21
13B05	SUN SENSOR SECONDARY		4	21
13B06	SUN SENSOR SECONDARY		4	21
13B07	SUN GATE DETECTOR ASSY		2	11
13B08	CANOPUS SENSOR ASSY	137	91	530
13B09	CANOPUS SENSOR TEMP XDU		1	2
13B10	CANOPUS SENSOR BAFFLE	137		
13B11	SUN DETECTOR		2	4
14A00	TEMP CONTROL ATTACH ASY	12774	983	12668
14A01	UPPR THERML SHIELD BLNK	3600		3600
14A02	LOWR THERML SHIELD BLNK	2736		2736
14A03	SCAN PLAT T/C SHIELD BLK	2592		2592
14A04	PRI SUN SEN PED L BLK B4	99		99
14A05	PRI SUN SEN PED L BLK B8	99		99
14A06	T/C SHIELD CORNER A	85		85
14A07	T/C SHIELD CORNER B	85		85
14A08	T/C SHIELD CORNER C	85		85
14A09	T/C SHIELD CORNER D	85		85
14A10	T/C SHIELD CORNER E	85		85
14A11	T/C SHIELD CORNER F	85		85
14A12	T/C SHIELD CORNER G	85		85
14A13	T/C SHIELD CORNER H	85		85
14A14	CHANNEL UPPER BAY I	44	44	44
14A15	CHANNEL UPPER BAY III	44	44	44
14A16	CHANNEL UPPER BAY V	44	44	44
14A17	CHANNEL UPPER BAY VII	44	44	44
14A18	CHANNEL UPPER BAY VIII	44	44	44
14A19	CHANNEL LOWER BAY I	44	44	44
14A20	CHANNEL LOWER BAY III	44	44	44
14A21	CHANNEL LOWER BAY IV	44	44	44
14A22	CHANNEL LOWER BAY V	44	44	44
14A23	CHANNEL LOWER BAY VII	44	44	44

14A24	CHANNEL LOWER BAY VIII	44	44	44
14A25	ANGLE ATTACH BAY I	32	32	32
14A26	ANGLE ATTACH BAY III	32	32	32
14A27	ANGLE ATTACH BAY V	32	32	32
14A28	ANGLE ATTACH BAY VII	32	32	32
14A29	ANGLE ATTACH BAY VIII RS	34	34	34
14A30	ANGLE ATTACH BAY VIII LS	34	34	34
14A31	ANGLE ATTACH BAY II	35	35	35
14A32	ANGLE ATTACH BAY VI	35	35	35
14A33	RING CENTR SUPRT LOW T/C	22	22	22
14A34	RING LOWER T/C SHIELD	27	26	26
14A35	SPRING LOWER BLANKET	8	8	8
14A36	CLAMP LOWER RING	8	8	8
14A37	ANGLE ATTACH BAY IV	32	33	33
14A38	SHIELD CORNER H R. STRUT	232		232
14A39	SHIELD CORNER B R. STRUT	169		169
14A40	SHIELD CORNER B L. STRUT	169		169
14A41	SHIELD CORNER E R. STRUT	156		156
14A42	SHIELD CORNER E L. STRUT	272		272
14A43	SHIELD CORNER H L. STRUT	143		143
14A44	SHIELD LONG DAMPER	168		168
14A45	SHIELD FITTING CORNER B	70		70
14A46	SHIELD FITTING CORNER E	70		70
14A47	SHIELD FITTING CORNER H	70		70
14A48	SHIELD CANOPUS BAFFLE	48		48
14A49	SHIELD S/P HINGE A+B	60		60
14A50	SHIELD S/P HINGE C+D	60		60
14A51	SHIELD S/P HINGE E+F	60		60
14A52	SHIELD S/P HINGE G+H	60		60
14A53	SHIELD CANOPUS CAD SUL	3		3
14A54	BRACKET 1/2 LOUVER SUPP	139	27	139
14A55	SHIELD UPPER BAY IV	36	36	36
14A56	ANGLE ATTACH LOWER III	30	30	30
14A57	T/C FEPS	40	16	
14A58	T/C SCAN	66	27	
15A00	STRUCTURAL HARNESSES		164	48038
15A01	WIRING HARN UPPR RNG POW		11	2480
15A02	WIRING HARN UPPR RNG SIG		80	25805
15A03	UPPER RING HARN TROUGH		20	1584
15A04	LOWER RING WIRING HARN		15	5366
15A05	PYRO DISTR HARNESS		11	203
15A06	PYRO INTERCOMM WIRE HARN		4	201
15A07	PLATFORM HEATER HARNESS		5	589
15A08	ACCELEROMETER HARNESS		1	4
15A09	PYRO HARNESS		3	1246
15A10	SIGNAL HARNESS		11	10536
15A11	SEPERATION COAX CONNECTR		1	8
15A12	SEPERATION CONNECTOR		1	8
15A13	SEPERATION CONNECTOR		1	8
15B00	SUBZONE HARNESSES (B)		28	15427
15B01	WIRING HARN SCIENCE POWR		6	3086
15B02	WIRING HARN SCIENCE PYRO		6	3086
15B03	WIRING HARN SCIENCE SIGN		6	3085
15B04	WIRING HARN SCAN ACTUATR		5	3085
15B05	PLAT ACCELEROMETER HARN		5	3085

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.3846 .2846 .1385 .0769 .0692 .0077 .023
.0154

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       15        0.0        0.5        0.0        0.0
   2    6    7
 T H V S A O F E N P
STAGE   1 SPACECRAFT ASSEMBLY AND CHECKOUT
TASK  1  DAY 001   6/17/68
 1INST UPPER RING HARN        510 2H1 1 2 511     I 1 400 2  4014  70
01A02 15A01X15A02X
 2SECURED IN HIGH BAY         930  H1          1  1T18 930
00000
TASK  2  DAY 002   6/18/68
 1REM FASTENERS RING HARN     195 2H1 112     1  1R 2  95 1 100
01A02 15A01X15A02X
 2INST CABLE TRAY TO HARN     195 2H1 1 2 5   2  1I 1  55 2  7014  70
01A02 15A01X15A02X15A03X
 3INST OCTAGON                 35 4H1 4 5         I 1  20 2  10 9   5
01A02X15A01 15A02 15A03
 4CLEAN OCTAGON STRUCTURE      45 2H1          2  3C 1   5 6  15 7  20 9   5
01A02X
 5INST BAY 2 SHEAR PLATE       15 1H1 1 3 5    2  4I 1   7 2   8
01A02X
 6SECURED IN HIGH BAY         955  H1          2  5T18 955
00000
TASK  3  DAY 003   6/19/68
 1CLEAN OCTAGON STRUCTURE      15 2H1          2  5C 1   5 6   5 7   5
01A02X
 2SPOTFACE RING CASES          50 2H1 7        3  1T 9  1012  40
01A02X
 3MOVE SUPERSTRUCT TO QAS      45 4H2 1 2 5    3  2R 1  30 2  15
00000
 4PYRO DIST HARN HIGH BAY      70 3H2          1  2T25  70
15A05X
 5PREP LOWER RING HARN         50 3H2             T25  50
15A04X
 6INST CABLE CLAMPSLR HARN     50 2H2 1 2 5    3  5I 1  25 2  1514  10
01A02X
 7INST SCAN PLAT TUBE          60 5H2 510      3  6I 1  40 2  20
01A02X03B04X03B05X03B000
 8INST PYRO DIST HARN          10 3H2          3  4I 1   5 2   214   3
01A02 15A05X
 9INST PYRO DIP ACCES HARN     95 2H2          3  8I 1  60 2  1514  20
01A02 15A01 15A02 15A03 05C05X
10ROUT PYRO INTERCONN HARN      7 2H2 1 5      3  9T 1   4 2   3
01A02 15A01 15A02 15A03 15A06X
11INST S/P SUPPORT HINGES      18 2H2 4 5      3 10I 1   6 2  12
01A05X01A06X01A07X01A08X01A02
12INST LOWER RING HARN         15 3H2 1 2 5    3 11I 1   5 2   514   5
01A02 15A04X
13WEIGH WIRE HARN UP RING      60 2H2 1 5         I 1  20 2  40
01A02 15A01X15A02
14TORQUE UPPER RING HARN       50 2H2 1 2 5    1  1T 1  20 2  2014  10
01A02 15A01X15A02
15INST PYRO INTERCONN HARN     50 2H2 1 5      3 10I 1  20 2  30
01A02 15A01 15A02 15A06X
16SECURED IN HIGH BAY         795  H2          3 15T18 795
00000
TASK  4  DAY 004   6/20/68
 1ROUTE HARN                   70 3H2 1 2 512 3 15I 1  25 2  2514  20
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01A02 15A01 15A02 15A06X
 2ROUTE RF CABLE                80 2H2 1 211    4  1I 1  40 2  40
01A02 15A04 15A11X
 3INST LOW HARN TO OCTAGON      20 3H2111213    4  2I 1   7 2   7 8   6
01A02
 4INSPECT +X +Y GAS SYSTEM      25 2H2              T 1   5 9  1010  10
13A   X
 5INST GRND LUGS TO WIRE        95 2H2111213    4  3I 1  40 2  35 8  20
01A02 15A04X
 6INST SCAN ACTUATOR ADAPT      15 4H2 1 2          I 1  12 2   3
15A02 15A04 03B04X03B05X
 7REM SUN SENSORS FROM QAS       5 1H2             T25   5
00000
 8INST SEC SS AND TORQUE        10 2H2 1 5      4  7I 1   5 2   5
13B03X13B04X13B05X13B06X
 9INST ACCEL ON OCTAGON          5 2H2 2 5          I 1   3 2   2
01A02 15A04 01B07X
10TORQUE ACCEL TO OCTAGON        7 1H2 2 5      4  9I 1   4 2   3
01A02 15A04 01B07X
11RETURN PRIM SS TO QAS.        18 1H2          4  7T26  18
00000
12INST DISCONN AND RF CONN       5 2H2 1 2 5        I 1   3 2   2
01A02 15A01 15A02 15A03 01B05X10C02X
13INST UP RING AND TROUGH       85 3H2 1 212        I 1  35 2  3014  20
01A02 15A03X15A01X15A02X
14SOLDER TERM TO SEC SS         60 3H2111213    4  8I 1  20 2  20 8  20
01A02 15A04 13B03X13B04X13B05X13B06X
15SECURE IN HIGH BAY           940  H2          4 14T18 940
00000
TASK  5  DAY 005   6/21/68
 1SECURE IN HIGH BAY            10  H2          4 15T18  10
00000
 2ROUTE UPPER RING HARN         20 3H2 1 3 5    4 13I 1  10 2   514   5
15A01X15A02X01A02
 3INST WIRING HARN              60 3H2 2 5      4  1I 1  20 2  2014  20
15A06X15A01 15A02 15A03 15A05 01A02
 4RELEASED PARTS FROM QAS       10 1H2             T25  10
00000
 5CHECKED SUN SENSOR GAP        80 2H210        4 14T 1  3010  50
13B03X13B04X13B05X13B06X01A02 15A04
 6INST TEMPLATE ROUTE HARN     150 2H2 2 5      5  3I 1  70 2  70 9  10
01A02
 7INST MICROSWITCHS            180 1H2 1 2      5  4I 1  90 2  90
01B03X01B04X
 8SECURE IN HIGH BAY           930  H2          5  7T18 930
00000
TASK  6  DAY 006   6/22/68
 1SECURE IN HIGH BAY          1440  H2          5  8T181440
00000
TASK  7  DAY 007   6/23/68
 1SECURE IN HIGH BAY          1440  H2          6  1T181440
00000
TASK  8  DAY 008   6/24/68
 1SECURE IN HIGH BAY            10  H2          7  1T18  10
00000
 2ROUTE HARN                   170 2H2 1 2 5    5  6I 1  60 2  6014  50
15A01X15A02X15A03 01A02
 3RELEASED PARTS FROM QAS       30 1H2             T25  30
00000
 4REM SCAN PLAT GAS VENT        22 2H2 2 6      8  3R 1   8 2   810   6
03B17X01A02 15A04
 5INST GAS VENT TUBE           116 2H2 1 2 510 8  4I 1  50 2  5010  18
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03B17X01A02 15A04
 6INST SCAN PLAT GAS VENT      10 2H2 2 5      8  5I 1   5 2   5
03B17X01A02 15A04
 7RELEASE PRIM SS FROM GAS     30 1H2             T25  30
00000
 8INST PRIM SS                 15 2H2 1 5      8  7I 1   8 2   7
01A03X01A04X01A02
 9INST SCAN PLAT STRUCT        60 4H2 2 6      8  6I 1  30 2  30
03B17X01A02 15A04
10RELEASED MOTOR MTS           45 1H2          8  3T25  45
00000
11INST MOTOR MTS               60 2H2 1 2 5    8 10I 1  30 2  30
01A15X01A17X01A02
12CLOTHING STUDY IN TENT       40 4T2          8 11T27  40
00000
13SECURE IN TENT              830  T2          8 12T17 830
00000
TASK  9  DAY 009   6/25/68
 1SECURE IN TENT               10  T2          8 13T17  10
00000
 2RELEASE SCAN PLAT HARN       15 1T2             T25  15
00000
 3RELEASE PLAT LATCH MECH      15 1T2             T25  15
00000
 4INST LATCH LOCKS ON SCAN     10 3T2 1 2 5    9  3I 1   5 2   5
01A19X01A20X01A02 15A04
 5INST INBD LATCH ASS          10 2T2 1 2 5    9  3I 1   5 2   5
01A19X01A02 15A04
 6INST OUTBD LATCH ASS          3 2T2 1 2 5    9  3I 1   1 2   2
01A20X01A19 01A02 15A04
 7SOLDER SENSOR WIRE            3 2T21113      9  3I 1   1 2   1 8   1
01A04X01A03X01A02
 8INST LATCH LOCKS              4 3T2 1 2      9  7I 1   2 2   2
01A19X01A20X01A02 15A04
 9SOLDER MICROSWITCHES         60 1T21113      5  7I 1  20 2  20 8  20
04B09X
10REM SUN GATE FROM GAS        20 1T2             T25  20
00000
11PRESS POSS LATCH MECH        60 2T2 2 5      9  8T 1  30 2  30
01A19X01A20X01A02 15A04
12MEASURE PEELABLE SHIM       120 2T2 2 51C    9 11T 1  50 2  5010  20
01A19X01A20X01A02 15A04
13SOLDER LEADS SUN GATE        10 1T21113      9 10I 1   3 2   3 8   4
13B07X01A02
14REM SHIMS TORQUE  B NUT      50 2T2 2 51112  9 12R 1  25 2  25
01A19X01A20X01A02 15A04
15INST GR LUG                   5 2T2 2 5      4  5I 1   3 2   2
15A04X
16PREP SCAN INSTALL            25 3T2 1 2      8  9T 2  10 1  1010   5
01A19X01A20
17INST INBD LATCH SCREWS       20 2T2 1 2 5    9 16I 1  10 2  10
01A19X01A20X01A02 15A04
18INST SCAN PLAT               10 4T2 2 5      9 16I 1   5 2   5
03A01X01A02 15A04 01A19 01A20
19INST COVER AND TORQUE        65 3T2 2 5      9 18I 1  35 2  30
03A01X01A02 15A04
20INST SCAN ELECTRONICS        65 3T2 1 2 5       I 1  30 2  30 9   5
05B01X05B02X05B10X05B11X05B12X05A01
21RELEASED CS 1                15 1T2             T25  15
00000
22POWER SOURCE FROM GAS        15 1T2             T25  15
00000
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23INST POWER DIST. MODS        20 2T2 1 5     9 21I 1   8 2   8 9   4
05B03X05B   05A01
24INST POWER SOURCE ON S/C     20 2T2 1 2 6   9 22I 1  10 2  10
12B01X12A01
25SECURE IN TENT              790  T2        9 24T17 790
00000
TASK 10  DAY 010   6/26/68
 1SECURE IN TENT               10  T2        9 25T17  10
00000
 2RESOLVE PROB CLOCK PLAT      20 2T2 5          T 2  20
03A01X15A04 01A02
 3GET BATT ASSY FROM QAS       10 1T2            T25  10
00000
 4RETURN BATT TO QAS           10 1T2            T26  10
00000
 5REM BEARING RETAIN CAPS      70 2T2 2 5     9 18R 2  30 1  40
03A01X15A04 01A02
 6SAND BEARING FLANGE EDGE     60 1T214      10  5T 1  10 4  25 7  15 6  10
03B04X01A02 15A04
 7INST BEARING RETAINERS       30 2T2 2 5    10  6I 1  15 2  15
03B04X01A02 15A04
 8REM BEARING RETAINERS        35 2T2 2 5    10  7R 2  15 1  20
03B04X01A02 15A04
 9TAKE TORQUE CHECK             5 1T2 5      10  8T 2   2 9   3
03B04X01A02 15A04
10REM RETAINERS                75 2T2 2 5    10  9R 2  25 1  50
03B04X01A02 15A04
11INST RETAINER SHIMS          15 1T2 2 5    10 10I 1   5 2  510   5
03B04X01A02 15A04
12INST RETAIN AND PLAT         90 3T2 2 5 61010 11I 1  30 2  30 9  1510  15
03A01X15A04 01A02 03A000
13INST SCAN PLAT HARN ASS       5 3T2 1 2 5   9  2I 1   2 2  214   1
15B01X15B02X15B03X15B04X03A01X01A02 15A04
14INST INBD LATCH PRESS LN     25 2T2 5 612   9  5I 1  15 2  10
01B01X03A01 01A02 15A04
15ROUTE SCAN PLAT HARN         10 3T2 1 2 5  10 13I 1   4 2  314   3
15B01X15B02X15B03X15B04X03A01 01A02 15A04
16INST INBD LATCH MICSWCTH     15 1T2 1 5     9  9I 1   8 2   7
01B02X01B01 03A01 15A04 01A02
17INST HARN ON CASE 3          30 2T2 1 2 5   9 23I 1  15 2  1014   5
07C01X07A01
18SECURE IN TENT              925  T2       10 17T17 925
00000
TASK 11  DAY 011   6/27/68
 1CK TORQUE ON SCAN BRACK     120 1T2 2 5    10 15T1   60 2  60
01A02 03A01 03B04 15A04
 2INST BENDIX FASTENERS        15 2T2 1 5    11  1I 1   8 2   7
15A03X01A02 15A01 15A02
 3INST SCAN TUBE CABL SUPP     15 2T2 1 2 5       I 1   8 2   7
15B01 15B02 15B03 15B04 03A01 15A04
 4SECURE SCAN HARN TO TRAY     60 3T2        11  2I 1  35 2   5 9   511   814
15B04X15A02X15A03X15A01 15B01 15B02 15B03 01A02 03A01
 5TORQUE MICROSWITCHES        100 1T2 2 5    10 16I 1  35 2  3010  35
04B09X01A05 01A06 01A07 01A08 01A02
 6SEC HAND FRAME TO CASE I     10 2T2 2          T 1   5 2   5
05A01X
 7REM PYRO MODULES             20 2T2 1 5    11  6R 2  10 1  10
05B01X05B02X05A01
 8CLOSE CASE EA1              110 1T2 1 2 5  11  7I 1  50 2  60
05A01X05B03 05B10 05B11 05B12
 9ROUTE AND SEC SCAN HARN      20 3T2 1 2 5  11  4I 1  10 2   3 9   214   5
15B01X15B02X15B03X15B04X01A02 03A01 15A04
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10INST CC+S AT CONT HARNS      20 2T2 1 5    10 17I 1  10 2   514   5
07C01X07C02X07A01
11INST HARN SCREWS ON PLAT     20 2T2 1 5    11  4I 1  10 2  10
15B01 15B02 15B03 15B04 03A01
12SECURE IN TENT              930  T2        11 11T17 930
00000
TASK 12  DAY 012   6/28/68
 1SECURE IN TENT               10  T2        11 12T17  10
00000
 2REL BATT FOR EXT MOUNT       20 1T2        10  4T25  20
00000
 3REL SIT FROM QAS             15 1T2             T25  15
00000
 4REL PAS FROM QAS             15 1T2             T25  15
00000
 5INST SIT TO BATT BRACKET     10 1T2 1 2    12  3I 1   5 2   5
01B05X12A01
 6INST PAS ON S/C              10 1T2 2 5    12  4I 1   5 2   5
01B06X
 7INST HARN FAST TO PLAT       40 2T2 1 2 5   9 18I 1  20 2  15 9   5
01B01X01A02 15A04
 8TEST SUBSYS M69-204.02       90  T2        12  7T27  90
00000
 9SEC AND TORQUE 3 HARNS      100 3T2 1 2 5  10 17I 1  40 2  30 9  1014  20
07C01X07C02X07A01
10INST CC+S MODULES            20 2T2 1 2 5  12  9I 1  10 2  10
07B01X07B02X07B03X07B04X07C01 07C02 07A01
11REL AT CONT MOD FROM QAS     15 1T2             T25  15
00000
12REL SUP SUBCHAS FROM QAS     15 1T2             T25  15
00000
13INST AT CONT MOD              2 2T2 1 2 5  12 11I 1   1 2   1
07B05X07B   07A01
14INST SUP SUBCHAS              3 2T2 1 2 5  12 12I 1   2 2   1
07A05X07B   07A01
15INST BATT                    15 2T2 2      12  2I 1   8 2   7
12B06X12A01
16TORQUE MOD EARS              10 1T2 5      12 10I 2  10
07B  X07A01
17REM BATT FROM S/C             5 2T2 2      12 15R 2   2 1   3
12B06X12A01
18REM PAS  FROM S/C             5 1T2 1 2    12  4R 2   2 1   3
01B06X
19REM CASE EA 3                 5 2H2 1 2    12 16R 1   2 2   226   1
00000
20SECURE IN TENT             1035  T2        12 19T171035
00000
TASK 13  DAY 013   6/29/68
 1SECURE IN TENT             1440  T2        12 20T171440
00000
TASK 14  DAY 014   6/30/68
 1SECURE IN TENT             1440  T2        13  1T171440
00000
TASK 15  DAY 015   7/01/68
 1SECURE IN TENT               10  T2        14  1T17  10
00000
 2REL BATT FROM QAS            20 1T2        12 17T25  20
00000
 3REL CASE EA 3                20 1T2        12 19T25  20
00000
 4INST CASE EA 3               10 2T2 2 5    15  3I 1   5 2   5
07A01X07B
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 5INST BATT                    30 2T2 2       15  2I 1  15 2  15
12B06X12A01
 6TEST SUBSYS M69-204.02      480  T2         15  5T27 480
00000
 7INST NUTS                    20 1T2 1 2          I 1  10 2  10
11A01X
 8TORQUE CONN BRACK            30 1T2 1 2 5   15  7I 1  15 2  15
11A01X
 9REM SCREWS FROM BRACK        38 2T2 1 2     15  8R 2  20 1  18
11A01X
10INST SCREWS ON BRACK         38 2T2 1 2     15  9I 1  20 2  18
11A01X
11INST CONN SCREWS             59 1T2 1 2     15  8I 1  30 2  29
11A01X
12TORQUE CONN ROUT HARN       115 2T2 1 2 5   15 11I 1  50 2  40 9  1014  15
11C01X11C02X11A01
13WORK ON CASE VII HARN        60 2T2 1 2 5   15 10I 1  20 2  20 9  1014  10
11C01X11C02X11A01
14INST CLAMP ON HARN            5 1T2 1 2 5   15 13I 1   3 2   2
11C01X11C02X11A01
15SECURE IN TENT              475  T2         15 14T17 475
00000
16INSP FTS MODS IN QAS         30 1T2              T 9  30
08B  X
TASK 16  DAY 016   7/02/68
 1REL FTS MODS QAS             30 1T2         15 16T25  30
00000
 2INSP FTS MODS                90 1T2         16  1T 1  45 9  45
08B  X
 3INST FTS MODS IN CASE 4      60 2T2 1 2 5   16  2I 1  30 2  30
08B00W08A01
 4REM SCREWS FROM CHAS EA4     30 2T2 1       16  3I 1  15 2  15
08A01X
 5INST FLGHT SCRW ON BRACK     75 1T2 1 2 5   15 12I 1  40 2  35
08A01X08B
 6TEST TORQUE ON SCAN PLAT     15 1T2 5       10  9T 2   710   8
03A01X01A02 15A04
 7READJUST MICROSWITCH         15 1T2 1 2     16  7T 1   8 2   7
01B02X03A01 01A02 15A04
 8TORQUE RECTANG CONNS         45 2T2 1 5     15 11I 1   5 2  1511  1514  10
08C02X08B   08A01
 9INST CASE EA4 INC CMD MD     86 2T2 1 2 5   16  4I 1  43 2  43
08A01X08B00W08C02
10TEST SUBSYS INTEGRATION      74  T2         16  9T27  74
00000
11TURN OFF POWER               50  T2         16 10T27  50
00000
12REL RAD ASSY TO TENT         50 1T2              T26  50
00000
13REM SCREWS ON MOD EARS        5 1T2 1 5     12 16R 2   2 1   3
10B01X
14INST SCREWS ON MOD EARS       5 1T2 1 5     16 13I 1   3 2   2
10B01X
15CARRY CASE TO PIT AREA        5 2P2         16 12T28   5
00000
16SECURE IN TENT              805  T2         16 15T17 805
00000
TASK 17  DAY 017   7/03/68
 1SECURE IN TENT               30  T2         18 16T17  30
00000
 2INSP IRR ASSY                16 1T2              T 1   8 9   8
03B06X
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 3TURN POWER ON                  14  T2          16 11T27  14
00000
 4REL CANOPUS SEN FROM OAS       10 1T2               T25  10
00000
 5REL FEPS FROM OAS              50 1T2               T25  50
00000
 6REL MARS GATE FROM OAS         15 1T2               T25  15
00000
 7INST FEPS ON S/C                2 2T2 5        17  5I 1   1 2   1
03B03X03A01 01A02 15A04
 8INST MARS GATE                 73 2T2 1 2 5   17  6I 1  37 2  36
03B01X03B02X03B03 03A01 01A02 15A04
 9IRR PRESS PREP                100 3T2 2 6           T 1  70 2  30
03B15X03B06X03B01 03B02 03B03 03A01 15A04 01A02
10INST PROTO CANOPUS SEN         15 2T2 1 5     17  4I 1   8 2   7
13B08X01A02
11PREP TO INST GYROS             55 1T2 1 2           T 1  28 2  27
07B06X07B   07A01 07C01 07C02
12INST GYROS ON S/C             120 2T2 1 2     17 11I 1  60 2  60
07B06X07B   07A01 07C01 07C02
13REL BATT TO GAS                18 1T2         15  5R26  18
00000
14TURN POWER OFF                 20  T2         17  3T27  20
00000
15SECURE IN TENT                902  T2         17 14T17 902
00000
TASK 18  DAY 018   7/04/68
 1SECURE IN TENT                1440  T2         17 15T171440
00000
TASK 19  DAY 019   7/05/68
 1SECURE IN TENT                1440  T2         18  1T171440
00000
TASK 20  DAY 020   7/06/68
 1SECURE IN TENT                1440  T2         19  1T171440
00000
TASK 21  DAY 021   7/07/68
 1SECURE IN TENT                1440  T2         20  1T171440
00000
TASK 22  DAY 022   7/08/68
 1SECURE IN TENT                 35  T2         21  1T17  35
00000
 2REL PYRO MODS                  10 1T2         11  8T25  10
00000
 3REL BATT FROM OAS               5 1T2         17 13T25   5
00000
 4INST PYRO MODS                 20 2T2 1 2 5   22  2T 1  10 2  10
05B01X05B02X05A01 05B03 05B10 05B11 05B12
 5TORQUE CASE SCREWS              5 1T2 5       22  4I 2   5
05A01X
 6INST BATT                       3 2T2 1 2     22  3I 1   2 2   1
12B06X12A01
 7REL CLOCK AXIS                  1 1T2               T25   1
00000
 8REL CONE AXIS                   1 1T2               T25   1
00000
 9INST CLOCK AXIS                20 2T2 1 2 5   21  7I 1  10 2  10
03B04X03A01 03B01 03B02 03B03 03B06 01A02 15A04
10INST CONE AXIS                 20 2T2 1 2 5   21  8I 1  10 2  10
03B05X03A01 03B01 03B02 03B03 03B06 01A02 15A04
11MATE INT CONN                  45 2T2 6             I 1  15 2  1511  15
15B01X15B02X15B03X03A01 03B01 03B02 03B03 03B06 03B15 01A02 15A04
12INST PS TO HOOD                15 1T2 1 5      9  7I 1   7 2   8
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13BC1X
13INST PS TO HOOD              15 1T2 1 5     9  7I 1   7 2   8
13B01X
14INST SUN SENSOR TO HOOD      30 2T2 1 5     4 14I 1  15 2  15
13B03X13B04X13B05X13B06X15A04
15INST CANOPUS SEN TO HOOD     30 2T2 1 5    17 10I 1  15 2  15
13B08X13B10X
16MATE GAS SYSTEM              85 3T2 1 2 3       I 1  45 2  40
13A00W
17REL PROP SYSTEM              10 2T2             T25  10
00000
18INST PROP SYSTEM TO S/C      74 4T212 3 5  22 17I 1  40 2  24 9   511   5
06B00WC6C00W01A02
19TURN POWER ON                56  T2        17 14T27  56
00000
20TURN POWER OFF                5  T2        22 19T27   5
00000
21TURN POWER ON                30  T2        22 20T27  30
00000
22TURN POWER OFF               30  T2        22 21T27  30
00000
23REM CONNECTOR                 1 1T2        22  6R11   1
12B06X
24TURN POWER ON                 2  T2        22 22T27   2
00000
25TURNPOWER OFF                10  T2        22 24T27  10
00000
26SEC IN TENT                 882  T2        22 25T17 882
00000
TASK 23  DAY 023   7/09/68
 1PREP TO REMOVE CASE 8        30 1T2 1 5    22 23T 1  15 2  15
12A01X
 2REM MODS FROM CASE 8         70 2T2 1 2 5  23  1R 1  35 2  35
12B04X12B01 12A01
 3REL PIN PULL HARNS           35 2T2             T25  35
00000
 4LOOSEN CABLE CLAMPS          15 2T2 1 2 5  23  2T 1   7 2   8
12C01X12B01X12B04X12A01
 5ROUT HARN                   155 2T2 1 2 5  23  4T 1  70 2  7011  15
D7CC2XD7CC1 C7B   D7A01
 6INSP PWR CONT SUBASSY        25 2T2 1 2 5       T 1   5 2   5 9   525   326
12B04X12CC1 12BC1 12A01
 7REM GYRO CONT FROM S/C       55 2T2 1 5    17 12R 2  30 1  25
D7BC6XC7B   C7C   D7A01 D7A05
 8INST GYRO ON S/C NFU         45 2T2 1 2 5  23  7I 1  25 2  20
D7BC6XC7B   C7C   D7A01 D7A05
 9REL CHAS SCI EQUIP            5 1T2             T 5   325   2
00000
10INST SCI EQUIP MODS          25 2T2 1 2 5       T 1  10 2  10 9   311   2
11BC1X11BC2X11BC3X11BC4X11CC1 11CC2 11A01
11INST PWR CONT SUBASSY        30 2T2 1 2    23  6I 1  15 2  15
12B04X12BC1 12CC1 12A01
12TURN POWER ON                35  T2        23 11T27  35
00000
13TURN POWER OFF               15  T2        23 12T27  15
00000
14COMP PYRO SUBSYS TEST        20  T2        11  8T27  20
00000
15SUB-SYS TEST 4TT CONT        60  T2             27  60
00000
16SECURE IN TENT              820  T2        23 15T17 820
00000
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TASK 24  DAY 024   7/10/68
 1SECURE IN TENT                15  T2          23 16T17  15
00000
 2REM BAT MT INST EA 8          15 2T2 1 2 5   22  6X 2   7 1   8
12B06X12A01X12C01 12B01 12B04
 3INST CASE EA 7                10 2T2 1 2 5       I 1   4 2   4 5   2
11A01X11B01 11B02 11B03 11B04 11C01 11C02
 4INST BATT MOUNT                5 2T2 1 2   24  2I 1   3 2   2
12B06X12A01
 5REL IRR FROM GAS              25 1T2          17  2T25  25
00000
 6INST IRR ON S/C               63 3T2 1 2 5   24  5I 1  27 2  26 9  10
03B06X03B01 03B02 03B03 03A01 15A04 01A02
 7TURN ON POWER                  5  T2          24  6T27   5
00000
 8TURN ON GYRO                   1  T2          23  8T27   1
00000
 9TURN OFF GYRO                  1  T2          24  8T27   1
00000
10TURN ON GYRO                  50  T2          24  9T27  50
00000
11TEST A/C GAS SYS ASSY +X      10 1T2          22 16T27  10
00000
12TEST A/C GAS SYS ASSY -X      20 1T2          22 16T27  20
00000
13PRESS1A/  GAS SYS +X          48 1T2          24 11T27  48
00000
14TURN POWER OFF                22  T2          24  7T27  22
00000
15COMP PRESS A/C GAS SYS        50  T2          24 13T27  50
00000
16REM PSS HOOD CABLE             3 1T2 1 5     22 14R 2   4 1   4
13B01X01A02
17INST PSS CABLE TO S/N 09       7  T2 1 5     24 16I 1   3 2   4
13B01X01A02
18TURN ON POWER                 18  T2          24 17T27  18
00000
19RUNNING DOWN GYROS             3  T2          24 10T27   3
00000
20GYROS DOWN                    14  T2          24 19T27  14
00000
21PRESS A/C GAS SYS -X          60  T2          24 12T27  60
00000
22COMP PRESS A/C GAS SYS        75  T2          24 21T27  75
00000
23RUNNING DOWN GYROS             5  T2               T27   5
00000
24GYROS DOWN                     5  T2          24 23T27   5
00000
25TURN OFF POWER                 5  T2          24 24T27   5
00000
26SECURE IN TENT               900  T2          24 25T17 900
00000
TASK 25  DAY 025   7/11/68
 1SECURE IN TENT                10  T2          24 26T17  10
00000
 2PERFORM PYRO CHECKS           55  T2          23 14T27  55
00000
 3REM PSS HOOD                   2 1T2 1 5     24 17R 2   1 1   1
13B01X
 4INST PSS HOOD S/N 09           3 1T2 1 5     25  3I 1   2 2   1
13B01X
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 5CONN SS TERMINATIONS          15 1T2 1 2     4 14T 1   8 2   7
13B05X13B06X15A04
 6TORQUE CONNECTORS             15 2T2 1 2 5       I 1   5 2   511   5
C5B01XC5B02XC5B10 C5B11 C5B12 C5A01
 7INST LIGHT SOURCE ON IRR      36 1T2 1 6    24  6I 1  20 2  16
C3B06XC3A01 C3B01 C3B02 C3B03 C3B15 15A04 C1A02
 8TURN ON POWER                 34  T2              T27  34
00000
 9POWER OFF RUN DOWN GYROS     110  T2        25  8T27 110
00000
10TURN ON POWER                 20  T2        25  9T27  20
00000
11REP SQUIB SIM FOR TEST        32  T2             T27  32
00000
12REM UV SPEC TO S/C 69-2        3  T2             T27   3
00000
13TURN OFF POWER                 3  T2        25 10T27   3
00000
14REM IRR STIM                  57  T2 6       25  7R 2  27 1  30
C3B06XC3A01 C3B01 C3B02 C3B03 15A04 C1A02
15TORQUE CONNECTORS              5  T2 1 5     25  6I 1   211   1 2   2
C5B01XC5B02XC5B03 C5B10 C5B11 C5B12 C5A01
16SECURE IN TENT              1040  T2        25 15T171040
00000
TASK 26  DAY 026   7/12/68
 1SECURE IN TENT                80  T2        25 16T17  80
00000
 2TURN POWER ON                 85  T2        25 13T27  85
00000
 3TURN POWER OFF                43  T2        26  2T27  43
00000
 4MATE IRR CONNS                 2 1T2 5      25  7R11   2
03B06X
 5TURN POWER ON                 58  T2        26  3T27  58
00000
 6TURN POWER OFF                 1  T2        26  5T27   1
00000
 7RELEASE CASE EA 5             71 2T2             T25  71
00000
 8INST CASE 5                   45 3T2 1 2 5  26  7I 1  20 2  15 9  10
09B00W09A01X09C01X
 9TURN POWER ON                128  T2        26  6T27 128
00000
10TURN POWER OFF                 2  T2        26  9T27   2
00000
11REM BATT                       5 2T2 1 2    24   R 1   2 2   3
12B06X12A01
12SECURE IN TENT               920  T2        26 11T17 920
00000
TASK 27  DAY 027   7/13/68
 1SECURE IN TENT               1440  T2        26 12T171440
00000
TASK 28  DAY 028   7/14/68
 1SECURE IN TENT               1440  T2        27  1T171440
00000
TASK 29  DAY 029   7/15/68
 1SECURE IN TENT                15  T2        28  1T17  15
00000
 2INST BATT                     15 2T2 1 2    26 11I 1   8 2   7
12B06X12A01
 3INTERFACE DSS                 35  T2        29  2T27  35
00000
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 4TURN POWER ON                  40  T2          26 10T27  40
00000
 5PERFORM PYRO CK               155  T2          25  2T27 155
00000
 6TURN POWER OFF                 47  T2          29  4T27  47
00000
 7REM GYRO CONTROL               13 2T2 1 2 5  23  8R 1   7 2   6
07B06X07B   07C01 07C02 07A05 07A01
 8INST GYRO CONTROL              15  T2 1 2 5  26  5I 1   8 2   7
07B06X07B   07C01 07C02 07A05 07A01
 9REL MONO TEL FROM QAS          5 1T2             T25   5
00000
10REM PYRO MODS                  32 2T2 1 2 5  25  2R 1  16 2  16
05B01X05B02X05B03 05B10 05B11 05B12 05A01
11TURN POWER ON                   3  T2          29  6T27   3
00000
12TURN POWER OFF                 40  T2          29 11T27  40
00000
13REM ANALOG MOD                 40 2T2 1 2 5  26  8I 1  20 2  20
09B02X09B   09A01 09C01
14REM SQUIB SIMULATOR            20 2T2 1 6    25 11R 1  10 2   511   5
09A01 09B   09C01
15INST SQUIB SIMULATOR           20 2T2 1 6    29 14I 1  10 2   511   5
09A01 09B   09C01
16CLOSE CASE                     15 1T2 1 2 5  29 10T 1   8 2   7
09A01X09B   09C01
17TIED HARN                       5 2T212           T 1   2 2   214   1
15B05X15B   03A01 03B01 03B02 03B03 03B06 15A04 01A02
18REL FEPS HOOD                   5  T2             T25   5
00000
19INST FEPS HOOD                 10 1T2 1 2    29 18I 1   5 2   5
03B03X03A01 03B01 03B02 03B04 03B05 03B06 15A04 01A02
20SEC IN TENT                   910  T2          29 19T17 910
00000
TASK 30  DAY 030   7/16/68
 1SEC IN TENT                    25  T2          29 20T17  25
00000
 2INST IRS                       52 4T2 1 2 5 629  9I 1  20 2  20 9  12
03B15X03B17X03A01 03B01 03B02 03B03 03B04 03B05 03B06 03B16 15A04 01A02
 3REM IRS                        13 4T2 1 2 5 630  2R 1   5 2   4 7   4
03B15X03B17X03A01 03B01 03B02 03B03 03B04 03B05 03B06 03B16 15A04 01A02
 4INST IRS                       15 4T2 1 2 5 630  3I 1   6 2   6 9   3
03B15X03B17X03A01 03B01 03B02 03B03 03B04 03B05 03B06 03B16 15A04 01A02
 5TURN POWER ON                  42  T2          29 12T27  42
00000
 6TURN POWER OFF                 42  T2          30  5T27  42
00000
 7TEST SCAN INTERFACE            24  T2          22  17Z7  24
00000
 8TURN POWER ON                 148  T2          30  6T27 148
00000
 9TURN POWER OFF                  7  T2          30  8T27   7
00000
10TORQUE 080 NUTS                 5 1T2           30  9I 1   3 2   2
13ADOW
11SEC IN TENT                   1067  T2          30 10T171067
00000
TASK 31  DAY 031   7/17/68
 1SECURE IN TENT                 56  T2          30 11T17  56
00000
 2TURN POWER ON                 104  T2              27 104
00000
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 3TURN POWER OFF                20  T2          31  2T27  20
00000
 4REL PYRO CONT FROM GAS        20 1T2               T25  20
00000
 5INST PYRO MODS                20 2T2 1 2 5   31  3I 1  10 2  10
05B01X05B02X05A01
 6INST SCREWS                   85 2T2 1 2 5   31  4I 1  45 2  40
05A01X05B01 05B02
 7TURN ON POWER AND GYROS       10  T2          31  3T27  10
00000
 8RUN DOWN GYROS                35  T2          31  7T27  35
00000
 9TURN OFF POWER                 3  T2          31  7T27   3
00000
10TURN ON POWER                 12  T2          31  9T27  12
00000
11REM MONOCHROMETER TELE        25 1T2 1 5     30  4R 1  10 2  1026   5
03B16X03A01 03B01 03B02 03B03 03B04 03B05 03B06 03B15 03B17 01A02 15A04
12INST IRR LIGHT HOOD          134 1T2 1 2     31 12I 1 100 2  34
03B06X03B16 03A01 03B01 03B02 03B03 03B04 03B05 03B15 03B17 01A02 15A04
13TURN OFF POWER               256  T2          31 10T27 255 1   1
00000
14REWORK RING HARN              30 2T2 1 212   29 17I 1  10 2  1014  10
15A04X03A01 03B01 03B02 03B03 03B04 03B05 03B06 03B15 03B17 01A02
15SOLDER GROUND LUGS            10 2T2111213   31 14I 1   4 2   4 8   2
15B04X15B   03A01 03B01 03B02 03B03 03B05 03B06 01A02
16SPLICE SCAN XDUCER            20 2T2 11112   30  7I 1   5 2   514  10
03B21X03B   03A01 15A04 01A02
17INST SWTCHS ON SCAN PLAT      45 3T2 1 2 5   31 16I 1  15 2  15 9   511  10
05B10X05B11X05B12X05B01 05B02 05B03 05A01 03B   03A01 03B01 03B02 01A20 01A21
18RELOCATE AT CONT HARN         10 2T212       23  5I 1   3 2   314   4
07C01X07C02S07C03X07B   07A05 07A01
19HARDMOUNT GROUND LUGS         45 3T2 1 2 51331 15I 1  15 2  15 8  10 9   5
15B04X15B   03B   03A01 15A04 01A02
20REPLACE CENT SCAN PLAT         5 2T2 1 2 4   31 17I 1   3 2   2
03A01X03B   01A02 15A04
21SECURE IN TENT               495  T2          31 20T17 495
00000
TASK 32  DAY 032   7/18/68
 1SECURE IN TENT                 5  T2          31 21T17   5
00000
 2REL UV SPECT FROM GAS         12 1T2               T25  12
00000
 3REL MONOCHROM TELE            13 1T2          31 11T25  13
00000
 4INST OV SPEC                  10 3T2 1 2 5   32  2I 1   4 2   3 9   3
03B08X03B   03A01 15A04 01A02
 5INSP MONOCHROM TELE           20 2T2          32  3T 1  10 9  10
03B08OC3B   03A01 15A04 01A02
 6INST MONOCHROM TELE           10 3T2 1 2 5   32  5I 1   5 2   5
03B08X03B   03A01 15A04 01A02
 7PURGE MONOCHROM TELE          53 3T2 1 2 6   32  6I 1  20 2  2010  13
03B16X03B15X03B   03A01 15A04 01A02
 8TURN ON POWER AND GYROS        7  T2          31 13T27   7
00000
 9RUNNING DOWN GYROS            40  T2          32  8T27  40
00000
10REM MONOCH TELE COVER         10 1T2          32  7R 1  10
03B16X03B   03A01
11INST MONOCH TELE COVER         5 1T2          32 10I 1   5
03B16X03B   03A01
12REM MONOCH TELE COVER          5 1T2          32 11R 1   5
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03B16X03B   03A01
13INST HOOD ON UV SPECT        15 2T2 1 2    32  4I 1   8 2   7
03B08X03B   03A01
14RET CANOPUS SEN TO GAS       46 1T2             T26  26 9  20
13B08X13B10X
15PWR OFF IRR IRS CONN         49 2T2        32  8T 1  1011  1027  29
03B06X03B16X03B   03A02
16REM CANOPUS SENSOR            3 2T2 1 2    32 14R 1   2 2   1
13B08X13B10X
17INST CANOPUS SENSOR           2 2T2 1 2    32 16I 1   1 2   1
13B08X13B10X
18INST TOP PLATE CANOPUS        5 2T2 1 2    32 17I 1   3 2   2
13B08X13B10X
19REM ATR DTR REC ELECT         5 1T2 1 2 5      R 1   3 2   2
09B06X09B   09CC1 09A01
20RET ATR DTR MOD TO GAS       26 1T2        32 19I26  26
00000
21TURN ON POWER AND GYROS      70  T2        32 15T27  70
00000
22RUN DOWN GYROS               14  T2        32 21T27  14
00000
23RUN UP GYROS                 15  T2        32 22T27  15
00000
24RUN DOWN GYROS               81  T2        32 23T27  81
00000
25TURN OFF POWER                9  T2        32 21T27   9
00000
26PURGE SOLAR PANEL            90  T2             T27  90
00000
27SEC SOLAR PANEL FROM OSE      5  T2        32 26T27   5
00000
28SECURE IN TENT               815  T2       32 27T17 815
00000
TASK 33  DAY 033   7/19/68
 1SEC IN TENT                  45  T2        32 28T17  45
00000
 2SEC SIT FROM GAS              5 1T2             T25   5
00000
 3TURN POWER AND GYROS ON       5  T2        32 25T27   5
00000
 4INST SIT ON EXT MOUNT        55 1T2 1 2    33  2I 1  30 2  25
01B05X01A02
 5REM UV SPECT STIM            55 1T2 1 2    32 13R 1  30 2  25
03B08X03B   03A01
 6PURGE GAS SYSTEM             15  T2             T27  15
00000
 7INST SHIP COV ON UV SPEC     60  T2 1 2    33  5I 1  20 2  20 9  20
03B08X
 8TURN OFF POWER               38  T2        33  3T27  38
00000
 9RUN DOWN GYROS               38  T2        33  3T27  38
00000
10TURN POWER ON               104  T2        33  8T27 104
00000
11TURN OFF POWER               12  T2        33 10T27  12
00000
12TURN ON POWER                12  T2        33 11T27  12
00000
13RUN UP GYROS                 12  T2        33  9T27  12
00000
14TURN OFF POWER                1  T2        33 12T27   1
00000
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15RUN DOWN GYROS                 1  T2          33 13T27   1
00000
16RET IR GAS ASSY TO DIV         7 1T2          30  4T26   7
00000
17REM INVERTER MOD              25 1T2 1 2 5   31  6R 2  13 1  12
05B06X05B   05A01
18REM BATT AND SIT              10 2T2 1 2 6   29  2R 2   5 1   5
12B06X01B05X12A01
19SECURE IN TENT               940  T2          33 18T17 940
00000
TASK 34  DAY 034   7/20/68
 1SECURE IN TENT               1440  T2         33 19T171440

TASK 35  DAY 035   7/21/68
 1SECURE IN TENT               1440  T2         34  1T171440

TASK 36  DAY 036   7/22/68
 1SECURE IN TENT                 15  T2         36  1T17  15
00000
 2INST BATT                      65 2T2 1 2 6   33 18I 1  35 2  30
12B06X12A01
 3REM CASE 4 FROM S/C            60 2T2 1 2 5   16  5R 1  10 2  10 5   518   527
08B00W08A01X08C00W
 4INST INVERTER MODS             74 1T2 1 2 5   33 17I 1  37 2  37
05B06X05B   05A01
 5TURN ON POWER                   3  T2          33 14T27   3
00000
 6TURN OFF POWER                136  T2          36  5T27 136
00000
 7TURN ON POWER                  52  T2          36  6T27  52
00000
 8TURN OFF POWER                 75  T2          36  7T27  75
00000
 9SEC CASE 4 FROM OSE            25 2T2          36  3T25  25
00000
10INST CASE 4 ON S/C             35 2T2 1 2 5   36  9T 1  20 2  15

11SECURE IN TENT                900  T2          36 10T17 900
00000
TASK 37  DAY 037   7/23/68
 1SECURE IN TENT                 30  T2          36 11T17  30
00000
 2CABLE S/C FOR TESTS            75  T2          36  9T 1  3827  37

 3TURN ON POWER                   5  T2          36  8T27   5
00000
 4TURN OFF POWER                 25  T2          37  1T27  25
00000
 5TURN ON POWER                  35  T2          37  4T27  35
00000
 6REC CANOPUS SEN IN QAS         22  T2          32 17T26  22
00000
 7TURN OFF POWER                115  T2          37  5T27 115
00000
 8TURN ON POWER                  42  T2          37  7T27  42
00000
 9TURN OFF POWER                 31  T2          37  8T27  31
00000
10TURN ON POWER                  15  T2          37  9T27  15
00000
11TURN OFF POWER                  9  T2          37 10T27   9
00000
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12TURN ON POWER                 24  T2          37 11T27  24
00000
13TURN OFF POWER                82  T2          37 12T27  82
00000
14REM SCAN PLAT HOOD            15 2T2 1 2 5    29 17R 1   5 2   526   5
03A02X03A01 03B
15SECURE IN TENT               915  T2          37 14T17 915
00000
TASK 38  DAY 038   7/24/69
 1SECURE IN TENT                57  T2          38 15T17  57
00000
 2TURN ON POWER                 19  T2          37 13T27  19
00000
 3TURN OFF POWER                 7  T2          38  2T27   7
00000
 4TURN ON POWER                 24  T2          38  3T27  24
00000
 5TURN OFF POWER                13  T2          38  4T27  13
00000
 6TURN ON POWER                 15  T2          38  5T27  15
00000
 7TURN OFF POWER                25  T2          38  6T27  25
00000
 8TURN ON POWER                 25  T2          38  7T27  25
00000
14TURN OFF POWER                15  T2          38 13T27  15
00000
15REM BATT                       5 2T2 1 2     36  2R 2   3 1   2
12B06X12A01
16REM CASE 7                    10 2T2 1 2 5   24  3R 2   4 1   414   2
11B05X11B06X11B07X11B08X11C   11A01 11B01 11B02 11B03 11B04
17INST BATT                     15 2T2 1 2     38 15I 1   8 2   7
12B06X12A01
18REM LOGIC MOD FROM CASE7      10 1T2 1 2     38 16R 2   5 1   5
11B02X11B   11C   11A01
19INST TV ELECT HARN             5 2T2 1 212   38 18I 1   2 2   214   1
11C03X11A01X11C01 11C02 11B
20TURN ON POWER                 35  T2          38 14T27  35
00000
21TURN OFF POWER                35  T2          38 20T27  35
00000
22INST LOGIC MOD                 5  T2 1 2     38 18I 1   3 2   2
11B02X11B   11C   11A01
23TORQ TV MODS                   5 1T2 5       38 19I 2   5
11B08X11B07X11B   11C   11A01
24TORQ TV MODS                   7 1T2 5       38 19I 2   7
11B05X11B   11C   11A01
25TORQ TV DATA CONVERTER        38 1T2 5       38 19I 2  38
11B06X11B   11C   11A01
26REM BATT                      10 2T2 1 2     38 17R 2   5 1   5
12B06X12A01
27REL DATA PROC SUBASSY          5  T2              T25   5
00000
28REM SUBASSYS                  20 2T2 1 2     36 10R 2  10 1   511   5
08B10X08B11X08B18X08B   08C02 08A01
29SEC CASE 7 HARN                7 2T2 1 2 51238 16T 1   2 2   214   3
11C03X11C01 11C02 11B   11A01
30INST CASE 4 SUBASSYS           3 2T2 1 2     38 28I 1   1 2   111   1
08B10X08B11X08B18X08B02X08B   08C02 08A01
31INST CASE 7                   20 2T2 1 2     38 29I 1  10 2  10
11A01X11B   11C
32MATE TV HARN                   5 2T2 6       38 19I 1   2 2   2 9   1
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11C03X15A01 15A02 15A03
33REM CASE 7                    15 2T2 1 2    38 31R 2   8 1   7
11A01X11B   11C
34RETRY TO INST CABLE TRAY      65 2T2 1 212  38 32I 1  20 2  20 9   514  20
11C03X11C02 11C01 11B   11A01
35INST CASE 7                   40 2T2 1 2    38 33I 1  20 2  20
11A01X11B   11C
36MATE CONNECTORS              275  T2        38 34I 1 125 9  2511 125
11C03X15B01X15B02X15B03X15B04X15B05X15A01X15A02X15A03X11C01X11A01 11B   11C02
37MOUNT LOGIC MOD FOR TEST      5 1T2 1 2    38 22I 1   3 2   2
11B02X11B   11C   11A01
38SECURE IN TENT               600  T2        38 37T17 600
00000
TASK 39  DAY 039   7/25/68
 1SECURE IN TENT                80  T2        38 38T17  80
00000
 2TURN POWER ON                  1  T2        38 21T27   1
00000
 3REM SP SUPP DEPLOY BAY        89 2T2 1 2         R 1  45 2  44
C1A09XC1A10XC1A11XC1A12XC1AC2
 4TURN POWER OFF                25  T2        39  2T27  25
00000
 5REM TV CAMER SUB ASSY          5 2T2 1 2    38 24R 2   3 1   2
11BC7X11C   11BC1 11BC2 11BC3 11BC4 11A01
 6REM TV DATA CONVERTER          5 2T2 1 2    38 25R 2   3 1   2
11BC6X11C   11BC1 11BC2 11BC3 11BC4 11A01
 7REM TV CONT                    5 2T2 1 2    38 23R 2   3 1   2
11BC8X11C   11BC1 11BC2 11BC3 11BC4 11A01
 8REM TV POWER                   5 2T2 1 2    38 24R 2   3 1   2
11BC5X11C   11BC1 11BC2 11BC3 11BC4 11A01
 9REM  DATA STOR CHAS 20SE      10 2T2 1 2    29 16R 2   5 1   5
09AC1X09B   09C
10INST DAS LOGIC SUB ASSY       5 1T2 1 2 5  38 37I 1   3 2   2
11BC2X11B   11C   11A01
11REM DATA CHAS FROM SAF       15 1T2        39  9R26  15
00000
12REC TR SPEC GAS STOR ASS     10 1T2        33 16T18  10
00000
13INST ATR + DTR REC ELECT     70 1T2 1 2         I 1  35 2  35
09BC8X09B   09CC1 09A01
14REL WIDE ANG TV CAM ASSY      1 1T2             T25   1
00000
15INST BATT                     2 2T2 1 2    38 26I 1   1 2   1
12BC6X12A01
16TURN POWER ON                 7  T2        38 21T27   7
00000
17INST WIDE ANG TV CAMERA       5 2T2 1 2 5  39 14I 1   2 2   2 9   1
03B10X03B   03A
18REL NARR ANG TV CAMERA        6 2T2             T25   6
00000
19INST NARR ANG TV CAMERA      54 3T2 1 2 5  39 18I 1  20 2  20 9  14
03B12X03B   03A
20TURN POWER OFF                2  T2        39 16T27   2
00000
21MATE CABLE TO SCI POW HN      2 2T2             T 1   111   1
15BC1X15BC2X15BC3X15BC4X15BC5X15A01 11BC1X
22MATE TEST CABLE               3 2T2             T 1   211   1
11C03X11C   11BC3X
23MATE TEST CABLE               5  T2             T 1   311   2
11C03X11BC7X11C01 11C02
24SEC DATA CHAS IN GAS         15 1T2        39 11T26  15
00000
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25INSP TV MODS IN OAS          5  T2        38 24T 9   326   2
00000
26REM BATT                     2 2T2 1 2    39 15R 1   1 2   1
12B06X12A01
27INST TV POWER SUPPLY         2 1T2 1 2    39  8I 1   1 2   1
11B05X11B   11C   11A01
28INST TV DATA CONVERTER       2 1T2 1 2    39  6I 1   1 2   1
11B06X11B   11C   11A01
29INST TV CAMERA               2 1T2 1 2    39  5I 1   1 2   1
11B07X11B   11C   11A01
30INST TV CONT SUB ASSY        2 1T2 1 2    39  7I 1   1 2   1
11B08X11B   11C   11A01
31INST BATT                   15  T2 1 2    39 26I 1   8 2   7
12B06X12A01
32TURN POWER ON               60  T2        39 20T27  60
00000
33TURN POWER OFF               5  T2        39 32T27   5
00000
34SEC IN TENT                918  T2        39 33T17 918

TASK 40  DAY 040   7/26/68
 1SEC IN TENT                 60  T2        39 34T17  60
00000
 2TURN ON POWER               19  T2        39 33T27  19
00000
 3TURN OFF POWER              24  T2        40  2T27  24
00000
 4TURN ON POWER               37  T2        40  3T27  37
00000
 5INST BRACK FOR SCAN PLAT    15 2T2 1 2    32 20I27  15
00000
 6TEST PIN RETENT BEF ETL     35  T2           T27  35
00000
 7TURN OFF POWER               2  T2        40  4T27   2
00000
 8REM SCAN PLAT BRACKS       234  T2        40  5R27 234
00000
 9REM MODE + RATE MOD          5 1T2 1 2    38 30R 2   3 1   2
08B11X08B   08C   08A01
10REM DATA PROC MOD            5 1T2 1 2    38 30R 2   2 1   3
08B07X08B   08C   08A01
11REM CASE 4 MODS              5 2T2 1 2    38 30R 2   2 1   226   1
08B07X08B10X08B11X08B18X08B   08C   08A01
12INST CASE 4                  1 2T2 1 2    40 11I 1   1 2
08A01X
13PURG A/C GAS SYS ASSY       14  T2        30 10T 1   710   7
13A01X13A02 13A03 13A04 13A05 13A06 13A07 13A08
14REM BATT                    15 2T2 1 2    39 31R 2   8 1   7
12B06X12A01
15SEC SIT TO BATT             15 2T2 1 2    40 14I 1   8 2   7
01B05X12B06X12A01
16REM CLOCK AXIS              12 2T2 1 2 S  22  9R 2   6 1   526   1
03B04X03B   03A
17REM CONE AXIS               13 2T2 1 2 S  22 10R 2   6 1   626   1
03B05X03B   03A
18CHARGE GAS VESSEL            5 1T2        39 12T 1   310   2
13A09X13A10 13A11 13A12 13A13
19SECURE IN TENT             924  T2        40 18T17 924
00000
TASK 41  DAY 041   7/27/68
 1SECURE IN TENT             1440  T2        40 19T171440
00000
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TASK 42  DAY 042   7/28/68
 1SECURE IN TENT              1440  T2         41  1T171440
00000
TASK 43  DAY 043   7/29/68
 1SECURE IN TENT                10  T2         42  1T17  10
00000
 2INST BATT                     55 2T2 1 2    40 14I 1  30 2  25
12B06X12A01
 3INST DATA PROC SUB ASSY        7 2T2 1 2    40 10I 1   3 2   311   1
08B07X08B   08A01 08C02
 4INST TRANS REG SUB ASSY        3 2T2 1 2         I 1   1 2   111   1
08B10X08B   08A01 08C02
 5INST MOD + RATE CONT ASS       5 2T2 1 2    40  9I 1   2 2   211   1
08B11X08B   08A01 08C02
 6INST POWER SUPPLY ASSY        15 2T2 1 2         I 1   7 2   711   1
08B18X08B   08A01 08C02
 7INST CASE IV MODS             55 2T2 1 2 5  40 11I 1  30 2  25
08A01X08B   08C02
 8REM CASE I MODS                2 2T2 1 2 5  31  5R 2   1 1   1
05B10X05B11X05B12 05B03 05B02 05B01 05A01
 9OPEN CASE IV                   5 2T2 1 2    43  7T 2   3 1   2
08A01X
10INST DECK SUB ASSY            10 1T2 1 2         I 1   5 2   5
08B16X08B   08C02 08A01
11REM SERVO AMP                 10 1T2 1 2    43  8R 2   5 1   5
05B12X05B03 05B02 05B01 05A01 05C04X
12CLOSE CASE IV                  5 2T2 1 2    43  9T 1   3 2   2
08A01X
13CLOSE CASE I                 230 2T2 1 2    43  8T 1 115 2 115
08A01X
14TURN POWER ON                 10  T2        40  7T27  10
00000
15TURN POWER OFF                30  T2        43 14T27  30
00000
16TURN POWER ON                 10  T2        43 15T27  10
00000
17TURN POWER OFF                30  T2        43 16T27  30
00000
18REM MODS FROM CASE III        15 2T2 1 2    15  4R 2   5 1   526   5
07B01X07B02X07B03X07B04X07B05 07B06 07C   07A05 07A01
19SECURE IN TENT               933  T2        43 18T17 933
00000
TASK 44  DAY 044   7/30/68
 1SECURE IN TENT               197  T2        43 19T17 197
00000
 2ALIGN TORQUE S/PS             95 3T2 1 510  32 27I 1  30 2  30 9  1810  17
01A05X01A06X01A07X01A08X01A02 01A09X01A10X01A11X01A12X
 3TURN POWER ON                253  T2        43 17T27 253
00000
 4TURN POWER OFF                 5  T2        44  3T27   5
00000
 5SEC IN TENT                  890  T2        44  4T17 890
00000
TASK 45  DAY 045   7/31/68
 1SEC IN TENT                   60  T2        44  5T17  60
00000
 2SUB PTM EA 6                  16  T2 1 2 5  40  6R 1   2 2   227  12
01A02X
 3TURN ON POWER                 75  T2        44  4T27  75
00000
 4TURN OFF POWER                75  T2        45  3T27  75
00000
```

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 5REM WIDE ANG TV CAMERA        2  T2 2      39 29R 2   1 1   1
03B10X03B   03A   15A04
 6REM BATT                      7  T2 1 2    43  2R 1   4 2   3
12B06X12A01
 7INST BAT REM CS7 MODS        66  T2 1 2 5  45  6I 1  43 2  43
12B06X12A01 11B05X11B06X11B07X11B08X11C   11B01 11B02 11B03 11B04 11A01
 8TURN POWER ON               120  T2       45  4T27 120
00000
 9TURN POWER OFF               30  T2       45  5T27  30
00000
10REM MONO TEL                 30 3T2 1 2   32  5R 2  15 1  15
03B16X03B15X03B17X03B21 03B22 03B12 03B01 03B02 03B03 03B04 03B05 03B06 03A
11INST ECI ON CONNECTOR        20 2T2       39 23I 1   8 9   411   8
15B01X15B02X15B03X15B04X15B05X15A01 15A02 15A03
12REM CANOPUS HOOD             85 2T2 1 2   32 17R 2  45 1  40
13B1CX13B11X13B08 13B09 01A02
13CK ECI                       60 1T2       45 11T 1  20 9  2027  20
15B01X15B02X15B03X15B04X15B05X15A01 15A02 15A03
14SOLDER COAX CONNECTOR        45 2T21113        I 1  10 2  10 8  15 9  10
15B  X15A01 15A02 15A03
15MODIFY MONO TEL              45 2T2 1 2   45 10T 1  25 2  20
15B  X15A01 15A02 15A03
16POT MONO TEL CONNS           15 3T215     45 15T 1   712   8
15B  X15A01 15A02 15A03
17SECURE IN TENT              669  T2       45 16T17 669
00000
TASK 46  DAY 046   8/01/68
 1SECURE IN TENT              215  T2       45 17T17 215
00000
 2INST MONO TEL                 25 3T2 1 2 5  45 16I 1  13 2  12
03B16X03B   03A   15A01 01A02
 3REM PROP SYSTEM ASSY           5 5T2 1 2 4      R 2   3 1   2
06A05X06B01X06B02X06B03X06B04X06C01X06C02X06C03X06C04X06C05X06C06X01A02
 4INST PROP SYSTEM ASSY         10 5T2 1 2 4  46  3I 1   5 2   5
06A05X06B01X06B02X06B03X06B04X06C01X06C02X06C03X06C04X06C05X06C06X01A02
 5INST HARN ON ADAPT STRUCT     65 2T2 1 2 5      I 1  20 2  15 9  1514  15
15A10X01A23X01A24X
 6REM CANOPUS SENSOR            10 2T2 1 2   45 12R 2   4 1   426   2
13B08X13B09X
 7IDENT UP RING HARN TROUG      80 2T2        4 13T 1  80
15A03X15A01 15A02 15A10 15A05 15A06
 8INST RIVNUT PROPERLY          40 1T2 1 212      I 1  20 2  20
01A23X01A22X01A24X15A10
 9TORQUE ACCELEROMETER         405 1T2 5     46  8I 1 100 2 10010 10026 105
01A23X01A22X01A24X15A10
10REM RADIO ASSY PTM            15 3T2 1 2 5  40  6R 2   5 1   527   5
01A02X
11SECURE IN TENT               570  T2       46 10T17 570
00000
TASK 47  DAY 047   8/02/68
 1SECURE IN TENT                30  T2       46 11T17  30
00000
 2INST ACCELEROMETER            30  T2 1 2   46  9I 1  15 2  15
01A22X01A23X01A24
 3INST W/A TV STIMULUS          10  T2 1 2 5  47  2I 1   5 2   5
01A22X01A23X01A24
 4TORQUE ALL @D@ CLAMPS         95  T2 4 5 6  47  3I 1  45 2  45 9   5
01B03X01B04X
 5CK FIT ON IPS GAS STOR        45  T2 4 6   33 16T 1   5 2   5 9   527  30
03B15X03B16
 6COMPLETE ALL TORQUES         650 2T2 5     47  4I 1 200 2 200 9  5010 200
01B03 01B04 01A22 01A23 01A24
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 7REM BATT                        5 2T2 1 2     47  6R 1   3 2   2
12B06X12A01
 8SEC IN TENT                   575  T2         47  7T17 575
00000
TASK 48  DAY 048   8/03/68
 1SECURE IN TENT               1440  T2         47  7T171440
00000
TASK 49  DAY 049   8/04/68
 1SECURE IN TENT               1440  T2         48  1T171440
00000
TASK 50  DAY 050   8/05/68
 1SECURE IN TENT                195  T2         49  1T17 195
00000
 2REM MONO TEL                   10 3T2 1 2 5   46  2R 1   3 2   3 9   4
03316X03B15 03B17 03B21 03B22 03B01 03B02 03B03 03B04 03B05 03B06 03A   15A04
 3REM UV SPEC                    15  T2 1 2     32  4R 2   8 1   7
03B08X03B09X03B01 03B02 03B03 03B04 03B05 03B06 03A   15A04 01A02 03B21 03B22
 4REM NARR ANG TV CAMERA         60  T2 1 2     39 19R 2  30 1  30
03B12X03B09 03B01 03B02 03B03 03B04 03B05 03B06 03A   15A04 01A02 03B21 03B22
 5STARTED CONNECTOR POTT         60  T215            I 1  20 9  1012  30
15A10X01A22 01A23 01A24
 6SOLDER SIGNAL HARNESS          80  T2111213   46  5I 1  15 2  15 8  3014  20
15A10X01A22 01A23 01A24
 7SHORTEN ACCELEROM LEADS        30  T2 112     47  2R 1  10 2  1011   514   5
15A10X15A11X15A12X15A13X01A22 01A23 01A24
 8SECURE IN TENT                990  T2         50  7T17 990
00000
TASK 51  DAY 051   8/06/68
 1SECURE IN TENT                540  T2         50  8T17 540
00000
 2CONDUCT POTTING                15  T215       51  1T12  15
15A10X15A11 15A12 15A13 01A22 01A23 01A24
 3RAN FEPS TESTS PTM             30  T2         51  2T27  30
00000
 4CONDUCT POTTING               375  T2         51  2T12 375
15A10X15A11 15A12 15A13 01A22 01A23 01A24
 5SECURE IN TENT                480  T2         51  4T17 480
00000
TASK 52  DAY 052   8/07/68
 1SECURE IN TENT               1440  T2         51  4T171440
00000
TASK 53  DAY 053   8/08/68
 1SECURE IN TENT                 15  T2         51  5T17  15
00000
 2REL OSS MODS FROM OAS           5 1T2             T27   5
00000
 3REL DATA STOR HARNESS           5 1T2             T27   5
00000
 4RELEASE CHAS EAS                5 1T2         53  2T27   5
00000
 5REL TCFM SEN XDUCER             1 1T2             T25   1
00000
 6REL TEMP CONT FLUX MON 1        1 1T2             T25   1
00000
 7REL TEMP CONT FLUX MON 2        1 1T2             T25   1
00000
 8REL TCFM HARNESS                1 1T2             T25   1
00000
 9REL TCFM INTR CONN HARN         1 1T2             T25   1
00000
10REL CC+S MODS                  10 1T2             T25  10
00000
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11REL SERVO AMP PTM              5 1T2              T27   5
00000
12REL SCAN LOGIC ELECT           2 1T2              T25   2
00000
13REL SCAN POWER SUPPLY          3 1T2              T25   3
00000
14REL SCAN ACTUATOR CLOCK        2 1T2              T25   2
00000
15SEC SCAN ACTUATOR CONE         3 1T2              T25   3
00000
16INST TCFM                      8 2T2 2 5    53  5I 1   4 2   4
05B08X05B09X
17INST CC+S MODS                 7 2T2 1 2 5  53 10I 1   4 2   3
07B01X07B02X07B03X07B04X07B05 07B06 07C   07A01 07A05
18INST SCAN ACT ASSY CLOCK       8 2T2 1 2    53 14I 1   4 2   4
03B04X03B01 03B02 03B03 03B05 03B06 01A02
19INST SCAN ACT ASSY CONE        7  T2 1 2    53 15I 1   4 2   3
03B05X03B01 03B02 03B03 03B04 03B06 15A04 01A02
20INST BATT                     35 2T2 1 2    47  7T 1  18 2  17
12B06X12A01
21REM SCAN POW TO 69/2           2 2T2 1 2    53 13R 2   1 1   1
05B01 05B02 05B03 05B03 05B09 05A01 05C04
23REM SCAN LOGIC TO 69/2         2 2T2 1 2    53 12R 2   1 1   1
05B01 05B02 05B03 05B08 05B09 05A01 05C04
24INST SCAN LOGIC ELECT          2 2T2        53 23I 1   1 2   1
05B10X05B01 05B02 05B03 05B08 05B09 05A01 05C04
25INST SCAN POW SUPPLY           2 2T2        53 21I 1   1 2   1
05B11X05B10 05B01 05B02 05B03 05B08 05B09 05A01 05C04
26INST CASE V MOD AND HARN       4 2T2 1 2    53  2I 1   2 2   2
09B01X09B02X09B03X09B04X09B05X09B06X09B07X09B08X09B09X09B10X09C01X09A01X
27INST CASE V ON S/C             5 2T2 1 2 5  53 26I 1   3 2   2
09B01X09B02X09B03X09B04X09B05X09B06X09B07X09B08X09B09X09B10X09C01X09A01X
28INST TEMP CONT FLUX MON1       2 1T2 1 2 5  53  6I 1   1 2   1
05B08X05B01 05B02 05B03 05C04 05A01
29INST TEMP CONT FLUX MON2       2 1T2 1 2 5  53  7I 1   1 2   1
05B09X05B01 05B02 05B03 05C04 05A01
30INST TCFM HARN                 1 2T2 1 2    53  8I14   1
05C02X05B01 05B02 05B03 05B08 05B09 05C04 05A01
31INST TCFM INTER CON HARN       1 2T2 1 2    53  9I14   1
05C03X05B01 05B02 05B03 05B08 05B09 05C02 05C04 05A01
32INST SCAN ACT CLOCK AXIS       2 2T2 1 2 5  53 14I 1   1 2   1
03B04X01A02
33INST SCAN ACT CONE AXIS        2 2T2 1 2 5  53 15I 1   1 2   1
03B05X01A02
34INST CASE 3 CONN               5 2T2        51 17I 1   211   3
07C01X07C02 07C03 07B   07A05 07A01
35INST SERVO AMP PTM             7 2T2 1 2    51 11I 1   4 2   3
05B   05A01 05C02 05C03 05C04
36REL TCFM SEN HARN              8 1T2              T25   8
00000
37TURN ON POWER                120  T2         45  9T27 120
00000
38TURN OFF POWER                60  T2         51 37T27  60
00000
39TURN ON POWER                120  T2         51 38T27 120
00000
40REM UV SPECT                   5 2T2 1 2    50  3R 1   3 2   2
03B08X03B09X03B01 03B02 03B03 03B04 03B05 03B06 03B21 03B22 03A
41REL INST UV SPECT             50 2T2 1 2    53 40I 1  20 2  2025  10
03B08X03B09X03B01 03B01 03B03 03B04 03B05 03B06 03B21 03B22 03A
42TORQUE UV SPECT               15 1T2 1 2 5  53 41I 1   8 2   7
03B08X03B09X03B01 03B01 03B03 03B04 03B05 03B06 03B21 03B22 03A
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43TURN OFF POWER                    5  T2          53 39T27   5
00000
44SEC IN TENT                     893  T2          53 43T17 893
00000
TASK 54  DAY 054   8/09/68
 1SEC IN TENT                      75  T2          53 44T17  75
00000
 2INST OSE PLAT                    10 3T2 2 4 6        I 1   5 2   5
03A   03B
 3MATE TCFM SEN TO TRANS            5 2T2          53 36I 1   311   2
02B02X02B01X02B000
 4TURN ON POWER                    60  T2          53 43T27  60
00000
 5TURN OFF POWER                   90  T2          54  5T27  90
00000
 6REM UVS AND REPLACE              30 2T2          50  3R 1  30
03B08X03B
 7TURN ON POWER                     5  T2          54  5T27   5
00000
 8MISSFIT ON MONO TELE ECR         15 1T2          50  2R 2   5 1  10
03B16X03B17X03B   03A01 03A02
 9REL IRS STIM FROM GAS            15 1T2          50  3T25  15
00000
10INST IRS STIM                    65 1T2 2        54  9I 1  33 2  32
03B16X03B17X03B   03A01 03A02
11REM PLEXGLASS COVER              40 1T2 1        54 10R 2  20 1  20
03B16X03B   03A
12INST PLEXGLASS COVER             30 1T2 1        54 11I 1  15 2  15
03B16X03B   03A
13COVER S/C                         5 4T2          54 12T29   5
014   X
14TURN OFF POWER                   15  T2          54  7T27  15
00000
15DECABLE A/C GAS ASSY              2 2T2 2 6      47  5T 1   1 2   1
13A   X
16REM A/C GAS ASSY                  3 4T2          54 15R 1   218   1
13A00W
17REM BATT TO GAS                   5  T2 1 2      47  7R 1   2 2   226   1
12B06X12A01
18SEC IN TENT                     970  T2          54 17T17 970
00000
TASK 55  DAY 055   8/10/68
 1SEC IN TENT                    1440  T2          54 18T171440
00000
TASK 56  DAY 056   8/11/68
 1SEC IN TENT                    1440  T2          55  1T171440
00000
TASK 57  DAY 057   8/12/68
 1SEC IN TENT                      15  T2          56  1T17  15
00000
 2SEC BATT                         15  T2          54 17T25  15
00000
 3INST BATT AND CABLE              90  T2 1 2      57  2T 1  45 2  45
12B06X12A01
 4REL INVERTER                      5  T2              T25   5
00000
 5REL SERVO MECH                    5  T2              T25   5
00000
 6REL ELECT CASE 6                  5  T2              T25   5
00000
 7REL SCAN POWER SUPPLY             5  T2              T25   5
00000
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 8REL SCAN LOGIC ELECT          10  T2              T25  10
00000
 9REM ELECT CASE VI              2 2T2 1 2          R27   2
00000
10REM SCAN LOGIC ELECT           2 1T2 1 2    53 24R 1   1 2   1
05B10X05B01 05B02 05B03 05B08 05B09 05C02 05C03 05C04 05A01
11REM SCAN POWER SUPPLY          2 1T2 1 2    53 25R 1   111   1
05B11X05B01 05B02 05B03 05B08 05B09 05C02 05C03 05C04 05A01
12REM SERVO AMP AND STEPPR       2 1T2 1 2    53 11R 1   1 2   1
05B12X05B01 05B02 05B03 05B08 05B09 05C02 05C03 05C04 05A01
13REL SCAN ACT CLOCK ASSY        2 1T2              T25   2
00000
14REL SCAN ACT CONE ASSY         2 1T2              T25   2
00000
15INST SCAN LOGIC ELECT          1 1T2 1 2    57  8I 2   1
05B10X05B01 05B02 05B03 05B08 05B09 05C02 05C03 05C04 05A01
16INST SCAN POWER SUPPLY         1 1T2 1 2    57  7I 2   1
05B11X05B01 05B02 05B03 05B08 05B09 05C02 05C03 05C04 05A01
17INST SERVO MECH                2 1T2 1 2    57  5I 1   1 2   1
05B12X05B01 05B02 05B03 05B08 05B09 05C02 05C03 05C04 05A01
18REM INVERTER                   1 1T2 1 2          R 2   1
05B06X05B   05A01 05C02 05C03 05C04
19INST INVERTER                  1 1T2 1 2    57 18I 2   1
05B06X05B   05A01 05C02 05C03 05C04
20REM SCAN ACT CLOCK ASSY        2  T2 1 2    53 32R 2   1 1   1
03B04X01A02
21INST SCAN ACT CLOCK ASSY       3 2T2 1 2    57 13I 1   2 2   1
03B04X01A02
22REM SCAN ACT CONE ASSY         2 2T2 1 2    53 33R 2   1 1   1
03B05X03B   03A
23INST SCAN ACT CONE ASSY        3 2T2 1 2    57 14I 1   2 2   1
03B05X03B   03A
24INST CASE VI ON S/C           10 2T2 1 2 5  57  6I 1   5 2   5
10A01X10B   10C
25TEST A/C GAS SYS ASSY +X      88  T2 4 6    54 16T 1  40 2  4411   4
13A  X
26TEST A/C GAS SYS ASSY -X      89  T2 4 6    54 16T 1  40 2  4411   5
13A  X
27TURN ON POWER                 78  T2        54 14T27  78
00000
28TURN OFF POWER                 9  T2        57 27T27   9
00000
29TURN ON POWER                 79  T2        57 28T27  79
00000
30TURN OFF POWER                 5  T2        57 29T27   5
00000
31SEC IN TENT                  904  T2        57 30T17 904
00000
TASK 58  DAY 058   8/13/68
 1SEC IN TENT                   30  T2        57 31T17  30
00000
 2PREP TO REM RADIO             10 1T2        57 24T27  10
00000
 3REM RADIO                     30 2T2 1 2 5  58  2R 2  15 1  15
10A00W10B00W10C00W
 4TURN ON POWER                 17  T2        57 30T27  17
00000
 5TURN OFF POWER                23  T2        58  4T27  23
00000
 6TURN ON POWER                 57  T2        58  5T27  57
00000
 7TURN OFF POWER                63  T2        58  6T27  63
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00000
 8REL CMD SUBASSYS              5 2T2              T25   5
00000
 9REL DATA PROC FROM QAS       35 1T2              T25  35
00000
10REM TEMP CONT MON I          10 1T2 1 2    53 28R 1   4 2   411   2
05B08X05B   05C02 05C03 05C04 05A01
11REM TEMP CONT MON II         10 1T2 1 2    53 29R 1   4 2   411   2
05B09X05B   05C02 05C03 05C04 05A01
11PEM DATA PROC FROM S/C       10 1T2 1 2    43  3R 1   4 2   411   2
08B07X08B   08C02 08A01
12INST DATA PROC ON S/C         5 1T2 1 2    58  9I 1   2 2   211   1
08B07X08B   08C02 08A01
13REM CMD PROTO MODS            4 2T2 1 2    43 12R 2   2 1   2
C8B01X08B02X08B03X08B04X08B05X
14INST CMD MODS ON S/C         50 2T2 1 2    58  8I 1  25 2  25
08B01X08B02X08B03X08B04X08B05X
15REM PROTO WIR HARN COMM       3 2T2 1 2 5  43 12R 2   1 1   111   1
08C01X08C02 08B   08A01
16INST WIR HARN COMM           13 2T2 1 2 5  58 15I 1   5 2   511   3
08C01X08C02 08B   08A01
17MATE WIR HARN COMM PTM       15 2T2        58 16I 1   5 2   511   5
08C02 08B   08A01
18TURN ON POWER                 1  T2        58  7T27   1
00000
19REM BREADBD MODS              8  T2        43 12R27   8
00000
20TURN OFF POWER               43  T2        58 18T27  43
00000
21TURN ON POWER                24  T2        58 20T27  24
00000
22TURN OFF POWER               89  T2        58 21T27  89
00000
23TURN ON POWER                 5  T2        58 22T27   5
00000
24TURN OFF POWER                2  T2        58 23T27   2
00000
25TURN ON POWER                 3  T2        58 24T27   3
00000
26TURN OFF POWER                5  T2        58 25T27   5
00000
27SEC IN TENT                 870  T2        58 25T27 870
00000
TASK 59  DAY 059   8/14/68
 1SEC IN TENT                  55  T2        58 27T27  55
00000
 2TURN ON POWER                 7  T2        58 26T27   7
00000
 3RUN DOWN GYROS               40  T2        59  2T27  40
00000
 4TURN OFF POWER               38  T2        59  2T27  38
00000
 5INST STIM PLAT ON U-RING      5 3T2 4 6    54 10I 1   3 2   2
03A   03B
 6INST WIDE ANG TV STIM         5 1T2 1 2    45  5I 1   3 2   2
03B10X03B   03A
 7INST MONO TEL STIM           10  T2 1 2         I 1   5 2   5
03B16X03B   03A
 8TURN POWER ON                 9  T2        59  4T27   9
00000
 9RUN GYROS DOWN               31  T2        59  8T27  31
00000
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10TURN POWER OFF                 65  T2          59  9T27  65
00000
11TURN POWER ON                   7  T2          59 10T27   7
00000
12RUN GYROS DOWN                 18  T2          59 11T27  18
00000
13INST NARR ANG TV STIM           7 1T2 1 2      50  4T 1   4 2   3
03B12X03B   03A
14INST STIMULUS CABLE UVS        58 1T2 1 2      53 42I 1  29 2  29
03B08X03B   03A
15REM CAMERA COVER              109 1T2          59 13R 1 109
03B12X03B   03A
16INST CAMERA COVER               6 1T2          59 15I 1   6
03B12X03B   03A
17REM STIM SUPP GEAR TV           9 2T2 1 2      59 13R 2   5 1   4
03B12X03B   03A
18REM STIM PLAT ASSY             16 4T2 4 6      59 5 R 2   8 1   8
03B00W03A
19TURN OFF POWER                 10  T2          59 11T27  10
00000
20REM ATR PLAYBACK ELECT          5  T2 1 2      53  2R 2   2 1   211   1
09B08X09B   09C   09A01
21SEC IN TENT                   930  T2          59 20T17 930
00000
TASK 60  DAY 060   8/15/68
 1SEC IN TENT                    30  T2          59 21T17  30
00000
 2TEST GROUND INTEGRITY         270  T2               T27 270
00000
 3TEST GROUND INT COMM           90  T2          60  2T27  90
00000
 4SEC TEMP CONT FLUX MON 1       30  T2          58 10T26  30
00000
 5SEC TEMP CONT FLUX MON 2       30  T2          58 11T26  30
00000
 6TEST GRND INT A/C              55  T2          57 26T27  55
00000
 7TEST GRND INT CC+S             50  T2          53 17T27  50
00000
 8REM OSE CABLES                 15  T2          60  7T27  15
00000
 9SEC IN TENT                   870  T2          60  8T17 870
00000
TASK 61  DAY 061   8/16/68
 1SEC IN TENT                    30  T2          60  9T17  30
00000
 2SEC RADIO FROM GAS             10  T2          58  3T25  10
00000
 3SEC TCMF MON 1                 10  T2          60  4T25  10
00000
 4SEC TCMF MON 2                 10  T2          60  4T25  10
00000
 5INST TCMF MON 1                 3 2T2 1 2      61  3I 1   1 2   111   1
05B08X05B   05A01 05C
 6INST TCMF MON 2                 3 2T2 1 2      61  4I 1   1 2   111   1
05B09X09B   05A01 05C
 7INST TCMF INTCONN HARN         19 2T2 1 2 5    54 30I 1   5 2   511   514   4
05C03X05C   05B   05A01
 8REL PLAT HEAT HARN              5  T2               T26   5
00000
 9INST RADIO ON S/C              60 2T2 1 2 5    61  2I 1  30 2  30
10A01X10B01X10B02X10B03X10B04X10B05X10B06X10B07X10B08X10C01X10C02X10C03X10C04X
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10REM MONO TEL                  160 3T2 1 2    59  7R 1  80 2  80
03B16X03B17X03B15X03B   03A
11REM UV STIM                    10 1T2        59 14R 1  10
03B08X03B   03A
12REM NARR ANG TV CAMERA         10 2T2 1 2    59 17T 2   4 1   426   2
03B12X03B   03A
13REM UV SPECT                   10 2T2 1 2    61 11R 2   4 1   426   2
03B08X03B   03A
14REM WIDE ANG TV CAMERA          5 2T2 1 2    59  6R 2   2 1   226   1
03B10X03B   03A
15REM IRR                        45 2T2 1 2    31 12R 2  20 1  2026   5
03B06X03B07X03B   03A
16REL SCAN PLAT HEATS            60  T2              T25  60
00000
17REM BATT                       10 2T2 1 2    57  3I 1   4 2   426   2
12B06X12A01
18REM GYRO CONT FROM S/C         10 2T2 1 2    29  8R 2   4 1   426   2
07B06X07B   07C   07A01 07A05
19REM RADIO                      10 2T2 1 2    61  9R 2   4 1   426   2
10ACCW10BCCWICCCCW
20REM DIPLEXER SUBASSY            5 1T2 1 2    61 19R 2   3 1   2
10BC2X10B   10C   10A
21REM CASE 3                      5  T2 1 2    53 17R 2   2 1   226   1
07A01X07A05X07B01X07B02X07B03X07B04X07B05X07B06X07C01X07C02X07C03X
22SEC IN TENT                   950  T2        61 22T17 950
00000
TASK 62  DAY 062   8/17/68
 1 SEC IN TENT                 1440  T2        61 22T171440
00000
TASK 63  DAY 063   8/18/68
 1 SEC IN TENT                 1440  T2        62  1T171440
00000
TASK 64  DAY 064   8/19/68
 1PREP SCAN PLAT OPT ALGN         30 4T2 1 2 4       T 1  1515  1027   5
03A   15A04 01A02 03B01 03B02 03B03
 2SEC PLAT HEAT HARN              55 1T2              T25  55
00000
 3REM TV MODS                      5 2T2 1 2    60  2R 1   3 2   2
11B05X11B06X11B07X11B08X11C   11A01
 4INST PLAT HEAT HARN             90 2T2 1 2 5  64  2I 2  25 1  25 9  1014  30
15A07X03A01 03A02 03B01 03B02 03B03 03B05 15A04 01A02
 5REL SCAN DR MECH                30 1T2        61 12T25  30
00000
 6REM CONE AXIS/INS DOGS          20 2T2 1 2 5  57 23X 2  10 1   5 9   5
03B05X03A   03B01 03B02 03B03 15A04 01A02
 7INST CONE AXIS/TOR               5 2T2 1 2 5  64  6I 1   2 2   2 9   1
03B05X03A   03B01 03B02 03B03 15A04 01A02
 8REM CLOCK ACTUATOR/TOR          39 2T2 1 2 5  57 21X 2  15 1  15 9   9
03B04X01A02
 9INST CLOCK ACTUATOR/TOR         39 2T2 1 2 5  64  8I 1  15 2  15 5   9
03A01X03A02
10TURN ON POWER                   69  T2        59 19T27  69
00000
11TURN OFF POWER                   8  T2        64 10T27   8
00000
12SEC IN TENT                   1050  T2        64 11T171050
00000
TASK 65  DAY 065   8/20/68
 1SEC IN TENT                     20  T2        64 12T17  20
00000
 2REM CASE 4                      25 2T2 1 2 5  58 19R 2  10 1  15
08A01 08B   08C
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 3REM TTS HARN                    25 2T2 1 2 51216  8R 2   5 1  1011   514   5
08C02X08B   08A01
 4REM FTS MODS                    25 2T2 1 2 5  64  3R 2  15 1  10
08B01X03B02X08B03X08B04X08B05X08B   08C01 08A01
 5PREP TC INST COMM PROTO         25 2T2 1 2    58 14T 1  15 2  10
08A01 08B   08C01
 6INST FTS HARN/MODS              30 2T2 1 2 5  65  4I 1  10 2  1014  10
08B0CW08C02X08A01
 7INST COMM PROTO                 30 2T2 1 2    65  5I 1  15 2  15
08A01 08B   08C
 8INST C+D DECT SUBASSYS          30 2T2 1 2 5  65  2I 1  10 2  1011  10
08B01X03B02X08B03X08B04X08B05X08C   08A01
 9MATE CASE 4 MODS               102 1T2 1 2 5  65  2I 1  40 2  4011  22
08B01X08B02X08B03X08B04X08B05X08C   08A01
10TURN ON POWER                   99  T2        64 11T27  99
00000
11TURN OFF POWER                  99  T2        65 10T27  99
00000
12REM CASE 4 FROM S/C             20 2T2 1 2    65  9I 1  10 2  10
08B   08C   08A01
13REM FTS MODS TO QAS             35 1T2        65  4R26  35
00000
14SEC IN TENT                    875  T2        65 13T17 875
00000
TASK 66  DAY 066   8/21/68
 1SEC IN TENT                    150  T2        65 14T17 150
00000
 2SEC IOHN RIS FROM QAS           15 1T2             T25  15
00000
 3SCWFF SIDE OF SCAN PLAT         40 1T2        64  1I 1  40
03AC1X03AC2
 4SEC IN TENT                   1235  T2        66  3T171235
00000
TASK 67  DAY 067   8/22/68
 1INST HEATRS ON SCAN PLAT       120 2T2 1 2    61 16I 1  60 2  60
11C04X03A   03B01 03B02 03B03 03B04 03B05
 2INST PROTO C+D DET MODS         45 2T2 1 2 5  65  8I 1  23 2  22
08B01X08B02X08B03X08B04X08B05X08B   08A01 08C
 3INST CASE IV                    15 2T2 1 2    67  2I 1   8 2   7
08A01X08B   08C
 4START SCAN ALIGN                15 3T2        67  1T 9  15
03A
 5TURN ON POWER                  310  T2        65 11T27 310
00000
 6TURN OFF POWER                   5  T2        67  5T27   5
00000
 7SECURE IN TENT                 930  T2        67  6T17 930
00000
TASK 68 DAY 068   8/23/68
 1SECURE IN TENT                  30  T2        67  7T17  30
00000
 2ALIGN SCAN PLAT                240 2T2        67  4T 9 240
03A
 3REM SCAN PLAT ALIGN             60 2T2 4 6    68  2T 1  20 2  20 9  20
03A
 4SET UP FOR FEPS TEST            60  T2             T 9  60
03A
 5REM FEPS COVER                  10 1T2             R 1  10
03B03X03BC1 03BC2 03BC4 03BC5 03A01 03A02
 6CONT TEST                       30  T2        68  4T27  30
00000
 7INST FLIGHT HOOD                30 1T2 1      29 19I 1  15 2  15
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03B03X03B01 03B02 03B04 03B05 03A01 03A02
 8REL DIPLEXER ASSY IN QAS     20 1T2          61 20T26  20
00000
 9INST DIPLEXER ASSY           30 2T2 1 2 5  68  8T 1  15 2  15
10B02X10C02X10B   10A01
10INST RF CABLE SEMI RIGID      5 2T2             I 1   3 2   2
10C03X10C04X10B   10A01 10C01 10C02
11MATE DXI AND TORQUE          35 2T2 5       68  9I 1  10 2  1011  15
10B02X10C01X10B   10A01 10C02 10C03 10C04
12SEC CASE VI TO OSE TESTS     10  T2          68 11T18   527   5
10A01 10B   10C
13RERUN FEPS TESTS             70  T2          68  6T27  70
00000
14SECURE IN TENT               20  T2          68 13T17  20
00000
15REM FLIGHT HOOD              10 1T2 1 2     68  7R 2   5 1   5
03B03X03B01 03B02 03B04 03B05 03A01 03A02
16INST FEPS STIMULUS           20  T2 1 2     68 13T 1  10 2  10

17INST FLIGHT HOOD             10 2T2 1 2     68 15I 1   5 2   5
03B03X03B01 03B02 03B04 03B05 03A01 03A02
18COVER S/C WITH PLASTIC       45  T2          68 17T29  45
01A01
19REC CASE VI FROM OSE          5  T2          68 12T25   5
00000
20SECURE IN TENT               700  T2         68 19T17 700
00000
TASK 69  DAY 069   8/24/68
 1SECURE IN TENT               10  T2          68 20T17  10
00000
 2REWORK UPPER RING HARN        4 3T2 1 2 512 4 13T 1   1 2   111   114   1
15AC2X15AC1X15AC3X15AC5 15AC6
 3REM POTTING SLEEVE            2 3T2 1 2 51269  2R 1   1 2   1
15AC1X15AC2X15AC3X15AC5 15AC6
 4REM CONN FROM RING           14 3T2 1 2 51269  3R 1   5 2   514   4
15AC1X15AC2X15AC3X15AC5 15AC6
 5REM POTTING AROUND PINS      15 3T2          69  4R 1   8 6   7
15AC1X15AC2X15AC3X15AC5 15AC6
 6SOLDER LEADS TO PINS         10 3T2111213   69  5I 1   4 2   4 8   2
15AC1X15AC2X15AC3X15AC5 15AC6
 7LACE NEW LEADS IN HARN       60 3T2          69  6I 1  60
15AC1X15AC2X15AC3X15AC5 15AC6
 8HOOK UP BREAKOUT BOX         30 2T2          69  7I 1  30
15AC1X15AC2X15AC3X15AC5 15AC6
 9REM CONN                      5 2T212        69  8R14   5
15AC1X15AC2X15AC3X15AC5 15AC6
10CUT LEAD FROM CONN           10 2T212        69  9R14  10
15AC1X15AC2X15AC3X15AC5 15AC6
11COMPLETE SOLDER SPLICE        2 2T21213      69 10I 2   1 8   1
15AC1X15AC2X15AC3X15AC5 15AC6
12SHRINK SPLICE SLEEVE          2 2T215        69 11I12   2
15AC1X15AC2X15AC3X15AC5 15AC6
13CUT LEAD FROM CONN            8 2T212        69 10R 1   4 2   4
15AC1X15AC2X15AC3X15AC5 15AC6
14COMPLETE SOLDER SPLICE        3 2T21113      69 13R 1   1 2   1 8   1
15AC1X15AC2X15AC3X15AC5 15AC6
15SHRINK SPLICE SLEEVE         40 2T2          69 14I12  40
15AC1X15AC2X15AC3X15AC5 15AC6
16LACE UP HARN REWORK           5 2T2 1 2 51269  2I 1   2 2   214   1
15AC1X15AC2X15AC3X15AC5 15AC6
17CK FOR CONTIN BY TECH        20  T2          69 16T27  20
00000
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18ROTATED S/C BY TECH          20  T2        69 17T16  20
00000
19INST SUPP BRACK ON SCAN      30 3T2 2 6    64  1I 1  10 2  1015  10
03A   03B
20POT CONN                     25 2T215      69 13T12  25
15A01X15A02X15A03X15A05 15A06
21SEC IN TENT                1125  T2        69 20T171125
00000
TASK 70  DAY 070   8/25/69
 1SEC IN TENT                1440  T2        69 21T171440
00000
STAGE   2 SYSTEMS TEST
TASK 01  DAY 071   8/26/68
 1SEC IN TENT                  30  T2             T17  30
00000
 2TORQUE SCREWS ON UP RING     20 2T2 1 5         I 1  10 2  10
15A01X15A02X15A03X15A05 15A06
 3SOLDER SCAN HEATERS          10 2T21113         I 1   4 2   4 8   2
15A07X03A   03B
 4REM CASE 4                   15 2T2 1 2 5       R 2   5 1   518   5
08A   08B   08C
 5INST PROTO COMM MOD           4 1T2 1 2         I 1   2 2   2
08B05X08B   08C   08A01
 6REINST PROTO COMM MOD         1 1T2         1  5I 1   1
08B0CWC8A01 C8C00
 7REL CASE 3 FROM QAS           5 1T2             T25   5
00000
 8INST CASE 3                   2 2T2 1 2 5   1  7I 1   1 2   1
07A01 07A05 07B   07C
 9REL TV MODS FROM QAS          2 1T2             T25   2
00000
10REM CLOCK AXIS                2 2T2 1 2         R 2   1 1   1
03B04X01A02
11INST CLOCK AXIS               2 2T2 1 2     1 10I 1   1 2   1
03B04X01A02
12REV SCREWS ON HARN 111        3 2T2 1 2 5       I 1   1 2   111   1
07C01X07C03 07C02 07B   07A05 C7A01 15A01 15A02 15A03
13INST TV POWER SUPPLY          4 2T2 1 2     1  9I 1   2 2   2
11B05X11B01 11B02 11B03 11B04 11A01 11C
14INST TV CONT SUB ASSY         5 2T2 1 2     1  9I 1   3 2   2
11B08X11B01 11B02 11B03 11B04 11B05 11A01 11C
15REM CONE AXIS/INST            5 2T2 1 2         X 2   3 1   2
03B05X03B   03A   15A04
16INST TV CAMERA DRIVERS        5 2T2 1 2     1  9I 1   3 2   2
11B07X11B   11C   11A01
17INST TV DATA CONV             2 2T2 1 2         I 1   1 2   1
11B06X11B   11C   11A01
18REV SCREWS ON HARN 111        2 1T2 1 2 5       I 1   1 2   1
07C02X07C01 07C03 07B   07A05 07A01
19REL BATT FROM QAS             4 1T2             T25   4
00000
20INST BATT                     2 2T2 1 2     1 19I 1   1 2   1
12B06X12A01
21INST SIT                      2 1T2 1           I 1   1 2   1
01B05X12B06 12A01
22REC ATR PLAYBACK IN QAS       6 2T2             X26   125   1 1   2 2   2
09B02X09B   09A01 09C01
23REL GYRO CONT FROM QAS        5 1T2             T25   5
00000
24INST GYRO CONT               13 2T2         1 23I 1   7 2   6
07B06X07B   07C   07A05 07A01
25PREP TO INST A/C GAS SYS     55 4T2 4 6         T 1  15 2  1510  1511  10
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13A00X
25PPEP TO INST A/C GAS SYS     55 4T2 4 6      1 25T 1  20 2  2010  15
13A00X
27INST A/C GAS SYS             45 4T2 2 510    1 26I 1  15 2  1510  15
13A00W
28REM A/C GAS SYS              45 4T2 4 6      1 27R 2  15 1  15 9  15
13A00W
29INST CASE V1                 30 2T2 1 2          I 1  15 2  15
10A01 10B   10C
30INST A/C GAS SYS             15 4T2 2 510    1 28I 1   5 2   510   5
13A00W
31INST A/C GAS SYS             30 4T2 2 510    1 25I 1  10 2  1010  10
13A00W
32PREP TO INST SCI INSTRU      15 1T2              T 1  15
03A
33INST IRR                      5 2T2 1 2          I 1   3 2   2
03B06X03B07X03B   03A
34INST WIDE ANG TV              5 2T2 1 2        1 I 1   3 2   2
03B10X03B11X03B   03A
35INST BLOCK CODE              10 2T2              I26   5 2   5
08B17X08B   08A   08C
36INST MT1 + UVS               35 2T2 1 2 5        I 1  18 2  17
03B16X03B08X03B   03A
37CK INST GROUND               15  T2          1 36T27  15
00000
38INST CASE 1V                 30 2T2 1 2         3I 1  15 2  15
07B   07C   07A01 07A05
39SECURE IN TENT              899  T2          1 38T17 899
00000
TASK 02  DAY 072   8/27/68
 1PURGE IRS                     5 1T2          1 36I27   5
00000
 2INST STIM BRACKETS           15  T2 4 6          I 1   8 2   7
03A   03B   15A04 01A02
 3INST STIMULI                 81  T2 1 2          I 1  41 2  40
03A   03B   15A04 01A02
 4TURN POWER ON                 3  T2              T27   3
00000
 5TURN POWER OFF                7  T2          2  4T27   7
00000
 6TURN POWER ON                19  T2          2  5T27  19
00000
 7TURN POWER OFF               25  T2          2  6T27  25
00000
 8TURN POWER ON                18  T2          2  7T27  18
00000
 9RUN DOWN GYROS               27  T2          2  8T27  27
00000
10TURN POWER OFF               27  T2          2  9T27  27
00000
11TURN POWER ON                48  T2          2 10T27  48
00000
12INST WIDE ANG COLUM           5 3T2          1 34I 1   315   2
03B10X03B   03A   15A04 01A02
13INST WIDE ANG COLUM           5 3T2              I 1   315   2
03B12X03B   03A   15A04
14REM NARR ANG TV COVER        25 1T2          2 13R 1  25
03B12X03B   03A
15INST NARR ANG TV COVER       27 1T2          2 14I 1  27
03B12X03B   03A
16TURN POWER OFF               48  T2          2 11T27  48
00000
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17SECURE IN TENT              1055  T2          2 16T171055
00000

TASK 03  DAY 073   8/28/68
 1SEC PYRO SP TO GAS SUPPO     60 3T2 1 2 6       I 1  30 2  30
13A00W15A09X
 2TURN POWER ON               325  T2          2 16T27 325
00000
 3REM LOCKING PIN PAS           2 1T2 111         R 2   1 1   1
01B06X
 4INST LOCKING PIN PAS         13 1T2 111     3  3I 1   7 2   6
01B06X
 5REM LOCKING PIN SIT          10  T2  111        R 2   5 1   5
01B05X12B06
 6REM LOCKING PIN PAS          10 1T2 111     3  4R 2   5 1   5
01B06X
 7MOUNT CANOPUS SENSOR        170 2T2 1 2         I 1  85 2  85
13B08X13B09X13B10X13B11X01A02
 8TURN POWER OFF               25  T2          3  2T27  25
00000
 9SECURE IN TENT              825  T2          3  8T17 825
00000
TASK 04  DAY 074   8/29/68
 1SECURE IN TENT               30  T2          3  9T17  30
00000
 2TURN POWER ON                20  T2          3  8T27  20
00000
 3RUN GYROS DOWN               10  T2          4  2T27  10
00000
 4MOUNT MAGNETOMETER          560 2T2 1 2     3  7I 1 280 2 280
13B08X13B09X13B10X13B11X01A02
 5TURN POWER OFF                5  T2          4  2T27   5
00000
 6REM HOOD FROM NAMG 1          2 1T2 1 2         R 2   1 1   1
03B01X03B   03A
 7REM HOOD FROM NAMG 2          2 1T2 1 2     4  6R 2   1 1   1
03B02X03B   03A
 8INST MARS GATE HOOD 1         6 1T2 1 2     4  7I 1   3 2   3
03B01X03B   03A
 9INSTALL MARS GATE HOOD 2      5 1T2 1 2     4  7I 1   2 2   3
03B02X03B   03A
10SECURE IN TENT              800  T2          4  9T17 800
00000
TASK 05  DAY 075   8/30/68
 1SECURE IN TENT               19  T2          4 10T17  19
00000
 2TURN POWER ON                26  T2          4  5T27  26
00000
 3RUN GYRO DOWN               105  T2          5  1T27 105
00000
 4REM CAMERA COVER              8 1T2             R 1   8
03B12X03B   03A
 5TURN POWER OFF              397  T2          5  2T27 397
00000
 6REM BATT                      5 2T2 1 2     1 20R 2   3 1   2
12B06X12A01 01B05
 7SECURE IN TENT              880  T2          5  6T17 880
00000
TASK 06  DAY 076   8/31/68
 1SECURE IN TENT             1440  T2          5  7T171440
00000
TASK 07  DAY 077   9/01/68
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 1SECURE IN TENT              1440  T2          6  1T171440
00000
TASK 08  DAY 078   9/02/68
 1SECURE IN TENT              1440  T2          7  1T171440
00000
TASK 09  DAY 079   9/03/68
 1INST BATT                     50 2T2 1 2      5  6I 1  25 2  25
12B06X12A01 01B05
 2TURN POWER ON                 20  T2          5  5T27  20
00000
 3REM WIDE ANG TV COVER         25 1T2          2 12R 1  25
03B10X
 4REM NARR ANG TV COVER         25 1T2          2 15R 1  25
03B12X03B   03A
 5INST WIDE ANG TV COVER        15 1T2          9  3I 1  15
03B10X03B   03A
 6INST NARR ANG TV COVER        15 1T2          9  4I 1  15
03B12X03B   03A
 7REM MONO TEL COVER            45 2T2 1 2 4    1 36R 1  23 2  22
03B15X03B16X03B17X03B   03A
 8INST MONO TEL COVER           25  T2 1 2 4    9  7I 1  13 2  12
03B15X03B16X03B17X03B   03A
 9REM STIM PLATFORM             15 3T2 1 4 6    2  3R 2   5 1   515   5
03B16X03B   03A   15A04 01A02
10REPLACE METAL COVER            2 1T2 1        9  3I 1   1 2   1
03B12X
11REL MODE + RATE ASSY QAS       3  T2              T25   3
00000
12REM POWER SUPPLY               5 1T2 1 2      1 38R 2   3 1   2
08B18X08B   08C   08A01
13REM MODE + RATE FROM CS4      10  T2 1 2      9 12X 2   5 1   5
08B11X08B   08C   08A01
14INST POWER SUPPLY/CONN        75  T2 1 2      9 12I 1  30 2  3011  15
08B18X08B   08C   08A01
15TURN POWER OFF                35  T2          9  2T27  35
00000
16TURN POWER ON                 40  T2          9 15T27  40
00000
17TURN POWER OFF                 5  T2          9 16T27   5
00000
18SECURE IN TENT              1030  T2          9 17T171030
00000
TASK 10  DAY 080   9/04/68
 1SECURE IN TENT                 10  T2          9 18T17  10
00000
 2DEMATE ATR + DTR ELECT         10 1T2 1            R 1   511   5
09B08X09B   09C   09A01
 3INST ATR +DTR                  10  T2         10  2I 1   5 2   5
09B08X09B   09C   09A01
 4CLOSE CASE 5                   13  T2 1 2     10  3T 1   7 2   6
09A01X
 5TURN POWER ON                  13  T2          9 17T27  13
00000
 6INST COLLIMATOR               302 4T2          2 12I 1 151 5 151
03B12X03B   03A   15A04 01A02
 7TURN POWER OFF                  5  T2         10  5T27   5
00000
 8MOVE S/C TO 35DEG POSITN        5 1T2 1 2     10  7T 1   111   216   2
09B08X09B   09C   09A01
 9MOVE S/C TO HOR POSITION        5 1T2         10  8T16   5
00000
10SECURE IN TENT              1067  T2          10  9T171067
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00000
TASK 11  DAY 081   9/05/68
 1SECURE IN TENT                15  T2        10 10T17  15
00000
 2OPEN CASE 5                    5 2T2 1 2    10  4R 2   3 1   2
09A01X
 3REM ATR + DTR                  5 2T2 1 2    10  3R 2   3 1   2
09B08X09B   09C   09A01
 4TURN ON POWER                  3  T2        10  7T27   3
00000
 5TURN OFF POWER                 2  T2        11  4T27   2
00000
 6INST ATR + DTR                 5 2T2 1 2 5  11  3I 1   3 2   2
09B08X09B   09C   09A01
 7MATE ATR + DTR CONNS           5 1T2 1 2 5  11  6I 1   2 2   211   1
09B08X09B   09C   09A01
 8CLOSE CASE 5                   5 2T2 1 2    11  7I 1   3 2   2
09A01X
 9CHANGE S/C POSITION           35  T2        11  8T16  35
00000
10TURN ON POWER                  5  T2        11  5T27   5
00000
11REM IRR                       10 2T2 1 2     1 33R 2   5 1   5
03B06X03B07X03B   03A01 15A04 01A02
12INST SCI STIM PLAT             7 3T2 1 4 6   9  9I 1   2 2   215   3
03A   03B
13REM NARR ANG TV COVER         43 1T2        10  6R 1  43
03B12X03B13X03B14X03B   03A   15A04 01A02
14REM SCAN ALIGN PLATE         240 1T2 1 2         R27 240
00000
15INST IRR                      55 2T2 1 2 5  11 11I 1  20 2  2011  15
03B06X03B07X03B   03A   15A04 01A02
16REM SCI OSE PLAT              30 3T2 1 4 6  11 12R 2  10 1  1015  10
03A   03B
17SET UP LOS TEST               95 2T2             T27  95
00000
18TURN OFF POWER                10  T2        11 10T27  10
00000
19SEC IN TENT                  865  T2        11 18T17 865
00000
TASK 12  DAY 082   9/06/68
 1SEC IN TENT                    10  T2        11 19T17  10
00000
 2REM IRR                        50 2T2 1 2 5  11 15R 2  20 1  2011  10
03B06X03B07X03B   03A   15A04 01A02
 3INST GAUSS METER               10 1T2 1 2         I 1   5 2   5
13B09X13B10X13B11X13B08X
 4REM CLAMPS FROM SCAN HTS        5 2T21112     1  3R 2   2 1   214   1
03B06X03B07X03B   03A   15A04 01A02
 5MATE IRR AND MOUNT              5 2T2 1 2    12  2I 1   2 2   211   1
03B06X03B07X05C04X03B   03A   15A04 01A02
 6TURN ON POWER                  70  T2        11 18T27  70
00000
 7REM CAMERA COVERS              10 1T2         9  6R 1  10
03B10X03B12X03B   03A01 15A04 01A02
 8ALIGN SCAN PLAT                70 2T210      11 14I 1  35 9  35
03A   03B   15A04 01A02
 9REM IRR                        15  T2 1 2    11  5R 1   5 2   511   5
03B06X03B07X05C04X03B   03A   15A04 01A02
10INST IRR                       20 2T2 1 2    12  9I 1   7 2   711   6
03B06X03B07X05C04X03B   03A   15A04 01A02
11TURN OFF POWER                 10  T2        12  6T27  10
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00000
12TURN ON POWER                 20  T2         12 11T27  20
00000
13TEST WIDE ANG TV CAMERA        5 4T2          9  5T 1   315   2
03B12X03B   03A   15A04 01A02
14REM MONO TEL COVER             5 1T2          9  8R 1   5
03B16X03B17X03B18X
15REM IRR                       50 2T2 1 2     12 10R 2  20 1  2011  10
03B06X03B07X05C04X03B   03A   15A04 01A02
16INST IRR                      50 2T2 1 2     12 15I 1  20 2  2011  10
03B06X03B07X05C04X03B   03A   15A04 01A02
17REM COVER FROM MONO TEL       15 1T2          9  8R 1  15
03B16X03B17X03B18X
18INST MONO TEL COVER           52 1T2         12 17I 1  52
03B16X03B17X03B18X
19REM UV STIM                    3 1T2 1            R 2   2 1   1
03B08X03B   03A   15A04 01A02
20INST IRR STIM                 15 1T2 1       12 16I 1   8 2   7
03B06X03B07X03B   03A   01A02 15A04
21CHANGE S/C POSITION          120 1T2         12 20T16 120
00000
22TURN OFF POWER                 5  T2         12 12T27   5
00000
23TURN ON POWER                  5  T2         12 22T27   5
00000
24TURN OFF POWER                14  T2         12 23T27  14
00000
25INST NARR TV COVER             2 1T2          9  6I 1   2
03B12X03B   03A   15A04 01A02
26INST UV STIM COVER             8 1T2 1 2     12 19I 1   4 2   4
03B08X03B09X03B   03A   15A04 01A02
27REM A B TV CAMERAS            17 2T2 1 2      9  6R 2   8 1   9
03B10X03B11 03B   03A   15A04 01A02 03B12X
28CHANGE S/C POSITION            3 1T2         12 27T16   3
00000
29REM BATT                       2 2T2 1 2      9  1R 2   1 1   1
12B06X12A01
30REM SIT                        3 2T2 1 2      9  1R 2   2 1   1
01B05X12B06 12A01
31REM TV CAMERA DRIVE            5 1T2 1 2 5    1 13R 2   3 1   2
11B07X11B   11C   11A01
32REM TV DATA CONVERT            2 1T2 1 2 5    1 14R 2   1 1   1
11B06X11B   11C   11A01
33REM TV CONT                   13 1T2 1 2 5        R 2   6 1   7
11B08X11B   11C   11A01
34REM TV POWER                   5 1T2 1 2 5    1 16R 2   2 1   3
11B05X11B   11C   11A01
35SEC IN AREA                   10  T2         12 34T27  10
00000
36SEC IN TENT                  736  T2         12 35T17 736
00000
TASK 13  DAY 083   9/07/68
 1SEC IN TENT                   30  T2         12 36T17  30
00000
 2PRESS GAS SYS                390 3T2 4 610        T 1 100 2 10010 190
13A
 3SEC IN TENT                 1020  T2         13  2T171020
00000
TASK 14  DAY 084   9/08/68
 1SEC IN TENT                 1390  T2         13  3T171390
00000
 2REM BAY 4                     50  T2 1 2 5    9 13R 2  25 1  25
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08A01X08B00W08C00W
TASK 15  DAY 085   9/09/68
 1REM BAY 4                    20  T2 1 2 5  14  2R 2  10 1  10
08A01X08B00W08C00W
 2REM MARS GATE ASSY           15 1T2 1 2     4  6R 2   7 1   8
03B01X03B   03A   15A04 01A02
 3INST MARS GATE ASSY          15 1T2 1 2    15  2I 1   8 2   7
03B01X03B   03A   15A04 01A02
 4INST BAY 4                    5  T2 1 2 5  15  1I 1   3 2   2
08A01X08B00W08C00W
 5INST BATT                    30 2T2 1 2    12 29I 1  15 2  15
12B06X12A01 01B05X
 6TURN POWER ON               300  T2        12 24T27 300
00000
 7TURN OFF POWER               65  T2        15  6T27  65
00000
 8TURN ON POWER               135  T2        15  7T27 135
00000
 9TURN OFF POWER                5  T2        15  8T27   5
00000
10TURN ON POWER               105  T2        15  9T27 105
00000
11TURN OFF POWER               15  T2        15 10T27  15
00000
12SEC IN TENT                 730  T2        15 11T17 730
00000
TASK 16  DAY 086   9/10/68
 1REM CASE 1                   15 2T2 1 2 5      R 2   8 1   7
05A   05B   05C
 2WRAP TCFM SENSOR             15 2T2            I 1  15
05C03X
 3REM CASE 4                   15 1T2 1 2    15  4R 1   8 2   7
08A01X08B   08C
 4INST CASE 4                  15 1T2 1 2    16  3I 1   8 2   7
08A01X08B   08C
 5INST CASE 4 SCREWS           10 1T2 1 2    16  4I 1   5 2   5
08A01X08B   08C
 6REM CASE 5                   30 2T2 1 2    11  8R11  15 2  15
09A01X
 7REM POWER SUPPLY             30 2T2 1 2    16  1R 2  10 1  1011  10
09B05X09B   09C   09A01
 8SEC LOW GAIN ANT TO LAM       5 1T2            T 1   325   2
02A01X
 9UPDATE CASE 1 FOR ETL         5 1T2        16  1T 9   5
05A01X05B  X05C  X
10UPDATE CASE 5 FOR ETL         5 1T2        16  6T 9   5
09A01X09B  X09C  X
11REM TCFM SEN XDUCT ASSY       8 1T2 1 2         R 2   4 1   4
02B01X
12INST XDUC ON LOW GAIN         7 1T2 1 2    16  8I 1   3 2   4
02B01X02A010
13DISCON N TANK PRESS XDUC      2 1T2 2 4 6       R 2   1 1   1
06A   06B
14ROUT TCFM SEN HARN            5 2T2 1 5    16  2T 1   2 2  214   1
02B02X02A01
15CHECK PRESS                   1 1T210      16 13T10   1
06A   06B   06C
16INST N TANK PRESS XDUC        2 1T2        16 15I 1   1 2   1
06A   06B
17TORQUE TCFM SEN WIR HARN     10 2T2 5      16  2I 1   5 2   5
06B02X02A01 02B
18INST POWER SUPPLY            10 2T2 1 2    16  7I 1   3 2  311   4
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09B05X09B   09C   09A01
19TIE CASE I HARN                5 2T212      16 17I 1   211   214   1
05C00W05B   05A01
20INST CASE 5                    5 1T2 1 2 5  16  9I 1   3 2   2
09B08X09B   09C   09A01
21REM TCFM XDUC ASSY            20 1T2 1 2    16 11R 2  10 1  10
02B01X02B02 02A01 02A03 02A04
22INST CASE 1                  100 2T2 1 2 5  16 19I 1  50 2  50
05A01X05B   05C
23MATE TCFM 1                   15 2T2 1 2 5  16 22I 1   5 2   511   5
05B09X05B   05C   05A01 02B
24REM MARS GATE                  2 1T2 1 2    15  3R 2   1 1   1
03B01X03B   03A
25INST MARS GATE                 3 1T2 1 2 5  16 24I 1   2 2   1
03B01X03B   03A
26INST TCFM HARN               125 2T2 1 2 51216 21I 1  50 2  5014  25
02B02X02B01 02A   01A02
27INST BURN WIRES ON S/P        25 2T2 1           I 1  13 2  12
04A00W04B00W06A00W06B00W06C00W03B16X03B   03A00W15A04 01A02
28INST BURN WIRE SQUIB SIM      10 2T2 1      16 27I 1   5 2   5
06D04X06D05X06D06X06D07X
29CHK BURN WIRE RESIST          27 1T2        16 28T27  27
00000
30TURN ON POWER                 23  T2        15 11T27  23
00000
31REM FEPS                      13 1T2 1 2          T 1   6 2   626   1
03B03X03B   03A   15A04 01A02
32INST FEPS                     70 1T2 1 2    16 31I 1  34 2  3425   2
03B03X03B   03A   15A04 01A02
33COMP FEPS ALIGN TEST          35 2T210      16 32T 9  35
03B03X03B   03A   15A04 01A02
34REM NARR ANG MARS GATE        12 2T2 1 2    12 27T 1   4 2   426   4
03B02X03B   03A   15A04 01A02
35BEGIN NAMG ALIGN              35 2T210           T 9  35
03B02X03B   03A   15A04 01A02
36COMP ALIGN OF NAMG             5 2T210      16 35T 9   5
03B02X03B   03A   15A04 01A02
37TILT S/C                      15 1T2        16 36T16  15
00000
38CHK NAMG ALIGN                20 2T210      16 36T 9  20
03B02X03B   03A   15A04 01A02
39CHANGE S/C POSITION           30 1T2        16 36T16  30
00000
40CHK NAMG ALIGN                35 2T210      16 36T 9  35
03B01X03B   03A   15A04 01A02
41REVERIFIED NAMG ALIGN         10 2T210      16 40T27  10
00000
42START ALIGN VERIFICATION       60 2T210      16 41T 1  20 2  20 9  20
03B01X03B   03A   15A04 01A02
43TURN OFF POWER                 5  T2        16 30T27   5
00000
44COMP ALIGN VERIFICATION        5 2T2        16 42T 9   5
03B01X03B   03A   15A04 01A02
45VER SCAN PLAT ALIGN           15 2T2              T 9  15
03B01X03B   03A   15A04 01A02
46COMP VERIFICATION              5 2T2        16 45T 9   5
03B01X03B   03A   15A04 01A02
47ROTATED S/C                   10 1T2        16 46T16  10

48INST OSE HOOD ON NAMG 1        1 1T2 1 2    16 46I 2   1
03B01X
49INST OSE HOOD ON NAMG 2        1 1T2 1 2    16 46I 2   1
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03B02X
50REM BAFFLE                    1 1T2 1 2    16 32R 2   1
03B03X
51INST OSE HOOD                 1 1T2 1 2    16 46I 2   1
03B03X
52RETURN BAFFLE TO B/S          1 1T2        16 50T26   1
00000
53SEC IN TENT                 505  T2        16 52T17 505
00000
TASK 17  DAY 087   9/11/68
 1SEC IN TENT                  65  T2        16 53T17  65
00000
 2TURN ON POWER                85  T2        16 43T27  85
00000
 3VERIFY BURN WIRES FIRED      20 1T2        16 29T 9  20
00000
 4REM BURN WIRES FROM S/C      20 3T2 1      17  3R 2  10 1  10
01B09X03B24X03B25X04B08X04B10X04B11X06D05X06D06X06D07X01A02 03A   03B
 5INST BURN WIRE SIMS          20  T2 1      17  4I 1  10 2  10
01B09X03B24X03B25X04B08X04B10X04B11X06D05X06D06X06D07X01A02 03A   03B
 6RET BURN WIRES TO LAB        15  T2        17  4T27  15
00000
 7SEC NAMG CABLE               15  T2        16 44T27  15
00000
 8TURN OFF POWER               70  T2        17  2T27  70
00000
 9PREP TO OPEN CASE 1          15 2T2 1 2 5  16 22T 1   8 2   7
05A01X
10REM TCFM MODS                 5 2T2 1 2 5  17  9R 2   2 1   3
05B08X05B   05C   05A01
11REM TCFM MODS                 5 2T2 1 2 5   1  8R 2   2 1   3
05B09X05B   05C   05A01
12REM CASE 3 MODS               5 2T2 1 2 5  17  9R 2   2 1   226   1
07B01X07B02X07B03X07B04X07B05 07B06 07C   07A05 07A01
12REM POWER HARN                4 2T2 1 512  17 12R 2   1 1   111   114   1
05C01X05C   05B   05A01
13INST POWER HARN               4 2T2        17 12I 1   1 2   111   114   1
05C01X05C   05B   05A01
14INST HEAT ON OSE HOOD         5 1T2 1      16 51I 1   3 2   2
13B10X13B03 13B09 13B11
15INST THERMO  ON S/C          15 3T2 5          I 1   5 2   512   5
11A04X12A03X03B18X03B14X03B19X03B21X05A03X05A02X06A04X07A04X08A02X09A03X10A02X
16REM GYRO CONT                 4 2T2 1 2 5   1 24R 2   2 1   2
07B06X07B05 07C   07A05 07A01
17REL GYRO TIMER TO QAS         3 1T2        17 16R26   3
00000
18MATE AND TORQUE POW HARN     15 2T2 5      17 13I 1   5 2   511   5
05C01X05C   05B   05A01
19DEMATE CONN                   2 2T2 1      17 17R 2   111   1
07C03X07C   07B05 07A05 07A01
20MATE CONN                     3 2T2 1      17 19I 2   211   1
07C03X07C   07B05 07A05 07A01
21INST CASE 1                   5 2T2 1 2    17 12I 1   3 2   2
05A01 05B   05C
22SEC GYRO CONT IN QAS          5 2T2        17 16T26   5
00000
23REM CASE 6                    7 2T2 1 2 5       R 2   4 1   3
10A01X10B   10C
24REM CASE 3                    8 2T2 1 2 5   1  8R 2   4 1   4
07A01 07A05 07B05 07C
24INST CC+S MODS               30 2T2 1 2 5  17 11I 1  15 2  15
07B01X07B02X07B03X07B04X07B05 07C   07A01 07A05
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25TOR SHEAR PLATE SCREWS        10 2T2 5            T 2  10
12A01X12A02X
26REL SHEAR PLATE FROM QAS       2 1T2 1 2          T 2   1 9   1
07A03X07A01X07A05 07B   07C
26SEC SHEAR PLATE IN QAS         3 1T2         17 26T26   3
00000
27INST MOD BACK SCREWS          15 2T2 5       17 24I 1   8 2   7
07B00W07C   07A05 07A01
28MAIE.ATT CONT HARN            15 2T2 1 2 5        T 1   5 2   511   5
07C02X07C01 07C03 07B   07A05 07A01
29SEC SHEAR PLATE SUBASSY       15  T2 1 2 5  17 26T 1   8 2   7
07A03X07A01
30INST THERMO                   15  T2 5       17 15I 1   5 2   512   5
11A04X12A03X03B18X03B14X03B19X03B21X05A03X06A02X06A04X07A04X08A02X09A03X10A02X
31INST HEAT ON A/C JETS         15  T2 1 2           I 1   8 2   7
13A03X13A04X13A05X13A11X13A12X13A13X
32SEC IN TENT                  900  T2         17 31T17 900
00000
STAGE   3 SPACE SIMULATION TEST
TASK 01  DAY 088   9/12/68
 1PREP THERMO                   10  T2 5            T 1   3 2   312   4
11A04X12A03X03B18X03B14X03B19X03B21X05A03X06A02X06A04X07A04X08A02X09A03X10A02X
 2REM CASE 8                    20 2T2 1 2          T 1   7 2   7 5   6
12A01 12B01 12C
 3REM CLOCK AXIS                 5 1T2 1 2          R 2   3 1   2
03B04X01A02
 4REM CONE AXIS                  5 1T2 1 2          R 2   3 1   2
03B05X03A   03B   15A04 01A04
 5RETIE ATT HARN                 5 2T2 1 2          I 1   2 2   111   114   1
07C02X07C01 07C03 07B   07A05 07A01
 6VERIFY TORQUE CASE 8          15 1T2 5       1  2T 1   8 2   7
12A01X
 7TORQUE A/C GAS SYSTEM         10 1T2 1 2 5        I 1   5 2   5
13A01X05A01
 8INST CASE 8                    5 2T2         1  6I 1   3 2   2
12A01 12B01 12C
 9INST CLAMPS ON ATT CONT        3 2T2 1 2 5   1  5I 1   1 2   114   1
07C02X07C01 07C03 07B   07A05 07A01
10REM CASE 3                     2 2T2 1 2          R 2   1 1   1
07A01 07A05 07A03 07B   07C
11INSP WIRING HARNESS           10  T2111213        T 2   5 8   5
15A01X15A02 15A03 15A05 15A06 01A02
12TORQUE CASE 6 CONN            33  T2 1 2 5        I 1  17 2  16
10B00W10C01W10C02 10C03 10C04 10A01
13TORQUE CASE 6 MODS            34 2T2 1 2 5        I 1  17 2  17
10B00W10C01W10C02 10C03 10C04 10A01
14TILT S/C                       3 1T2              T16   3
00000
15REM SIT                        5 1T2 1 2          R 2   3 1   2
01B05X12B06X12A01
16REM BATT                      15 2T2 1 2          R 2   8 1   7
12B06X12A01
17CLEAN CABL + LLP              30 2T2              T27  30
00000
18TORQUE CASE 6 CONN             2 1T2 5       1 13I 2   2
10C00W
19REM PROP SYS                  34 1T2 1 2 4 6      R 1  10 2  10 5   411  10
06A00W06B00W06C00W06D00W
20CABLE CASE 3                  34 2T2 1 2          T 1  10 2  1011  1025   4
07A00W07B00W07C00W
21REL L/G SHORT DAMPER          15 1T2              T25  15
00000
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22REL L/G LOWER DAMPER          20 1T2              T25  20
00000
23INST DAMPER BRACK              8 2T2 1 2          I 1   4 2   4
01A02 02A01
24REL SUPER STRUCT ASSY         15 1T2              T25  15
00000
25TORQUE CABLES ON S/C          30 2T2 512          I 1  10 2  1014  10
04B04X04B05X05B06X05B07X
26INST SUPER STRUCTURE           5 3T2 1 2 5   1 24I 1   3 2   2
02C01X02A01
27TORQUE SUPER STRUCTURE        30 1T2 5       1 26I 2  30
02C01X02A01
28INST L/G SHORT DAMPER         15 2T2 1 2     1 21I 1   8 2   7
02A03X02A02 02A01 02B   02C01
29REM SUPER STRUCTURE           20 3T2 1 2     1 27R 2  10 1  10
02C01X02A01
30REP A/C GAS ASSY               5 4T2 1 2     1  7X 1   3 2   2
13A09X
31REINST SUPER STRUCTURE         5 3T2 1 2 5   1 29I 1   3 2   2
02C01X02A01
32INST L/G LOWER DAMPER          5 2T2 1 2 5   1 22I 1   3 2   2
02A04X02A03 02A02 02A01 02B   02C01
33TORQUE L/G  SHORT DAMPER       5 1T2 5       1 28I 2   5
02A03X02A04 02A02 02A01 02B   02C01
34INST CASE 3                    5 2T2 1 2 5   1 20I 1   3 2   2
07A   07B   07C
35REL GYRO CONT FROM QAS         5 1T2              T25   5
00000
36INST GYRO CONT                 5 2T2 1 2 5   1 35I 1   3 2   2
07B06X07B   07C   07A05 07A01
37INST SIT                      40 2T2 1 2     1 15I 1  20 2  20
01B05X
38REM L/G ANT ASSY              25 3T2 1 2 5       R 1  10 2  1026   5
02A01X02A02 02A03 02A04 02B   02C01 01A02
39REM CASE 5                    20 2T2 1 2 5       R 2   8 1   8 5   4
09A01X09B00W09C
40SECUPE IN TENT               882  T2              T19 882
00000
TASK 02  DAY 089   9/13/69
 1REM OSE CABLES FROM S/C       30 2T2             R 1  30
01A01X
 2INST CASE 6                   45 2T  1 2 5   1 18I 1  23 2  22
10A01X10B   10C
 3REM CLOTH FROM SCAN PLAT      15 2T2             R 1  15
03A
 4TORQUE CASE 6                 40 2T2         2  2I 2  40
10A01 10C00W10B   15A04
 5REM CLOTH FROM SUPER ST       20 2T2         1 31R 1  20
03A
 6REROUT MARS GATE CABLE         5 2T2 1 212       T 1   1 2   111   114   2
15B  X03B01X03B   03A
 7REL HARD FROM QAS              5 1T2              T25   5
00000
 8INST SHEARPLATE                5 2T2 1 2         I 1   3 2   2
07A03X07A01
 9SEC SCAN PLAT                 10 2T2         1  3T 1  10
03A01 03B
10TORQUE GYRO CONTROL           10 1T2 5       1 36I 2  10
07B06X07A05 07A01
11REL PRIM SS                    1 1T2              T25   1
00000
12REL SCAN PLAT STRUCT ASS      29 1T2              T25  29
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00000
13INST PRIM SS                  15 1T2 1 2     2 11I 1   8 2   7
13B01X
14VERIFY TORQUE CASE 3           5 1T2 5           T 2   5
07A01X07A03X
15INST SHEAR PLATE XDUC         10 2T2 1 2         I 1   3 2   312   4
07A04X07A03 07A01
16INST CONE AXIS                65 2T2 1 2     1  4I 1  33 2  32
03B05X03B   03A01 01A02 15A04
17INST CLOCK AXIS                4 2T2 1 2     1  3I 1   2 2   2
03B04X01A02
18TORQUE SCAN HARN CLAMP        10 2T2 1 2 5   2 12I 1   5 2   5
05C04X15B
19TORQUE CONNECTORS             22 2T2 5       2 18I 2  22
05C04X15B
20INST CABLE CLAMPS             13 2T2 1 2         I 1   7 2   6
05C04X15B
21INST THERMOCOUPLES            15 2T2 1 5         I 1   5 2   512   5
05A03X07A04X08A03X09A03X10A02X11A00W12A03X
22INST LOUV ON S/C              15 2T2 1 2 5   2  7I 1   8 2   7
08A02X08A01 08A03
23TORQUE LOUV/CLOCK/CONE        15 1T2 5       2 22I 2  15
08A02X08A01 08A03 03B04X03B05X
24REM MONO TEL FROM S/C         25 3T2 1 2 4 5     R 2  12 1  13
03B16X03B15 03B17 03B18 03B19 03B   03A   01A02 15A04
25REM PURGE FROM IRS            60 2T2 4 6         R 2  20 1  2011  20
03B16X03B15 03B17 03B18 03B19 03B   03A   01A02 15A04
26INST LOUVER COVER             15 1T2 1           I 1   8 2   7
08A03 08A02
27PREP TO LOWER S/C TO PIT       5  H2             T27   5
00000
28TILT S/C                       2 1H2             T16   2
00000
29COVER S/C                      2 4H2         2 28T29   2
01A01
30TILT S/C                       5 1H2         2 28T16   5
00000
31HOOK UP CRANE TO S/C           5 3H2 4 6     2 30T 1   2 2   2 3   1
01A01
32LIFT S/C OFF POSITIONER        7 4H2         2 31T 3   7
01A01
33MOUNT S/C ON RING             18 4H2 4 6     2 32T 1   6 2   616   6
01A01
34HOOK UP IRS MOVE TO PIT        5 3P2 4 6         I 1   1 2   110   128   2
03B17X03B   01A01
35CK PRESSURE ON IRS            45 1P2         2 34T10  45
00000
36PURGE IRS VENT                 5 1P2         2 35T10   5
00000
37PURGE IRS STRUCT              20 1P2         2 36T10  20
00000
38PRESS IRS STRUCT              20 1P2         2 37T10  20
00000
39PRESS IRS VENT                20 1P2         2 36T10  20
00000
40INST THERMO ON IRS STRUC      10 2P2 1 5     2 38I 1   3 2   312   4
03B18X03B19X03B
41INST THERMO ON IRS VENT       10 2P2 1 5     2 39I 1   3 2   312   4
03B18X03B19X03B
42INST SAFE PLATE CASE 7        74 2P2 1 2         I 1  38 2  37
11A01X11A03 11A04
43PRESS COMPLETE ON IRS ST       2  P2         2 38T27   2
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00000
44PRESS COMPLETE ON IRS VT      3 1P2          2 39T27   3
00000
45STABLIZE S/C GAS SYSTEM      55 1P2          2 38T27  55
00000
46SECURE IN PIT               622  P2          2 45T20 622
00000
TASK 03  DAY 090   9/14/68
 1SECURE IN PIT              1440  P2          2 46T201440


TASK 04  DAY 091   9/15/68
 1SECURE IN PIT              1397  P2          3  1T201397
00000
 2REM HIGH PRESS LINE           6 2P2 4 6          R 2   3 1   3
00000
 3REM COV MOVE FROM PIT         7 4P2 4 6          R 1   2 2   2 3   3
01A01
 4REM S/C ROLLER CASTER        10 4H2 4 6          R 2   5 1   5
01A02
 5INST S/C ON POSITIONER       20 4H2 4 6      4  1I 1   7 2   7 3   6
01A01
TASK 05  DAY 092   9/16/68
 1INST S/C ON POSITIONER       15  H2 4 6      4  5I 1   5 2   5 3   5
01A01
 2TORQ FASTENERS                1 2H2 5        5  1I 2   1
00000
 3REM S/C PLASTIC COVER        14 2H2          2 28R29  14
01A01
 4INST SCAN BRACKETS           30 2T2 1 2      2  9I 1  15 2  15
03A
 5INST CASE 5                  15 2T2 1 2      1 39I 1   8 2   7
09A   09B   09C
 6INST SCAN HARN CLAMPS         5 2T2 1 2 5        I 1   2 2   214   1
05C04X05C   05B
 7CLEAN SOLAR PANEL            10 2T2              T 6  10
04A02X
 8TIE COAX ON S/C              30  T2 2 6          I 1  10 2  1014  10
02C04X02C03
 9TORQUE CASE 5 SCREWS         45  T2 5        2 26I 1  15 2  30
09A
10TURN POWER ON                65  T2             T27  65
00000
11TURN POWER OFF               85  T2          5 10T27  85
00000
12TURN POWER ON                65  T2          5 11T27  65
00000
13REM SHEAR PLATE               5 1T2 1 2      2 14R 2   2 1   226   1
07A03X07A01 07A04
14PREP HIGH GAIN ANTENNA       15 1T2              T 1   8 9   7
02C01X
15INST HIGH GAIN ANTENNA       10 3T2 1 2      5 14I 1   5 2   5
02C01X02C02X02C03X02C04X
16PREP LOW GAIN ANTENNA         7 1T2              T 1   4 9   3
02A01X
17INST LOW GAIN ANTENNA         8 3T2 1 2      5 16I 1   4 2   4
02A01X02A02X02A03X02A04X
18REM CLOCK ACTUATOR            5 2T2 1 2      2 17R 2   3 1   2
03B04X
19INST PTM CLOCK MODS          30 2T2              I27  30
15A01 15A02 15A03 15A04
20POTTED TEMP XDUCS            45 2T2 5            I 1  15 2  1512  15
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05A03X05A01 11A04X11A01
21SECURE IN TENT                935  T2          5 20T17 935
00000
TASK 06  DAY 093   9/17/68
 1SECURE IN TENT                 30  T2          5 21T17  30
00000
 2INST THERMAL COVER             35 1T2 1 2 5       I 1  20 2  15
03B03X03B   03A
 3INST COAX TO ANT PROBE         55 2T2 1 2     5  8I 1  20 2  2014  15
15A04X02C04X01A02
 4TORQUE COAX                    15 1T2 5       6  3I 2  15
15A04X02C04X01A02
 5REL THERMAL BLANKET GAS         5 1T2             T25   5
00000
 6INST THERMAL BLANKET          145 3T2 1 2 5   6  5I 1  73 2  72
14A01X14A02X14A03X01A01001B00003A   03B   05A00005B00005C00006A00006B00006C000
 6OCCLUDE AREA OF ZONES                            M
06D00007A00007B00007C00008A00008B00008C00009A00009B00009C00010A00010B00010C000
 6OCCLUDE AREA OF ZONES                            M
11A00011B00011C00012A00012B00012C00013A00013B00015A00015B00014A000
 7INST LOUVER BAY 5              10 2T2 1 2 5       I 1   5 2   5
09A02
 8CK A/C GAS VALVES              35 1T2             T10  35
13A01 13A09
 9INST MOTION SEN CLAMP          30 1T2 1 2     5  4I 1  15 2  15
01B02X03A
10REL WIDE ANG TV CAMERA          1 1T2             T25   1
00000
11REL NARR ANG TV CAMERA          1 1T2             T25   1
00000
12REL TV POWER SUPPLY             1 1T2             T25   1
00000
13REL TV DATA CONV                1 1T2             T25   1
00000
14REL TV CAMERA DRIVERS           1 1T2             T25   1

15REL TV CONTROL ASSY             1  T2             T25   1
00000
16INST WIDE ANG TV CAMERA       34 2T2 1 2 5   6 10I 1  17 2  17
03B10X03B   03A
17INST NARR ANG TV CAMERA       15 2T2 1 2 5   6 11I 1   8 2   7
03B12X03B   03A
18INST TV POWER SUPPLY           5 1T2 1 2 5   6 12I 1   3 2   2
11B05X11A01 11C   11B01 11B02 11B03 11B04
19INST TV DATA CONV              5 1T2 1 2 5   6 13I 1   3 2   2
11B06X11A01 11C   11B01 11B02 11B03 11B04 11B05
20INST TV CAMERA DRIVERS         5 1T2 1 2 5   6 14I 1   3 2   2
11B07X11A01 11C   11B01 11B02 11B03 11B04 11B05 11B06
21INST TV CONTROL ASSY           5 1T2 1 2 5   6 15I 1   3 2   2
11B08X11A01 11C   11B
22INST SUPPORT BRACKETS         15 3T2 1 4 6       I 1   5 2   515   5
03B12 03B10 03B   03A
23INST AB STIMULUS               5  T2 1 4 6       I 1   2 2   215   1
03B12 03B10 03B   03A
24REM NARR ANG TV COVER         15  T2          6 17R27  15
00000
25TURN POWER ON                 20  T2          5 12T27  20
00000
26TURN POWER OFF                 9  T2          6 25T27   9
00000
27TURN POWER ON/OFF            113  T2          6 26T27 113
00000
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28SECURE IN TENT              828  T2          6 27T17 828
00000

TASK 07  DAY 094   9/18/68
 1TEST IRR POWER ON           210  T2              T27 210
00000
 2REL IRR ASSY FROM OAS       135  T2              T25 135
00000
 3MATE IRR                    105  T2          7  2T27 105
00000
 4DEMATE IRR                   90  T2          7  3T27  90
00000
 5TURN POWER OFF                7  T2          7  1T27   7
00000
 6INST NARR ANG TV COVER        8 1T2         6 24I 1   8
03B12X
 7REM OSE SCI PLAT             45 3T2 4 6         R 2  15 1  1515  15
03A   03B   15A04 01A02
 8INST HEATERS                  5 1T2             I27   5
00000
 9INST HEATERS TO IRS           5 1T2 1 2     6  9I 1   3 2   2
11C04X11C   03A
10INST THERMOCOUPLE HARN       80 2T2 1 5         I 1  30 2  3014  20
03B21X03B   03A
11INST HEATER HARN             10 2T2 1 5         I 1   4 2   414   2
11C04X11C
12INST TC SHIELD                2 3T2 1 2 5       I 1   1 2   1
14A33 14A34 14A35 14A36
13HOOK THERMOCOUPLE LEADS       2 2T2             I 1   2
03B07X03B09X03B11X03B13X03B14X03B18X03B19X03B22X
14STOP HOOKING TC LEADS        13  T2          7  1T27  13
00000
15SEC LOOSE TC WIRES          125 2T2          7 13T 1 125
03B07X03B09X03B11X03B12X03B14X03B18X03B19X03B22X
16TORQ SCAN HEAT               15 1T2 5           I 1   5 2  10
11C04X03A   03B
17INST LOWER CLOCK TUBE HT     10  T2 1 2         I 1   5 2   5
03B04X03B   03A
18INST UP OCTAGON HEATERS     105  T2 1 2         I 1  53 2  52
01A02
19SECURE IN TENT              468  T2             T17 468

TASK 08  DAY 095   9/19/68
 1INST TC CONNS                30 2T2 1 5     7 13I 1  10 2  1012  10
05A03X06A02X06A04X07A04X08A03X09A03X10A02X11A04X12A03X
 2REL SHEAR PLATE              90 1T2             T25  90
00000
 3PREP TC                      15 2T2          8  1T 1   6 2   612   3
05A03X06A02X06A04X07A04X08A03X09A03X10A02X11A04X12A03X
 4INST HEATER JUMPER            5 2T2             I27   5
00000
 5REM SUN GATE STIMULUS        40 1T2 1 2         R 2  20 1  20
13B07X
 6REL TCFM 1                    4 1T2             T25   4
00000
 7REL TCFM 2                    4 1T2             T25   4
00000
 8REL TCFM SENSOR               6 1T2             T25   6
00000
 9REM PROTECTIVE COVER          1 1T2             R 1   1
03B17X
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10INST TCFM SENSOR              15  T2 1 2      8  8I 1   8 2   7
02B01X02B02 02A
11REL TCFM INTER CONN HARN      25 1T2              T25  25
00000
12INST SUN GATE DETECTOR        13 2T2 1 213    8  5I 1   5 2   5 8   3
13B07X01A02
13INST TCFM 1                    5 1T2 1 2 5    8  6I 1   3 2   2
05B08X05B   05A01 05C
14INST TCFM 2                   10 1T2 1 2 5    8  7I 1   5 2   5
05B09X05B   05A01 05C
15REL CC+S POWER                 7 1T2              T25   7
00000
16TORQUE MOD + RATE CON AY      25 2T2 1 2 5       I 2  12 1  13
08B11X08B   08A   08C
17INST CC+S POWER SUPPLY         5 2T2 1 2 5    8 15I 1   3 2   2
07B01X07B   07C   07A05 07A01
18REL SHEAR PLATE               11 1T2              T25  11
00000
19TORQUE TCFM HARN              29 1T2 1 2      8 13T 1  10 2  1014   9
05C03X05C   05B   05A01
20TORQUE SHEAR PLATE             1 1T2 5        8 18T 2   1
07A03X07A04 07A01
21INST CASE 7 COVER PLATE       44 1T2 1 2          I 1  22 2  22
11A03 11A04 11A01
22INST A/C MANIF                 7 2T2 4 6      7  9I 1   3 2   4
13A01X
23INST A/C VENT                  8 2T2 4 6      8 22I 1   4 2   4
13A09
24CLOSE WIDE ANG TV COVER       15 1T2          6 16T 1  15
03B10X
25VERIFY CASE 1                  1 2T2              T 9   1
00000
26VERIFY CASE 2                  1 2T2              T 9   1
00000
27VERIFY CASE 3                  1 2T2          5 13T 9   1
00000
28VERIFY CASE 4                  1 2T2          5  9T 9   1
00000
29VERIFY CASE 5                  1 2T2          6  7T 9   1
00000
30VERIFY CASE 6                  1 2T2          2  4T 9   1
00000
31INST GAS SYS BRACKETS          9 2T2 1 4 6    6  8I 1   5 2   4
13A02X13A10X
32INST A/C ASSY FOR TEST        15 2T2 4 6      8 22I 1   8 2   7
13A01X13A09X
33REM TAPE FROM LOW GAIN         3 1T2          5 17R 1   1 6   2
02A00W
34PREP S/C FOR ETL              20 2T2          8 30T27  20
00000
35REL LOUVER 1 FROM QAS         25 1T2              T25  25
00000
36REL LOUVER 7 FROM QAS         25 1T2              T25  25
00000
37REL LOUVER 8 FROM QAS         20 1T2              T25  20
00000
38INST SCREWS CASE 7             7 2T2 1 2      8 21I 1   4 2   3
01A01X01A03X01A04
39TORQUE CASE 7                  3 1T2 1 2 5    8 38I 1   1 2   2
01A01X01A03X01A04
40REM CASE 7 GUIDE PINS         20 2T211        8 39R ?  10 1  10
01A01X01A03X01A04
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41INST LOUVER 1                 45 2T2 1 2 5   8 35I 1  23 2  22
05A02X05A01 05A03
42INST SHEAR PLATE 7            10 2T2 1 2 5   8 20I 1   5 2   5
11A03X11A04 11A01
43INST BATT                      5 2T2 1 2 5       I 1   3 2   2
12B06X12A01 12A03
44INST CASE 7 CLOSURE FAST      15 1T2I2 5      8 42I 1   8 2   7
11A03X11A04 11A01
45INST LOUVER 7                 30 2T2 1 2 5   8 36I 1  15 2  15
11A02X11A03 11A04
46INST CASE 7 CABLE STDOFF      95 1T2 1 2 5   8 45I 1  48 2  47
12C01X
47INST PROT COVER CASE 1        15 1T2 1 2      8 41I 1   8 2   7
05A02X
48INST PROT COVER CASE 7        15 1T2 1 2      8 45I 1   8 2   7
11A02X
49INST PROT COVER CASE 8        15 1T2 1 2      8 37I 1   8 2   7
12A02X
50INST SP CRUISE DAMPER          5 2T2 2 4          I 1   3 2   2
04B03X01A02
51DRILL HOLES IN PLUMB SYS      10 2T2 7           I 1   2 2   4 4   4
00000
52REL PROP SYS ASSY             15 1T2             T25  15
00000
53INST PROP SYS                 30 3T2 1 2 4 6 8 52I 1  10 2  10 9  10
06A00W06B00W06C00W06D00W
54INST CRUISE DAMP BAY 1         5 2T2 2 4          I 1   3 2   2
04B03X01A02
55INST THERMAL SHIELD           30 2T2 1 5         I 1  15 2  15
06D03X06A06
56INST CANOPUS SENSOR            5 2T2 1 2 5       I 1   3 2   2
13B08X13B09X13B10X13B11X
57INST SP CRUISE DAMPER         30 2T2 2 4         I 1  15 2  15
04B03X01A02
58TORQUE SP CRUISE DAMPER        5 1T2 5       8 57I 1   2 2   3
04B03X01A02
59REM SUN SENSOR HOOD            5 1T2 1           R 2   2 1   3
13B04X
60INST CLOCK TUBE COVER         10 1T2 1 2      7 16I 1   5 2   5
03B04X
61TORQUE SIT                    25 1T2 5       1 37I 1  12 2  13
01B05X12B06X
62INST SCAN LOUV BRACKET        30 2T2 1 2         I 1  15 2  15
03A02X03A   03B
63INST UV SPECTROMETER          10 2T2 1 2 5       I 1   5 2   5
03B08X03A   03B
64SECURE IN TENT               412  T2             T17 412
00000

TASK 09  DAY 096   9/20/68
 1SECURE IN TENT                40  T2          8 64T18  40
00000
 2DEMATE PYRO ARMING SWITC       5 1T2             I 1   311   2
01B06X
 3ADJ PYRO ARMING SWITCH        30 1T2 1 2      9  2T 1  15 2  15
01B06X
 4TERMINATE ADJ                 49 1T2 1 2      9  3T 1  25 2  24
01B06X
 5INST THERMOCOUPLE              2 2T2             I 1   2
05A03X06A02X06A04X
 6REL MONO TEL FROM OAS          5 1T2             T25   5
00000
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 7INST HEATERS ON MONO TEL     20 2T2 1        9  6I 1  10 2  10
03B19X03B18X03B16 03B17
 8INST MONO TEL                10 2T2 1 2 5    9  7I 1   5 2   5
03B16X03B   03A
 9MATE CONN TO MONO TEL        25 2T2 6        9  8I 1   8 2   811   9
05C04X15B   03A   03B
10INST THERMAL BRACKET          5 2T2 1 2 4       I 1   3 2   2
14A56X14A03X
11REM WIDE ANG TV CAMERA      105 2T2 1 2      8 24R 2  53 1  52
03B10X03B   03A
12INST SCAN LINE                5 1T2 1 2         I 1   3 2   2
03B15X
13INST SCAN LATCH BRACKET       5 1T2 1 2         I 1   3 2   2
01B01 01A20 01A19
14STOW STRUCTURE ASSY          20 2T2          5  6T 1  10 9  10
01A19 01A20 01B01 03A   03B
15TORQUE STRUCTURE ASSY        30 1T2 1 2 5    9 14I 1  15 2  15
01A19 01A20 01B01 03A   03B
16PRESS STRUCTURE ASSY         30 1T2          9 15T27  30
00000
17CK STRUCTURE ASSY             1  T2          9 16T 9   1
00000
18TORQUE STRUCTURE ASSY        24  T2 1 2 5    9 17I 1  12 2  12
01A19 01A20 01B01 03A   03B
19DEMATE S/C                   35  T2          5  1T27  35
00000
20PREP TO MOVE TENT            15 4T2              T27  15
00000
21SECURE POSITIONER             1 1H2 4 6      5  1T15   1
00000
22INST CLAM SHELL TO S/C        4 4H2 4 6         I 1   1 2   1 3   129   1
01A01X
23BOLT S/C TO POSITIONER       30 2H2 4 6      9 21I 1  10 2  1016  10
01A01X
24PLACE S/C ON CART            10 4H2          9 23T13   516   5
01A01X
25INST LIFTING BARS TO S/C      5 2H2 1 2 5    9 24I 1   3 2   2
01A01
26TORQUE CLAM SHELL             2 2H2 5        9 22I27   2
00000
27INST FRAME SPACER             3 2H2 1 2 5       I 1   2 2   1
00000
28TORQUE CLAM SHELL            30 2N5 5        9 26I27  30
00000
29REL THERMAL BLANKETS         20 1N5              T13  20
00000
30TRANSPORT S/C TO SOL SIM     30  N5          9 29T21  30
00000
31REM CLAM SHELL               14 4S2 4 6      9 30R 2   2 1   229  10
01A01
32REM S/C FROM CART            64 4S2          9 31R 1  22 3  2116  21
01A01
33MATE S/C TO END BELL          4 4S2 1 2 4 6  9 32T 1   1 2   116   2
01A01
34ROLL BELL UNDER CHAMBER     144 4S2          9 33T16 144
01A01
35REM HOLDING FRAMES           24 2S2          9 34R27  24
00000
36INST SP ON BAY 7             27 2S2 1 2      9 35I 1  14 2  13
13A01 13A09 01A01
37INST SP ON BAY 5              5 2S2 1 2      9 35I1    3 2   2
13A01 13A09 01A01
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38REM BAY 7 GAS SYS            25 2S2 1 2     9 35R 2  13 1  12
13A01 13A09 01A01
39REM BAYS  GAS SYS            30 2S2 1 2     9 35R 2  15 1  15
13A01 13A09 01A01
40INST SP ON BAY 3             24 2S2 1 2     9 35I 1  12 2  12
13A01 13A09 01A01
41INST SP ON BAY 1              8 2S2 1 2     9 35I 1   4 2   4
13A01 13A09 01A01
42CONN TC TO SOLAR PANELS      39 2S2         9 41I27  39
00000
43SECURE IN CHAMBER           436  S2        9 42T19 436
00000

TASK 10  DAY 097   9/21/68
 1CABLE-UP S/C                 30 3S2        9 43I27  30
00000
 2INST IRS GAS ASSY OSE         3 3S2        8  9I27   3
00000
 3INST IRS VENT OSE             3 2S2        2 44I27   3
00000
 4CK TC OSE                     3 2S2        9 42T27   3
00000
 5CK SWITCHES OSE              22 2S2       10  3T27  22
00000
 6TERM CHECKOUT OSE            30 2S2       10  5T27  30
00000
 7CK HEATERS OSE               47 2S2       10  6T27  47
00000
 8INST SUN SENSOR STIMULUS     20 1S2 1 2        I 1  10 2  10
13B05X
 9REM SUN SENSOR HOODS        120 1S2 1          R 2  60 1  60
13B03X13B04X13B05X13B06X
10INST IRS GAS STORAGE          1 2S2           I 1   1
03B15X-
11INST TC ON MONO TEL          57 2S2 1 2     9  9I 1  19 2  1912  19
03B18X03B19X03B17 03B16 03B   03A
12REGASKET IRS GAS ASSY        60 2S2 4 6    10  2I 1  20 2  2011  20
03B17X03B15X03B   03A
13INST WIDE ANG TV CAMERA      30 2S2 1 2     9 11I 1  15 2  15
03B10X03B   03A
14INST SQUIB VALVE              1 2S2 1 4 6       I 2   1
03B24X03B25X03A   03B
15TORQUE IRS VENT ASSY         14 2S2 5      10  3I 1   7 2   7
03B17X03B16X03A   03B
16CK SCAN SQUIBS                9 1S2       10 14T27   9
00000
17REPRESS GAS SYS              16 1S2        9 16T11   827   8
00000
18COMPLETE PRESS GAS SYS       14 1S2       10 17T10   727   7
00000
19INST IRS THERM PROBE          8 1S2 1 2   10  2I 1   4 2   4
11C04X
20TORQUE IRS GAS ASSY          10 1S2 5     10 19T 2  10
03B15X03B16X03B17X03B   03A
21INST HEATER ON MONO TEL       4 2S2 1 2   10 11I 1   2 2   2
03B15X03B16X03B17X03B   03A
22TORQUE WIDE ANG TV            7 2S2 1 2 5 10 13I 1   3 2   327   1
03B10X03B11X03B   03A
23MATE CONN TO WIDE ANG TV      3 1S2       10 22T11   3
03B10X03B11X03B   03A   158   05C04
24INST UVS STIMULUS             6 1S2 1     10 23I 1   315   3
03B08X03B09 03B
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25TORQUE MONO TELE FAST          7 1S2 5       10 23I 2   7
03B15X03B16X03B17X03B   03A
26INST SCI STIM PLAT            55 3S2 1 4 6   7  7I 1  20 2  2015  15
03B
27MATE PAS CONNECTORS           53 1S2             T11  53
01B06X01A02
28INST TC BRACKETS               8 3S2 1 2 4 6 9 29I 1   4 2   4
14A19X14A20X14A21X14A22X14A23X14A24X14A25X14A26X14A27X14A28X14A29X14A30X
29REM PS COVER                   5 1S2          8 53R 1   5
06B03X06B04X06C03X
30REM IRS COVERS                 4 1S2         10 20R 1   4
03B15X03B16X03B17X
31INST TCM BLANKETS              8 3S2 1 2     10 28I 1   4 2   4
14A01X
32INST TOP TCM BLANKET           4 3S2 1 2     10 31I 1   2 2   2
14A01X01A02
33WIRE CANOPUS SENSOR           31 2S21113          T 1  10 2  11 8  10
13B08X13B09X13B10X13B07X
34MATE UVS ASSY                 10 2S2 5        8 63T 1   3 2   311   4
03B08 03B09 05C03 05C04
35REM IRR STIMULUS              10 1S2          7  4R75  10
03B06X03B07X
36LOOSEN SCAN HARNESS           88  S2 1 212   9 16T 1  22 2  2211  2214  22
05C04X05B   05A   14A03
37MOVE SCAN HARNESS            117 3S2 1 212  10 36T 2  59 1  58
05C04X05B   05A   14A03
38INST TC CHANNELS               4 3S2 1 2 5  10 31I 1   2 2   2
14A14X14A15X14A16X14A17X14A18X14A07X14A08X14A09X14A10X14A11X14A12X14A13X
39INST PAS FIX                   4 1S2 1 2      9  3I 1   2 2   2
01B06X
40ADJ BAY 7 SHEAR PLATE          2 2S2 1 2 5   8 42T 1   1 2   1
11A03X11A04 11A01
41SECURE IN SIMULATOR          512  S2        10 40T19 512
00000
TASK 11  DAY 098   9/22/68
 1SECURE IN SIMULATOR           24  S2        10 41T19  24
00000
 2CK GAS LEAK TEST              24 2S2        10 18T10  24
00000
 3OPEN THERM BLANKETS            8 1S2 1 2    10 28T 1   4 2   4
14A01X
 4AC LEAK CHECK                  2 1S2        11  2T10   2
13A01 13A09 14A01 01A01
 5AC LEAK CHECK                 19 1S2        11  4T10  19
13A01 13A09 14A01 01A01
 6OPEN VALVES ON A/C             9 2S2        10 30T11   511   4
13A01 13A09 14A01 01A01
 7CK A/C LEAK                    9 2S2        11  6T10   511   4
13A01 13A09 14A01 01A01
 8EXHAUST LEAK                  24 2S2        11  7T10  1211  12
13A01 13A09 14A01 01A01
 9EXHAUST LEAK                  24 2S2        11  6T10  1211  12
13A01 13A09 14A01 01A01
10TERMINATE A/C LEAK            32 2S2        11  9T10  1611  16
13A01 13A09 14A01 01A01
11CLOSE A/C VALVES               1 2S2        11  8T10   1
13A01 13A09 14A01 01A01
12OPEN A/C VALVES    SYS         1 2S2        11  9T10   1
13A01 13A09 14A01 01A01
13INST SUN SENSOR HOCD          45 1S2 1 .    10  9I 1  23 2  22
13B03X13B04X13B05X13B06X
14SECURE IN SIMULATOR         1158  S2        11 13T191158
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00000
15CK LEAK IRS                    1 2S2         11 10T10   1
03B15 03B16 03B17 03A
16INST SUN SENSOR OSE HOOD       4 1S2 1       11 13I 1   2 2   2
13B03 13B04 13B05 13B06
17INST IRS BELLOWS               5 2S2 1 2     11 15I 1   3 2   2
03B17X03B15X03B16X03B
18PUMP IRS ASSY                 20 1S2         11 17T27  20
00000
19REM NARR ANG TV COVER          5 1S2          6 17R 1   5
03B12X
20LEAK TEST IN PROGRESS         11 1S2         10 21T27  11
00000
21INST CONN TO S/C              14 1S2              I11  14
01B05X01B06X

TASK 12  DAY 099   9/23/68
 1ADJ WIDE ANG TV STIMULUS       1 1S2 1       10 22T 2   1
03B10X
 2REM DUST COVER FROM A/C        1 1S2         11  8R 1   1
13A14X13A15X
 3REM DUST COVER A/C VENT        1 1S2         11  9R 1   1
13A14X13A15X
 4REM TCFM COVER                16 1S2          8 10R 1  16
02B01X02B02X02A   14A01
 5LEAKING GAS IRS VENT          21 1S2         12  3T10  1127  10
00000
 6CLOSE VALVE ON A/C VENT        6 1S2         12  5T 1   311   3
13A01 13A09 14A01
 7IRS XDUC LEAK                 14 1S2         12  6T10  14
00000
 8REM UVS STIMULUS               8 1S2 1       10 34R 2   4 1   4
03B08X03B09X03B   03A   14A02 14A03
 9INST UVS STIMULUS              8 1S2 1       12  8I 1   4 2   4
03B08X03B09X03B   03A   14A02 14A03
10REM UVS DESICCANT              1 1S2         12  9R 1   1
03B08X03B09X03B   03A   14A02 14A03
11INST FOIL ON STIMULUS          9  S2         12  9I27   9
00000
12REPARE CANOPUS SEN CABLE       1 2S212       10 33T 2   1
13B08X13B09X
13LEAK IN IRS VENT               1 1S2         12  7T27   1
00000
14REM PYRO ARMING PIN           18 1S211       10 39R 2   9 1   9
01B06X
15INST NEEDLE VALVE              5 1S2 1 2 5        I 1   3 2   2
13A02X13A10X
16INST IRR STIMULUS              5 1S2 1       10 35I 1   3 2   2
03B06X03B07X03B   03A   14A02 14A03
17REPARE CANOPUS SEN WIRE        5 1S212       12 12T 2   5
13B08X13B09X
18LEAKING IRS ASSY               5 1S2         12 13T27   5
00000
19SEC GROUND STRAP               3 1S2 2       12 10R 1   1 2   127   1
00000
20TURN POWER ON                 43  S2          6 27T27  43
00000
21REM THERMAL BLANKETS           1 1S2 1 2 5   11  3R 2   1
13A01X13B02X14A01X05A00E05B00E05C00E06A00E06B00E06C00E06D00E07A00E07B00E07C00E
21REM THERMAL BLANKETS             1S2 1 2 5   11  3R 2
08A00E08B00E08C00E09A00E09B00E09C00E10A00E10B00E10C00E11A00E11B00E11C00E12A00E
21REM THERMAL BLANKETS             1S2 1 2 5   11  3R 2
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12B0CE12C00E13A00E15A00E01A00E01B00E
22INST STIM FOR WID ANG TV      1 1S2 1       10 23I 2   1
03B10X03B11X03B   03A   14A02 14A03
23LEAKING IRS ASSY              1 1S2         12 18T27   1
00000
24INST SCAN VENT                7 2S2 1 2     10 36I 1   4 2   3
01B09X03AC2X03A01X03B   14A02 14A03
25CK IRS LEAK                   1 1S2         12 23T10   1
00000
26REM LOUVER BAY 8              1 1S2 1        8 49R 2   1
12A02X
27LEAK TEST IRS                 7 1S2         12 23T10   7
00000
28INST BOB CASE 7              36 1S2 1 2      9 36I 1  18 2  18
11A00W11B00W11C00W
29TEST PRESS XDUC IRS          42 1S2         12 27T10  42
00000
30INST TC OVER SUN SENSOR       1 1S2 1 2     11 16I 2   1
14A04X14A05X14A01
31REM LINE FROM IRS VENT       25 1S2 4 6     12 29R 2  12 1  13
03B15X03B17X03B   03A   14A02 14A03
32TORQUE IRS VENT ASSY         28 1S2 5       12 31I 1  14 2  14
03B15X03B17X03B   03A   14A02 14A03
33CK SQUIBS                     3 1S2         10 14T27   3
01B09X03B24X03B25X
34INST FILTER ON IRS VENT       4  S2         12 32I27   4
00000
35TURN POWER OFF               15  S2         12 20T27  15
00000
36TURN POWER ON                30  S2         12 35T27  30
00000
37TURN GYROS ON                15  S2         12 36T27  15
00000
38TURN GYROS OFF               75  S2         12 37T27  75
00000
39INST LN CABLE                55 1S2              I27  55
00000
40RAISE S/C TO CHAMBER         75 1S2              T16  75
01A01 14A01 14A02 14A03
41TURN POWER OFF               15  S2         12 36T27  15
00000
42TURN POWER ON                15  S2         12 41T27  15
00000
43REM IRS COVERS               15 1S2         12 32R 1  15
03B15X03B16X03B17X03A   03A   14A02 14A03
44CLOSE CHAMBER DOORS           8  S2          9 30T27   8
00000
45START PUMPS                  15 1N2         12 44T27  15
00000
46CLOSE BOTTOM OF CHAMBER      20 1N2         12 44T27  20
00000
47SECURE CRAFT IN CHAMBER     757  N2         12 46T19 757
00000
TASK 13  DAY 100   9/24/68
 1SECURE IN SIMULATOR        1440  N2         12 47T191440
00000
TASK 14  DAY 101   9/25/68
 1SECURE IN SIMULATOR        1440  N2         13  1T191440
00000
TASK 15  DAY 102   9/26/68
 1SECURE IN SIMULATOR        1440  N2         14  1T191440
00000
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TASK 16  DAY 103   9/27/68
 1SECURE IN SIMULATOR        1440  N2         15  1T191440
00000
TASK 17  DAY 104   9/28/68
 1SECURE IN SIMULATOR        1440  N2         16  1T191440
00000
TASK 18  DAY 105   9/29/68
 1SECURE IN SIMULATOR        1440  N2         17  1T191440
00000
TASK 19  DAY 106   9/30/68
 1SECURE IN SIMULATOR        1440  N2         18  1T191440
00000
TASK 20  DAY 107  10/01/68
 1SECURE IN SIMULATOR        1440  N2         19  1T191440
00000
TASK 21  DAY 108  10/02/68
 1SECURE IN SIMULATOR         140  N2         20  1T19 140
00000
 2REM SOLAR PANEL BRACKETS     11 2H2 1 2          R 2   6 1   5
04A01X04A02X04A03X04A04X
 3REWORK SOLAR PANEL PAINT      4 2H2         21  2T12   4
04A01X04A02X04A03X04A04X
 4REBOND BERYLIUM SPRINGS     150 2H2              T12 150
04A01X04A02X04A03X04A04X
 5SECURE IN SIMULATOR        1135  S2         21  4T191135
00000
TASK 22  DAY 109  10/03/68
 1SECURE IN SIMULATOR        1440  S2         21  5T191440
00000
TASK 23  DAY 110  10/04/68
 1OPEN CHAMBER DOOR            30  S2         12 44T27  30
00000
 2INST IRS BOTTLE COVERS       20 1S2              I 1  20
03B15X03B15X03B17X03B   03A   14A02 14A03
 3LOWER CHAMBER BELL           10  S2         23  1T27  10
00000
 4INST NARR ANG TV COVER       20 1S2         11 19I 1  20
03B12X03B13X03B   03A   14A02 14A03 13B03 13B04 13B05 13B06
 5REM IRR STIMULI              10 3S2 4 6     11 16R 2   3 1   315   4
03B   03A   14A02 14A03
 6REM SUP ST CORNER SHIELD      5 2S2 1 2          R 2   2 1   3
14A07X14A08X14A09X14A10X14A11X14A12X14A13X14A45 14A46 14A47
 7REM MONO TEL TC               6 1S2 1       10 11R 2   3 1   3
03B15X03B15X03B17X
 8INST BAY 4 COVERS             1 1S2 1 2          I 2   1
08A02X08A03 08A01
 9REM LINES FROM IRS ASSY       1 2S2 1 2 4 623  2R11   1
03B15X03B16X03B17X
10REM LINES FROM IRS VENT       1 2S2 1 2 4 612 32R11   1 1
03B15X03B16X03B17X
11INST ALL LOUVER COVERS        1 3S2          8 45I27   1
00000
12REM SUN GATE STIMULUS        10 1S2 1 2      8 12R 2   5 1   5
13B07X
13REM OSE HOODS                10 2S2 1 2          R 1   5 2   5
14A04X14A05X14A57X14A53X
14REM MONO TELE                15 2S2 1 2 5  23  7R 2   7 1   8
03B15X03B16X03B17X03B18X03B19X03B   03A   14A02 14A03
15CLEAN MONO TEL CAN           15 1S2         23 14T27  15
00000
16INST SHIELD ON IRS RAD       15 1S2         23  9I 1  15
03B17X
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17INST MONO TEL IN CAN          5 2S2         23 15I27   5
00000
18INST SHIELD ON UVS            2 1S2         10 34I 1   2
03A02X03B08X03B09X
19REM LINES A/C CAP/TORQ       25 2S2 4 5 6   6  8R 1  12 2  13
13A02X13A10X
20INST WIRE ON IRS CAN          5 1S2              I27   5
00000
21REM THERMAL BLANKETS          5 3S2 1 2 5  11  3R 2   2 1   3
14A01X01A01 02A01
22REM UVS STIMULUS             10 1S2 1 2    12  9R 2   5 1   5
03B08X03B09X03B   03A
23REM THERMAL BLANKETS          5 3S2 1 2 5  11  3R 2   2 1   3
03A02X14A03X15B00E
24REM SIT ACTUATOR             10 1S2 1 2     8 61R 2   5 1   5
01B05X
25REM PAS ACTUATOR              8 1S2 1 2    10 27R 2   4 1   4
01B06X
26REM THERM SHIELDS             7 2S2 1 2 5       R 2   4 1   3
14A14X14A15X14A16X14A17X14A18X14A19X14A20X14A21X14A22X14A23X14A24X
27REM BELLOWS IRS ASSY          5 1S2         12 32R27   5
00000
28REM LOWER THERMAL BLANK      45 3S2 1 2 5  10 28R 2  22 1  23
14A02X03A   03A   15A04 01A02 13B00E
29CAP SUN SENSORS               5 2S2         11 15T 1   5
13B01X13B02X13B04 13B05 13B06 13B03
30RECOCK SIT                    1 1S2          8 61I 1   1
01B05X
31REM SHIELD ON H/G ANTEN      24 1S2 1 2         R 2  12 1  12
14A44X
32REM IRR COVER /REPLACE        3  S2 1 2 5  23  5X 2   1 1   2
03B06X03B07X
33REM FAR ENCOUNTER HOOD        6 1S2 1           R 2   3 1   3
03B03X03B   03A
34INST FAR ENCOUNTER HOOD       6 1S2 1       23 33I 1   3 2   3
03B03X03B   03A
35INST IRR STIMULUS             5 1S2 1       10 35I 1   3 2   2
03B06X03B07X
36REM FAR ENCOUNTER HOOD       14 1S2 1       23 34R 2   7 1   7
03B03X03B   03A
37INST FAR ENCOUNTER HOOD       2 1S2 1       23 36I 1   1 2   1
03B03X03B   03A
38TORQUE FAR ENCOUNT HOOD       9 1S2 5       23 37I 2   9
03B03X03B   03A
39COVER MARS GATE              22 1S2              I 1  22
03B01X03B02X03B   03A   01A02 15A04
40REM CLOCK ACTUATOR            2 2S2 1 2     2 17R 2   1 1   1
03B04X02C   02A   02B   15A01 15A02 15A03
41INST CLOCK ACTUATOR           2 2S2 1 2    23 40I 1   1 2   1
03B04X02C   02A   02B   15A01 15A02 15A03
42REM CONE ACTUATOR             2 2S2 1 2     2 16R 2   1 1   1
03B05X03B   03A   15A04 01A02
43INST CONE ACTUATOR            3 2S2 1 2    23 43I 1   2 2   1
03B05X03B   03A   15A04 01A02
44REM CANOPUS SENSOR HOOD      30 1S2 1 2    10 33R 2  15 1  15
14A48X13B08X13B09 13B11
45INST BAFFLE ON CAN SEN       10 2S2 1 2    23 44I 1   5 2   5
13B10X14A48 13B08 13B09 13B11
46TORQUE BAFFLE                10 1S2 5      23 45I 2  10
13B10X14A48 13B08 13B09 13B11
47INST DUMMY SQUIB             15 1S2 1 2    12 33I 1   8 2   7
01B09X03A
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48CLOSE WIDE ANG TV COVER       1 1S2          12  1T 1   1
03B10X03B11X
49REM COVER ON NARR ANG TV     44 1S2          23  4R 1  44
03B12X03B13X03B   03A   01A02 15A04
50INST H/G LOWER CABLE         60 2S2 1 2 5       I 1  30 2  30
02C03X02C04X02C02 02C01 02A   01A02
51INST L/G CABLE               60 2S2 1 2 5       I 1  30 2  30
02A02X02A01 02A03 02A04 02B   02C
52SECURE IN SIMULATOR         802  S2             T19 802
00000
TASK 24  DAY 111  10/05/68
 1INST TC ON CDS               53 1S2 1 2        I 1  20 2  2012  13
13B10X13B08 13B09 13B11
 2ADJ WIRES ON BAY 8          120 1S212      12 26T 1  60 2  60
12A01X12A02X12A03
 3REL IRS VENT IN CHAMBER      12  S2         23 27T13  12
00000
 4MOUNT TC SUP A/C BOTTLES     10 1S2 1 2 4 6     T 1   5 2   5
13A01X13A02X13A09X13A10X
 5REL MONO TEL TO CHAMBER      20 1S2         23 17T27  20
00000
 6INST MONO TEL                25 3S2 1 2 4 S24  5I 1  13 2  12
15A04 03B10X01A02 03B18X03B19X03B   03A
 7REL IRS ASSY                 10 1S2         24  3T27  10
00000
 8INST IRS ASSY                15 3S2 1 2 5  24  7I 1   8 2   7
03B15X03B16X03B17X03B18X03B19X03B   03A   15A01 01A02
 9INST THERMOSHIELD            25 2S2 1 2 5       I 1  13 2  12
07A02X
10REM MONO TEL COVER           28 1S2 1 2    24  6R 2  14 1  14
03B16X03B   03A   01A02 15A04
11INST TC ON IRS ASSY          12 2S2 1      24  8I 1   4 2   412   4
03B18X03B   03A
12INST HEATER ON MONO TEL       5 2S2 1 2    24 10I 1   3 2   2
03B16X
13REM WIDE ANG TV              40 2S2 1 2    23 48R 2  20 1  20
03B10X03B   03A   01A02 15A04
14INST IRS ASSY SCREWS         10 2S2 1 2 5  24  8I 1   5 2   5
03B15X03B   03A
15INST THERM SHIELD            47 3S2 1 2 5       I 1  25 2  22
14A44X14A14X14A15X14A16X14A17X14A18X14A19X14A20X14A21X14A22X14A23X14A24X
16REL MAG SHIELD                3 1S2             T27   3
00000
17INST THERM CONT              15 2S2 1 2 5       I 1   8 2   7
14A04X14A05X14A49X14A50X14A51X14A52X
18INST MAG SHIELD ON WA TV     25 2S2 1 2 5  24 16I 1  13 2  12
03B10X03B11 03B   03A   01A02 15A04
19INST THERM CONT              11 2S2 1 2 5       I 1   6 2   5
14A07X14A08X14A09X14A10X14A11X14A12X14A13X14A45X14A46X14A47
20PEWORK MAG SHIELD             1 2S2 1 2 5  24 18T 2   1
03B10X03B11 03B   03A
21TORQUE CANOPUS SENSOR         3 1S2 5      10 33I 2   3
13B08X13B09 13B10 13B11
22CK LEAK IRS ASSY              1 1S2        24  8T27   1
00000
23CK LEAK IRS VENT              2 1S2        23 10T27   2
00000
24REM MAG SHIEL WIDE TV        14 2S2 1 2 5  24 18R 2   7 1   7
03B10X03B11X03B   03A
25INST MAG SHIEL WIDE TV        4 2S2 1 2 5  24 24I 1   2 2   2
03B10X03B11X03B   03A
26INST TEFLON TAPE WIDE TV     10  S2             I27  10
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03B10X
27INST WIDE ANG TV              12 2S2 1 2 5  24 13I 1   6 2   6
03B10X03B11X03B   03A
28TORQUE WIDE ANG TV            20 1S2 5      24 27T 2  20
03B10X03B11X03B   03A
29TORQUE WID ANG TV FAST        25 1S2 5      24 28T 2  25
03B10X03B11X03B   03A
30LOWER SCAN PLAT               35 3S2         2 12T 1  35
03A  X03B   01A20 01A19 01B01 15A04 01A02
31REM SCAN PLAT PROTEC SHD      30 1S2        24 30R 1  30
03A02X03A
32INST SCAN PLAT T/C SHD         5 1S2 1 2 5  24 31I 1   3 2   2
14A01X14A02X14A03X03A   03B
320CCLUDED ZONES                                M
01A00001B00005A00005B00005C00006A00006B00006C00006D00007A00007B00007C00008A000
320CCLUDED ZONES                                M
08B00008C00009A00009B00009C00010A00010B00010C00011A00011B00011C00012A00012B000
320CCLUDED ZONES                                M
12C00013A00013B00015A00015B000
33INST ACTUATOR                 10 1S2 1 2 5     I 1   5 2   5
01B06X
34MATE IN FLIGHT CONNECT        17 1S2           I 1   711  10
01B05X01B06X
35INST BAY CHANELS              28 2S2 1 2 5     I 1  14 2  14
14A25X14A26X14A27X14A28X14A29X14A30X14A31X14A32X
36INST TC CORNER SHIELDS        10 2S2 1 2 5     I 1   5 2   5
14A37X14A48X14A54X
37REM CANOPUS BAFFLE BOX        10 1S2 1 2 5  23 46R 2   5 1   5
14A48X13B10X13B08 13B09 13B11
38INST CANOPUS BAFFLE BOX        6 1S2 1 2 5  24 37I 1   3 2   3
14A48X13B10X13B08 13B09 13B11
39REM ALL LOUVER COVERS         49 1S2 1 2 5  23 11R 2  25 1  24
05A02X07A03X08A02X09A02X10A01X11A02X01A02
40INST LOUVER CLOSER            10 1S2 1 2 5  24 39I 1   5 2   5
12A02X
41LEVEL S/C                     25 1S2           T16  1327  12
01A01
42RAISE S/C INTO CHAMBER        45 1S2        24 41T16  45
00000
43SEC LOCK CHAMBER              15 1N2        24 42T19  15

44SECURE IN SIMULATOR          567  N2        24 43T19 567
00000
TASK 25  DAY 112  10/06/68
 1SECURE IN STIMULATOR        1440  N2        24 44T191440
00000
TASK 26  DAY 113  10/07/68
 1CK TC                          5 1S2        24 36T 9   5
01A01
 2FIRE L-S BAY 8                25 1S2        24  2T27  25
00000
 3RECOCK L-S                    45 1S2        26  2T 1  45
12A01X
 4FIRE L-S BAY 8                10  S2        26  2T27  10
00000
 5TURN POWER OFF                 5  S2        12 42T27   5
00000
 6TURN POWER ON                 30  S2        26  5T27  30
00000
 7TURN GYRO ON                  30  S2        26  6T27  30
00000
 8TURN GYRO OFF                 30  S2        26  7T27  30
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00000
 9TURN POWER OFF                45  S2          26  8T27  45
00000
10REM PROTECTIVE COVERS         10 1S2               R 1  10
03B00W
11SEC CRAFT IN CHAMBER         1205  S2          26 10T191205
00000
TASK 27  DAY 114  10/08/68
 1SECURE IN SIMULATOR          1440  N2          26 11T191440
00000
TASK 28  DAY 115  10/09/68
 1SECURE IN SIMULATOR          1440  N2          27  1T191440
00000
TASK 29  DAY 116  10/10/68
 1SECURE IN SIMULATOR          1440  S2          28  1T191440
00000
TASK 30  DAY 117  10/11/68
 1SECURE IN SIMULATOR           122  S2          29  1T19 122
00000
 2PREP TO REM STIM PLAT         20 2S2 4 6     21 35T 1   7 2   715   6
03A   03B   01A02 15A04
 3REM STIM PLAT                 40 3S2 4 6     30  2R 2  14 1  1415  12
03A   03B   01A02 15A04
 4REM L/G CONN CABLE            20 2S2 1 212   23 51R 2  10 1  10
02A02X02A   02B   14A01
 5REM H/G CONN CABLE            10 2S2 1 212   23 50R 2   5 1   5
02C04X02C   02B   02A01 02A03 C2A04 01A02 14A01
 6REL CASE 6                     3 1S2          8 30T25   3
00000
 7PREP TO INST CASE 6            7 1S2 1 2 5   30  6T 1   4 2   3
10A   10B   10C
 8INST CASE 6                   40 2S2 1 2 5   30  7T 1  20 2  20
10A   10B   10C
 9SECURE IN SIMULATOR          1178  S2          30  8T191178
00000
TASK 31  DAY 118  10/12/68
 1SECURE IN SIMULATOR          1440  S2          30  9T191440
00000
TASK 32  DAY 119  10/13/68
 1SECURE IN SIMULATOR          1440  S2          31  1T191440
00000
TASK 33  DAY 120  10/14/68
 1SECURE IN SIMULATOR          1440  S2          32  1T191440
00000
TASK 34  DAY 121  10/15/68
 1SECURE IN SIMULATOR          1440  S2          33  1T191440
00000
TASK 35  DAY 122  10/16/68
 1SECURE IN SIMULATOR          1440  S2          34  1T191440
00000
TASK 36  DAY 123  10/17/68
 1SECURE IN SIMULATOR            55  S2          35  1T19  55
00000
 2INST ADAPT HARNESS             15 2S2 1 2 5       I 1   5 2   514   5
01A23X01B04X01A24X
 3DRILL HOLES IN COAX CONN      170 2H2 7           T 4 170
01A23X01B04X01A24X15A10X15A11X15A12X15A13X
 4ROUT SIGNAL HARN              100 2H2 1 2 5       T 1  33 2  3314  34
01A23X01B04X01A24X15A01X15A11X15A12X15A13X
 5INST NA TV STIM/ADAPT          35 2H2 11113  23 49T 1  12 2  12 8  11
01A23X01B04X01A24X15A10X15A11X15A12X15A13X
 6COMPLETE SIG HARN/ADAPT        35 2H2 1 2 5  36  3I 1   9 2   911   914   8
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01A23X01B04X01A24X15A10X15A11X15A12X15A13X
 7SECURE IN HIGH BAY          1D15  H2          36  6T181D15
00000
 8OPEN SIMULATOR DOOR            2 1H2          24 43T27   2
00000
 9COVER IRS SCOPE                1 1H2          24 14T 1   1
03B16X03B15X
10REM MONO TEL RAD               2 1H2          24  6R 1   2
03B16X03B15X
11LOWER BELL                     2  H2          36  8T27   2
00000
12INST WOOD FLOOR                8  H2              I27   8
00000
STAGE   4 VIBRATION TEST  ETL LAB 144
TASK 01  DAY 123  10/18/68
 1REM OSE CABLES                 5  S2              R27   5
00000
 2INST LOUV COVER               30 1S2 1 2          I 1  15 2  15
12A02X12A01 12A03
 3TURN ON POWER                 10 1S2              T27  10
00000
 4INST COVER ON NARR TV          5 1S2              I 1   5
03B12X03B13X03B14X
 3REM T/C SHIELD CORNERS        25 2S2 1 2          R 2  12 1  13
14A07X14A08X14A09X14A10X14A11X14A12X14A13X14A45 14A46 14A47
 4REM T/C SHIELD SPACERS         2 2S2 1 2      1  3R 1   1 2   1
01A02
 5REM LTB/CHANL LOW BAYS         9 2S2 1 2          R 2   4 1   5
14A04X14A19X14A20X14A21X14A22X14A23X14A24X
 6TEST S/C                       2 1S2              T27   2
00000
 7INST AL FOIL COV ON IRR       10 1S2              I 1  10
03B06X03B07X
 8REM CANOPUS CAD SUL LIGH       2 1S2 1            R 2   1 1   1
14A53X
 9REM UP THERM SHIELD BLAN       4 3S2 1 2 5        R 2   2 1   2
14A01X02A   02B   02C
 9EXPOSED ZONES                                    M
01A00E01B00E05A00E05B00E05C00E06A00E06B00E06C00E06D00E07A00E07B00E07C00E08A00E
 9EXPOSED ZONES                                    M
08B00E08C00E09A00E09B00E09C00E10A00E10B00E10C00E11A00E11B00E11C00E12A00E12B00E
 9EXPOSED ZONES                                    M
12C00E13A00E15A00E
10REM SCAN PLAT T/C BLANK        2 2S2 1 2 5        R 2   1 1   1
14A03X03A   03B   15A04 01A02 15B00E
11REM ATTACH ANGS                4 2S2 1 2 6        R 2   2 1   2
14A25X14A26X14A27X14A28X14A29X14A30X14A31X14A32X
12REM SHIELD CANOPUS BAFFL       3 1S2 1            R 2   1 1   2
13B10X13B08 13B09 13B11
13REM SHIELD S/P HINGES          7 2S2 1 2          R 2   3 1   4
14A49 14A50 14A51 14A52
14INST MONO TEL RAD COVER        3 1S2 1 2          I 1   2 2   1
03B19 03B17X03B18X03B   03A
15REM CANOPUS SEN ASSY           4 2S2 1 2          R 2   2 1   2
13B08X13B09X13B11
16REM CASE 8 LOUV RESTRANT       2 2S2 1 2          R 2   1 1   1
12A01 12A02 12A03
17COVER PRIM SS WITH PLAST       4 1S2              I 1   4
14A04 14A05
18REM TC EQUIP                   2 2S2 1 2 5 6      R 2   1 1   1
14A55X14A56X14A57X14A58X
19REM UP CHANNEL                25 2S2 1 2          R 2  12 1  13
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14A14X14A15X14A16X14A17X
20REM LOUV BRACKET              4 1S2 1 2         R 2   2 1   2
14A54X
21INST SS PLASTIC BAGS          2 1S2         1 17I 1   2
13B01X13B02X
22REM CASE 6 LOUV               2 2S2 1 2         R 2   1 1   1
10A01X10A02 10A03 10A04 10A05
23INST PAS PIN                  2 1S211           I 1   1 2   1
01B06X
24REM CASE 6                    2 2S2 1 2 5   1 22R 2   1 1   1
10A00W10B00W10C00W
25REM BAFFLE FROM CANOPUS       2 2S2 1 2     1 15R 2   1 1   1
14A48X13B08
26INST BAFFLE IN CARRY CAS      2 1S2         1 25I27   2
00000
27REM BAFFLE TO DIVISION       20 1S2         1 26R26  20
00000
28REM S/P STUBBY HEATERS        2 2S2 1 2         R 2   1 1   1
01A01
29INST OSE A/C FRAMES          10 3S2 1 2 4 6     I 1   3 2   315   4
13A01X13A06X
30REM CABLES TO END BELL       10 1S2             R27  10
00000
31INST PROTECT COVERS/A/C       1 1S2             I 1   1
13A02 13A10
32INST RADIO HARDLN COAX        5 2S2 1 2 5       I 1   3 2   2
10C02X10C03X10C04X
33CAP ANTENNA INTERFACE         4 1S2             I 1   4
10C02X10C03X10C04X
34INST IN PLASTIC BAGS          4 1S2         1 33I 1   4
10C02X10C03X10C04X
35SEC TO BUS WITH STRING        5 1S2             T27   5
00000
36INST SUPPORT RACK /A/C       15 3S2 1 2 4 6 1 29I 1   5 2   515   5
13A01X13A09X
37INSP PROP PYRO WIRE HARN     45  S2             T 9  45
00000
38REM STUBBY HEATERS           10 1S2 1 2     1 28R 2   5 1   5
13A01X13A09X
39INST OSE FRAMES/A/C          45 3S2 1 2 4 6 1 29I 1  15 2  1515  15
13A01X13A09X
40CHECK S/C                    17  S2             T 9  17
00000
41INST BRACK AROUND BELLOW     10 2S2 1 2     1 40I 1   5 2   5
13A02X13A10X
42INST S/C LIFT BRACKETS        1 2S2 4 6         I15   1
01A02
43INST SCAN PLAT LNH POSIT      2 2S2             I 1   2
03A   03B
44INST RED COVER ON UVS         5 1S2             I 1   5
03B08X
45REM BLACK COVER FOR TEST      3 1S2             R 1   3
03B08X
46PREP TO MOVE S/C             66 3S2             T16  66
01A01
47PREP TO BRING IN TRANS        4  S2             T27   4
00000
48PREP CLAM SHELL               4  S2             T27   4
00000
49MONITOR BATT                 33  S2             T27  33
00000
50REM PLAT SHIELD              10  S2             R27  10
```

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00000
51PREP TO RAISE END BELL        5  S2          1 30T27   5
00000
52PREP END BELL                 5  S2          1 51T27   5
00000
53ROLL END BELL TO CRANE        3  S2          1 52T27   3
00000
54REM GAS SYS HEAT/SCAN        10 2S2 1 2          R 2   5 1   5
03A   03B
55INST GAS SYS COVER            5 2S2 1 2      1 54I 1   3 2   2
03A
56INST LIFT SLING TO S/C        5 4S2              I16   5
01A01
57REM TIE BOLTS                 2 3S2 2            R 2   116   1
00000
58LIFT S/C                      2 4S2          1 56T 3   2
01A01
59LIFT S/C                      4 4S2          1 58T 3   4
01A01
60REM END BELL TO CHAMBER       4 4S2          1 53R27   4
00000
61SEC TRANS UNDER S/C           3 4S2          1 42T15   3
00000
62OPEN CAN                      2 4S2          1   R27   2
00000
63INST S/C ONTO TRANS          35 4S2          1 61I 3  35
01A24X01A02
64INST HOLD DOWN CLAMPS        35 4S2          1 63I 1  35
01A24X01A02
65COMPLETE TENSION              1 1S2          1 64T10   1
01A24X01A02
66REM SLING                     2 1S2          1 56R27   2
00000
67INST PURGE LNS CAN            2 1S2          1 62I27   2
00000
68CLOSE CAN                     2 4N2          1 67I29   2
00000
67INST BASE CIRCLE BOLTS        2 2N2 5            I 1   1 2   1
00000
68SET UP PURGE TEST             1 1N2          1 67T27   1
00000
69SEC TRANSPORTER              10 4N2              T15  10
00000
70REMOVE SLING FROM CRANE      15 4N2              R27  15
00000
71REM HYRASET FROM CRANE       15 3N2              R27  15
00000
71REM MISC ITEMS               12 3N2              R27  12
00000
72INST TRANS TO FORKLIFT       23 3N5              I21  23
00000
73ARRIVED IN SAF               30 3N5              T21  30
00000
74SEC S/C ON TRANS            120 3N2              T27 120
00000
75PREP TO REM S/C              15 3N2          1 74T27  15
00000
76INST ON LOW POSITIONER       15 3N2          1 75I27  15
00000
77REM TENT FROM LOW POSIT      15 3N2              R27  15
00000
78REM CAN FROM TRANS           10 3N2          1 68R27  10
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00000
79REM CAN                        2 4H2          1 78R 3   2
01A01
80STORE CAN                      3 3H2          1 79T15   3
00000
81INST HYDOSET ON CRANE          2 3H2          1 71I25   2
00000
82INST SLING ON CRANE            3 3H2             I25    3
00000
83INST SLING ON S/C             10 3H2          1 82I16  10
01A01
84LIFT S/C                       2 4H2          1 83 16   2
01A01
85SEC ON LOW POSITIONER          3 4H2             T 3    116   2
01A01
86BOLT S/C ON LOW POSITION       5 4H2 5 6      1 85I 1   2 2   3
01A01
87PULL TENT OVER S/C             5 4T2          1 86I27   5
00000
88TORQUE BOLTS                  10 2T2 5        1 86I 1   5 2   5
00000
89REL LOUVER FROM QABS           3 1T2             T25    3
00000
90REM THERMO                     3 3T2 1 5         R 2    1 1   2
05A03X07A04X08A02X09A03X10A02X11A04X12A03X
90INSTALL PARTS                     T              I
07A00W11A00W12A00W
91REM THERMO PROPULSION          3 3T2 1 5         R 2    1 1   2
06A01X06A02X06A03X06A04X06A05X
92REM BATT                       3 2T2 1 2         R 2    2 1   1
12B06X12B   12A01 12C
93SEC BATT IN BS                 3 2T2 1 2         T26    3
12B06X12B   12A01 12C
94CHANGE S/C POSITION           35 1T2             T16   35
00000
95REM WIDE ANG TV CAMERA         1 2T2 1 2         R26    1
03B10X03B11X
96REM  HALF LOUVER               2 1T2 1 2      1 89R 2   1 1   1
03A02X03A01 03B
97REM PROTECT COVER              2 1T2 1 2         R 2    1 1   1
03A02X03A01 03B
98REM THERMOCOUPLES              1 1T2 1        1 97R 2   1
03B21X03B22X
99INST HALF LOUVER               2 1T2 1 2      1 96I 1   1 2   1
03A02X03A01 03B
01INST PROTECT COVER             2 1T2 1 2      1 97I 1   1 2   1
03A02X03A01 03B
02LOW SCAN PLAT                  5 1T2             R27    5
00000
03INST SUPP BRACKETS             3 2T2 1 2         I 1    1 2   2
03A01 03B
04REM SCAN PLAT HEAT             2 2T2 1 2         R 2    1 1   1
11C04X03A01 03B
05SEC IN TENT                  378  T2          1 A4T17 378
00000
06REM THERMOCOUPLES             15 2T2 1       1 98R 2   7 1   8
03B07X03B13X03B14X03B18X03B19X03B21X03B22X
07REM HEAT SUPP BRACKETS         7 1T2 1 2      1 A3R 2   3 1   4
03A01 03B
08REM TEST SYS EXHAUST           8 2T2             R27    8
00000
TASK 02  DAY 124  10/19/68
```

```
 1REM GAS HEATERS                56 2T2 1 2          R 2  28 1  28
13A01X13A09
 2REM THERMO SUPP RING           56 3T2          1 A6R27  56
00000
 3REM CASE I THERMO SHIELD        2 2T2 1 2          R 2   1 1   1
14A34X
 4PREP TO REM PROPUL SYS          2 2T2 1 2          T 2   1 1   1
C0000
 5REM TC CENT SUPP                3 2T2 1 2          R 2   1 1   126   1
14A33X
 6REM LOW TCB SPRINGS             2 2T2 1 2          R 2   126   1
14A35X
 7REM CASE 4 ANG ATTACH           2 2T2 1 2          R 2     1   126   1
14A37X
 8REM LOUVER PROTECT COVER        4 1T2 1 2      1 A1R 2   2 1   2
12A02X
 9OPEN CASE 8                     4 1T2 1 2          R 2   2 1   2
12A01 12B   12A02X12C
10PREP TO REM BATT                3 1T2 1 2      1 93R 2   2 1   1
C0000
11REM PROPULSION SYS ASSY        15 3T2 1 2 4 6 2  4R 2   5 1   5 5   5
06A00W06B00W06C00W06D00W
12REM BATT                        3 2T2 1 2      2 10R 2   1 1   126   1
12B06X12A   12B   12C
13INST PARTIAL CASESCREW          9 1T2 1 2          I 1   5 2   4
12A01X
14REM CASE 3 LOUVER              10 2T2 1 2          R 2   4 1   3 5   3
07A02X07A01
15FIT/REM CHANL UP CASE 3         1 1T2 1 2      2 14X26   1
14A15X07A01
16FIT/REM CASE 3 ANG ATTAH        1 1T2          2 15X26   1
14A26X07A01
17REM S/P CRUISE DAMPS            8 2T2              R 1   3 2   326   2
04B03X
18FIT/REM CASE 7 ANG ATTAH        1 1T2              X26   1 1
14A28X11A01
19FIT/REM CHANL UP CASE 7         1 1T2 1 2          X26   1
14A17X11A01
20REM THERMO                     27 2T2          1 A6R 2  14 1  13
03B07X03B13X03B14X03B18X03B19X03B21X03B22X
21REM CASE 7 LOUVER               2 2T2 1 2          R 2   1 1   1
11A02X11A01
22FIT/REM  SHLD CORN STRUT        3 1T2 1 2          R 2   1 1   126   1
14A39X
23REM CC+S ATT CONT SHEAR        10 2T2 1 2          R 2   4 1   426   2
07A03X07A01
24REM S/P SUPP DEPLOYMENTS       10 2T2 1 2          R 2   4 1   426   2
04B01X01A02
25REM SHEAR PLATE SCI EQUP       55 2T2 1 2          R 1  25 2  2526   5
11A03X11A01
26REM CASE 7                     25 2T2 1 2 5   2 21R    10 1  10 5   326   2
12A   12B   12C
27REM TAPE                       34 2T2              R 1  17 6  17
13B01X13B02X13B03X13B04X13B05X13B06X13B07X03B01X03B0[illegible]X03B03X
28REM GYRO CONT                   3  T2              R 1   1 1   126   1
07B06X07B   07C   C7A05 C7A01
29REM TV MODS                    10  T2              R 2   4 1   426   2
11B05X11B06X11B07X11B08X11B01 11B02 11B03 11B04 11A[illegible] 11C
30SEC CASE 7 IN QAS               2  T2 1 2      2 26T [illegible]   126   1
11A   11C   11B01 11B02 11B03 11B04
31REM CASE 3                      2  T2 1 2      2  9R [illegible]   126   1
07A   07B   07C
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32REM HARDWARE FROM CASE 3      1 2T2 1 2          R 2   1
07A05X07A01 07B   07C
33REM TCFM INTER CONN HARN      3 2T2 1 212        R 2   1 1   111   1
05C03X05C   05B
34REM CC+S MODS                 2 2T2 1 2 5        R 2   126   1
07B01X07B02X07B03X07B04X07B05 07C   07A01
35FIT/REM CHAN OP CASE11        1 2T2 1 2          R 2   1
14A14 05A01
36REM ATT CONT                  1 1T2 1 2 5        R     1
07B05X07C   07A01
37INST SUN GATE CLAMP           1 1T212            I14   1
13B07X
38REM LOUVER CASE 1             1 1T2              R 2   1
05A02X05A01
39REM TCFM MODS                16 2T2 1 2 5        R 2   6 1   626   4
05B08X05B09X05B   05C   05A01
40REM IR SPECT GAS ASSY        12 2T2 1 2 5        R 2   4 1   426   4
03B15X03B   03A01
41REM IR SPECT VENT ASSY       10 2T2 1 2 5        R 2   4 1   426   2
03B17X03B   03A01
42REM CASE 3 HARN              25 2T2 1 212        R 2   7 1   611   626   6
07C02X07C03X
43WRAP IN PLASTIC COVER        25 1T2          2 42I26  25
07A01X07C01X
44SEC CASE 3 IN QAS            10 1T2              T26  10
00000
45CAP IRS GAS ASSY LINES        1 1T2              I27   1
00000
46CAP MONO TEL LINES            1 1T2              I27   1
00000
47CAP IRS VENT ASSY LINES       2 1T2              I27   2
00000
48REPLACE RADIATOR SCREWS       4 2T2 1 2          R 1   2 2   2
00000
49FILE CLAMP ON IRS LN         12 1T2              I 4   627   6
00000
50SEC SCAN PLAT                28 3T2          1 A3T 1  28
01A19X01A20X01B01X03A01X033  X15A04 01A02
51MOD MONO TELE EXHAUST LN      6 2T2              T27   6
00000
52INST IN PLASTIC BAG           6 2T2          2 51I27   6
00000
53PREPTO REM NAPR ANG TV        8 2T2              T27   8
00000
54MOD MONO TELE CLAMP          12 2T2          2 51T27  12
00000
55PEM NARR ANG TV CAMERA       30  T2          2 53R 2  15 1  15
03B12X03A01 03B   15A04 01A02
56SEC IN TENT                 856  T2          2 55T17 856
00000

TASK 03  DAY 125  10/20/68
 1SEC IN TENT                1440  T2          2 56T171440
00000

TASK 04  DAY 126  10/21/68
 1VERIFY SCREWS IN CASE 4      51 1T2 5            T 1  26 2  25
08A01
 2FIT/REM CHANL LOW CASE 4     16 1T2 1 2          R 2   8 1   8
14A21X08A01
 3OPEN CASE 4                  25 2T2 1 2          T 1  13 2  12
08A01X
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 4REP STANDOFF SUPP CAB HN     20 1T2 1 2 5   4  3R 1   6 2   611   8
08C01X08C02X088   08A01
 5INST EXT SCREWS PARTIAL      25 2T2 1 2     4  4I 1  13 2  12
08A01
 6TAKING MICRO SWABS           13 3T2         4  5T27  13
00000
 7INST CHANNEL LOW CASE 4      15 1T2 1 2     4  2I 1   8 2   7
14A21X08A01
 6TORQUE CASE SCREWS            7 1T2 5       4  5I 1   3 2   4
08A01
 7REM S/P PIN PULL HARNS       10 3T2 1 2 512     R 2   2 1   311   214   3
04B04X04B05X04B06X04B07X04B08 04B01 04B02
 8PREP TO INST S/P HARNS       20 2H2         4  7T 1  20
04B04X04B05X04B06X04B07X
 9REL S/P BOOST DAMPS           3 1H2             T25   3
00000
10INST S/P PIN PULL HARNS      95 4H2 1 2 5   4  8I 1  32 2  3214  31
04B04X04B05X04B06X04B07X04A01X04A02X04A03X
11MATE P/P HARN TO BD A        15 2H2 1 212   4 10I 1   4 2   411   414   3
04B04X04B02X04B01 04A01X04B03
12MATE P/P HARN TO BD B        15 2H2 1 212   4 10I 1   4 2   411   414   3
04B05X04A02X04B02X04B01 04B03
13MATE P/P HARN TO BD C        16 2H2 1 212   4 10I 1   4 2   411   414   4
04B06X04A03X04B02X04B01 04B03
14MATE P/P HARN TO BD D        16 2H2 1 212   4 10I 1   4 2   411   414   4
04B07X04A04X04B02X04B01 04B03
15INSP BELLOWS LEG G            1 1H2         1 11T 9   1
00000
16INST S/P +Y IN HAND FRAM      4 3T2         4 12I 1   2 5   2
04A04X04B07X
17INST S/P -Y IN HAND FRAM      4 3T2         4 14I 1   2 5   2
04B06X04A03X
18REROUT P/P HARN A             5 2H2 1 2 512 4 10I 1   1 2   111   114   2
04B04X04B02 04A01X
19ADJUST P/P HARN A             5 2H2 1 2 512 4  9I 1   1 2   111   114   2
04B04X04B02
20REROUT P/P HARN B             5 2H2 1 2 512 4 10I 1   1 2   111   114   2
04B05X04B02 04A02X
21ADJUST P/P HARN B             6 2H2 1 2 512 4  9I 1   1 2   111   214   2
04B05X04B02
22INST HARDWARE                10 2T2 1 2 4       I 1   5 2   5
04B03X04B02 04B01 04A
23BLEED A/C GAS SYS TANKS      20 2T2             T27  20
00000


24SET BELLVILLE SPRINGS        59 2T2 41C     4 23I 1  20 2  2010  19
01B04X01B03X01A23
25INST S/P +X IN HAND FRAM      2 4T2         4 19I 1   1 5   1
04A01X048
26INST S/P -X IN HAND FRAM      2 4T2         4 21I 1   1 5   1
04A02X048
27READING BELLEVILLE SPRNG     50 1T2         4 24T10  50
00000
28TIGHT 6 FEBS SCREWS          65 1T2 5           I 1  25 2  40
01A22X
29INST IRS GAS BOTTLES         45 2T2 1 2 5   2 45I 1  23 2  22
03B15X03B   03A01 15A04 01A02
30INST IRS VENTLINE            90 2T2 1 2 5   4 29I 1  45 2  45
03B17X03B   03A01 15A04 01A02
31INST TCFM CASE 1 MODS        15 1T2 1 2 5   2 39I 1   7 2   8
05B08X05B09X05B   05C   05A01
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32INST CASE 1 MODS              100 2T2 1 2 5   2 34I 1  50 2  50
C5B  X05A01 05C
33INST CASE 7 MODS               10 2T2 1 2 5   2 29I 1   5 2   5
11B  X11A01 11C
34INST TCFM INTER CONN HN         5 2T2         2 33I 1  311   2
05C03X05C   05B   05A01
35INST TCFMS CABLE               10 2T2         4 31I 1  511   5
05C03X05C   05B   05A01
36INST NUT ASSY ON PLAT          25 1T2 2             1  13 2  12
03A01X
37INST ACCELEROMETER             30 1T2 1 2 5   4 36I 1  15 2  15
03B20X
38INST CASE I LOUVER             10 2T2 1 2     2  6I 1   5 2   5
05A02X05A01X
39INST A/C CC+S CHASSIS           5 2T2 1 2     2 32I 1   3 2   2
C7A05X07A01X07C
40INST CASE I LOUVER COVER       10 2T2 1 2     4 38I 1   5 2   5
C5A02X05A01
41INST GYRO CONT                  5 2T2 1 2 5   2 28I 1   3 2   2
C7B06X07C   07A01 07A05
42INST SCI EQUIP CHASSIS         15 2T2 1 2 5   2 26I 1   8 2   7
11A01X
43INST A/C CC+S  SHEAR PLT        5 2T2 1 2 5   4 39I 1   3 2   2
07A03X07A01X
44INST EAGLE SHIELD               5 2T2 1 2 5       I 1   3 2   2
07A02X07A03X
45INST CASE 3 HARDWARE           20  T2 1 2 5       I 1  10 2  10
01B01X07B02X07B03X07B04X07B05X07C   07A05 07A02 07A01
46SEC IN TENT                   435  T2         4 45T17 435
00000
TASK 05  DAY 127  10/22/68
 1COMPLETE GEN TASKS            135 2T2         4 46T27 135
00000
 2TILT S/C TO HORIZTAL POS        1 2T2             T16   1
00000
 3REM A/C GAS EXHAUST LNS         2 2T2 4 6     4 23R 2   1 1   1
13A02X13A10X
 4ATTACH CASE 3 4 7 CONNS        57 3T2             I11  57
07C01X07C02X07C03X07B   07A   08C01X08C02X08B   11C00W11B   11A   15A01
 5REL SCAN PLAT PYRO VALVE        3 1T2             T25   3

 6REM SCAN PLAT PYRO PTM         27 2T2             R27  27
00000
 7REL SCAN PLAT MAN ASSY          5 2T2             T25   5
00000
 8REM SCAN PLAT MAN ASSY          5 2T2 1 2         R 2   3 1   2
03B23X03B   03A01
 9INST SCAN PLAT MAN ASSY         2 2T2 1 2     5  7I 1   1 2   1
03B23X03B   03A01
10INST SCAN PLAT PYRO VALV        3 1T2 1 2     5  5I 1   2 2   1
01B08X03B   03A01
11INST DUMMY SQUIB                2 1T2 1 2     5 10I 1   1 2   1
03B24X03B25 03B   03A01
12INST BATT                      20 2T2 1 2 5   2 12I 1  10 2  10
12B06X12A01 12B   12C
13CLOSE CASE 8                    3 2T2 1 2 5   2  9I 1   2 2   1
12A01
14INST CASE   HARDWARE           17 2T2 1 2 5       I 1   9 2   8
11B00W11A01  1C
15INST CASE  HEAT                10 2T2 1 2 5   2 25I 1   5 2   5
11C04X11C
16TORQUE IN  B NUTS               8 1T2 5           I 1   4 2   4
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```
13A01X13A09X
17PREP W+CG TEST                30 3T2          5  4T27  30

18INST STANDOFF BATT           300 2T2 1 2 5    5 12I 1 150 2 150
12B06X
19INST LOUVER CASE 7            10 2T2 1 2 5    2 21I 1   5 2   5
11A02X11A03
20VERIFY ELECT CONNS             5 1T2              T27   5
00000
21INST MANIFOLD ASSY            15  T2          5  9I27  15
00000
22SEC IN TENT                  780  T2          5 21T17 780
00000
TASK 06  DAY 128  10/23/68
 1SEC IN TENT                   30  T2          5 22T17  30
00000
 2REM CASE 8 LOUVER COVER       90 2T2 1 2      5 13R 2  45 1  45
12A02X
 3CHANGE S/C POSITION            5 1T2              T16   5
00000
 4PREP TO INST S/P               6 3T2              T 1   6
00000
 5CHANGE S/C POSITION            4  T2          6  3T16   4
00000
 6PREP TO INST CASE 5 S/P        5  T2          6  4T 1  227   3
00000
 7REM GS SUPP FRAMES            12 4T2 1 4 6       R 2   4 1  415   4
13A01X13A09X
 8REM GS CABLE CLAMPS           20 2T2 12          R 2   6 1  614   8
13A01X13A09X
 9INST S/P 5                    13 4T2 1 2 5    4 26I 1   7 2   6
04A03X04B06X04B08 04B01 04B02 04B03
10INST S/P HINGE                 5 1T2 1 2 5       I 1   3 2   2
04A03X04B06X04B08 04B01 04B02 04B03
11CHANGE S/C POSIT               1 1T2          6  5T16   1
00000
12PREP TO INST S/P 3             1 2T2          4 16T27   1
00000
13REM A/C G/S OSE RACK           7 2T2 1 4 6       R 2   2 1  215   3
13A01X13A09X
14INST S/P 3                    16 2T2 1 2 5    6 12I 1   8 2   8
04A02X04B05X04B08 04B01 04B02 04B03
15INST S/P HINGES                5 2T2 1 2 5       I 1   3 2   2
04A02X04B05X04B08 04B01 04B02 04B03
16INST ALL G/S CLAMPS           10 2T21112         I 1   4 2  414   2
13A01X13A09
17INST PIN PULL S/P 3/5         60  T2          6  9I 1  30 2  30
04B08X04A02 04A03 04B01 04B02 04B03 04B05 04B06
18WORK ON W+CG                  40  T2          5 17  1  20 2  20
00000
19MATE IRS SIMUL SQUIBS         15 1T2              I11  15
03B24X03B25X03B   03A01
20SWAB S/P 3 + 5                85 3T2              T 6  85
00000
21COVER WIDE ANG TV CAMERA      40 2T2 1 2      4 33T 1  20 2  20
03B10X03B   03A01 15A04 01A02
22INST ACT SPNG ON S/P +Y      205 1T2 1 5      6 14I 1 103 2 102
04B09X
23MATE WIDE ANG TV CONNS        10 1T2          6 21I11  10
03B10X05C04X15A04 01A02
24TORQ DEPLOY MECH              30 1T2 5           I 1  15 2  15
04B01X04A   04B
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25TORQ DAMPS                    50 2T2 5        6 24R 2  25 1  25
04B02X04B03X04A   04B
26INST S/P SCREWS               55 2T2 5        6 25I 1  28 2  27
04A00W04B00W
27INST PYRO CABLE CLAMPS        75 2T2 1 212        I 1  25 2  2514  25
15B02X15A05X15A06X
28INST CABLE CLAMPS ON S/P      30 2T2 1 2      6 27I 1  10 2  1014  10
15B02X15A05X15A06X04B04X04B05X04B06X04B07X15A01
29MATE NARR ANG TV CAMERA       15 2T2          6   I11  15
03B12X03B   03A   05C04
30SEC IN TENT                  500  T2          6 29T17 500
00000

TASK 07  DAY 129  10/24/68
 1REM WIDE ANG TV CAMERA        70 2H2 1 2 5    6 21R 2  35 1  35
03B10X03B11X03B   03A01 15A04 01A02
 2PREP FOR C+G IN PROGRESS      10 2H2          6 18T27  10
00000
 3WARM-UP ELECT FORCE IND       60 1H2              T27  60
00000
 4INST LIFT FIX TO PROP SY      10 2H2          7  3I 5  10
06A   06B   06C   06D
 5PREP TO RAISE BY CRANE        15 1H2          7  4T27  15
00000
 6MOUNT PROP SYS ON CIG         15 1H2          7  5I 3  15
00000
 7INST C/G FIXTURE TO PROP      13 2H2 5            I 1   4 2   4 3   5
06A   06B   06C   06D
 8MOVE PROP SYS OVER C/G        11  H2          7  6I 3  11
00000
 9LOWER PROP SYS INTO POS       10  H2          7  8T 3  10
00000
10TURN 120 FOR POSIT NUM 2      11  H2          7  9T 3  11
00000
11TURN 240 FOR POSIT NUM 3      10  H2          7 10T 3  10
00000
12REM PROP SYS                  15 2T2          7  6R 3  15
00000
13REM HORIZ CUPS                15 2T2          7 12R27  15
00000
14SET UP TEST X COORDINATE      10 2T2              T27  10
00000
15INST LIFT FIXTURE              2 2T2              I27   2
00000
16MOVE PROP SYS TO CG FIX        2 2T2          7 12T 3   2
00000
17LOW PROP SYS TO POSIT 1        1 2T2          7 16T 3   1
00000
18MOVE 120 FOR POSIT NUM 2      10 2T2          7 17T 3  10
00000
19ZERO OUT FORCE INDICATOR      10 2T2              T27  10
00000
20TURN 240 FOR POSIT NUM 3       5 2T2          7 18T 3   5
00000
21INST LIFT FIXTURE              2 2T2              T27   2
00000
22LIFT PROP SYS OFF CG FIX       3 2T2          7 17T 3   3
00000
23REM HORIZ CUPS                 5 2T2          7 22R27   5

24INST PROP SYS IN FRAME         5 2T2          7 22I 3   2 5   3
06A   06B   06C   06D
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25INST NONFLIGHT ITEMS          2 2T2              I27   2
00000
26INST MT PROP SYS IN CONT      2 2T2          7 21I 5   2
00000
27INST MAG SHIELDS              6 2T2 1 2 5    7  1I 1   3 2   3
03B10X03B   03A
28INST WIDE ANG TV CAMERA      10 2T2 1 2 5    7 27I 1   5 2   5
03B10X03B   03A
29INST SCAN LATCH               3 2T2              I 1   2 2   1
01B01X
30CHANGE S/C POSIT              4 2T2          7 20T16   4
00000
31LATCH SCAN PLAT              48 3T2          7 29I 1  48
01B01X01A20 01A19 03A01 03B
32CHARGE LATCHES                2 2T2          7 31T27   2
00000
33REPLACE COVER                 3 2T2          7 31I27   3
00000
34INST TV CABLE TIES            5 2T2              I14   5
03B10X
35WIRE SCAN PLAT               20 1T2 1 2      7 33I 1   7 2   714   6
01B09X03A01 03B
36CHANGE S/C POSIT             30 1T2          7 30T16  30
00000
37CHECK CONN                   10 1T210           T10  10
10C01X10C
38SEC RADIO CABLE               5 2T2 1 2 5       T 1   2 2   214   1
10C01X10C   10B   10A01
39VERIFY ELECT CONN             5 1T2          7 38T27   5
00000
40SEC CABLE WITH TIES          15 2T212        7 34T 1   5 2   514   5
10C01X10C   10B   10A01
41INST HIGH GAIN COAX CAB      10 2T2 1 2 5       I 1   5 2   5
02C04X02C   10C
42INST LOW GAIN COAX CAB       10 2T2 1 2 5       I 1   5 2   5
02A02X02A   10C
43INST HARDWARE                35 2T2 1 2 5       I 1  18 2  17
02C03X02C   01A01
44REM HIGH GAIN BULLETS        15 2T2          7 41R 1  15
02C04X02C   02A02X02A
45PREP FOR HIGH GAIN STAND     70 2T2 1 2         T 1  35 2  35
02C04X
46INST HARDWARE CASE 7         20 2T2 1 2 5       I 1  10 2  10
11B00W11A01 11C
47REM HARDWARE  CASE 2          7 2T2 1 2         R 2   4 1   3
06D04X06D05X06D06X06D07X
48INST FLIGHT SCREWS            8 2T2 1 2 5       I 1   4 2   4
06D00W
49CHANGE S/C POSIT             35 1T2          7 36T16  35
00000
50REPLACE HARDWARE             10 2T2 1 2 5    7 48I 1   5 2   5
06D04X06D05X06D06X06D07X
51REM GAS LN FRAME             15 2T2 1 2      5 19R 2   5 1   515   5
13A01X13A09X
52INST S/P 7                    7 4T2 1 2 5    6  4I 1   3 2   4
04A04X04B07X04B08 04B01 04B02 04B03 01A01
53INST GAS LN ON S/P            8 2T2 1 2      7 51I 1   3 2   314   2
04A04X04B07X04B08 04B01 04B02 04B03 13A01 13A09
54INST SHIELD S/P HINGES       15 1T2 1 2 5       I 1   7 2   8
01A08X
55TORQUE GAS LN SCREWS         10 1T2 5        7 53I 1   5 2   5
04A04X04B07X04B08X04B01 04B02 04B03 01A08 01A12
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56REM GAS LN FRAME CASE 1      20  T2 1 2 4 6     R 2   7 1   715   6
13A01X13A09X01A01
57INST S/P 1                    5 4T2 1 2 5   6  4I 1   3 2   2
04A01X04B04X04B08X04B01 04B02 04B03 01A05 01A09 01A01
58INST S/P PIN PULLERS          5 2T2 1 2     7 57I 1   3 2   2
04B08X
59INST CABLE CLAMPS            60 2T2 1 2 5   7 57I 1  20 2  2014  20
04A01X04B04X04B08X04B01 04B02 04B03 01A05 01A09 01A01
60MATE PIN PULLER              15 2T2         7 58I11  15
04B08X04B04X
61INST CLAMPS ON S/PS          25 1T2 1 2 5   7 57I 1   8 2   811   9
15A01X04B04X04B05X04B06X04B07X
62CHANGE S/C POSIT             15 1T2         7 49T16  15
00000
63INST CASE 2 HARDWARE         15 2T2 1 2 5       I 1   7 2   8
01A13X01A14X01A15X01A16X01A17X01A18X
64INST DEPLOY MECHS            15 3T2 1 2 5       I 1   8 2   7
04B01X01B03X04A01 04A04 04B02 04B03
65INST MICRSWTCH                7 1T2 1 2         I 1   3 2   4
04B09X04A01
66INST ACUATOR BRACKET          8 2T2 1 2         I 1   4 2   4
04B10X04A01
67INST MICRSWTCH                2 1T2 1 2         I 1   1 2   1
04B09X04A04
68INST ACUATOR BRACKET          3 2T2 1 2         I 1   2 2   1
04B11X04A04
69SEC IN TENT                 480  T2         7 68T17 480
00000
TASK 08  DAY 130  10/25/68
 1SEC IN TENT                  50  T2         7 69T17  50

 2MATE MONO TELE                7 2T2 1 2       54I 1   2 2   211   3
03B16X05C04X05C01X
 3INST CASE 3 ANG ATTACH        8 2T2 1 2 5   2 18I 1   4 2   4
14A26X07A01
 4INST UP CHANNEL              16 2T2 1 2 5       I 1   8 2   8
14A15X07A01
 5INST SCAN BLANKET             2 3T2 1 2 5       I 1   1 2   1
14A03X03A01 03B   14A03015B000
 6INST UP CHANNEL               2 2T2 1 2 5       I 1   1 2   1
14A14X05A01X14A17X11A01
 7INST HL STRUT BLANK          45 2T2 1 2 5       I 1  23 2  22
14A43X
 8INST PROP TC                 25 2T2 1 2 5       I 1  13 2  12
06D03X
 9REM THERM SHIELD             15 2T2 1 2 5   8  6R 2   7 1   8
14A03X03A01 03A02 03B   14A03E15B00E
10REP MOTION SEN HARD          30 2T2 1 2         R 2  15 1  15
04B01X04A   04B
11INST THERM SHIELD           130 3T2 1 2 5   8  9I 1  65 2  65
14A03X03A01 03A02 03B   14A03015B000
12REM THERM SHIELD             60 3T2 1 2 5   8 11R 2  30 1  30
14A03X03A01 03A02 03B   14A03E15B00E
13INST TC RING                  4 2T2 1 2 5   8 12  1   2 2   2
14A33X03A01 03B
14INST TC SPRINGS               4 2T2 1 2 5   8 13I 1   2 2   2
14A35X03A01 03B
15INST TC CLAMPS                4 2T2 1 2 5   8 13I 1   2 2   2
14A36X03A01 03B
16PRESS SCAN PLAT              17 1T2         7 35T10  17
00000
17TORQUE SCAN LATCH CAP         3 1T2         8 16I10   3
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00000
18WIRE SAFETY CAP                 8 1T2          8 17I10   8
00000
19PREP TO REM CASE 7             45 2T2              T27  45
00000
20REM LOUVER CASE 7               1 2T2 1 2      5 19R 2   1
11A02X11A01
21REM S/P  7 CRUISE DAMP          1 2T2 1 2      2 17R 2   1
04B03X
22REM CHANNEL UP CASE 7           1 2T2 1 2      2 15R 2   1
14A17X11A01
23REM CASE 7 ANG ATTACH          30 2T2 1 2      2 18R 2  15 1  15
14A28X11A01
24REM SHEAR PLATE SCI EQUP       15 2T2 1 2      2 24R 2   7 1   8
11A03X11A01
25REM TV MODS                    60 2T2 1 2 5    2 29R 2  30 1  30
11B05X11B06X11B07X11B08X11B   11C    11A01
26INST TV MODS                   75 2T2 1 2 5    8 25I 1  25 2  2511  25
11B05X11B06X11B07X11B08X11B   11C    11A01
27INST CASE 7 SHEAR PLATE       150 2T2 1 2      8 24I 1  75 2  75
11A03X11A01
28INST CANOPUS SEN ASSY          42 2T2 1 2 5    1 25I 1  21 2  21
13B08X13B09 13B10 13B11
29MOVE TENT                       2 4H2              T27   2
00000
30PREP TO MOVE S/C                1 4H2          8 29T27   1
00000
31MOVE S/C TO LOW LEVEL          17 4H2          8 30T 3   916   8
00000
32INST S/C ON LOW LEVEL          10 4H2 4 6      8 31I 1   4 2   416   2
00000
33REM S/C FROM LOW LEVEL         10 4H2          8 32R 3   516   5
00000
34MOVE S/C TO ADAPTER            10 4H2          8 33T 3   516   5
00000
35REM INSTRU COVERS              10 2H2              R 1  10
03B00W03A01
36LOWER S/C TO ADAPTER            6 4H2          8 34T 3   316   3
01A01X01A23
37REL V-BAND ASSY                 1 1H2              T25   1
00000
38COVER S/C WITH TENT            34 4T2          8 29T27  34
00000
39PREP TO INST V-BAND            49 2T2          8 37T27  49
00000
40INST V-BAND                    30 2T2 1 210    8 39I 1  10 2  1010  10
01A24X01A23X01A01X
41SET TENSION                     1 1T2 5        8 40T10   1
00000
42CLEAN UP                       17 2T2              T27  17
00000
43CHECK PAS PIN                   5 1T2              T 9   5
00000
42SEC IN TENT                   387  T2          8 43T17 387
00000
TASK 09  DAY 131  10/26/68
 1SEC IN TENT                    50 1T2          8 44T17  50
00000
 2TURN ON POWER                  23 1T2              T27  23
00000
 3TURN OFF POWER                 16 1T2          9  2T27  16
00000
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 4MATE STRAIN GAUGE CONN        5 2T210            I10   5
01A23X
 5TURN ON POWER               277  T2          9  3T27 277
00000
 6TURN OFF POWER                4  T2          9  5T27   4
00000
 7SEC IN TENT                1065  T2          9  6T171065
00000
TASK 10  DAY 132  10/27/68
 1SEC IN TENT                1440  T2          9  7T171440
00000
TASK 11  DAY 133  10/28/68
 1SEC IN TENT                  32  T2         10  1T17  32
00000
 2TURN ON POWER               661  T2          8  6T27 661
00000
 3TURN OFF POWER               99  T2         11  2T27  99
00000
 4INST LOUVER COVERS            5 2T2 1 2          I 1   3 2   2
05A02X07A03X08A02 09A02 11A02 10A01 12A02
 5REM V-BAND                    1 2T2 4 6      8 40R 2   1
01A24X01A23X01A01
 6INST V-BAND IN CONTAINER      4 2T2         11  5I26   4
00000
 7PREP TO REM S/C              10 2T2          8 36T27  10
00000
 8REM S/C FROM ADAPT           12 4T2         11  7R 3   616   6
00000
 9INST INST COVERS              6 1T2          8 35I 1   6
03B00WC3A01
10INST SHORT PAS PING           2 1T212            I 1   1 2   1
01BC6X
11LOWER S/C                     5  H2         11  8T 3   316   2
00000
12PREP TO REM ADAPTER          10 2H2         17  8T27  10
00000
13INST ADAPT IN CONTAINER       3 4H2         11 12I 1   2 5   1
01A23X
14REM S/C TO TENT AREA         10  H2         11 11T 3   516   5
00000
15MOVE TENT OVER S/C           32  H2         11 14T 1  32
00000
16SEC IN TENT                 548  T2         11 15T17 548
00000
TASK 12  DAY 134  10/29/68
 1PREP TO REM LOW THERM        12  T2          8 12T27  12
00000
 2REM SCAN BLANK                4 3T2 1 2 5   12  1R 2   2 1   2
14A03X03A   03B   14A02
 3REM THERM SHIELD             26 3T2 1 2 5    8 11R 2  13 1  13
14A02X03A   03B
 4REM ACCEL SCAN PLAT           5 1T2 1 2      4 37R 2   3 1   2
03B20X03A   03B
 5INST WASHER                   5 1T2         12  4I 1   3 2   2
03B20X03A   03B
 6INST ACCEL SCAN PLAT          1 2T2         12  4I 2   1
03B20X03A   03B
 7REM CANOPUS SEN              48 2T2 1 2 5    8 28R 2  24 1  24
13BC8X13BC9X13B10X13B11X
 8INST ACCELEROMETERS          45 2T2 1 2     12  6I 1  23 2  22
01A22X01BC7X01BC8X03B20X15BC5X15A08X
 9UNLATCH S/P -X               12 2T2 1 2      7 57R 2   6 1   6
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04B01X04A03X
10INST BAFFLE ON CANOPUS        33 2T2 1 2    12  7I 1  17 2  16
13B10X13B08 14A48
11LATCH S/P -X                   5 2T2 1 2    12  9I 1   3 2   2
04B01X04A03X
12INST CANOPUS SEN              35  T2        12 10I 1  18 2  17
13B10X13B09X13B08X13B11X
13CHECK ACCELEROMETERS         100  T2        12  8T27 100
00000
14BLEED SCAN PLAT               58 2T2         4 23T27  58
00000
15REM SCAN PLAT LOUV            62 2T2 1 2 5       R 2  31 1  31
03A02X03A01 03B
16INST SCAN PLAT LOUV           42 2T2 1 2 5  12 15I 1  21 2  21
03A02X03A01 03B
17VERIFY CABLES CONNECTED        3 1T2             T 9   3
00000
18PREP TO PRESS SCAN LATCH      10 2T2         8 17T27  10
00000
19SEC SCAN PLAT IN LAUNCH        5 3T2        12 16I 1   5
03A   03B   03A20 01A19 01B01 01A02
20PRESS SCAN PLAT               15 2T2        12 18T27  15
00000
21WIRE FILL VALVE COVER         15 1T211           I 1   7 2   8
03B24X03B25X03B   03A01
22PREP TRANSPORTER              10 1T2             T27  10
00000
23MOVE THERM SHIELD SUPP         8 1T2        12  3T27   8
14A34X14A35X14A36X03B   03A
24INST THERM SHIELD             42 3T2 1 2 5  12  3I 1  21 2  21
14A02X03A   03B   14A06X14A07X14A08X14A09X14A10X14A11X14A12X14A13X14A01X14A03X
240CCLUDED ZONES                                   M
01A00001B00005A00005B00005C00006A00006B00006C00006D00007A00007B00007C00008A000
240CCLUDED ZONES                                   M
08B0C003C00009A00009B00009C00010A00010B00010C00011A00011B00011C00012A00012B000
240CCLUDED ZONES                                   M
12C00013A00013B00015A00015B000
25CHANGE S/C POSIT              30  T2         8 31T16  30
00000
26REM TCFM COVER                30 1T2         4 31R 1  30
02B01X02B02X02A
27PREP TO MOVE TENT             10 4T2        11 15T27  10
00000
28ATTACH SLING                   2 4H2         8 30I 3   116   1
00000
29LIFT S/C                       2 4H2        12 28T 3   116   1
00000
30MOVE S/C TO TRANSPORTER        3 4H2        12 29T 3   216   1
00000
31LOWER S/C TO ADAPTER           3 4H2        11  8T 3   216   1
00000
32PREP TO INST CLAMSHELL        10 4H2        12 31T27  10
00000
33INST CLAMSHELL                10 4H2        12 32I29  10
01A01X
34INST PURGE                    10  N5        12 33I27  10
00000
35SEC IN HIGH BAY              729  N5        12 34T18 729
00000
TASK 13  DAY 135  10/30/68
 1PREP TO TRANSPORT S/C         90  N5        12 33T27  90
00000
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 2LEAVE SAF TO ETL              25  N5        13  1T21  25
00000
 3ARRIVE AT ETL                  5  N5        13  2T21   5
00000
 4ASSEMBLE V-BAND               12  N5        11  6I27  12
00000
 5REM ADAPT FROM CONTAINER      10 4V2        12 31R 1  10
01A23X
 6INST V-BAND                   22 2V2 4 6    13  4I 1  11 2  11
01A24X01A23X
 7OPEN CLAMSHELL                13 4V2 1 2    12 33R29  13
01A01
 8REM S/C                       13 4V2        13  7R 3   716   6
01A01
 9CALIBRATE 2 CABLES            23 2V210      13  6T10  23
01A23X01A22X01A24 10C03 10C04
10SEC PURGE                     10 2V2        12 34R27  10
00000
11CLEAN INSIDE ADAPT STRUT       6 2V2        13  6C 6   6
01A22X01A23X01A24X
12MATE ADAPT STRUT TO S/C        1 2V2        13 11I16   1
01A01X01A23X01A24X
13REM PROTECT COVERS            10 1V2        11  9R 1  10
03A   03B   14A03
14LIFT S/C                      13 4V2        13  8T16  13
00000
15SEC ADAPT TO S/C              65 2V2 4 6         I 1  33 2  32
01A22X01A23X01A24X01A01 02A   02B   02C
16INST SCREW ON MONO TELE        8 2V2 1 2 5       I 1   4 2   4
03B16X03B15 03B17 03B18 03B19
17REL CANOP SHLD AT ETL         30 1V2             T25  30
00000
18TORQUE S/C ADAPT              16 2V2 5      13 15I 1   8 2   8
01A22 01A23 01A24 01A01 02A   02B   02C
19TORQ V-BAND ASSY              24 2V2 5      13  6I10  24
01A23X01A24X01A02
20CK TENSION MON RACK /OSE      10 2V2             T27  10
00000
21ADJUST V-BAND ASSY            40 2V2 5      13 19T10  40
01A23X01A24X01A02
22INST AL TAPE OVER SEN         10 2V2        12 12I 1  10
13B01X13B02X13B08X
23INST SAFETY STRAP              1 2V2 1 2    13 19I 2   1
01A24X01A23X
24INST AL TAPE OVER SEN          8 2V2             I 1   8
13B07X
25CHANGE S/C POSIT              20  V2        13 14T16  20
00000
26LOWER ONTO CENTAUR ADAPT       5 4V2        13 25T 3   316   2
01A01 01A02 02A   02B   02C
27CABLE S/C /OSE                 5 2V2        13 26I27   5
00000
28TORQUE ADAPT BOLTS             9 1V2 5      13 26T 1   4 2   5
01A23X
29CHARGE A/C SYST  CONNS         9 2V2 4 6    12 11I27   9
13A01X13A09X
30TURN ON POWER                 12 1V2        11  3T27  12
00000
31CHARGE A/C SYST  CONNS        10 2V2 4 6         T27  10
13A01X13A09X
32CALIB ACCELEROMETERS          25  V2        12  8T10  25
00000
```

```
33INST THERM SHIELD            24 1V2 1 2    12  2I 1  12 2  12
14A48X13B08 13B09 13B10 13B11
34INST V-BAND CABLES /CENT      1 2V2        13 21I27   1
00000
35REM PAS/SIT PINS              1 2V211           R 2   1
01B05X01B06X
36TURN OFF POWER                2  V2        13 30T27   2
00000
37SEC IN VIBRATION            801  V2        13 36T24 801

38TURN ON POWER                51  V2             T27  51
00000
TASK 14  DAY 136  10/31/68
 1TURN ON POWER                30  V2        13 38T27  30
00000
 2VERIFY ACCEL TORQUES         10 2V210      13 32T10  10
00000
 3REM LOUVER COVER             65 1T2 1 2         T 1  33 2  32
11A02X11A03X
 4RUN TEST 1                   25 8T2        13  3T27  25
00000
 5INSP AFTER TEST              10 1T2        13  4T 9   5 6   5
01A23X
 6INSP AFTER TEST               7 1T2        10  4R 9   4 6   3
01A23X
 7CK OSE CABLES                 6 1T2             I27   6
00000
 8RUN TEST 2A                   9 8T2        14  5T27   9
00000
 9INST BLOWER                  20 2T2 1 2         I 1  10 2  10
01A23X03A   03B   14A03 14A02
10RUN TEST 2B                  10 8T2        14  8T27  10
00000
11INSP AFTER TEST               3 2T2        14 10T 6   2 9   1
01A23X
12RUN TEST 2C                  15 8T2        14 11T27  15
00000
13INSP AFTER TEST               6 2T2        14 12T 6   3 9   3
01A23X
14RUN TEST 2D                  12 8T2        14 13T27  12
00000
15REM ACCEL FROM CENTAUR        8 2T2 1 2    12  8R 1   4 2   4
00000
16INST ACCEL /CENTAUR           1 2T2 1 2    14 15I 2   1
00000
17INST V-BAND STRAP             3 2T2 4 610  13 23I10   3
01A23X01A24X
18TURN OFF POWER               55  T2        14  1T27  55
00000
19TURN ON POWER                15  T2        14 18T27  15
00000
20REM V-BAND STRAP             10  T2 4 610  14 17R10  10
01A23X01A24X
21REM V-BAND BLOWER            10  T2 4 610  14  9R10  10
01A23X01A24X
22RUN TEST 3                   20 8T2        14 14T27  20
00000
23RUN TEST 3R                  17 8T2        14 22T27  17
00000
24RUN TEST 4                    5 8T2        14 23T27   5
00000
25COMP ALL RUNS Z AXIS         10  T2        14 24T27  10
```

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00000
26INST V-BAND STRAP              8  T2 4 610  14 20I10   8
01A23X01A24X
27TURN OFF POWER                12  T2        14 19T 1  12
00000
28PREP TO MOVE S/C              19 4T2             T27  10 2   9
00000
29MOVE TENT                      1 4T2             T 1   1
00000
30ATTACH CRANE CABLES            3 4V2        14 28I 3   216   1
01A01 02A   02B   02C
31LIFT S/C                       5 4V2        14 30T 3   316   2
01A01 02A   02B   02C
32LOWER S/C TO SLIDER            5 4V2        14 31T 3   316   2
01A01 02A   02B   02C
33INST S/C ON SLIDER            37 4V2        14 32I 3  2016  17
01A01 02A   02B   02C
34SEC SLIDER BOLTS               1 2V2 5      14 33I 2   1
01A02X01A23X
35INST PLYWOOD FLOOR             4  V2             I27   4
00000
36COVER S/C WITH TENT            2 4T2        14 29I 1   2
00000
37INST CABLE /OSE                4 3T2             I27   4
00000
38TURN ON POWER                  9  T2        14 27T27   9
00000
39INST ACCELEROMETERS/CENT      40 2T2        14 16I27  40
00000
40MATE ACCEL CONN /CENT         25 2T2        14 39I27  25
00000
41REM LOUVER COVERS             20 2T2 1 2    14  6R 2  10 1  10
05A02X07A03X07A02X08A02X09A02X10A01X12A02X
42RUN TEST 5                    26 8T2        14 25T27  26
00000
43RUN TEST 6A                    5 8T2        14 42T27   5
00000
44RUN TEST 6B                   23 8T2        14 43T27  23
00000
45INST V-BAND                    2 2T2        13 19I 1   1 2   1
01A23X01A24X01A02
46TURN OFF POWER                15  T2        14 38T27  15
00000
47PREP TO MOVE S/C               5 4V2             T27   5
00000
48INST LIFT FIXTURE              5 2V2 1 2    14 47I 1   3 2   2
01A02
49UNBOLT ADAPT                   5 2V2 4 6    14 47I 1   3 2   2
01A22X01A24X01A02
50INST SLING                     5 2V2        14 47I 3   316   2
01A01 02A   02B   02C
51INST HOIST                     5 2V2        14 47I 3   316   2
01A01 02A   02B   02C
52LIFT S/C                       5 4V2        14 48T 3   316   2
01A01 02A   02B   02C
53ROTATE TO X-AXIS               8 4V2        14 52T 3   416   4
01A01 02A   02B   02C
54LOWER S/C                      8 4V2        14 52T 3   416   4
01A01 02A   02B   02C
55REM SLING                      8 4V2        14 50T 1   8
01A01 02A   02B   02C
56BOLT TO ADAPT                  8 2V2 5      14 49T 2   4 1   4
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01A23X01A24X01A02
57REM LIFT FIXTURE                 8 2V2 1 2    14 48T 2   4 1   4
01A02X
58SEC IN TENT                    722  T2        14 57T17 722
00000
TASK 15  DAY 137  11/01/68
 1PREP FOR TEST 7A                10  T2        14   T27  10
00000
 2TURN ON POWER                   10  T2        14 46T27  10
00000
 3REM V-BAND COVER                 2 2T2 1 2    14 45R 2   1 1   1
01A23X01A24X
 4TORQ LOUV                       75 2T2 1 2    14 41R 2  38 1  37
05A02X07A03X07A02X08A02X09A02X10A01X12A02X
 5RUN TEST 7A                     27  T2        15  1T27  27
00000
 6RUN TEST 7B                     10  T2        15  5T27  10
00000
 7PREP TO REM CENTAUR              4 2T2        14 15T27   4
00000
 8INST V-BAND STRAP                1 2T2 1 2 5  15  3I 2   1
01A23X01A24
 9INST LOUVER COVERS               1 2T2 1 2 5  15  4I 2   1
05A02X07A03X07A02X08A02X09A02X10A01X12A02X
10INST BAFFLE COVER                4 2T2 1 2    12 12I 1   2 2   2
13B10X13B09 13B08 13B11
11TURN OFF POWER                   7  T2        15  2T27   7
00000
12INST LIFT BRACKETS               6 2T2 1 2    14 48I 1   3 2   3
01A02
13REM ADAPT SCREWS                15 2T2 4 6    15  7R 2   8 1   7
01A23X01A24X01A01
14MOVE TENT                       12 4V2        14 29T 1  12
00000
15LIFT S/C                        10 4V2        15 14T 3   516   5
01A01X02A   02B   02C
16COVER S/C WITH TENT              1 4T2        15 14T 1   1
00000
17REM CENTAUR ADAPT                2 2T2        15  7R27   2
00000
18PREP FOR X-AXIS RUNS            20 2T2        15 15T27  20
00000
19SEC RING TO SLIDER               5 4T2        15 17I27   5
00000
20PREP TO MOVE RING                5 4T2        15 19T27   5
00000
21ATTACH CABLES TO S/C            10 4V2             I 3   516   5
01A01X02A   02B   02C
22LOWER S/C                        5 4V2        15 20T 3   316   2
01A01X02A   02B   02C
23COVER S/C WITH TENT             20 4T2        15 16T27  20
00000
24TURN ON POWER                   15  T2        15 11T27  15
00000
25RUN TEST 8                      30 8T2        15  6T27  30
00000
26INST S/C                        30  T2        15 25T 6  15 9  15
01A23X
27RUN TEST 9                       2 8T2        15 26T27   2
00000
28INS  S/C                        15  T2        15 27T 9  15
00000
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29RUN TEST 9R                    3 8T2        15 28T27   3
00000
30INSP S/C                      19  T2        15 29T 9  19
00000
31RUN TEST 9RR                  16 8T2        15 30T27   8 9   8
00000
32INSP S/C                       2  T2        15 31T 9   2
00000
33RUN TEST 10                    2 8T2        15 32T27   2
00000
34INST V-BAND STRAP              2 2T2 1 2    15  8T 1   1 2   1
01A22X01A23X01A24
35INST LOUVER COVERS             1 2T2 1 2    15  9I 2   1
05A02X07A03X07A02X08A02X09A02X10A01X12A02X
36INST BAFFLE COVER             10 1T2        15 10I 1  10
13B10X13B08 13B09 13B11
37TURN OFF POWER                 1  T2        15 24T27   1
00000
38INST LIFT BRACKETS             5 4T2 1 2    15 12I 1   3 2   2
01A02
39REM ADAPT BOLTS               10 4T2 4 6    15 13R 2   5 1   5
01A22X01A23X01A24X01A02
40REM TENT                      15 4V2        15 16R 1  15
00000
41LIFT S/C                       2 4V2        15 40T 3   116   1
01A01 02A   02B   02C
42REORIENT 6 IN RING            18 4V2        15 39T27  18
00000
43LOWER S/C                      5 4V2        15 41T 3   316   2
01A01 02A   02B   02C
44INST BOLTS                    15 4V2 5      15 39I 2   9 1   6
01A22X01A23X01A24X01A02
45COVER S/C WITH TENT            7 4T2        15 40I 1   7
00000
46INST ACCEL                     8 2T2 1 2    14 39I 1   3 2   310   2
01B07X01B08X03822X
47TORQUE ADAPT                   3 2T2 5      15 42I 2   2 1   1
01A22X01A23X01A24X01A02
48REM LOUVER COVERS              3 2T2 1 2    15 35R 2   2 1   1
05A02X07A03X07A02X08A02X09A02X10A01X12A02X
49INST ACCEL /OSE                1 2T2        15 46I27   1
00000
50REM SAFETY STRAP               4 2T2 1 2    15 34R 1   2 2   2
01A24X01A23
51INST SAFETY STRAP              4 2T2 1 2    15 50I 1   2 2   2
01A24X01A23
52CHECK ACCEL                    1  T2        15 49I10   1
00000
51TURN ON POWER                  1  T2        15 37T27   1
00000
52RUN TEST 11                   43 8T2        15 33T27  43
00000
53RUN TEST 11R                  15 8T2        15 52T27  15
00000
54RUN TEST 11RR                  4 8T2        15 53T27   4
00000
55RUN TEST 11RRR                37 8T2        15 54T27  37
00000
56RUN TEST 12                    4 8T2        15 55T27   4
00000
57INST V-BAND COVER              6 2T2 1 2    15 51I 1   3 2   3
01A24X01A23
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58INST LOUVER COVERS            4 2T2 1 2    15 48I 1   2 2   2
05A02X07A03X07A02X08A02X09A02X10A01X12A02X
59PREP TO BLOW V-BAND          55 2T2             T27  55
00000
60REL SQUIBS FROM GAS          15 1T2             T25  15
00000
61ADJUST PYRO LIGHTS            5 2T2             T27   5
00000
62TURN OFF POWER                2  T2        15 51T27   2
00000
63INST SQUIBS                  27 2T2 1 2    15 60I 1  14 2  13
01B10X01A24 01A23
64FIRE PYRO DEVICES            11 1T2        15 61T27  11
00000
65REM SQUIBS                   10 2T2 1 2    15 63T 2   5 1   5
01B10X01A24 01A23
66PREP TO MOVE CLAM            15 4T2        13  7T27  15
00000
67INST LIFT BARS               20 2T2 1 2    15 38I 1  10 2  10
01A02
68REM FROM ADAPTER              5 4T2 1 2    15 47R 2   3 1   2
01A23X01A22 01A24 01A02
69INST EQUIP COVERS            10 1T2 1 2    13 13I 1   5 2   5
03B00W03A   14A03 14A02 01A02
70REM SCAN PLAT BLANKET        10  T2 1 2 5  12 16R 1   5 2   5
14A03X14A02 03A   03B   01A02 15B00E
71INST LOUVER COVER             2 3T2 1 2 5  15 58I 1   1 2   1
03A02X03A   03B
72INST SCAN PLAT BLANKET        3 3T2 1 2 5  15 70I 1   2 2   1
14A03X14A02 03A   03B   01A02 15B000
73INST ON TRAILER               5 4H2             I 3   216   3
01A01 02A   02B   02C
74INST CLAM                    20 4N5        15 66I29  20
00000
75MOVE TO SAF                  60  N5        15 74I21  60
00000
76REMOVE CLAM                  15 4H2        15 74R29  15
01A01 02A   02B   02C
77INST CRANE                   15 4H2        13  1I 3   716   8
01A01 02A   02B   02C
78MOVE S/C TO LOW LEVEL        15 4H2        15 77T 3   716   8
01A01 02A   02B   02C
79REM CASE 2 SHLD / ANG         2 2H2 1 2 5   7 63R 1   1 2   1
06D03X14A31X
80REM HARDWARE                  3 2H2 1 2 5   7 63R 1   2 2   1
13B11X13B07X
81REM CANOPUS SEN              10 2H2 1 2 5  12 12R 2   5 1   5
13B08X13B09X13B10X14A48X
82REM BAFFLE                    5 2H2 1 2 5  15 36R 2   3 1   2
13B10X13B08X
83REM PROPUL SYS               35 3H2 1 2 5       R 2  12 1  12 5  11
06A00W06B00W06C00W06D00W
84REM ACCEL                    10 2H2 1 2    15 49R 2   5 1   5
03B22X
85SEC IN HIGH BAY             430  H2        15 84T18 430
00000
STAGE   5 SYSTEMS TEST INCLUDING WEIGHT AND CG
TASK 01  DAY 138  11/02/68
 1MOVE TENT                    35 4H2             T 1  35
00000
 2MOVE POSITIONER               5 4H2             T 3   316   2
01A01 02A   02B   02C
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 3LOWER S/C ON POSITIONER       5 4H2          1  2T16   3 3   2
01A01 02A   02B   02C
 4INST LIFTING BARS             5 2H2 1 2        I 1   3 2   2
01A02
 5REM CABLE                     2 2H2            R27   2
00000
 6LIFT S/C                     10 4H2          1  3T16   5 3   5
01A01 02A   02B   02C
 7LOWER S/C                     2 4H2          1  6T 3   116   1
01A01 02A   02B   02C
 8REM CRANE                    11 4H2            T27  11
00000
 9REM LIFT BARS                 4 4H2 1 2        R 2   2 1   2
01A02
10INST S/P MECH                13 4H2 1 2        I 1   7 2   6
01A10X01A09X01A11X01A12X04B01X04B02X04B03X
11INST/ALIGN S/P              105 4H2 1 2 5      T 1  45 2  459   15
04A01X04A02X04A03X04A04X04B
12SECURE U.RING                40 1H2            T27  40
00000
13REM LOUVER COVERS            40 2H2 1 2        R 2  20 1  20
05A02X07A02X07A03X08A02X09A02X10A01X12A02X
14REM MOTOR MOUNTS             52 2H2 1 2 5      R 2  26 1  26
01A13X01A14X01A15X01A16X01A17X01A18X
15TEST WEIGHT STAND             2 2H2            I27   2
00000
16TRANSFER S/C TO WT STAND      4 4H2          1 15T 3   216   2
01A01 02A   02B   02C   04A
17ALIGN S/C TO WT STAND         1 4H2          1 16T 9   1
00000
18WEIGH S/C                    40 4H2          1 16T10  40
00000
19INST LIFTING BARS            12 2H2 1 2        I 1   6 2   6
01A02
20REM LIFTING BARS             70 2H2 1 2      1 19R 2  35 1  35
01A02
21INST LIFTING BARS             9 2H2 1 2      1 20I 1   5 2   4
01A02
22PREP TO MOVE S/C             10 4H2          1 18T27  10
00000
23MOVE S/C TO POSITIONER        4 4H2          1 22T 3   216   2
01A01 02A   02B   02C   04A
24REM LIFTING BRACKETS         32 2H2 1 2      1 21R 2  16 1  16
01A02
25INST MOTOR MOUNTS            19 2H2 1 2 5    1 14I 1  10 2   9
01A13X01A14X01A15X01A16X01A17X01A18X
26REM CRUISE DAMPER             3 2H2 1 2        R 2   2 1   1
04B03X
27REM UP CHANNELS               5 2H2 1 2 5      R 2   3 1   2
14A14X14A15X14A16X14A17X14A18X
28INST OSE BRACKET              3 2H2 1 2 5      I 1   2 2   1
08A01X08A02X11A01X11A02X
29REM PLATE OSE               120 2H2 1 2 5      R 9 120
01A13X01A14X01A15X01A16X01A17X01A18X
30LOOSEN STRUTS S/P 1/3       267 4H2 1 2 5    1 10T 2 134 1 133
01A09X01A10X01A11X01A12X04A   04B   01A01
31REM TC SHIELD                 3 2H2 1 2 5    1 27R 2   2 1   1
14A49X14A50X14A51X14A52X
32REM CRUISE DAMPER             1 2H2 1 2 5    1 26R 2   1
04B03X
33REM SUPER ST CORNERS          5 2H2 1 2 5      R 2   3 1   2
14A06X14A07X14A08X14A09X14A10X14A11X14A12X14A13X
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34REM CRUISE DAMPER              3 2H2 1 2 5   1 32R 2   2 1   1
04B03X
35REM CASE 6                     1 2H2 1 2 5       R26   1
10A00W10800W10C00W
36REM HIGH LOW COAX             35  H2 1 2 5       R 2  18 1  17
02C04X02A02X02A   02B   02C
37SECURE IN TENT               462  H2          1 36T17 462
00000
TASK 02  DAY 139  11/03/68
 1SECURE IN TENT              1440  T2          1 37T171440
00000
TASK 03  DAY 140  11/04/68
 1SECURE IN TENT               185  T2          2  1T17 185
00000
 2REM IRR ASSY                  58 2T2 1 2 5       R 2  29 1  29
03B06X03B07X03B   03A
 3REM SPRINGS SOL PANEL 4       58 3T2 1 2 5       R 2  29 1  29
01A09X01A10X01A11X01A12X04A   04B   01A02
 4TILT S/C                       2 4T2          1 23T16   2
00000
 5REM CABLE CLAMPS SOL P 1      10 1T2 11112       R 2   5 1   5
04A01X04B04X
 6REM TC HARDWARE               10 2T2 1 2         R 2   5 1   5
14A45X14A46X14A47X
 7REM SOLAR PANEL 1              5 4T2 1 2 5   3  5R 2   2 1   2 5   1
04A01X04B04X
 8REM PIN PULLERS                5 2T2 1 2         R 2   3 1   2
04B08X
 9INST GS BELLOWS               10  T2 1 2 5       I 1   4 2   415   2
13A01X13A09X01A02
10REM CABLE CLAMPS SOL P 4       7 2T2 11112       R 2   3 1   4
04A02X04B05X
11REM SOL PANEL BOOST DAMP       6 2T2 1 2 5       R 2   3 1   3
04B02X
12REM SOL PANEL BOOST DAMP       7 2T  1 2 5   3 11R 2   4 1   3
04B02X
13REM POWER HARN                10 3T2 1 212       R 2   3 1   314   4
04B04X
14MEASURE SP STRUTS             10 2T216           T10  10
01A05X01A06X01A07X01A08X
15REM SOL PAN CABLE CLAMPS      20 2T2 11112       R 2   7 1   714   6
04A04X04B07X
16REM SOLAR PANEL 7             10 3T2          3 15R 2   3 1   3 4   4
04A04X04B07X
17INST SUPPORT RACK             10 2T2 1 2 5       I 1   3 2   315   4
13A01X13A09X01A02
18REM SOLAR PAN BOOST DAMP       2 2T2 1 2 5       R 2   1 1   1
04B02X
19REM SOLAR PAN BOOST DAMP       3 2T2 1 2 5       R 2   2 1   1
04B02X
20REM SOLAR PAN BOOST DAMP       4 2T2 1 2 5       R 2   2 1   2
04B02X
21REM SOLAR PAN BOOST DAMP       3 2T2 1 2 5       R 2   2 1   1
04B02X
22REM POWER HARN                 3 2T2 1 2 5       R 2   1 1   114   1
04B07X
23REM SOLAR PANEL 3              7 3T2 1 2 5       R 2   2 1   2 5   3
04A02X04B05X
24REM PIN PULLER                 5 2T2 1 2         R 2   3 1   2
04B08X
25REM SUPER STRUCT HARDWRE       5 2T2 1 2     3  6R 2   3 1   2
14A38X14A39X14A40X14A41X14A42X14A43X
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26INST SUPPORT RACK              5 2T2 1 2 5       I 1   2 2   21S   1
13A01X13A09X01A02
27REM POWER HARN                15 3T2 1 2 5       R 2   5 1   514   5
04B05X
28REM SOLAR PANEL 5             10 3T2 1 2 5       R 2   4 1   4 5   2
C4A03X04B06X
29INST SUPPORT RACK             10 2T2 1 2 5       I 1   4 2   41S   2
13A01X13A09X01A02
30REM UP TS BLANKET             10 2T2 1 2         R 2   5 1   5
14A01X
30EXPOSED ZONES                                    M
C1A00E01B00E05A00E05B00E05C00EC6A00E06B00E06C00E06D00E07A00E07B00E07C00E08A00E
30EXPOSED ZONES                                    M
08B00E08C00E09A00E09B00E09C00E10A00E10B00E10C00E11A00E11B00E11C00E12A00E12B00E
30EXPOSED ZONES                                    M
12C00E13A00E15A00E
31REM SUPER STRUCT HARDWRE      20 2T2 1 2         R 2  10 1  10
14A44X14A55X
32REM PROTECTIVE COVERS         10 2T2 1 2         R 2   5 1   5
05A02X07A02X07A03X08A02X09A02X10A01X12A02X
33REM SUPER STRUCT HARDWRE       4 2T2 1 2         R 2   2 1   2
14A19X14A20X14A21X14A22X14A23X14A24X
34REM LOUVER BAY 8               2 2T2 1 2 5       R 2   1 1   1
12A02X12A01
35REM SUPER STRUCT HARDWRE      44 2T2 1 2 5       R 2  22 1  22
14A57X14A58X
36REM BATT                      10 2T2 1 2 5       R 2   4 1   426   2
12B06X12B   12A
37CLOSE CASE 8                  20 2T2 1 2     3 34T 1  10 2  10
12A01X
38REM LOUVER BAY 7               3 2T2 1 2 5       R 2   2 1   1
11A02X11A01 11A03
39SEC BATT QAS                   7 1T2         3 36T25   7
00000
40INST BATT                     110 2T2 1 2     3 39I 1  55 2  55
12B06X12A01 01A02
41REM LOUVER BAY 5              10 2T2 1 2 5       R 2   5 1   5
09A02X09A01
42REM LOUVER BAY 4              58 2T2 1 2 5       R 2  29 1  29
08A02X08A01
43REM LOUVER BAY 1              40 2T2 1 2 5       R 2  20 1  20
05A02X05A01
44REM SCAN PLAT LOUV            48 2T2 1 2 5       R 2  24 1  24
03A02X03A   03B
45INST PROT COV ON BOTTLES      18 2T2             R 1  18
13A02X13A10
46SECURE IN TENT               531  T2             T17 531
00000
TASK 04  DAY 141  11/05/68
 1SECURE IN TENT                15  T2         3 46T17  15
00000
 2ROTATE S/C                    30 4T2         1 23T16  30
00000
 3DEPRESSURIZE SCAN PLAT         5 2T2         3 44T27   5
00000
 4ROTATE S/C                    20 4T2         4  2T16  20
00000
 5LOOSEN SCREWS ON SCAN PT      20 2T2 1 2 5   4  3T 2  10 1  10
03A  X03B  X
 6TORQUE SCREWS ON SCAN PT      75 2T2 1 2 5   4  5I 2  40 1  35
03A00W03B00W
 7TILT S/C                      17 4T2         4  4T16  17
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00000
 8REM SIT /MOUNT                1 1T2 1 2 5       X 2   1
01B05X12B06X12A01
 9INST SUN GATE HOOD            4 1T2 1           I 1   2 2   2
13B07X
10MEASURE CONE                  3 1T2             T10   3
00000
11MEASURE CLOCK                 2 2T2             T10   2
00000
12INST SUN SENSOR HOODS         1 2T2 1           I 2   1
13B01X13B02X13B03X13B04X13B05X13B06X
13INST SP MICROSWITCHES        19 1T2 1 2         I 1   9 2  10
04B09X
14CABLE CRAFT OSE              10 1T2 1 2         T27  10
00000
15REL CANOPUS SENSOR           10 2T2             T25  10
00000
16INST CANOPUS SENSOR          10 2T2 1 2 5       I 1   5 2   5
13B09X13B10X13B11X
17INST CABLES OSE              13 2T2             I27  13
00000
18INST IRR                     10 2T2 1 2 5       I 1   5 2   5
03B06X03B07X03B   03A
19MATE CONNECTORS              10 2T2 1 2 5       T 1   4 2   411   2
03B06X05C04
20ALIGN INSTRUMENTS            35 3T2             T 9  2015  15
00000
21REM NARR ANG TV COVER         5 2T2             R 1   5
03B12X
22TURN POWER ON                21  T2             T27  21
00000
23CALIBRATE NARR ANG TV       114 3T2          4 21T10 114
00000
24CALIBRATE WIDE ANG TV         5 3T2             T10   5
00000
25INST NARR ANG TV COVER       45 1T2          4 21I 1  45
03B12X03B13 03B14
26PACKAGE ADAPT STRUCT         40 2T2             T27  40
00000
27REM IRR COVER                40 2T2          4 18R 1  40
03B06X03B   03A
28INST IRR COVER               20 2T2          4 27I 1  20
03B06X03B   03A
29REM IRS COVER                10 2T2             R 1  10
03B16X03B15 03B17 03B18 03B19
30COVER WIDE ANG TV CAMERA      5 1T2             T 1   5
03B10X03B11
31CALIBRATE IRS                60 3T2          4 29T10  60
00000
32PURGE IRS                     2 2T2          4 31T27   2
00000
33REM UVS COVER CALIBRATE      41 3T2             R 1  610  35
03B08X03B09
34INST UVS COVER               12 1T2          4 33I 1  12
03B08X03B09
35TURN POWER OFF               15  T2          4 22T27  15
00000
36TURN POWER ON                10  T2          4 35T27  10
00000
37CALIB FAR PL SENSOR          60 3T210           T 1  3010  30
03B03X
38TURN POWER OFF                7  T2          4 36T27   7
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00000
39COVER FEPS WITH TAPE          3 2T2              T 1   3
03B03X
40SECURE IN TENT              615  T2              T17 615
00000
TASK 05  DAY 142  11/06/68
 1SECURE IN TENT               75  T2          4 40T17  75
00000
 2REM IRR                       5 2T2 1 2 5    4 18R 2   3 1   2
03B06X03B07
 3DECREASE BELLEVILLE SPRG      5 2T210            T 1   2 2   210   1
03B16X03B15 03B17 03B18 03B19
 4ADJ BELLVILLE SPRING         40 2T210        5  3T 1  12 2  1410  14
03B16X03B15 03B17 03B18 03B19
 5VENT PRESS IN A/C SYS         5 2T210        4 32T27   5
13A09X
 6VENT PRESS A/C SYS            5 2T210            T27   5
13A09X
 7ADJ A/C SYS                  13 2T210        5  5T 1   5 2   510   3
13A01X13A09X
 8ALIGN MARS GATE             180 2T2              T27 180
00000
 9COMPLETE MARS GATE ALIGN     85 2T2          5  8T27  85
00000
10RECALIBRATE IRS              32 2T2          4 31T27  32
00000
11PRESS IRS VENT               39 2T2          5  6T27  39
03B17X
12TURN POWER ON                 7  T2          4 38T27   7
00000
13TURN POWER OFF                7  T2          5 12T27   7
00000
14MATE PAS CABLE               12 1T2              R 1  611   6
01B06X
15INST MOTOR MTS                3 2T2 1 2          R 2   2 1   1
01A13X01A14X01A15X01A16X01A17X01A18X
16PRESS IRS ASSY               20  T2          5  7T27  20
00000
17INST MOTOR                    5 3T2 1 2 5    5 14T 1   3 2   2
06A  X06B  X06C  X06D  X
18STOP PRESS IRS ASSY           5 1T2          5 16T27   5
00000
19TORQUE MOTOR                 15 2T2 5            I 1   7 2   8
06A00W06B00W06C00W06D00W
20LOOSEN CABLE CLAMP/MATE      35 2T2 1 2 512 5 19T 2  10 1  1011  1014   5
15A02X15A01 15A03 06D02X06D01X
21INST IRR                     10 2T2 1 2 5    5  2I 1   5 2   5
03B06X03B07X03B   03A
22INST SCAN STIMULUS PLAT      10 3T2 4 6          I 1   4 2   415   2
03B   03A
23INST UVS STIMULUS             1 2T2 1            I 2   1
03B08X
24INST IRR STIMULUS             4 1T2 1        5 21I 1   2 2   2
03B06X
25REM FEPS SHIELD               5 2T2 1 2 5        R 2   3 1   2
14A57X03B00W03A00W
26REM FEPS BAFFLE               5 2T2 1 2 5        R 2   3 1   2
03B03X
27INST PIN PULLER SQUIB        25 2T2 1 2          I 1  13 2  12
04B10X04B11X04B08X
28SECURE IN TENT              763  T2          5 27T17 763
00000
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29TURN POWER ON                 24  T2          5 13T27  24
00000
TASK 06  DAY 143  11/07/68
 1TURN GYROS ON                225  T2          5 29T27 225
00000
 2TURN GYROS OFF               410  T2          6  1T27 410
00000
 3REM CLOCK                     10 2T2 1 2 5       R 2   5 1   5
03B04X01A02 02A   02B   02C
 4INST CLOCK                     5 2T2 1 2 5       I 1   3 2   2
03B04X01A02 02A   02B   02C
 5REM CONE                      10 2T2 1 2 5   4 10R 2   5 1   5
03B05X03A   03B   01A02 15A04
 6INST CONE                     10 2T2 1 2 5   6  5I 1   5 2   5
03B05X03A   03B   01A02 15A04
 7SEC CABLES /OSE                5  T2              T27   5
00000
 8SECURE IN TENT               765  T2          6  7T27 765
00000
TASK 07  DAY 144  11/08/68
 1TURN POWER ON                140  T2          6  8T27 140
00000
 2REM SCI PLAT                 310 3T2 4 6          R 1 102 2 10515 103
03A   03B   15A04 01A02
 3INST SCI PLAT                190  T2 4 6      7  2I 1  60 2  6015  70
03A   03B   15A04 01A02
 4TURN POWER OFF                 5  T2          7  1T27   5
00000
 5SECURE IN TENT               795  T2          7  4T17 795
00000
TASK 08  DAY 145  11/09/68
 1SECURE IN TENT                15  T2          7  5T17  15
00000
 2TURN POWER ON                565  T2          7  4T27 565
00000
 3TURN POWER OFF                50  T2          8  2T27  50
00000
 4SECURE IN TENT               810  T2          8  3T17 810
00000
TASK 09  DAY 146  11/10/68
 1SECURE IN TENT              1440  T2          8  4T171440
00000
TASK 10  DAY 147  11/11/68
 1SECURE IN TENT              1440  T2          9  1T171440
00000
TASK 11  DAY 148  11/12/68
 1SECURE IN TENT                30  T2         10  1T17  30
00000
 2PREP TO REM BAY 6             12  T2              T27  12
00000
 3REM BAY 6                    163 2T2 1 2 5       R 2  82 1  81
10A00W10B00W10C00W
 3INSTALL PARTS                     T               I
10B00W
 4RETURN CASE 6 TO GAS         100 2T2              T 5  5026  50
10A  X10B  X10C  X
 5PREP FOR TV SIM TESTS         73 2T2              T27  73
00000
 6TURN POWER ON                481  T2          8  3T27 481
00000
 7TURN POWER OFF                13  T2         11  7T27  13
00000
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 8REM SCI WIRING                15 2T2          7  2R11  15
03B00W03A
 9SECURE IN TENT               553  T2         11  8T17 553
00000
TASK 12  DAY 149  11/13/68
 1SECURE IN TENT                30  T2         11  9T17  30
00000
 2REM IRR                       10 2T2 1 2 5   5 21R 2   5 1   5
03B06X03B07 03A
 3REM WIDE ANG CAMERA            2 2T2 1 2 5       R 2   1 1   1
03B10X03B11 03A
 4REM FEPS                       3 2T2 1 2 5   5 26R 2   2 1   1
03B03X03A
 4REM UVS                       15 2T2 1 2 5   5 23R 2   7 1   8
03B08X03B09 03A
 5REM MARS GATE                  5 2T2 1 2 5   5  9R 2   3 1   2
03B01X03A
 6REM MARS GATE 2               10 2T2 1 2 5       R 2   5 1   5
03B02X03A
 7REM NARR ANG TV               95 2T2 1 2 5       R 2  47 1  48
03B12X03B13 03B14 03A
 8REM IRS GAS STORAGE            5 2T2 1 2 5   5 18R 2   3 1   2
03B15X03A
 9REM IRS VENT                   5 2T2 1 2 5   5 11R 2   3 1   2
03B17X03B18 03B19 03A
10REM MONO TEL                  20 2T2 1 2 5       R 2  10 1  10
03B16X03A
11REM L/G ANT DAMPER             5 2T2 1 2 5       R 2   3 1   2
02A03X02A   02B   02C
12REM H/G ANT DAMPER             5 2T2 1 2 5       R 2   3 1   2
02A04X02A01 02A02 02B   02C
13REM L/G ASSY                  15 2T2 1 2 5  12 11R 2   7 1   8
02A01X02A02X02B   02C
14REM TCFM                      15 2T2 1 2 5       R 2   7 1   8
02B01X02B02 02C
15REM H/G ASSY                  25 2T2 1 2 5  12 12R 2  13 1  12
02C01X02C02 02C03 02C04
16REM H/G ANT CABLE             25 2T2 1 2 5  12 15R 2  13 1  12
02C03X02C02X02C04X
17REM MOTOR                     35 2T2 1 2 5 4     R 2  10 1  10 5  15
06A0CW06B00W06C00W06D00W
18REM SIT                        1 2T2 1 2 5   4  8R 2   1
01B05X
19REM BATT                      12 2T2 1 2     3 40R 2   4 1   426   4
12B06X12A01
20REM SCAN ACTUATOR 1            5 2T2 1 2 5       R 2   3 1   2
03B04X01A02
21REM SCAN ACTUATOR 2           10 2T2 1 2 5       R 2   5 1   5
03B05X01A02 03A
22REM SHEAR PLATE               45 1T2 1 2 5       R 2  23 1  22
11A03X11A01
23REM CASE 7                   115 2T2 1 2 5       R 2  58 1  57
11A01X11B   11C
24REM MODS CASE 7               60 2T2 1 2 5  12 24R 2  30 1  30
11B05X11B06X11B07X11B08X11B01X11B02X11B03X11B04X11A01 11C
25REM CANOPUS SENSOR           115 2T2 1 2 5   4 16R 2  58 1  57
13B08X13B09 13B10 13B11 01A02
26REM CASE 5                    10 2T2 1 2 5       R 2   5 1   5
09A00W09B00W09C00W
27DEMATE CONNECTORS             10 2T2 1 2 5  12 26R 2   4 1   411   2
09C01X
28REM CASE 5 MODS               15 2T2 1 2 5  12 27R 2   7 1   8
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09B00W09A01 09C01
29REM CASE 3 SHEAR PLATE       45 1T2 1 2 5       R 2  23 1  22
07A03X07A
30REM GYRO CONTROL             15 2T2 1 2 5       R 2   8 1   7
07B06X07B01 07B02 07B03 07B04 07B05 07A05 07A01
31REM BAY 3                    15 2T2 1 2 5       R 2   8 1   7
07A00W07B00W07C
32REM SUPPORT CHAS             15 2T2 1 2    12 31R 2   8 1   7
07A05X07A01 07B   07C
33REM BAY 3 MODS               15 2T2 1 2 5  12 31R 2   8 1   7
07B01X07B02X07B03X07B04X07B05X07C   07A01
34REM WIRE HARN BAY 5          45 3T2 1 2 51212 31R 2  23 1  22
09C01X09A01
35REM CASE 1                   10 2T2 1 2 5       R 2   5 1   5
05A00W05B00W05C00W
36REM WIRE HARN CASE 3         10 3T2 1 2 51212 35R 2   5 1   5
07C02X07C01 07C03 07A01
37REM CASE 4                   15 2T2 1 2 5       R 2   7 1   8
08A00W08B00W08C00W
38REM CASE 8                   10 2T2 1 2 5   3 37R 2   5 1   5
12A01X12B   12C
39DEMATE HARN CASE 8            5 3T2 1 2 51212 38R 2   2 1   211   1
12C01X12B   12A01
39INSTALL PARTS                    T              I
12C00W
40REM MODS CASE 8              10 2T2        12 38R 2   5 1   5
12B01X12B02X12B03X12B04X12B05X12C01 12A01
41SECURE IN TENT              507  T2        12 40T17 507
00000
TASK 13  DAY 150  11/14/68
 1SECURE IN TENT               20  T2        12 41T17  20
00000
 2REM MODS BAY 4               20 2T2 1 2 5       R 2  10 1  10
08B00W08A01 08C
 3REM OSE CABLES               15 3T2 1 2 5       R27  15
00000
 4REM HARN BAY 4                8 3T2 1 2 51213  2R 2   2 1   211   214   2
08C01X08A01 08C02
 5REM HARN BAY 4               18 3T2 1 2 51213  2R 2   5 1   511   414   4
08C02X08A01
 6REM CASE 1 PYRO MODS          8 2T2 1 2 5  12 35R 2   4 1   4
05B01X05B02X05B   05A01 05C
 7REM MODS CASE 1               5 2T2 1 2 5  13  6R 2   3 1   2
05B03X05B04X05B06X05B07X05B08X05B09X05B10X05B11X05B12X05A01 05C
 8REM HARNESS BAY 1            44 3T2 1 2 512     R 2  11 1  1111  1114  11
05C01X05C02X05C03X05C04X05A01X
 9REM SCAN SHIELD              32 2T2 1 2 5       R 2  16 1  16
14A03X03A   15B00E
10REM SCAN PLAT                40 3T2 1 2 5       R 2  15 1  15 5  10
03A00W15A04 01A02
11INSP UP RING HARN CONNS      30 2T2             R 6  15 9  15
15A01X15A02X15A03X15A05 15A06
12REPLACE SPRING ON TC RNG    142 2T2 1 2 5       I 1  71 2  71
14A34X14A35X01A02 15A04
13RAISE POSITIONER             88 4T2             T16  88
00000
14MOVE S/C TO PIT              32 4H2             T 3  1616  16
01A01
15PRESS A/C SYSTEM            113 1P2        13 14T27 113
13A01X13A09X01A01
16LEAK TEST A/C SYS            15 2P2        13 15T27  15
13A01X13A09X01A01
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17SECURE IN PIT                 810  P2          13 16T20 810
00000
TASK 14  DAY 151  11/15/68
 1SECURE IN PIT                 570  T2          13 17T20 570
00000
 2TEST ELECT EQUIP/AC LEAK      420  T2               T27 420
00000
 3SECURE IN PIT                 450  T2          14  2T20 450
00000
TASK 15  DAY 152  11/16/68
 1SECURE IN PIT                  30  T2          14  3T20  30
00000
 2TEST ELECT EQUIP/AC LEAK      720  T2          14  2T27 720
00000
 3SECURE IN PIT                 240  T2          15  2T20 240
00000
 4TEST ELECT EQUIP/AC LEAK      450  T2          15  2T27 450
00000
TASK 16  DAY 153  11/17/68
 1TEST ELECT EQUIP/AC LEAK     1440  T2          15  4T271440
00000
TASK 17  DAY 154  11/18/68
 1TEST ELECT EQUIP/AC LEAK     1440  T2          16  1T271440
00000
TASK 18 DAY 155  11/19/68
 1TEST ELECT EQUIP/AC LEAK     1440  T2          17  1T271440
00000
TASK 19  DAY 156  11/20/68
 1TEST ELECT EQUIP/AC LEAK      390  T2          18  1T27 390
00000
 2SECURE IN PIT                1050  T2          19  1T201050
00000
STAGE   6 DISASSEMBLY, INSPECTION AND REASSEMBLY AND SUBSYSTEM CHECKOUT
TASK 01  DAY 157  11/21/68
 1INST CASE 8 MODS              50 2T2 1 2 5       T 1  25 2  25
12B01X12B02X12B03X12B04X12B05X12A01
 2TORQUE ALL MODS               12 2T2 5       1  1I 1   6 2   6
12B01X12B02X12B03X12B04X12B05X12A01
 3INST HARN BAY 3                9 2T2 1 2 512     I 1   2 2  211   314   2
07C01X07C02X07C03X07A01
 4INST TIE HARN                 30 2T2 1 2 512     I 1  10 2 1014  10
07C01X07C02X07C03X07A01
 5REL BAY 3 BRACKETS             2 1T2             T25   2
00000
 6MOUNT CONNECTOR BRACKET       15 2T2 1 2 5       I 1   7 2   8
07C01X07C02X07C03X07A01
 7TORQUE BAY 3                 190 1T2 5           I 1  95 2  95
07C00W07A01
 8VERIFY TORQUE BAY 8            5 1T2 5       1  2T 1   1 2   4
12B  X12A01
 9TORQ CONN CASE 3              13 1T2 5           T 1   3 2  10
07C  X07A01
10RETORQ BAY 8 CONN              3 2T2 5           T 1   1 2   2
12B  X12A01
11COMPLETE BAY 3 TORQUE         69 3T2 5       1  7T 1   9 2  60
07C  X07A01
12INST/TORQ HARN SUPP            3  T2 5           T 1   1 2   2

13INST SCAN SERVO-AMP            4 2T2 1 2 5       I 1   2 2   2
05B12X05A01
14INST SCAN LOGIC                1 2T2 1 2 5       I 2   1 2
05B10X05B12 05A01
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15INST SCAN POWER                 1 2T2 1 2 5       I 2   1
05B11X05B10 05B12 05A01
16INST HEAT DC DIST               1 2T2 1 2 5       I 2   1
05B07X05B10 05B11 05B12 05A01
17INST CASE 1 MODS               30 2T2 1 2 5   1 12I 1  15 2  15
05B00W05A01
18SECURE IN PIT                1002  P2          1 17T201002
00000
TASK 02  DAY 158  11/22/68
 1PREP TO MOVE S/C FROM PT       30 4P2          1 18T27  30
00000
 2REM S/C FROM PIT               12 4P2          2  1R13   616   6
01A01X13A01X13A09X
 3LOWER S/C TO HIGH BAY FL       48 4H2          2  2T 3  2416  24
01A01X13A01X13A09X
 4REM S/C FROM U RNG/ROTAB        2 4H2          2  3R 3   116   1
01A01X13A01X13A09X
 5INST TIE CLAMPS BAY 3          40 2T2 1 212   1  7I 1  13 2  1314  14
07C00W07A01
 6INST BAY 1 HARNS                7 3T2 1 2 5   1 12T 1   1 2   211   214   2
05C04X05C01X05A01 05B
 7INST BAY 3 GUIDE PINS          43 2T2 1 2 5       I 1  22 2  21
07C00W07C01
 8INSP OCTAGON ASSY              20 2H2             T 9  20
00000
 9INST FIXTURE BAY 7              8 2T2 1 2         I 1   3 2   3 5   2
11A01X
10INST HARN BAY 7                 7 3T2 1 2 5       I 1   2 2   214   3
11C01X11C02X11C03X11A01
11INST TIE WRAPS BAY 7           83 2T2 1 2     2 10I 1  30 2  3014  23
11C01X11C02X11C03X11A01
12SEC CONN BAY 8                 30  T2 1 2     1 10I 1   8 2   811   814   6
11C01X11C02X11C03X11A01
13SEC CONN BAY 7                155  T2 1 2     2 11I 1  39 2  3911  3914  38
00000
14SEC CONN BAY 7                  8  T2 1 2     2 13I 1   2 2   211   214   2
00000
15SECURE IN TENT                947  T2         2 14T17 947
00000
TASK 03  DAY 159  11/23/68
 1INST HARN SCAN PLAT             30 3T2 1 2 5       I 1   8 2   711   714   8
15B01X15B02X15B03X15B04X03A01
 2SEC TORQ TUBE                   42 2T2 1 2 5   3  1I 1  21 2  21
15B01X15B02X15B03X15B04X03A01
 3INST SCAN PLAT HARN             20 3T2 1 2 5       I 1   5 2   511   514   5
15B01X15B02X15B03X15B04X03A01
 4ADJUST SCAN TORQ TUBE           60 2T2 1 2 5   3  3T 1  30 2  30
15B01X15B02X15B03X15B04X03A01
 5ROUT HARN                       10 2T2 1 2 5   3  3T 1   5 2   5
15B01X15B02X15B03X15B04X03A01
 6SEC CONN SCAN SCI HARN          10 2T2 1 2 5       T 1   5 2   5
15B01X15B02 15B03 15B04 03A01
 7TORQUE CLAMPS SCAN PLAT         10 2T2 5           T 2   5 1   5
03A01X15B01 15B02 15B03 15B04
 8INST PLAT HEAT HARN              5 2T2 1 2 5       T 2   2 1   111   114   1
15A07X03A01 15B01 15B02 15B03 15B04
 9TORQUE CLAMPS SCAN PLAT         23  T2             T 2  12 1  11
15A07 03A01X15B01 15B02 15B03 15B04
10SECURE IN TENT               1230  T2             T171230
00000
TASK 04  DAY 160  11/24/68
 1SECURE IN HIGH BAY            1440  H2             T181440
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00000
TASK 05  DAY 161  11/25/68
 1SECURE IN HIGH BAY          30  H2          4  1T18  30
00000
 2INSP OCTAGON STRUCT        175 2H2          2  8T 9  60 6  60 7  55
01A01 13A01 13A09
 3MOVE S/C TO TENT/C2/REQ    265 4T2          2  4T16 165 3 100
01A01 13A01 13A09
 4INST SCAN PLAT ASSY         15 3T2 1 2 5    3  4I 1   5 2   5 9   5
03A01X15B   01A02 15A04
 5INST OSE BRACE              20 2T2 1 4 6       I 1   7 2   715   6
01A02X
 6REM CASE 8 MOD              35 2T2 1 2 5    1  2R 2  18 1  17
12B01X12B   12C   12A01
 7SECURE IN TENT             900  T2          1   T17 900
00000
TASK 06  DAY 162  11/26/68
 1SECURE IN TENT              25  T2          5  7T17  25
00000
 2INST HARN ON UPPER RING     20 2T2 1 2 5       I 1   5 2   511   514   5
15B01X15A03X01A02 15A01 15A02
 3INST HARN ON UPPER RING     13 2T2 1 2 5       I 1   4 2   411   314   2
15B03X15A03X01A02 15A01 15A02
 4INST HARN ON UPPER RING      4 2T2 1 2 5       I 1   1 2   111   114   1
15B04X15A03X01A02 15A01 15A02
 5TORQUE SCAN PLAT BEAR       13 1T2 5        5  4I 1   7 2   6
03A01X
 6CK VIOLATIONS C/2           45  T2              T27  45
00000
 7INST HARN ON UPPER RING     30 2T2 1 2 5       I 1   7 2   811   714   8
15A06X15A03X01A02 15A01 15A02
 8DIP-DAUBED SCREWS           15 1T2             T12  15
11A01X
 9INST CABLE CLAMPS           33 2T2 1 2 5       I 1  11 2  1114  11
03A01X15B
10SPLICE SCAN HARN            11 1T212        6  7T14  11
03B21X15B   01A02 15A04
11INST SCAN PLAT COVER        90 2T2 1 2 5    5  4I 1  45 2  45
03A01X15B   15A04 01A02
12CK TORQUE SCAN PLAT         45 2T210        5  4T10  45
03A01X
13REWORK OCTAGON ASSY        112 3T2          5  2T12 112
01A01X
14INSP OCTAGON ASSY            2  T2          6 14T 9   2
00000
15REM DUMMY SCAN PLAT         26 2T2 1 2      5  4R 2  13 1  13
03A01X15B
16INST MODS CASE 3            20 2T2 1 2 5    1 11I 1  10 2  10
07B01X07B02X07B03X07C   07A01
17SECURE IN TENT             254  T2          6 16T17 254
00000
18INST/TORQ CASE 8 MODS       31 2T2 1 2 5       I 1  16 2  15
12B01X12B   12A01 12C01
19INST CASE 8                 25 2T2 1 2 5       I 1  13 2  12
12A01X12B   12C
20INST CASE 1 MODS            35 2T2 1 2 5       I 1  18 2  17
05B01X05B02X05B   05C   05A01
21INST/TORQ CASE 1 MODS        5 2T2 1 2 5       I 2   3 1   2
05B08X05B09X05B   05C   05A01
22TORQUE CASE 1 MODS          70 2T2 5           I 2  35 1  35
05B08X05B09X05B   05C   05A01
23INST ICEM HARN               7 2T2 1 2 5       I 2   2 1   211   214   1
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05C02X05C01 05C04 05A01 05B
24INST CASE 7 MODS /TORQ        8 2T2 1 2 5       I 1   4 2   4
11B01X11B02X11B03X11B04X11C   11A01
25SECURE IN TENT              501  T2          6 24T17 501
00000
TASK 07  DAY 163  11/27/68
 1SECURE IN TENT               35  T2          6 25T17  35
00000
 2INST MOD CASE 3              10 2T2 1 2 5   1 11I 1   5 2   5
07B04X07B01 07B02 07B03 07C   07A01
 3INST SUPP CHAS               16 2T2 1 2 5       I 1   8 2   8
07A05X07A01 07B01 07B02 07B03 07B04 07C
 4TORQUE CASE 3 SCREWS          9 1T2 5       7  2T 2   9
07A05X07A01 07B01 07B02 07B03 07B04 07C
 5INSP PYRO CONNS              15 1T2          6 20I 9  15
00000
 6INST MODS CASE 4             16 2T2 1 2 5   6 24I 1   8 2   8
08B00W08A01
 7TORQUE CASE 4                12 1T2 5       7  6T 1   6 2   6
08B  X08A01
 8VERIFY TORQUE HARN BRACK     13 1T2 5       7  7T 2  13
08B  X08A01
 9INST HARN CASE 4              6 2T2 1 2 5       I 1   2 2   111   114   2
08C01X08C02X08A01 08B
10VERIFY TORQUE HARN SUPP       4 1T2 5       7  8T 1   2 2   2
08A01 08B   08C
11TORQUE CONN CASE 4           86 2T2          7  9I11  86
08C01X08C02X
12INST CASE 1                  32 2T2 1 2 5   1 12I 1  16 2  16
05A01X05B00W05C00W
13INST CASE 4                  13 2T2 1 2 5   7  9I 2   7 1   6
08A01X08B   08C
14TORQUE CASE 7                10 1T2 5       2 14I 2  10
11A01X11B01X11B02X11B03X11B04X11C
15INST CASE 7                  27 2T2 1 2 5   7 14I 1  13 2  14
11A01X11B01X11B02X11B03X11B04X11C
16INST CLOCK ACTUATOR           3 2T2 1 2 5       I 1   1 2   2
03B04X
17INST CONE ACTUATOR            4 2T2 1 2 5       I 1   2 2   2
03B05X03A01
18INST DRIVE LINKS             13 2T2 1 2         I 1   7 2   6
03B04X03B05X01A02 03A01 15A04
19SECURE IN TENT             1115  T2          7 18T171116
00000
TASK 08  DAY 164  11/28/68
 1SECURE IN TENT             1440  T2          7 19T171440
00000
TASK 09  DAY 165  11/29/68
 1SECURE IN TENT             1440  T2          8  1T171440
00000
TASK 10  DAY 166  11/30/68
 1SECURE IN TENT             1440  T2          9  1T171440
00000
TASK 11  DAY 167  12/01/68
 1SECURE IN TENT             1440  T2         10  1T171440
00000
TASK 12  DAY 168  12/02/68
 1SECURE IN TENT               40  T2         11  1T17  40
00000
 2INSP TENT/C/2                35 3T2              T27  35
00000
 3INST TOOL PLATE              55 2T2 1 2 5       I 1  20 2  2015  15
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07A01X
 4INST OPTICAL INSTRUMENTS     12 2T2 1 2          I 1   4 2   4 9   4
03A01X
 5CK HORIZONTAL BAR            12 2T2              T 9  12
07A01X
 6SET HORIZONTAL AXIS           8 1T2              T15   8
00000
 7INST FEPS                     3 2T2 1 2 5        I 1   1 2   2
03B03X03A01
 8INST FEPS HOOD               15 1T2 1       12   7I 1   7 2   8
03B03X03A01
 9INST ANVIL PLATE             21 1T2 1 2          I 1   7 2   715   7
03A01X
10RAISE S/C                     3 1T2           5  3T16   3
00000
11INST SUPPORT LINKAGE        146 2T2 1 2          I 1  50 2  5015  46
03A01 03B03 03B04 03B05 15A04 01A02
12COMPLETE OPTICAL SET UP      35 2T2         12  4T27  35
00000
13TURN POWER ON                95  T2              T27  95
00000
14INST VECTOR ON PROP          35  T2 1 2 4 6      I 1  18 2  17
06B01X06B02X06A   06C   06D
15TURN POWER OFF               25  T2         12 13T27  25
00000
16SECURE IN TENT              900  T2         12 15T17 900
00000
TASK 13  DAY 169  12/03/68
 1ALIGN SCAN                   30  T2              T 9  30
00000
 2TURN POWER ON               200  T2         12 15T27 200
00000
 3TURN POWER OFF               60  T2         13  2T27  60
00000
 4TURN POWER ON               155  T2         13  3T27 155
00000
 5COMPLETE ALIGNMENT           25  T2         13  1T 9  25
00000
 6MOVE S/C                     10 4T2         12 10T16  10
00000
 7REM SCAN PLAT OPT EQUIP      14 2T2 1 2 4 613  5R 2   5 1   515   4
03A01X07A01 01A02
 8TURN POWER OFF               16  T2         13  4T27  16
00000
 9SECURE IN TENT              930  T2         13  8T17 930
00000
TASK 14  DAY 170  12/04/68
 1SECURE IN TENT               85  T2         13  9T17  85
00000
 2TURN POWER ON               138  T2         13  8T27 138
00000
 3TURN POWER OFF               63  T2         14  2T27  63
00000
 4TURN POWER ON                 4  T2         14  3T27   4
00000
 5COMPLETE ALIGN               90 2T2              T 9  90
03A01X
 6REM CLOCK ACTUATOR           10 2T2 1 2 5   7 16R 2   5 1   5
03B04X
 7REM CONE ACTUATOR            41 2T2 1 2 5   7 17R 2  21 1  20
03B05X03B03 03A01 01A02
 8TURN POWER OFF               26  T2         14  4T27  26
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00000
 9LATCH SCAN PLAT                  4 1T2          13  7I 1   4
01A19X01A20X01B01X01B02X03A01X03B03
10INST DUMMY ACT                 13 2T2 1 2          I 1   7 2   6
03A01X03B03
11CK SCAN TORQUE/CLOCK           41 2T210        14  6T10  41
03A01X
12REALIGN SCAN TO CONE            2 2T2          14 10T16   2
03A01X
13CK SCAN TORQUE/CONE            85 2T210        14  7T10  85
03A01X
14MOVE S/C                       13 4H2          13  6T 3  616   7
01A01X13A01 13A09
15POSITION S/C /TORQ             30  T2 2 4 5 6      I 3  1516  15
01A01X13A01 13A09
16VACUUM TENT                    20  T2              T27  20
00000
17SECURE IN TENT                775  T2          14 16T17 775
00000
STAGE   7 SYSTEM TEST
TASK 01  DAY 171  12/05/68
 1PREP JET VALVE LEAK TEST       30 1T2              T27  30
00000
 2TEST JET VALVE LEAK           152 2T210            T10 152
13A05X13A13X13A14X13A15X
 3INST CASE 5 MODS               30 2T2 1 2 5        T 1  15 2  15
09B   X09A01
 4TORQUE CASE 5 MODS              8 2T2 5         1  3I 2   8
09B00W09A01
 5INST HARN CASE 5               12 2T2 1 2 5    1  4I 1   3 2   311   314   3
09C01X09B   09A01
 6TEST JET VALVE LEAK             2 1T210        1  2T10   2
00000
 7MATE MODS                      20 2T2          1  5I11  20
09C01X09B00W09A01
 8TERM JET VALVE TEST            70 1T2          1  6T27  70
00000
 9PREP TO INST CASE 3             1 2T2              T27   1
00000
10PREP TO INST CASE 5             1 2T2          1  5T27   1
00000
11INST CASE 5                    28 2T2 1 2 5    1 10I 1  14 2  14
09A01X09B00W09C00W
12INST CASE 3                    12 2T2 1 2 5    1  9I 1   6 2   6
07B01X07B02X07B03X07B04X07C   07A01
13INST SUN SENSOR HOOD            4 2T2 1            I 1   2 2   2
13B01X
14INST OSE STIMULUS               2 2T2 1            I 1   1 2   1
13B02X
15INST OSE SS STIMULI             4 2T2 1            I 1   2 2   2
13B03X13B04X13B05X13B06X
16INST ATT CONTROL               52 2T2 1 2 5        I 1  26 2  26
07B05X07B01 07B02 07B03 07B04 07C   07A05 07A01
17INST GYRO CONTROL               6 2T2 1 2 5        I 1   3 2   3
07B00W07C   07A01 07A05
18INST CLOCK ACTUATOR             7 2T2 1 2          I 1   3 2   4
03B04X
19INST CANOPUS SENSOR             1 2T2 1 2 5        I 2   1
13B08X13B09X13B10X13B11X
20INST CONE ACTUATOR              6 2T2 1 2          I 1   3 2   3
03B05X
21PREP FOR TEST                   6  T2              T27   6
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00000
22VACUUM MID COURSE MOTOR      13 2T2              T 7  13
06A  X06B  X06C  X06D  X
23INST PROP SYSTEM              2 2T2 1 2 4 6      I 1   1 2   1
06A00W06B00W06C00W06D00W
24INST IRS                     20 2T2 1 2 5        I 1  10 2  10
03B16X
25TURN POWER ON               175  T2              T27 175
00000
26TURN POWER OFF              150  T2          1 25T27 150
00000
27INST MARS GATE 1             15 2T2 1 2 5        I 1   7 2   8
03B01X03B03 03B04 03B05 03B16 03A01
28INST MARS GATE 2             12 2T2 1 2 5    1 27I 1   6 2   6
03B02X03B01 03B03 03B04 03B05 03B16 03A01
29INST IRR                     13 2T2              I 1   7 2   6
03B06X03B01 03B02 03B03 03B04 03B05 03B16 03A01
30TORQUE ATT CONTROL           20 2T2 5        1 16I 2  20
07B05X07B06X07B   07C   07A05 07A01
31SECURE IN TENT              566  T2              T17 566
00000
TASK 02  DAY 172  12/06/68
 1SECURE IN TENT              105  T2          1 31T17 105
00000
 2INST CC+S FUSE                1 1T2              I27   1
00000
 3TURN POWER ON                56  T2          1 26T27  56
00000
 4CK   CANOPUS SENSOR          54 2T2          1 19I27  54
00000
 5PRESS A/C GAS SYS 7G1         9 1T2              T10   427   5
00000
 6STOP PRESS A/C GAS 7G1        7 1T2          2  5T27   7
00000
 7REM PRESSURIZATION 7G1        3 1T2          2  6R27   3
00000
 8INST A/C PRESS 7G2            8 1T2              I27   8
00000
 9PRESS A/C 7G2                10 1T2          2  8T27  10
00000
10STOP PRESS 7G2                1 1T2          2  9T27   1
00000
11TURN GYRO ON                  1  T2          2  3T27   1
00000
12TURN GYRO OFF                 1  T2          2 11T27   1
00000
13REM A/C PRESS 7G2           140 2T2          2 10R27 140
00000
14INST TV MODS                 10 2T2 1 2 5        I 1   5 2   5
11B06X11B07X11B08X11B01 11B02 11B03 11B04 11C   11A01
15INST TV POWER SUPPLY         20 2T2 1 2 5        I 1  10 2  10
11B05X11B   11C   11A01
16INST NARR ANG TV              5 2T2 1 2 5        I 1   3 2   2
03B12X03B13X03B14X03B16 03B01 03B02 03B03 03B04 03B05 03B06 03A01
17INST WIDE ANG TV              5 2T2 1 2 5        I 1   3 2   2
03B10X03B11X03B   03A01
18INST UVS STIMULUS             5 2T2 1 2 5        I 1   3 2   2
03B08X03B09X03B   03A01
19TORQUE WIDE ANG TV           22 2T2 5        2 17I 2  11 1  11
03B12X03B   03A01
20INST SCI STIMULI PLAT        20 3T2 1 2 4 6      I 1   7 2   715   6
03A01X03B   01A02 15A04
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21TORQUE @8@ NUTS A/C          10 2T2 5            I 2  10
13A01X13A09X
22TORQUE CONN                   3 2T2 5        2 18I 2   3
03A01 03B
23INST TV COL                   2 3T2              I15   2
03B
24INST DUMMY SQUIBS PROP       29 2T2 1 2          I 1  15 2  14
06D02X06D04X06D05X06D06X06D07X06C03X06C06X
25TURN POWER OFF              119  T2          2  3T27 119
00000
26REM OSE PLAT                  5 3T2 1 2 4 6 1 14R 2   2 1   215   1
03B   03A01
27INST NARR ANG TV COVER        5 1T2          2 16I 1   5
03B12X
28MOVE S/C                      5  T2              T16   5
00000
29SECURE IN TENT              779  T2          2 28T17 779
00000
TASK 03  DAY 173  12/07/68
 1SECURE IN TENT             1440  T2          2 29T171440
00000
TASK 04  DAY 174  12/08/68
 1SECURE IN TENT             1440  T2          3  1T171440
00000
TASK 05  DAY 175  12/09/68
 1SECURE IN TENT             1440  T2          4  1T171440
00000
TASK 06  DAY 176  12/10/68
 1SECURE IN TENT               39  T2          5  1T17  39
00000
 2TURN POWER ON                 1  T2          2 25T27   1
00000
 3TEST SYSTEMS                  9 1T2              T27   9
00000
 4REM HANDLING FRAME BAY 3     16  T2 1 2      1 12R 2   5 1   515   6
07A01X
 5REM NARR ANG TV COVER         3 1T2          2 27R 1   3
03B12X
 6REM IRS COVER                46 2T2 1 2      1 24R 1  23 2  23
03B16X03A01 03B
 7INST L/G ANT                 51 3T2 1 2 5        I 1  26 2  25
02A00W
 8INST IRS COVER               53 2T2 1 2      6  6I 1  27 2  26
03B16X03A01 03B
 9REM IRS COVER                62 2T2 1 2      6  8R 1  31 2  31
03B16X03A01 03B
10TURN POWER OFF               22  T2          6  2T27  22
00000
11DEMATE CASE 7 ELECTRONIC      2 2T2              R11   2
11B00W11A01 11C
12INST IRS COVER                1 2T2 1 2      6  9I 2   1
03B16X03A01 03B
13INST NARR ANG TV COVER        5 1T2          6  5I 1   5
03B12X
14REM STIM PLAT                15 3T2 1 2 4 6 2 26R 2   5 1   515   5
03B00W03A01 01A02 15A04
15REM IRR                      25 2T2 1 2 5    1 29R 2  13 1  12
03B06X03B07X03B   03A01
16REM WIDE ANG TV              13 2T2 1 2 5    2 17R 2   7 1   6
03B10X03B11X03B16 03B12 03B09 03B01 03B02 03B03 03B04 03B05 03A01
17REM NARR ANG TV               2 2T2          2 16R 2   1 1   1
03B12X03B13X03B14X03B16 03B08 03B01 03B02 03B03 03B04 03B05 03A01
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18TURN POWER ON                 17  T2          6 10T27  17
00000
19PREP TO REM TV MODS            1 2T2          2 14T27   1
00000
20REM EMI SOURCE                 1 2T2          6  7R27   1
00000
21REM BATT                       8 2T2 1 2 5       R 2   4 1   4
12B06X01B05X12A01
22REM TV CONSOLS                 5 2T2 1 2 5   2 15R 2   3 1   2
11B05X11B06X11B07X11B08X11B01 11B02 11B03 11B04 11A01 11C
23INST SIT                      93 2T2 1 2         I 1  47 2  46
01B05X12A01
24TURN POWER OFF                10  T2             T27  10
00000
25SECURE IN TENT                940  T2          6 24T17 940
00000
TASK 07  DAY 177  12/11/68
 1PREP TO TURN POWER ON         30  T2          6 24T27  30
00000
 2INST BATT                      2 2T2 1 2 5       I 1   1 2   1
12B06X12A01X01B05
 3TURN POWER ON                180  T2          7  1T27 180
00000
 4TEST IN PROGRESS             333  T2             T27 333
00000
 5TURN POWER OFF                25  T2          7  3T27  25
00000
 6SECURE IN TENT               870  T2             T17 870
00000
TASK 08  DAY 178  12/12/68
 1SECURE IN TENT                12  T2          7  6T17  12
00000
 2TURN POWER ON                438  T2          7  5T27 438
00000
 3TURN POWER OFF                 2  T2          8  2T 1   2
00000
 4PREP TO CHANGE TCFM           11 2T2             T27  11
00000
 5REM HARNESS                   10 2T2 1 2 512     R 2   2 1   311   214   3
05C03X05C   05B   05A01
 6REM/INST TCFM MODS            17 2T2 1 2 5       X 1   9 2   8
05B09X05B09X05B   05C01 05C02 05C04 05C05 05A01
 7INST TCFM HARN                13 2T2 1 2 5       I 2   3 1   311   314   4
05C03X05C   05B   05A01
 8SECURE IN TENT               937  T2          8  7T17 937
00000
TASK 09  DAY 179  12/13/68
 1SECURE IN TENT                15  T2          8  8T17  15
00000
 2TURN POWER ON                357  T2          8  3T27 357
00000
 3INST SWITCH                    8 2T2 1 2         I 1   4 2   4
02C03X10B
 4INST CABLE CASE 6             12 3T2             I 1   3 2   311   314   3
02A02X10C02X10C03X10C04X01B06X10B   10C01 10A01
 5TURN POWER OFF                 2  T2          9  2T27   2
00000
 6TEST CONN CASE 6              25 2T2             T11  25
10B  X10C01X10A01
 7PREP TO REMOVE CASE 5         19 2T2          1 11T27  19
00000
 8REM BATT                       1 2T2 1 2      7  2R 2   1
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12B06X01B05X12A01
 9REM CASE 5                    12 2T2 1 2 5   9  7R 2   6 1   6
09A01X09B   09C01
10INST TV COMPONENTS             9 2T2 1 2 5   6 22I 1   4 2   5
11B05X11B06X11B07X11B08X11B01 11B02 11B03 11B04 11C   11A01
11INST WIDE ANG TV              24 2T2 1 2 5   6 16I 1  12 2  12
03B10X03B11X03B05 03B01 03BC2 03B03 03B16 03A01
12INST NARR ANG TV               1  T2 1 2 5   6 17I 2   1
03B12X03B13X03B14X03B   03A01
13REM MODS BAY 5                 3 2T2 1 2 5   9  9R 2   2 1   1
09B0CW09C01 09A01
14SHIP MODS TO DIVISION          9 2T2         9 13T27   9
00000
15REM HARN CS 5 QAS              5 2T2 1 212       R 2   1 1   111   114   126
09C01X09A01
16SECURE IN TENT               938  T2         9 15T17 938
00000
TASK 10  DAY 180  12/14/68
 1SECURE IN TENT              1440  T2         9 16T171440
00000
TASK 11  DAY 181  12/15/68
 1SECURE IN TENT              1440  T2        10  1T171440
00000
TASK 12  DAY 182  12/16/68
 1SECURE IN TENT                 75  T2        11  1T17  75
00000
 2SUBT CASE 5 CHAS               30 2T2         9  9I 1  30
09A01X
 3INST CASE 5 MODS               25 2T2 1 2 5   9 13I 1  13 2  12
09B00W09A01X
 4INST HARN                      20 2T2 1 2 5       I 1   5 2   511   514   5
09C01X09B   09A01
 5INST CASE 5                     5 2T2 1 2 5   9  9I 1   3 2   2
09A01X09B   09C
 6CABLE S/C /OSE                 10 2T2             T27  10
00000
 7TURN POWER ON                  55  T2         9  5T27  55
00000
 8INST IRR ASSY                 140 2T2 1 2 5   6 15I 1  70 2  70
03B06X03B07X03B   03A01 15A04 01A02
 9SET UP COL                     95 3T2         9 12T15  95
03B  X
10REM NARR ANG TV COVER          25 1T2         6 13R 1  25
03B12X03B
11INST CANNON LIGHT SOURCE       85  T2             I15  85
03B10X
12COMP TEST                      10  T2        12  9T27  10
00000
13INST NARR ANG TV COVER         10 1T2        12 10I 1  10
03B12X03B
14TURN POWER OFF                 50  T2        12  7T27  50
00000
15SECURE IN TENT                805  T2        12 14T17 805
00000
TASK 13  DAY 183  12/17/68
 1SECURE IN TENT                  5  T2        12 15T17   5
00000
 2INST BATT                      30  T2 1 2 5   9  8I 1  15 2  15
12B06X12A01 01B05X
 3TURN POWER ON                  45  T2        12 14T27  45
00000
 4REM COVER / RUN TEST          480 1T2        12 13R 1  1027 470
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03B12X03B
 5INST NARR ANG TV COVER        5 1T2         13  4I 1   5
03B12X03B
 6TURN POWER OFF                5  T2         13  3T27   5
00000
 7SECURE IN TENT              870  T2         13  6T17 870
00000
TASK 14  DAY 184  12/18/68
 1PREP TO REMOVE IRR           30  T2         12  8T27  30
00000
 2REM IRR                      10 2T2 1 2 5  14  1R 2   5 1   5
03B06X03B07X
 3TURN POWER ON               280  T2         13  6T27 280
00000
 4TURN POWER OFF               30  T2         14  3T27  30
00000
 5INST IRR                     10 2T2 1 2 5  14  2I 1   5 2   5
03B06X03B07X
 6INST SCI STIM PLAT            5 3T2 1 2 4 6     I 1   2 2   215   1
03B00W03A01
 7TURN POWER ON               205  T2         14  4T27 205
00000
 8TURN POWER OFF               60  T2         14  7T27  60
00000
 9SECURE IN TENT              810  T2         14  8T17 810
00000
TASK 15  DAY 185  12/19/68
 1SECURE IN TENT               35  T2         14  9T17  35
00000
 2INST NARR ANG TV COVER       15 1T2         14  6I 1  15
03B12X03B
 3REM IRR ASSY                  5 2T2 1 2 5  14  5R 2   2 1   3
03B06X03B07X03B
 4REM SCI STIM PLAT           105 3T2 1 2 4 614  6R 2  35 1  3515  35
03B   03A01 01A02 15A04
 5INST LEAK CK ON IRS          20 1T2          6  9I10  1027  10
00000
 6REPLACE IRS VALVES          265 2T2 1 2 4 515  5T 1  90 2  9010  85
03B16X03B15X03A01 03B   01A02 15A04
 7DEMATE CONN                   5 2T2         15  6T11   5
03B10X03B12X
 8REM TVS                      15 2T2 1 2 5      R 2   5 1   526   5
03B10X03B11X03B12X03B13X03B14X03A01
 9REM CASE 7 MODS TV           50 2T2         12  5R 2  20 1  2026  10
11B05X11B06X11B07X11B08X11B01 11B02 11B03 11B04 11C   11A01
10CLEAN IRS VALVE               5 2T2         15  6T 6   5
03B16X03B15X
11SECURE IN TENT              920  T2         15 10T17 920
00000
TASK 16  DAY 186  12/20/68
 1SECURE IN TENT               25  T2         15 11T17  25
00000
 2INST NARR ANG TV              5 2T2 1 2 5      I 1   3 2   2
03B10X03B11X
 3INST WIDE ANG TV             12  T2 1 2 5      I 2   6 1   6
03B12X03B13X03B14X
 4INST TV POWER SUPPLY        103 2T2 1 2 5      I 1  52 2  51
11B05X11B06X11B07X11B08X11B01 11B02 11B03 11B04 11A01 11C
 5SOLDER IRS WIRES             15 2T21113    15 10T 1   5 2   5 8   5
03B15X03B16
 6SET UP TEST EQUIP             5 2T2          9 11T 1  315   2
03B  X
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 7RESOLDER IRS WIRES          195 2T2          16  5T 1  50 2  50 8  95
03B15X03B16
 8INST NARR ANG TV COVER       10 1T2          16  6I 1  10
03B12X
 9DEMATE WIDE ANG TV            2 2T2          16  2T11   2
03B10X
10DEMATE NARR ANG TV           13 2T2          16  6T11  13
03B12X
11MATE BREAKOUT BOX            10  T2               T27  10
00000
12TURN POWER ON                47  T2          14  8T27  47
00000
13TURN POWER OFF                3  T2          16 12T27   3
00000
14DEMATE BREAKOUT BOX          15  T2          16 11T27  15
00000
15TURN POWER ON                50  T2          16 13T27  50
00000
16TURN POWER OFF               10  T2          16 15T27  10
00000
17REM WIDE ANG TV               5 2T2 1 2 5    16  9R 2   3 1   2
03B10X03B11X
18REM NARR ANG TV              10 2T2 1 2 5    16 10R 2   5 1   5
03B12X03B13X03B14X
19REM CASE 7 MODS              49 2T2 1 2 5    15  9R 2  24 1  25
11B05X11B06X11B07X11B08X11B01 11B02 11B03 11B04 11C   11A01
20TEST IRS                     10  T2          16  7T10  10
00000
21SECURE IN TENT              846  T2          16 20T17 846
00000
TASK 17  DAY 187  12/21/68
 1SECURE IN TENT             1440  T2          16 21T171440
C0000
TASK 18  DAY 188  12/22/68
 1SECURE IN TENT             1440  T2          17  1T171440
00000
TASK 19  DAY 189  12/23/68
 1SECURE IN TENT               70  T2          18  1T17  70
C0000
 2REM OSE STIM                  2 2T2 1 2       1 14R 1   1 2   1
03B03X
 3INST FLT  HOOD                1 1T2 1 2           R 2   1
14A57X
 4REM STIM UVS                  1 1T2 1 2           R 2   1 1
03B08X
 5INST UVS COVER                1 1T2               I 1   1
03B08X
 6REM STIM MARS GATE           55 2T2 1 2       1 27R 2  28 1  27
03B01XC3B02X
 7TORQUE SIT                   10 1T2 5         6 23I 1   5 2   5
01B05X
 8REM OSE CABLING              83  T2          19  2R27  83
00000
 9REM L/G DAMPERS              32 2T2 1 2 5        I 2  16 1  16
02A03X02A04X02A01 02A02 02B
10REM L/G ANTENNA             170 3T2 1 2 5    6  7R 2  85 1  85
02A01X02A02X02B01X02B02X
11ELECT CON TV CONNS           45 2T2              T27  45
00000
12ELECT CON TV HARN            90  T2              T27  90
00000
13RAISE S/C TO UPRIGHT POS     15  T2           2 28T16  15
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00000
14SECURE IN TENT                865  T2          19 13T17 865
00000
STAGE   8 PREPERATION FOR SHIPMENT , SHIP TO CAPE
TASK 01  DAY 190  12/24/68
 1SECURE IN TENT                15  T2               T17  15
00000
 2REM GYRO CONTROL              15 2T2 1 2 5        R 2   7 1   8
07B06X07B   07C   07A05 07A01
 3REM PROP UNIT                 15 3T2 1 2 4 6      R 2   5 1   5 5   5
06A00W06B00W06C00W06D00W
 4REM CASE 3 PINS                5 2T2 1 2 5        R 2   3 1   2
07A01X
 5REM CANOPUS SENSOR             5 2T2 1 2 5        R 2   3 1   2
13B08X13B09X13B10X13B11X
 6INST SHEAR PLATE              85 2T2 1 2 5        I 2  43 1  42
07A03X07A01X
 7INST CASE 4                   10 2T2 1 2 5        I 1   5 2   5
08A01X08B   08C
 8INST CASE 5                   15 2T2 1 2 5        I 1   7 2   8
09A01X09B   09C
 9INST CASE 8                   15 2T2 1 2 5        I 1   8 2   7
12A01X12B   12C
10INST CASE 1                   15 2T2 1 2 5        I 1   8 2   7
05A01X05B   05C
11SECURE IN TENT              1245  T2          1 10T171245
00000
TASK 02  DAY 191  12/25/68
 1SECURE IN TENT              1440  T2               T171440
00000
TASK 03  DAY 192  12/26/68
 1PREP S/C FOR SHIPMENT         50 4T2               T30  50
01A02X
 2REM CASE 7 PINS DAS MODS      25 1T211             R 2  13 1  12
11B01X11B02X11B03X11B04X11A01 11C
 3INST SHEAR PLATE CASE 7       15 2T2 1 2 5        I 1   7 2   8
11A03X11A01
 4INST BAY 2 SHIELD             75 2T2 1 2 5        R 2  38 1  37
06D03X06B
 5INST DUMMY PLATE CASE 6       20 2T2 1 2 5   1  7R 2  10 1  10
10A01X10A
 6TORQUE @V@ BAND              160 1T2 5            I 2 160
01A02X
 7WRAP S/C                      30 3T2               T29  30
01A01X13A01 13A09
 8INST H/G ANTENNA              55 3T2 1 2 5        I 1  28 2  27
02C00W
 9INST TENT FRAME/SHIP          45 4T2 2 4 6        I 1  23 2  22
01A01X13A01 13A09 02C
10INST COVER                     5 4T2               I29   5
01A01X13A01 13A09
11MOVE S/C TO VERT POS          30  T2          3  7T16  30
00000
12SECURE IN TENT               930  T2          3 11T17 930
00000
TASK 04  DAY 193  12/27/68
 1PREP TO MOVE S/C TO TRAN      75  H2          3 11T15  3816  37
00000
 2INST S/C ON TRANSPORTER      195  H2          4  1I16 100 3  95
00000
 3SECURE IN SHIP              1170  N5          4  2T311170
00000
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TASK 05  DAY 194  12/28/68
 1SECURE IN SHIP              1440  N5          4  3T311440
00000
TASK 06  DAY 195  12/29/68
 1SECURE IN SHIP              1440  N5          5  1T311440
00000
TASK 07  DAY 196  12/30/68
 1SECURE IN SHIP                45  N5          6  1T31  45
00000
 2REM S/C FROM TRANSPORTER      20 4T2          4  2R 3  1016  10
01A01X13A01 13A09 02C
 3PREP TO LOWER SCAN PLAT       20  T2              T27  20
00000
 4DEMATE SCAN PLAT HARN         40 2T2 1 2 5    7  3T11  40
05C04X05B  X15A01X15A02X15A03X03B15 03B16 03B01 03B02 03B03
 5DEPRESS SCAN PLAT              5 2T2          7  3T27   5
00000
 6LOWER SCAN PLAT               10 3T2          7  5T 1  10
01A19X01A20X01A21X01B01X01B02X03A01X
 7REM CLOCK ACTUATOR            85 2T2 1 2 5    7  6R 2  43 1  42
03B04X01A02 02C
 8REM SCAN PLAT HARN           105 3T2 1 2 512 7  4R 2  26 1  2611  2714  26
05C04X05B00W15A01X15A02X15A03X03B15 03B16 03B01 03B02 03B03
 9INST CLOCK ACTUATOR            1 2T2 1 2 5    7  7I 2   1
03B04X
10PREP TO SHIP S/C               9 4T2          7  9T30   9
01A01X
11RAISE SCAN PLAT                1 2T2          7 10T15   1
03A01X
12PRESS SCAN PLAT                9 2T2          7  5T27   9
00000
13STOP PRESSURIZATION           15  T2          7 12T27  15
00000
14RAISE S/C TO VERT POS          5  T2          7 13T16   5
00000
15LOWER S/C TO TRANSPORTER       5  H2          7 14T16   3 3   2
01A01X13A01 13A09 02C
16COVER S/C START PURGE         10  N2              T29  10
01A01X13A01 13A09 02C
17SECURE IN SHIP              1055  N2          7 16T311055
00000
TASK 08  DAY 197  12/31/68
 1TRANSPORT S/C               1440  N5          7 17T211440
00000
TASK 09  DAY 198  01/01/69
 1TRANSPORT S/C               1440  N5          8  1T211440
00000
TASK 10  DAY 199  01/02/69
 1TRANSPORT S/C               1440  N5          9  1T211440
00000
TASK 11  DAY 200  01/03/69
 1TRANSPORT S/C               1440  N5         10  1T211440

TASK 12  DAY 201  01/04/69
 1TRANSPORT S/C               1440  N5         11  1T211440
00000
TASK 13  DAY 202  01/05/69
 1TRANSPORT S/C               1440  N5         12  1T211440
00000
STAGE   9 SYSTEM TEST AND ( AO OPERATIONS ) CHECKOUT, PREPERATION
TASK 01  DAY 203  01/06/69
 1SEC S/C IN AO HANGER         122  02              T27 122
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00000
 2REM S/C FROM VAN            268  02          1  1R27 268
00000
 3SEC S/C IN AO HIGH BAY        2  02          1  2T27   2
00000
 4PREP TO MOVE S/C TO POS      40  02          1  3T27  40
00000
 5SEC S/C ON POSITIONER        18  02          1  4T16   9 3   9
00000
 6REM PLASTIC CAGE COVER        2  02          1  5R 3   1 1   1
00000
 7PREP TO REMOVE CAGE           2  02          1  6T27   2
00000
 8REM CAGE                     18 402 1 4 6    1  7R29  18
01A01X13A01 13A09 02C
 9CK SCAN PRESS                 1  0210            T10   1
00000
10VACUUM OSE EQUIP              7  02              T27   7
00000
11SECURE IN AO HIGH BAY       960  02          1 10T22 960
00000
TASK 02  DAY 204  01/07/69
 1SECURE IN AO HIGH BAY        62  02          1 11T22  62
00000
 2VACUUM L/G ANT               13 302              T 7  13
02A  X02B  X
 3BLEED SCAN PLAT               1 102              T27   1
00000
 4REM S/C PLASTIC COVER         6 402              R29   6
01A01X13A01 13A09 02C
 5REM SAFETY LOCKS              8 102          2  4R27   8
00000
 6BLEED SCAN PLAT SYS           2 102          2  3T27   2
00000
 7LOWER SCAN PLAT               1 302 1 2 5        T12   1
01A19X01A20X01A22X01B01X01B02X01A01
 8REM MONO TELE                49 202 1 2          R 2  25 1  24
03B15X03B16X03B17X03A01 03B01 03B02 03B03
 9ROUT SCAN PLAT HARN          10 202 1 2 5        R 2   5 1   5
15B00W03A01
10REM IRS VENT ASSY            10 202          2  7R 2   5 1   5
03B17X03B15X03B01 03B02 03B03 03A01 01A02
11REM UVS                      30 202 1 2 5        R 2  15 1  15
03B08X03B09X03A01 15A04 01A02
12REM CLOCK ACTUATOR            3 202 1 2 5        R 2   2 1   1
03B04X02C
13INST SCAN PLAT HARN         115 302 1 2 5        I 1  30 2  3011  3014  25
15B00W03A01X03B01 03B02 03B03 15A01 15A02 15A03 15A04 01A02
14INSP CRACKED CABLE            2 202              T 9   2
00000
15CALIBRATE RADIO              10  0210            T10  10
00000
16INST HARN                    48 302 1 2 5        I 1  12 2  1211  1214  12
15B00W03A01X03B01 03B02 03B03 15A01 15A02 15A03 15A04 01A02
17CONN SCI HARN AT TRAY        60 202 1 2 5        I 2  30 1  30
15B03X15A03X15B01 15B02 15B04 15B05 15A01 15A02
18INST SCAN PLAT HARNESS       32  02 1 2 5        I 1   8 2   811   814   8
15B00W03A01X03B01 03B02 03B03 15A01 15A02 15A03 15A04 01A02
19SECURE IN AO HIGH BAY       978  02              T22 978
00000
TASK 03  DAY 205  01/08/69
 1SECURE IN AO HIGH BAY       120  02          2 19T22 120
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00000
 2TILT S/C                      42  02          1  5T16  42
00000
 3INST SCAN PLAT HARN           10 302              I 1   2 2   311   214   3
15B00W03A01X03B01 03B02 03B03 15A01 15A02 15A03 15A04 01A02
 4INST IRR ASSY                 33 202 1 2  5       I 1  17 2  16
03B06X03B07X03B01 03B02 03B03 03A01
 5INST L/G ANTENNA               5 302 1 2 5   2  8I 1   3 2   2
02A01X02C   13A01 13A09 02A02X
 6INST L/G DAMPER                2 202 1 2 5   3  5I 1   1 2   1
07A03X02A01 02A02 02B
 7INST L/G DAMPER                1 202 1 2 5   3  5I 2   1
02A04X02A   02B   02C
 8REM THERM SHIELD CASE 2       33 202 1 2 5       R 2  17 1  16
06D03X06B
 9REM CASE 4 SHEAR PLATE         9 102 1 2 5   3  8R 2   5 1   4
08A01X
10REM CASE 3/7 SHEAR PLATE       2 102 1 2 5       R 2   1 1   1
07A01 07A03X11A03X11A01
11PREP TO INST HARDWARE          2 202             T27   2
00000
12INST RAILS CASE 3             28 202 1 2 5       I 2  14 1  14
07A01X07A05X07B   07C
13INST GYRO CONTROL              3 202 1 2 5       I 1   2 2   1
07B06X07B   07C   07A01 07A05
14INST INTERNAL SCREWS          48 202 5           I 1  24 2  24
07B05X07B   07C   07A01 07A05
15INST TV POWER SUPPLY           3 202 1 2 5       I 1   2 2   1
11B05X11B01 11B02 11B03 11B04 11A01 11C
16INST TV DATA CONVERTER         4 202 1 2 5       I 1   2 2   2
11B06X11B01 11B02 11B03 11B04 11B05 11A01 11C
17INST TV CAMERA DRIVER         11 202 1 2 5       I 1   6 2   5
11B07X11B01 11B02 11B03 11B04 11B05 11B06 11A01 11C
18INST TV CONTROL ASSY           5 202 1 2 5       I 1   3 2   2
11B08X11B01 11B02 11B03 11B04 11B05 11B06 11B07 11A01 11C
19INST CASE 3 SHEAR PLATE        5 202 1 2 5   3 12I 1   3 2   2
07A03X07A01 07A05 07B06
20VERIFY TORQUE                 30 202 5       3 19T 1  15 2  15
07A03X11A03X
21SECURE IN AO HIGH BAY       1044  02          3 20T221044
00000
TASK 04  DAY 206  01/09/69
 1VACCUM CASE 6                 32 202             T 7  32
10A01X10B  X10C  X
 2CLEAN CASE 6                  30 202          4  1T 6  30
10A01X10B  X10C  X
 3SPLICE XDUC CABLE             30 2021112      2 10T 1  10 2  1014  10
03B21X03B22X
 3INSTALL PARTS                      0              I
02C00W
 4INST CLOCK ACTUATOR           60 202 1 2 5   2 12I 1  30 2  30
03B01X03B02 03B03 03B06 03B07 03A01
 5TORQUE SCAN PLAT STRUCT       43 202 5       3  3I 2  43
03A02X03A01 03B01 03B02 03B03 03B04 03B05 03B06
 6INST WIDE ANG TV               1 202 1 2 5       I 2   1
03B10X03B11X
 7INST NARR ANG TV               4 202 1 2 5       I 1   2 2   2
03B12X03B13X03B14X
 8INST CASE 6                  102 202 1 2 5   4  2I 1  51 2  51
10A01X10B   10C
 9STRING CABLES CASE 6          43 202 1 2 5   4  8I 1  15 2  1514  13
10CC1X10B   10A01
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10CAST HARNESSES                15 30215            I12  10 2   5
15A07X
11PREP TO INST UVS              30 202          2 11T 7  30
03B08X03B09X
12INST UVS                      30 202 1 2 5    4 11I 1  15 2  15
03B08X03B09X03B   03A01
13CABLE UP S/C /OSE             30 202              T27  30
00000
14TORQUE SCI EQUIP             210 202 5        4 12I 2 210
03B00W03A01
15SECURE IN AO HIGH BAY        780  02          4 14T22 780
00000
TASK 05  DAY 207  01/10/69
 1TIE CABLES                    30 202 1 2 512 4  9I 1   8 2   811   714   7
15B00W03A01 03B
 2INST OSE HOODS                30 202 1            I 1  15 2  15
03B01X03B02X03B03X
 3REM H/G FROM S/C               2 202 1 2 5        R 2   1 1   1
02C00W02A   02B
 4INST CANOPUS SENSOR           30 202 1 2          I 1  15 2  15
13B08X13B09X13B10X13B11X
 5INST OSE CABLES              628  02              I27 628
00000
 6SECURE IN AO HIGH BAY        720  02          5  5T22 720
00000
TASK 06  DAY 208  01/11/69
 1SECURE IN AO HIGH BAY        237  02          5  6T22 237
00000
 2INST PROP UNIT               103 202 1 2 4 6     I 1  45 2  45 7  13
06A00W06B00W06C00W06D00W
 3SECURE IN AO HIGH BAY       1100  02          6  2T221100
00000
TASK 07  DAY 209  01/12/69
 1SECURE IN AO HIGH BAY       1440  02          6  3T221440
00000
TASK 08  DAY 210  01/13/69
 1SECURE IN AO HIGH BAY       1440  02          7  1T221440

TASK 09  DAY 211  01/14/69
 1CABLE UP S/C OSE              15 302          4 13T27  15
00000
 2INST NARR ANG B08             38 202          4  7I27  38
00000
 3TURN POWER ON                267  02              T27 267
00000
 4PRESS A/C SYSTEM 7G1          10 102              T10   527   5
00000
 5PRESS A/C SYST 7G2            20 102          9  4T10  1027  10
00000
 6TORQUE A/C @3@ NUTS  7G1       5 202 5        9  4T 2   5
13A01X13A09 01A01
 7TORQUE A/C 7G2  @8@ NUTS       5 202 5        9  5T 2   5
13A01X13A09 01A01
 8CABLE UP OSE                  31 202          5  1R27  31
00000
 9CLEAN NARR ANG TV CONN        31 202              T 6  31
05C04X
10INSP CAMERA PIN                8 202          9 10T 9   8
05C04X
11TURN POWER OFF                85  02          9  3T27  85
00000
12INST NARR ANG TV COVER        15 102          4  7I 1  15
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03B12X
13SECURE IN AO HIGH BAY       880  02          9 12T22 880
00000
14INST CAMERA IN SLEV CONN      5 202          9 10I12   5
05C04X
15MATE NARR ANG TV PIN         15 202          9 14I11  15
03B12X05C04X
16TURN POWER ON                10  02          9 11T27  10
00000
TASK 10  DAY 212  01/15/69
 1SECURE IN AO HIGH BAY        60  02          9 16T22  60
00000
 2REM NARR ANG TV COVER        45 102          9 12R 1  45
03B12X
 3INST NARR ANG TV COVER      111 102         10  2I 1 111
03B12X
 4REM PROPULSION SYS          129 302 1 2 4 6 9  8I 1  60 2  60 5   9
06A00W06B00W06C00W06D00W01A02
 5TEST BREAKOUT BOX            20  02           T27  20
00000
 6TURN POWER OFF               25  02          9 16T27  25
00000
 7SECURE IN AO HIGH BAY      1050  02         10  6T221050
00000
TASK 11  DAY 213  01/16/69
 1SECURE IN AO HIGH BAY        16  02         10  7T22  16
00000
 2TURN POWER ON                69  02         10  6T 1  69
00000
 3INST BATT                    15 202 1 2 5       I 1   7 2   8
12B06X12A01 01B05
 4REM NARR ANG TV COVER        30 102         10  3R 1  30
03B12X
 5VERIFY PIN PULLER CABLE     220 302 1 210       T 1  70 2  7010  7027  10
04B04X04B05X04B06X04B07X04B08X04A   04B01 04B02 04B03 02A   02C
 6TEST TV                       2  02         11  4T27   2
00000
 7INST NARR ANG TV COVER        1 102         11  4I 1   1
03B12X
 8REM MONO TEL COVER            1 102             R 1   1
03B16X
 9REM WIDE ANG TV COVER         1 102          4  6R 1   1
03B10X
10REM NARR ANG TV COVER        95 102         11  7R 1  95
03B12X
11INST MONO TEL COVER           3 102         11  8I 1   3
03B16X
12RECOCK WIDE ANG TV           17 102         11  9T 1  17
03B10X
13INST NARR ANG TV COVER       86 102         11 10I 1  86
03B12X
14TURN POWER OFF              312  02         11  2T27 312
00000
15INST PROP                    22 302 1 2 4 6     I 1  11 2  11
06A00W06B00W06C00W06D00W
16SECURE IN AO HIGH BAY       550  02         11 15T22 550
00000
TASK 12  DAY 214  01/17/69
 1SECURE IN AO HIGH BAY         5  02         11 16T22   5
00000
 2CK CONN                      10 20210           T10  10
07C03X07C01
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 3INST CC+S HARN                15 202 1 2 5 112  2I 1   7 2   211   314   3
07C03X07C01X07C02 07B   07A05 07A01
 4TURN POWER ON                 92  02        11 14T27  92
00000
 5REM STIM SCI PLAT              1 302 1 2 4 6     R15   1
03B   03A01
 6FIT/TEST CANOPUS SEN          32 202 1 2 5   5  4T 1  16 2  16
13B08X13B09X13B10X13B11X
 7MEASURE CANOPUS SENSOR        25  02        12  6T27  25
00000
 8MATE CASE 6 CABLE             15 202 1 2     4  8I 1   5 2   511   5
10C02X10C03X10C04X
 9REM CABLE CASE 6               2 202 1 2    12  8R 2   1 1   1
10C02X10C03X10C04X
10MATE CASE 6 CABLE             58 202 1 2    12  9I 1  20 2  1911  19
10C02X10C03X10C04X
11MOVE S/C                      15  02         4  5T16  15
01A01
12ALIGN SCAN PLAT               15 20210      12 11T10  15
03A01X03B
13TERMINATE ALIGNMENT           12  0210      12 12T10  12
03A01X03B
14REM NARR ANG TV COVER          3  02        11 13R 1   3
03B12X
15PREP TO ALIGN TV               1  02        12 15T27   1
00000
16PREP TO ALIGN IRS              1  02         9 15T27   1
00000
17INST NARR ANG TV COVER        10 102        12 14I 1  10
03B12X
18INSP MONO TEL                 98 202        11 11T 9  98
03B15X03B   03A01
19ALIGN IRS /TV                 42 20210      12 15T10  42
03B12X03B15X03B   03A01
20COMPLETE NARR ANG ALIGN        6 20210      12 19T10   6
03B12X03B   03A01
21REM WIDE ANG TV COV/ALGN      52 10210      11 12R 1  2210  30
03B10X03B   03A01
22INST WIDE ANG TV COVER        20 102        12 21I 1  20
03B10X
23TURN POWER OFF                55  02        12  4T27  55
00000
24MATE PIN PULL CONNS           15 202              T11  15
04B08X04B04X04B05X
25MATE PIN PULL CONNS           21 202              I11  21
04B08X04B06X04B07X
26DEMATE PROP SQUIBS/TEST        6 202              R11   527   1
06D04X06D05X06D06X06D07X
27MATE/TEST PROP SQUIBS         20 202              I11  1627   4
06D04X06D05X06D06X06D07X
28MATE PYRO HARN/PYRO MOD       15 202 1 2 5        I 1   5 2   511   5
05B01X05B02X05C05X04B10 04B11 06D04 06D05 06D06 06D07
29SECURE IN AO HIGH BAY        778  02        12 28T22 778
00000
TASK 13  DAY 215  01/18/69
 1SECURE IN AO HIGH BAY       1440  02        12 29T221440
00000
TASK 14  DAY 216  01/19/69
 1SECURE IN AO HIGH BAY       1440  02        13  1T221440
00000
TASK 15  DAY 217  01/20/69
 1ALIGN CK OF SCI INSTRU        15 102         4 14T27  15
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00000
 2INSP BREAKOUT BOX            10 102              T27  10
00000
 3INSP CONN                     5 102              T27   5
00000
 4INSP CABLES OSE               1 102         15  2T27   1
00000
 5MATE MONO TEL                10 202         12 18I11  10
C3B15X
 6TURN POWER ON                13  02         12 23T27  13
00000
 7INSP BREAKOUT CABLE           5  02         15  4T27   5
00000
 8MATE BREAKOUT BOX TO IRR     17  02         15  5I27  17
00000
 9REM IRR STIM                  8 102 1 2     15  8R 2   4 1   4
C3B06XC3B07X
10REM IRR COVER                65 102 1       15  7R 1  65
C3B06X
11REM MONO TEL DUST COVER       2 102 1       15  5R 1   2
C3B15X
12INST IRR MIRROR COVER        10 102 1 2      3  4I 1   5 2   5
C3B06XC3B07X
13INST IRR STIM                63 202 1 2     15  9I 1  32 2  31
C3BC6XC3B07XC3B   C3A01
14ALIGN MONO TEL                2 20210       15 11T10   2
00000
15INST MONO TEL DUST COVER     58 102 1       15 14I 1  827  50
C3B15XC3B16XC3B17XC3B   C3A01
16INST UVS STIM                 3 102 1        4 12I 1   2 2   1
C3BC6XC3B09X
17TURN POWER OFF               37  02         15  6T27  37
C0000
18REM OSE HOODS                 5 102 1        5  2R 2   3 1   2
C3B01XC3B02X
19MATE MONO TEL BENDIX          5 102         15  5I11   5
C3B15X
20MATE CABLE TO IRR ASSY        5 102         15  8I11   5
C3B06XC3B07X
21ALIGN MARS GATES              2 202              T27   2
00000
22REM FEPS HOOD                 1 102 1            R 1   1
C3B03X
23INST FEPS HOOD               47 102 1 2     15 22I 1  24 2  23
C3B03X
24TURN POWER ON                40  02         15 17T27  40
00000
25MATE MONO TEL EXT/TEST      132 202         15 20I11  1027 122
C3B15X
26UNLATCH PAS                   8 102 1 2          T 1   4 2   4
C3B06X
27ROTATE S/C                   35 102          1  5T16  35
00000
28ALIGN MARS GATE              85 20210       15 21T10  85
00000
29COMPLEETE ALIGNMENT          30 20210       15 28T10  30
00000
30TURN POWER OFF               10  02         15 24T27  10
00000
31TURN POWER ON                10  02         15 30T27  10
00000
32CONN CASE 1 CABLES/OSE       11 202              I27  11
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00000
33TURN POWER OFF                 9  02          15 31T27   9
00000
34TEST LEAK A/C GAS SYS          5 20210            T10   5
00000
35REM FEPS HOOD                 25 102 1 2      15 23R 1  13 2  12
03B03X
36REM SHEAR PLATE               29 102 1 2 5     3 10R 1  15 2  14
11A01X11A03X11B   11C
37REM BATT                       6 202 1 2 5   11  3R 2   2 1   226   2
12B06X12A01 01B05
38REM TV MODS CASE 7             5 202 1 2 5     3 18R 2   3 1   2
11B05X11B06X11B07X11B08X11B    11A01 11C
39PIN RETENTION CHECK           35 20210        15 36T10  35
11C03X11B05X11B06X11B07X11B08X
40INST OSE HOODS                 5 202 1 2      15 18I 1   3 2   2
03B01X03B02X
41VACUUM CASE 7 TV MODS          2 202          15 39T 7   2
11B05X11B06X11B07X11B08X
42INST TV MODS CASE 7           43 202 1 2 5    15 38I 1  22 2  21
11B05X11B06X11B07X11B08X11B    11A01 11C
43REM GUIDE PINS CASE 7         10 10211        15 39R 2   5 1   5
11C00W
44INST SHEAR PLATE CASE 7        2 202 1 2 5     3 10I 1   1 2   1
11A03X
45INST BATT                     13 202 1 2 5    15 37I 1   7 2   6
12B06X12A01 01B05X
46SECURE IN AO HIGH BAY        501  02          15 45T22 501
00000
TASK 16  DAY 218  01/21/69
 1MATE OSE CABLE TO BATT        15 202          15 45I11  15
12B06X01B05X
 2TURN POWER ON                  2  02          15 33T27   2
00000
 3INST TEST EQUIP               33 202          15 42I15  33
03B  B03A01
 4REM NARR ANG TV COVER        100 102 1        12 17R 1 100
03B12X
 5MATE OSE CABLES TO FEPS      305 102          16  1I11 305
03B03X
 6MATE OSE CAB TO MARS GAT     305 102          16  5I11 305
03B01X03B02X
 7COMP TV CAMERA TEST            1 102          16  4T15   1
00000
 8INST NARR ANG TV COVER        14 102          16  7I 1  14
03B12X
 9TURN POWER OFF                 4  02          16  2T27   4
00000
10REM SHEAR PLATE CASE 3         1 202 1 2 5     3 19R 2   1
07A03X07A01X07A05
11REM BACK SCREWS CS 3/MOD       6 202 1 2 5    16 10R 2   3 1   3
07B05X07B06X07C   07B   07A05
12CONN RADIO BOX CASE 6          2 102          12 10I11   2
10C01X
13INST GYRO CONT                 2 202 1 2 5     3 13I 2   1 1   1
07B06X07B   07C   07A05 07A01
14REM ATT CONTROL MOD            1 102 1 2 5        R 2   1
07B05X07B   07C
15REM GYRO CONT                 14 202 1 2 5    16 11T 1   7 2   7
07B06X07B   07C   07A05 07A01
16INST GYRO CONTROL              4 202 1 2 5    16 13I 1   2 2   2
07B06X07B   07C   07A05 07A01
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17INST ATT CONTROL MODS          6 102 1 2 5  16 14I 1   3 2   3
07B05X07B   07C
18REM ATT CONT OSE SHELF        12 202        16 17R27  12
00000
19REM GUIDE PINS A/C MOD         1 10211      16 16R 2   1
07B05X07B   07C   07A01 07A05
20VACUUM CASE 3                  3 102        16 15T 7   3
07A01X07A05X07B  X07C  X
21INST SHEAR PLATE CASE 3       44 202 1 2 5  16 10I 1  22 2  22
07A03X07A01 07A05 07B06
22TURN POWER ON                 20  02        16  9T27  20
00000
23TURN POWER OFF                 4  02        16 22T27   4
00000
24DEMATE RADIO CASE 6           37 202        16 12T11  37
10C01X
25LATCH PAS                      1 102        15 26T 1   1
01B06X
26TURN POWER ON                203  02        16 23T 1 203
00000
27TURN POWER OFF                30  02        16 26T 1  30
00000
28SECURE IN AO HIGH BAY        270  02        16 27T22 270
00000
TASK 17  DAY 219  01/22/69
 1SECURE IN AO HIGH BAY         40  02        16 28T22  40
00000
 2INSP RADIO BOB                10  02        16 24I27  10
00000
 3TURN POWER ON                 85  02        16 27T27  85
00000
 4TEST TCFM /INST                3 202 1 2 5       T 1   2 2   1
05B08X05B09X05B   05C02X05C   05A01
 5TORQ CASE SCREWS              84  02 5           R 2  84
05A01X
 6TURN POWER OFF                13  02        17  3T27  13
00000
 7REM/INST TCFM HARN             5 202 1 2 512     X 2   2 1   111   114   1
05C03X05C   05B   05A01
 8REM/INST TCFM MODS            35 102 1 2 5       X 1  18 2  17
05B06X05B09X05B   05C   05A01
 8INSTALL PARTS                     0              I
05B00W
 9REM TCFM XDUCER               10 202 1 2 5  17  4R 2   5 1   5
02B01X02B02 02A   02C
10INST TCFM  XDUCER             35 202 1 2 5  17  9I 1  18 2  17
02B01 02B02 02A   02C
11TURN POWER ON                 39  02        17  6T27  39
00000
12UNLATCH PAS                    1 102        16 25T 1   1
01B06X
13LATCH PAS                      1 102        17 12T 1   1
01B06X
14ARM SIT SWITCH                14 102              I 1  14
01B05X
15TEST TCFM                    240 202        17 10T27 240
00000
16TEST SYSTEMS                 320 202             T27 320
00000
17TURN POWER OFF                20  02        17 11T27  20
00000
18CONN BREAKOUT BOX/OSE         10 202        15  8I27  10
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00000
19DEMATE A/C GAS SYSTEMOSE      4 202        15 34T11   4
00000
20TURN POWER ON                21  02        17 17T27  21
00000
21TURN POWER OFF               25  02        17 20T27  25
00000
22CONN A/C GAS FRAMES          14 202 1 2 5  17 19T11   7 2   7
13A01X13A09X
23CONN CABLE /INST FILTER       1 202        17 22T27   1
00000
24PREP TO REM A/C VAL/7G1       8 202        17 22T27   8
00000
25VENT PRESS 7G1                3 102        17 23T27   3
00000
26VENT PRESS 7G1                3 102        17 25T27   3
00000
27REM A/C VALVE 7G1            21 202 1 2 5  17 24R 2  11 1  10
13A03X13A01
28CLEAN VALVE 7G1              23 202        17 27T 6  12 7  11
13A03X
29INST VALVE 7G1               11  02 1 2 5  17 28I 1   6 2   5
13A03X13A01
30PRESS A/C GAS SYS 7G1         3  02        17 29T27   3
00000
31CK VALVE LEAK 7G1             2 102        17 30T10   127   1
00000
32VENT PRESS 7G1 TORQ MAN      16 202 1 2 5  17 31T 1   6 2   627   4
13A03X13A01
33REM VALVE 7G1                13 202 1 2 5  17 32R 2   7 1   6
13A03X13A01
34INST VALVE 7G1               12 202 1 2 5  17 33I 1   6 2   6
13A03X13A01
35SOLDER VALVE PINS             2 2021113    17 34I 8   2
13A03X13A01
36PRESS VALVE 7G1               8  02        17 35T27   8
00000
37DIS CONN PRESS 7G1            2  02        17 36T11   127   1
00000
38LOCK SCREWS  7G1             22 202 512    17 37T 1  11 2  11
13A03X13A01
39SEC A/C GAS SYS 7G1          21 202 1 2 5  17 38R 2  11 1  10
13A01X13A09 01A01 02A   02B   02C
39INSTALL PARTS                    0              I
13A00W
40SECURE IN AO HIGH BAY       240  02        17 39T22 240
00000
TASK 18  DAY 220  01/23/69
 1SECURE IN AO HIGH BAY        44  02        17 40T22  44
00000
 2TURN POWER ON                28  02        17 21T27  28
00000
 3PREP TO REM PROP              1 102        11 15T27   1
00000
 4REM PROP                     79 202 1 2 4 618  3R 2  26 1  26 5  27
06A00W06B00W06C00W06D00W
 5ROUT OSE CABLES              40 202        16  6T 1  2014  20
01A02X07A03 05A01
 6TILT S/C                     18 102        15 27T16  18
00000
 7TIE OSE CABLES               12 202        18  5T27  12
00000
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 8DEMATE HEATER + POW DIST      3 202              T11   3
11C04X
 9TURN POWER OFF               35  02         18  2T27  35
00000
10REM MONO TEL                 20 202 1 2 5  15  5R 2  10 1  10
03B15X03B   03A01 15A04 01A02
11REM FEPS                     10 202 1 2 5  15 35R 2   5 1   5
03B03X03B
12INST FEPS                    10 202 1 2 5  18 11I 1   5 2   5
03B03X03B
13INSP CABLES IRS              10 202        12 16T 9  10
00000
14MATE HEATER + POW DIST       80 202        18  8I11  80
11C04X
15REM MONO TEL FROM CAN        23 202        18 10R 1  23
03B15X03B16X03B17X03B18X03B19X
16TURN POWER ON               112  02        18  9T27 112
00000
17TURN POWER OFF                5 202        18 16T27   5
00000
18INST MONO TEL COVER          22 102        18 15I 1  22
03B15X03B16X03B17X03B18X03B19X
19INST MONO TEL                23 302        18 18I 1  12 2  11
03B15X03B16X03B17X03B18X03B19X03A01 03B
20MATE MONO TEL CONN            7 202        18 19T11   7
05C04X15B01X
21TURN POWER ON                18  02        18 17T27  18
00000
22REM IRS COVER/ALIGN          70 10210      18 20R 1  1010  60
03B15X03B16X03B17X03B18X03B19X
23TURN POWER OFF                5  02        18 21T27   5
00000
24CLEAN FEPS                    5 102        18 12T 7   5
03B03X
25TURN POWER ON                13  02        18 23T27  13
00000
26INST FEPS HOOD               22 102        18 24I 1  22
03B03X
27ALIGN IRS                     3 10210      18 22T10   3
00000
28INST IRS COVER                2 102        18 27I 1   2
03B16X
29ALIGN FEPS                   55 202        18 24T10  30 1  25
03B03X
30COMPLETE FEPS ALIGNMENT      15 20210      18 29T10  15
00000
31INST FEPS STIM                5 102 1      18 30I 1   5
03B03X
32REM FEPS OSE HOOD             8 102 1      18 30R 1   8
03B03X
33TURN POWER OFF               14  02        18 25T27  14
00000
34DEMATE FEPS OSE CABLE         8 102        18 32T27   8
00000
35PREP TO TRANS S/C TO ESF     15 202        18 34T27  15
00000
36REM HEATER + POW DIST        45 202        18 14R 2  23 1  22
05B07X05B
37REM CONE                     40 202        12 12R 2  20 1  20
03B05X03B   03A01 01A02 15A04
38REM BATT                     33 202 1 2 5  16  1R 2  17 1  16
12B06X01B05X12A01
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39LATCH SCAN PLAT                2 102          18 37T 1   2
01A19X01A20X01A21X01B01X01B02X03A01 03B
40SECURE IN AO HIGH BAY        480  02          18 39T22 480
00000
TASK 19  DAY 221  01/24/69
 1PREP TO MOVE S/C V-BAND      50 202 1 2 5   1  8T 1  20 2  2016  10
01A24X
 2SEC CAGE ADAPT               10 402 1 2 5  19  1T 2   3 1   415   3
01A01 13A01 13A09 02A   02B    02C
 3SEC LIFTING CABLES           12 402        19  2T 3   616   6
01A01 13A01 13A09 02A   02B    02C
 4VACUUM TRANSPORTER            2  02             T27   2
00000
 5LOWER S/C TO TRANSPORTER      3  02        19  4T16   2 3   1
01A01 13A01 13A09 02A   02B    02C
 6SEC TO TRANSPORTER            4 402 5      19  5T 1   2 2   2
01A01 13A01 13A09 02A   02B    02C
 7INST CLAM SHELL               1 402 1 2 5  19  6I29   1
01A01X
 8SEC CLAM SHELL TO TRANSP      1 402        19  7I29   1
01A01X
 9INST TARP                     9 402        19  8I29   9
01A01X
10START PURGE                  28 2N5        19  9T27  28
00000
11TRANSPORT TO ESF             40 2N5        19 10T21  40
00000
12VACUUM TRANSPORTER            5 2N5        19 11T27   5
00000
13INST BOOTIES ON TIRES        15 2N5        19 12I27  15
00000
14REM CLAM SHELL                4 4F2 1 2 5  19  7R29   4
01A01 13A01 13A09 02A   02B    02C
15MOVE S/C INTO TENT            4 4F2        19 11T16   2 3   2
01A01 13A01 13A09 02A   02B    02C
16REM GYRO PROT COVER          71 1F2        19  1R 1  71
07B05X07B06X07B   07C   07A01 07A05
16INSTALL PARTS                    F              I
07A00W07B00W
17REM ATT CONT COVER           72 1F2        19  1R 1  72
13A01X
18TEST A/C GAS SYSTEM         375 2F210      17 39T10 37510
13A01X13A09X01A01 02A   02B    02C
19SECURE IN ESF TENT          734  F2        19 18T23 734
00000
TASK 20  DAY 222  01/25/69
 1SECURE IN ESF TENT         1440  F2        19 19T231440
00000
TASK 21  DAY 223  01/26/69
 1SECURE IN ESF TENT         1440  F2        20  1T231440
00000
TASK 22  DAY 224  01/27/69
 1SECURE IN ESF TENT         1440  F2        21  1T231440
00000
TASK 23  DAY 225  01/28/69
 1SECURE IN ESF TENT           70  F2        22  1T23  70
00000
 2STOP LEAK CK                 20  F2        19 18T27  20
00000
 3START VALVE LEAK CK          60  F2        23  2T10  60
00000
 4COMPLETE DEPRESS              5 2F2        23  3T27   5
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00000
 5DEMATE PRESS LINES          15 2F2        23  4T11   927   6
00000
 6STOP VALVE LEAK CK         130 2F2        23  3T27 130
00000
 7INST GAS SYS PROT COVERS    20 1F2        23  6I 1  20
13A02X13A10X
 8COVER S/C                   20 4F2        23  7I29  20
01A01 13A01 13A09 02A   02B   02C
 9MOVE S/C TO AO              32 4N5        23  8T21  32
00000
10ARRIVED A/O REC             18 4N5        23  9T21  18
00000
11CLEAN CLAM SHELL            42 4N5        23 10T 6  21 7  21
00000
12REM CLAM SHELL               1 4N5 1 2 5  23 11R29   1
01A01 13A01 13A09 02A   02B   02C
13CONN S/C TO CRANE           20 402        23 12T 3  1016  10
01A01 13A01 13A09 02A   02B   02C
14LOWER S/C TO POSITIONER     12  02        23 13T16   6 3   6
01A01 13A01 13A09 02A   02B   02C
15TORQUE S/C TO LLP            5  02 5      23 14I 2   5
01A02
16REM CLAM SHELL ADAPTER      10 202 1 2 5  23 12R 2   5 1   5
01A02
17TORQ V-BAND                  1 202 5      23 15T 2   1
01A24X01A02
18REM GAS SYS PROT COVERS      4 202        23  7R 1   4
13A02 13A10
19INST CONE ACTUATOR          25 202 1 2 5       I 1  13 2  12
03B05X03B   03A01 01A02 15A04
20INST HEAT + POW DIST MOD    10 202 1 2 5  18 36I 1   5 2   5
05B07X05B   05C   05A01
21DEMATE CASE 8 CONN          15 202        23 18T11  15
12B01X12B04X12B02X12C01X12A01
22INST BATT                   20 202 1 2 5  18 38I 1  10 2  10
12B06X01B05X12A01
23CONN CABLES OSE              1 202             T27   1
00000
24MATE CASE 8 CONN            24 202        23 21T11  24
12B01X12B04X12B02X12C01X12A01
25TORQUE SIT                   6 102 5      17 14I 2   6
01B05X
26INST IRR STIM                5 102 1      15 10I 1   5
03B06X03B07X03B   03A01
27CONN BENDIX CONE AXIS       10 102        23 19T11  10
03B05X05C04X15A01X03B   03A01
28UNLACH SCAN PLAT             6 202        18 37T 1   6
01A19X01A20X01A21X01B01X01B02X01B03 03A01 03B
29INST OSE STIM FRAME          8 302 1 2 4 623 17I 1   3 2   315   2
03B   03A01
30INST UVS STIM               15 102 1 2         I 1   8 2   7
03B08X03B09X03B   03A01
31REM NARR ANG TV COVER       11 102        16  8R 1  11
03B12X
32TURN POWER ON               33  02        18 33T27  33
00000
33REM WIDE ANG TV COVER        1 102        16 15R 1   1
03B10X
34UNLATCH PAS                 30 102        17 13T 1  30
01B06X
35LATCH PAS                   65 102        23 34T 1  65
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01B06X
36REM IRS COVER /PURGE          65 102 1       18 28R 1   527  60

37INST NARR ANG TV COVER         2 102         23 31I 1   2
03B12X
38INST WIDE ANG TV COVER        13 102         23 33I 1  13
03B10X
39REM OSE STIM FRAME             5 302 1 2 4 623 29R 2   2 1   215   1
03B   03A01
40REM IRR STIM                   1 102 1 2     23 26R 1   1
03B06X
41REM UVS STIM                   1 102 1 2     23 30R 1   1
03B08X
42INST IRR COVER                17 102 1       23 40I 1  17
03B06X03B
43INST UVS COVER                17 102 1       23 41I 1  17
03B08X03B
44TEST SCAN PLAT SWITCHES      114  0210       23 29T 1  4010  4027  34
01A19X01A20X01A21X01B01X01B02X03B   03A01
45TURN POWER OFF                15  02         23 32T27  15
00000
46SECURE IN AO HIGH BAY        420  02         23 45T22 420
00000
TASK 24  DAY 226  01/29/69
 1REM CLOCK ACTUATOR            21 202 1 2 5   4  4R 2  11 1  10
03B04X02A   02B   02C
 2REM CONE ACTUATOR             24 202 1 2 5  23 19R 2  12 1  12
03B05X03B   03A01 01A02 15A04
 3TORQUE CLOCK ACTUATOR          1 202 5      24  1I 2   1
03B04X02A   02B   02C
 4TORQUE CONE ACTUATOR          84 202 5      24  2I 2  84
03B05X03B   03A01 01A02 15A04
 5INST CLOCK ACTUATOR           62 202 1 2 5  24  3I 1  31 2  31
03B04X02A   02B   02C
 6INST CONE ACTUATOR            60 202 1 2 5  24  4I 1  30 2  30
03B05X03B   03A01 01A02 15A04
 7INST LATCH MOTION SWITCH       6 202 1 2 5      I 1   3 2   3
01A21X01B02X
 8REM LATCH MOTION SWITCH        7 202 1 2 5  24  7R 2   4 1   3
01A21X01B02X
 9REM NARR ANG TV COVER          7 102 1       23 37R 1   7
03B12X
10INST H/G ANTENNA              31 202 1 2 5   5  3I 1  16 2  15
02C02X02C   02B   02A
11INST NARR ANG TV COVER        19 102 1       24  9I 1  19
03B12X
12TIE S/C CABLES OSE            11  02             T27  11
00000
13REL L/G ANT CAB FROM QAS       1  02             T25   1
00000
14REL H/G ANT CAB FROM QAS      18  02             T25  18
00000
15PREP TO INST L/G CABLE        45  02         24 13T 7  45
02A02X
16PREP TO INST H/G CABLE        45  02         24 14T 7  45
02C04X
17INST L/G CABLE                27 202 1 2 5  24 15I 1  14 2  13
02A02X02A   02B
18INST H/G CABLE                24 202 1 2 5  24 16I 1  12 2  12
02C04X02C   02A   02B
19TORQUE L/G CABLE              28 202 5      24 17I 2  28
02A02X02A   02B
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20TORQUE H/G CABLE              22 202        24 18I 2  22
02C04X02C   02A   02B
21TIE HARN                      23 202 1 2 5  24 20T 1   6 2   611   614   5
02A02X02A   02B   02C
22DIP-DAUB SUN SENSOR            8 20215            T12   8
13B01X13B02X13B03X13B04X13B05X13B06X13B07X
23TURN POWER ON                 47 202        23 45T27  47
00000
24DIP-DAUB SCAN PLAT SWTCH       5 20215      23 44T12   5
04B09X
25INST A/C NOZZLE 7G1           12 202 1 2 4 523 36I 1   6 2   6
13A05X13A14X13A01
26INST A/C NOZZLE 7G2           13 202 1 2 4 523 36I 1   7 2   6
13A13X13A15X13A09
27TORQ A/C SYS                  45 202 5           T11  23 2  22
13A14X13A15X13A01 13A09
28LOCKWIRE NOZZLES              45 20212           T11  23 2  22
13A14X13A15X13A01 13A09
29PRESS A/C SYS                 15 202             I27  15
00000
30TEST LEAK A/C SYS             20 10210           I10  20
13A14X13A15X13A01 13A09
31REM MANIFOLD ASSY             25 202 1 2 5       R 2  13 1  12
03B23X03A   03A01
32INST MANIF ASSY               30 202 1 2    24 29T 1  15 2  15
03B23X03A   03A01
33TORQ MANIF ASSY               30 102 5      24 30T 2  30
03B23X03A   03A01
34DISCONN SCAN PRESS LN          5 202        24 31I27   5
00000
35TURN POWER OFF               129  02        24 23T27 129
00000
36LOCK MANIFOLD ASSY WIRE       30 20212      24 31T 1  15 2  15
03B23X03B   03A01
37SECURE IN AO HIGH BAY        355  02        24 36T22 355
00000
38PREP FOR MONO TEL ALIGN       12 202        23 36T27  12
00000
39TORQUE/ADJ MONO TELE          48  02 1 2 5  24 38I 2  24 1  24
03B16X03B15 03B17 03B18 03B19 03A01 03B
TASK 25  DAY 227  01/30/69
 1SECURE IN AO HIGH BAY         11  02        24 39T22  11
00000
 2TURN POWER ON                 11  02        24 35T27  11
00000
 3REM MONO TEL COVER/ALIGN      50 102 110    18 18R 1  1010  40
03B16X03B15 03B17 03B18 03B19 03A01 03B
 4ALIGN MONO TEL                18 202        25  3T10  18
00000
 5INST MONO TEL COVER           22 102 1      25  4T 1  22
03B16X03A01 03B
 6TURN POWER OFF                81  02        25  2T27  81
00000
 7REM HARNESS                  137 302 1 2 512     R 2  30 1  3011  3014  47
04B04X04B05X04B06X04B07X13A01 13A09 02A   02B   02C
 8INST FLIGHT CAPS CONN          2 102             I27   2
00000
 9CAST CONN                     41 20215           T12  41
04B04X04B05X04B06X04B07X
10DIP-DAUB JET VALVE             7 20215      25 26T12   7
13A05X13A03X13A11X13A13X
11CAST CONN CASE 6              52 20215      16 24I12  52
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02A02X02C04X09C01X
12DIP-DAUB SUN SENSOR          23 20215      24 22T12  23
13B01X13B02X13B03X13B04X13B05X13B06X
13INST BACK SCREWS CASE 3      17 202 1 2 5  16 11I 1   9 2   8
07A03X07A01X
14CAST CONN                    28 20215          I12  28
07C03X07C   07B   07A01 07A05
15DEMATE ACCESS CABLES/OSE     45 202            T27  45
00000
16CAST CASE 5 MODS             45 20215          T12  45
09B01X09B02X09B03X09B04X09B05X09B06X09B07 09B08 09B09 09C   09A
17INST CLAMP                   20 202 1 2 5      I14  20
11C01X11C   11B   11A01
18TORQUE ALL CASES             20 202 5      25 13I 2  20
05A01X07A01X08A01X09A01X10A01X11A01X12A01X
19REM CANOPUS SENSOR           15 202 1 2 5  12  7R 2   8 1   7
13B08X13B09X13B10X13B11X12A01
20INST CANOPUS SENSOR          15 202 1 2 5  25 19I 1   7 2   8
13B08X13B09X13B10X13B11X12A01
21CLEAN THERMAL SURFACE        10 202        19  1T 6   5 7   5
05A01X07A01X08A01X09A01X10A01X11A01X12A01X
22INST PIN PULLER HARNESS      35 202 1 2 5  25 15I 1   6 2   611   614  17
04A00W04B04X04B05X04B06X
23REM A/C FRAMES OSE           40 202 1 2 5  25 21T 1  13 2  1315  14
13A01X13A09 02A   02B   02C   01A02
24REM NARR ANG TV COVER        28 102 1      24 11R 1  28
03B12X
25CLEAN NARR ANG TV            25 202        25 24T 6  25
03B12X
26INST NARR ANG TV COVER        7 102 1      25 25T 1   4 6   3
03B12X
27REM WIDE ANG TV COVER        14 102 1      23 38R 1   7 6   7
03B10X
28INST WIDE ANG TV COVER       16 102 1      25 27T 1  16
03B10X
29CLEAN SCAN PLAT              20 202        24 24T 6  20
03A01X03B
30INST ANG ATTACH              35 202 1 2 5  17 10I 1  18 2  17
14A26X
31INST SHIELD CORNER            4 202 1 2 5  25 30I 1   2 2   2
14A43X
32CLEAN H/G ANTENNA             5 202        24 10T 6   5
02C  X
33INST SHIELD CORNER            8 202 1 2 5  25 31I 1   4 2   4
14A42X
34INST SHIELD DAMPER            5 202 1 2 5  25 33I 1   3 2   2
14A44X
35INST SHIELD CORNER            9 202 1 2 5  25 33I 1   5 2   4
14A41X14A40X
36INST CAP PYRO MODS            1 202 1 2 5      I 2   1
05B01X05B02X
37INST BATT CAP                16 202 1 2 5  23 22I 1   8 2   8
12B06X
38INST CORNER BRACKETS         34 202 1 2 5  25 35I 1  17 2  17
14A38X14A39X
39INST LOUVER BRACK            14 202 1 2 5      I 1   7 2   7
03A01X03B
40INST HALF LOUVER              1 202 1 2 5  25 39I 2   1
03A02X03A01 03B
41INST TC   ANG ATTACHMENT     22 202 1 2 5  25 30I 1  11 2  11
14A25X14A26X14A27X14A28X14A29X14A30X14A31X14A32X
42INST LOUVER CASE 4/1         13 202 1 2 5   3 19I 1   7 2   6
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05A02X05A01X08A02X08A01
43INST LOUVER CASE 5            1 202 1 2 5  15 42I 2   1
09A02X09A01
44INST  TC  HARDWARE            6 202 1 2 5  25 41I 1   3 2   3
14A45X14A46X14A47X14A04X14A05X
45INST CASE 7 LOUVER            7 202 1 2 5  15 44I 1   3 2   4
11A02X11A01 11A03
46INST CASE 8 LOUVER           10 202 1 2 5  23 24I 1   5 2   5
12A02X12A01
47INST ALL LOUVER COVERS        9 202 1 2 5  25 46I 1   5 2   4
05A02 08A02 09A02 10A01 11A02 12A02
48INST EAGLE SHIELD             8 202 1 2 5       I 1   4 2   4
07A02X07A03 07A01
49INST UPPER THERMAL BLANK     47 402 1 2 5  25 47I 1  24 2  23
14A01X01A02 02A   02B   02C   13A01 13A09 14A14 14A15 14A16 14A17 14A18
49OCCLUDED ZONES                                  M
14A01005A000
50SECURE IN AO HIGH BAY       330  02         25 49T22 330
00000
TASK 26  DAY 228  01/31/69
 1REL BOOST DAMPS FROM OAS     15 102              T25  15
00000
 2INST BOOST DAMPS             39 202 1 2 5       T 1  20 2  19
04B02X01A05 01A06 01A07 01A08 01A09 01A10 01A11 01A12
 3TURN POWER ON                56  02         25  6T27  56
00000
 4TEST SCAN                    42 202              T27  42
00000
 5CK SCI INST CONN             23 102         25 41T 9  23
00000
 6STOW SCAN PLAT SUPER ST      30 202         26  4T 1  30
01A19X01A20X01A21X01B01 01B02 03A   03B
 7TORQUE IPR CONN              30 102 5       23 42I 2  30
03B06X03B07X03B   03A01
 8PREP FOR SOL PANEL INST      13  02              T27  13
00000
 9TURN POWER OFF               57  02         26  3T27  57
00000
10REM CANOPUS SEN OSE HOOD    108 102 1 2     25 20R 2  54 1  54
13B08X13B09X13B10X13B11X
11INST SOLAR PANELS           153 402 1 2 5  26  8I 1  51 2  5111  51
04A00W04B00W01A05X01A06X01A07X01A08X01A09X01A10X01A11X01A12X
12CK SOLAR PANEL INST          10 102         26 11T 9  10
00000
13ROTATE S/C /CLAMP S/P        98 202 1 2 5  23 15T 1  40 2  4016  18
04A  X04B04X04B05X04B06X04B07X
14CABLE UP NARR ANG TV         24 102         25 25T11  24
03B12X
15CABLE UP WIDE ANG TV         23 102         11 12T11  23
03B10X
16TURN POWER ON                 9  02         26  9T27   9
00000
17TURN POWER OFF                9  02         26 16T27   9
00000
18UNLATCH SCAN PLAT            10 202 1 2 5  26  6T 1   5 2   5
03A   03B
19REM WIDE ANG TV CAMERA        2 202 1 2 5  26 15R 2   1 1   1
03B10X03B11X03B   03A
20INST WIDE ANG TV CAMERA       5 202 1 2 5  26 19I 1   3 2   2
03B10X03B11X03B   03A
21REM NARR ANG TV CAMERA       13 202 1 2 5  25 26R 2   7 1   6
03B12X03B13X03B14X03B   03A01
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22TEST WIDE ANG TV PIN/RET      1 102          26 20T11   1
11C03X
23TEST NARR ANG TV PIN/RET      2 102          26 21T11   2
11C03X
24REM LOUVER CASE 5             3 202 1 2 5  25 43R 2   2 1   1
09A02X09A01
25REM LOUVER CASE 7            10 202 1 2 5  25 45R 2   5 1   5
11A02X11A01 11A03
26DEMATE CASE 5 BENDIX          1 102          15 42T11   1
09C01X15A01X15A02X
27DEMATE CASE 7 BENDIX          9 102          15 43T11   9
15A01X15A02X15B03X11C  X
28REM TCFM ANG ATTACHMENTS      3 202 1 2 5  25 41R 2   2 1   1
14A27X14A28X
29REM CASE 5                    1 202 1 2 5  26 26R 2   1
09A01X09B00W09C00W
30CAST ANALOG TAPE TRANS       11 20215      25 16T12  11
09B01X09B  X09A01 09C
31INST CASE 5                   3 202 1 2 5  26 29I 1   2 2   1
09A01X09B00W09C00W
32REM CASE 7 /SPEAR PLATE      10 202 1 2 5  26 27R 2   5 1   5
11A01X11A03X11B00W11C00W
33INST CASE 7                  50 202 1 2 5  26 32I 1  25 2  25
11A01X11A03X11B00W11C00W
34CABLE UP S/C                 60 202        26 15T11  60
07C01X09C01X11C03X11C01X12C01X
35INST NARR ANG TV             25 202 1 2 5  26 21I 1  13 2  12
03B12X03B13X03B14X03A01 03B
36INST STIM FRAME              20 302 1 2 4 623 29I 1   7 2   715   6
03B   03A
37SECURE IN AO HIGH BAY       462  02        26 36T22 462
00000
TASK 27  DAY 229  02/01/69
 1TURN POWER ON                14  02        26 17T27  14
00000
 2INST UVS STIM                90 102 1      23 43I 1  90
03B08X03B09X03A   03B
 3PREP FOR TV ALGN/REM COV     10 102 1      26 35T 1  10
03B10X03B12X
 4TEST TV                      12  02        27  3T27  12
00000
 5REL TAPE FROM QAS            78  02             T25  78
00000
 6TEST S/C                     72  02        26 34T27  72
00000
 7PREP TO REM UVS STIM PLT      3  02        27  2T27   3
00000
 8REM UVS STIM PLAT            15 302 1 2 4 627  7R 2   5 1   515   5
03B   03A
 9INST ALIGNMENT PLAT          15 20210      27  3I10  15
00000
10TEST TV ALIGNMENT            15 20210      27  9T10  15
00000
11MOVE S/C TO ADAPT           120 102             T 3  6016  60
01A01 02A   02B   02C   04A   14A01
12RET S/C TO LLP               75 102             T 3  3816  37
01A01 02A   02B   02C   04A   14A01
13COMPLETE TV ALIGNMENT        25  02        27 12T27  25
00000
14REM CANOPUS SENSOR PLATE     15 202 1 2 5  26 10R 2   8 1   7
13B08X13B09X13B10X13B11X
15INST CANOPUS SENSR PLATE     80 202 1 2 5  27 14I 1  40 2  40
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13B08X13B09X13B10X13B11X
16TURN POWER OFF                 6  02         27  1T27   6
00000
17REM TV MODS CASE 7            49 202 1 2 5   26 33R 2  25 1  24
11B06X11B07X11B   11C   11A01
18INST NARR ANG TV COVER        12 102 1       26 35I 1  12
03B12X03B   03A
19TIE WIDE ANG TV CABLES        14 102         26 22I14  14
11C03X
20TIE NARR ANG TV CABLES        14 102         26 35I14  14
11C03X
21INSP/DIP-DAUB/VC TV MOD       10 2021215     27 17T 9   3 7   312   4
11B06X
22INSP/DIP-DAUB/VC TV MOD       18 2021215     27 17T 9   6 7   612   6
11B07X
23TEST PIN RETENTION            11 20210       27 21T10  11
11B06X
24TEST PIN RETENTION            11 20210       27 22T10  11
11B07X
25INST TV DATA CONV CASE 7      10  02 1 2 5   27 23I 1   5 2   5
11B06X11B   11C   11A01
26INST TV CAMERA DR CASE 7      17  02 1 2 5   27 24I 1   9 2   8
11B07X11B   11C   11A01
27INSTAL OSE STIM FRAME         21 102 1 2 4 626 36I 1   7 2   715   7
03A   03B
28TURN POWER ON                  2  02         27 16T27   2
00000
29REM NARR ANG TV COVER          9 102         27 18R 1   9
03B12X
30INST NARR ANG TV COVER         4 102         27 29I 1   4
03B12X
31REM OSE STIM FRAME            25  02 1 2 4 627 27R 2   8 1   915   8
03A   03B
32REM FEPS STIM                 36 102 1       27 31R 1  36
03B03X
33INST FEPS SHIELD              42 202 1 2     27 32I 1  15 2  15 5  12
14A57X03B03X
34INST WIDE ANG TV COVER         2 102 1       27 13I 1   2
03B10X
35REM IRR STIM                  30 102 1       26  7R 1  30
03B06X03B07X03A   03B
36TORQUE FEPS SHIELD            30 202 5       27 33I 2  30
14A57X03B03X
37REM BRACK/LATCH SCAN          20 202 1 2 5   27 31R 2  10 1  10
01A19X01A20X01A21X01B01X01B02X03A00W03B00W
38TURN POWER OFF                 2  02         27 28T27   2
00000
39INST UVS STIM                 34 102 1       27  8I 1  17 2  17
03B08X
40REM UVS STIM                  13 102 1       27 39R 1   7 2   6
03B08X
41TORQUE TV DATA CONVERTER      17 102 5       27 25I 2  17
11B06X11B   11C   11A01
42TORQUE TV CAMERA DRIVER       12 102 5       27 26I 2  12
11B07X11B   11C   11A01
43SECURE IN AO HIGH BAY        330  02         27 42T22 330
00000
TASK 28  DAY 230  02/02/69
 1PREP TO WEIGH S/C              5 102         27 43T27   5
00000
 2REL/INST SHEAR PLATE          20 202 1 2 5       T25   5 1   7 2   8
11A03X11A01X
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 3CK TORQUE POWER SPRINGS       7 20210       26 11T10   7
04B01X
 4INST POWER SPRING SCREWS     18 202 1 2 5   28  3I 1   9 2   9
04B01X
 5TORQUE SHEAR PLATE SCREW     22 102 5       28  2I 2  22
11A03X
 6INST CASE 5 LOUVER           28 202 1 2 5   26 24I 1  14 2  14
09A02X09A01X
 7INST CASE 7 LOUVER           20 202 1 2 5   26 25I 1  10 2  10
11A02X11A03X11A01
 8INST SOL PANEL SQUIB        112  02 1 2     28  4I 1  40 2  4011  2014  12
04B10X04B11X04B01X04A
 9PRESS SCAN PLAT               8  0210       26  6T27   8
00000
10INST TC ANG CASE 5            2 202 1 2 5   28  6I 1   1 2   1
14A27X09A02X
11INST TC ANG CASE 7            2 202 1 2 5   28  7I 1   1 2   1
14A28X11A02X
12REM PROP MOUNT 1              1 202 1 2 4 618  4R 2   1
01A13X01A14X01A15X
13TILT S/C                      2 102         26 13T16   2
00000
14REM PROP MOUNT 2              1 202 1 2 4 628 12R 2   1
01A16X01A17X01A18X
15INST SOL PANEL CLAMPS/PP      1 202 1 2     28  8I14   1
04B04X04B05X04B06X04B07X04A
16SUB PROP MOUNT SCREWS        22 202 1 2     28 12I 1  11 2  11
01A13X01A14X01A15X01A16X01A17X01A18X
17TORQ PROP MOUNT SCREWS        5 202 5       18  4R 2   5
01A13X01A14X01A15X01A16X01A17X01A18X
18TIE SOL PANEL HARN/PP        48 202         26 11I14  48
04B04X04B05X04B06X04B07X04A
19COMPLETE SOL PANEL INST      30 202 1 2 5   28 18I 1   8 2   811   714   7
04B04X04B05X04B06X04B07X04A
20INST LOW THERMAL BLANKET     60 302 1 2 5   25 49I 1  30 2  30
14A02X01A02 03B   03A
21INST SCAN PLAT THER BLK      32 302 1 2 5   28 20I 1  16 2  16
14A03X03B00W03A00W14A02
22TORQUE SCAN PLAT BLANKET     23 202 5       28 21I 2  23
14A02X14A03X14A02014A03013B00015B000
220CCLUDED ZONES                                   M
01A00001B00005A00005B00005C00006A00006B00006C00006D00007A00007B00007C00008A000
220CCLUDED ZONES                                   M
08B00008C00009A00009B00009C00010A00010B00010C00011A00011B00011C00012A00012B000
220CCLUDED ZONES                                   M
12C00013A000
23CLEAN TV LENS                 5 102 1       27 35T 1   2 6   3
03B12X
24INST TC HARDWARE             20 202 1 2 5   26 18I 1  10 2  10
14A54X14A53X14A55X14A58X
25INST CRUISE DAMPS            52 202 1 2 5       I 1  26 2  26
04B03X04B02 04B01
26INST IRS GAS STOR ASSY        3 202 1 2 5   24 32I 1   2 2   1
03915X14A02 14A03
27LIFT S/C                     15 402         28 25T16   7 3   8
01A01
28INST SOL PANEL STRUTS        20 202 1 2 5   28 19I 1  10 2  10
04A00W
29REM SHORT PLUG FROM IRS      13 102 1       28 26R 1  13
03B16X03B17X14A02 14A03
300PEN SOLAR PANELS            76 202         28 28T 1  76
01A09X01A10X01A11X01A12X04A
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31DEMATE IRS                      4 202        28 26T27   4
00000
32LIFT S/C                        8 402        28 27T16   4 3   4
01A01
33INST HOLD FIX TO U RING         2  02        28 32I27   2
00000
34REM PROTECT COVERS             10 102 1      28 31R 1  10
03B08X03B06X03B12X03B15X03B16X
35REM LOUVER COVERS              13 202 1 2 5  28  7R 1   7 2   6
05A02 07A03 08A02 09A02 10A01 11A02 12A02
36MOVE S/C ONTO SCALE           185  02        28 32T16 100 3  85
01A01
37TEST FOR CENT OF GRAVITY       80  02        28 36T27  80
00000
38COMPLETE WEIGHING               2  02        28 37T27   2
00000
39INST PROTECT COVERS            13 102 1      28 34I 1  13
03B08X03B06X03B12X03B15X03B16X
40INST LOUVER COVERS             25 202 1 2 5  28 35I 1  13 2  12
05A02 07A03 08A02 09A02 10A01 11A02 12A02
41CLOSE SOLAR PANELS SECPP       18 202 1 2 5  28 30T 1   9 2   9
04A   X04B01X04B08X
42LIFT S/C                       37 102        28 36T16  19 3  18
01A01
43WEIGH U RING                   25 102        28 33T27  25
00000
44INST IRS PURGE LINE             2 102        28 31I27   2
00000
45REM HOIST BRACKETS              3 202 1 2 5  28 25R 1   2 2   1
01A01
46INST TCFM COVER/JET VALV       40 102 1      17  4I 1  40
13A13X13A05X13A01 13A09 02B01X
47SECURE IN AO HIGH BAY         300  02        28 46T22 300
00000
TASK 29  DAY 231  02/03/69
 1SECURE IN AO HIGH BAY          30  02        28 47T22  30
00000
 2REM PIN PULLER                 62 202 1 2 5  25 22R 2  31 1  31
04B08X04A
 3VERIFY SOL PANEL 5             18 202 1 2 5  28 41T27  18
00000
 4INST PIN PULL                  12 202 1 2    29  3T 1   6 2   6
04B08X04A
 5VERIFY SOL PANEL 1             10  02        28 41T 1   3 2   327   4
04B08X
 6COMPLETE SOL PANEL 1 CK         1  02        29  5T27   1
04B08X
 7ROTATE S/C                      2  02        28 42T16   2
00000
 8VERIFY SOL PANEL 7              5  02        28 41T 1   2 2   227   1
04B08X
 9COMPLETE SOL PANEL 7 CK         2  02        29  8T27   1 2   1
04B08X
10VERIFY SOL PANEL 3              8  02        28 41T 1   2 2   227   4
04B08X
11COMPLETE SOL PANEL 3 CK        20  02        29 10T27   8 1   6 2   6
04B08X
12PREP TO INST CAN BAFFLE        32 102        27 15T27  32
00000
13REP FEPS SCREW                  1 202 1 2    27 36T 2   1
03B03X
14INST CANOPUS BAFFLE            32 202 1 2 5  29 12I 1  16 2  16
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13B08X13B09X13B10X13B11X
15TORQUE FEPS                    5 202 5       29 13I 2   5
03B03X
16OPEN SOLAR PANELS             22 202 1 2 5   28 41T 1  11 2  11
04A  X04B08X
17TORQUE CANOPUS BAFFLE        108 102 5       29 14I 2 108
13A08X13A09X13A10X13A11X
18PREP TO INST CRUISE DAMP      30 102         29 16T27  30
00000
19INST CRUISE DAMPER            99 202 1 2 5   29 18I 1  50 2  49
04B03X04B02 04B01 04A
20ROTATE S/C                    26 102         29  7T16  26
00000
21TORQUE SOL PANEL 3            30 202 1 2 5   29 10I 2  30
04A03X
22SET CRUISE DAMP MCSWITCH       2 102 1            T 1   2
04B09X
23REM IRS GAS STORAGE           13 202 1 2 5   28 39R 2   7 1   6
03B15X14A02X14A03X
23EXPOSED ZONES                                     M
12C0CE13A00E13B00E15A00E
24SET MICROSWITCH               70 102 1       29  9T 1  70
04B09X
25REM IRS VENT ASSY             16 202 1 2     29 23R 2   8 1   8
03B17X14A02X14A03
26CAST CRUISE DAMP              14  0210            T12  14
04B03X
27WEIGH IRS GAS SYS             76  02         29 25T27  76
03B15X
28INST PROP MOUNTS              29  02 1 2 5   28 16I 1  15 2  14
01A13X01A14X01A15X01A16X01A17X01A18X
29ALIGN PROP MTS                30  0210       28 14I10  30
01A13X01A14X01A15X01A16X01A17X01A18X
30CK MOUNT SETTINGS              7  02         29 29T27   7
00000
31TORQUE FEPS HOOD             198  02 5       29 15I 2 198
03B03X
32SET PROP                       5  02         29 30I27   5
00000
33REM IRS PURGE LINE            60  02         28 44R27  60
00000
34MOVE S/C TO CLAM SHELL        10  02         29 20T16   5 3   5
01A01
35CONN PURGE TO CLAM SHELL      25  N5         29 34T29  25

36SECURE SHIP CAN              210  N5         29 35T31 210
00000
37PREP TO MOVE TO ESF           15  N5         29 35T27  15
00000
38MOVE S/C TO ESF               45  N5         29 37T21  45
00000
39COMPLETE TRANSFER TO ESF      15  N5         29 38T21  15
00000
40VACUUM TRANSPORTER            15  N5         29 39T27  15
00000
41MOVE S/C TO SOUTH BAY         30  N5         29 40T21  30
00000
TASK 30  DAY 232  02/04/69
 1MOVE S/C TO SOUTH BAY         75  N5         29 41T21  75
00000
 2REM S/C FROM CLAM SHELL       15 4F2         29 34R29  15
00000
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 3REM S/C FROM TRANSPORTER      5 4F2          30  2R16   3 3   2
01A01
 4LOWER S/C TO POSITIONER      10 2F2          30  3T16   5 3   5
01A01
 5SEC TO POSITIONER            10  F2 1 2 5    30  4T 3   516   5
01A01
 6MOVE TENT OVER S/C            1 4F2          30  5T27   1
00000
 7SEC GROUND STRAP TO S/C      34 2F2 1 2 5    30  5T 1  17 2  17
14A46X
 8PREP TO PRESS                30 1F2          30  7T27  30
00000
 9INST SHIPPING BRACKETS       30 2F2          30  7I27  30
00000
10PRESS SCAN PLAT              16 1F2          30  8T27  16
00000
11INST SCAN PLAT VALVES       101 2F2 1 2 5    30 10I11 101
03A01
12REM CHANEL CASE 3            20 2F2 1 2      29 21R 2  10 1  10
14A20X
13REM   OSE MIRROR             10  F2          27 27T27  10
03A01
14INST CHANEL CASE 3           95 2F2 1 2      30 12I 1  48 2  47
14A20X
15TORQUE SCAN PLAT VALVES      30 2F2 5        30 11I 2  30
03A01
16TILT S/C                     32 1F2          30  5T16  32
00000
17INST SQUIBS  S/P             18 2F2 1 2 5       I 1   5 2   511   8
04B10X04B11X04A
18INST PIN PULLERS             55 2F2 1 2 5    29  2I 1  20 2  2011  15
04B08X04A
19INST SQUIB PULLER            32 2F2 1 2 5    30 17I 1  11 2  1111  10
01B09X
20INST IRS GAS VENT            13 2F2          29 25I27  10 2   3
00000
21REM IRS GAS VENT             10 2F2          30 20R27  10
00000
22CK PIN PULLER                 3 2F2          30 18T27   3
00000
23TORQUE SQUIB PULLER           6 2F2 5        30 19I 2   6
01B09X
24CONN BENDIX ON VENT SQUI     10 2F2          30 23T11  10
01B09X
25LOCK WIRE LATCH VENT SQU     40 2F212        30 24T 1  20 2  20
01B09X
26PREP TO INST PROP            10 2F2          18  4T27  10
00000
27INST PROP                    10 2F2 1 2 5    30 26I 1   3 2   3 3   4
06A00W06B00W06C00W06D00W
28REM PROP WIRE                35 1F2 1        30 27R 1  35
06A00W
29INST IRS PURGE LINE          90 2F2          29 33I27  90
00000
30SECURE IN ESF TENT          594  02          30 29T23 594
00000
STAGE  10 ESF OPERATION
TASK 01  DAY 233   2/05/69
 1TEST IN PROGRESS             40 1T2              T27  40
00000
 2REM CASE 3 CHANNEL           25 2T2 1 2 5       R 1  13 2  12
14A26X07A02
```

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 3TURN ON POWER                 25  T2                T27  25
00000
 4RETURN BATT TO DIVISION       59 2T2                T27  59
00000
 5COMPLETE BATT CHECK            8 2T2            1  4T27   8
00000
 6VERIFY A/C GAS JETS          113 2T2                T27 113
00000
 7TEST IN PROGRESS              30 1T2                T    30
00000
 8CK SENSORS                     2 2T2                T 9   2
00000
 9TEST IN PROGRESS              14 1T2                T27  14
00000
10TURN OFF POWER                14  T2            1  3T27  14
00000
11REM DIR ACCESS CONNS OSE       2 2T2                R11   2
00000
12INST FLIGHT DUST CAPS          3 1T2 1              I 1   3
00000
13REM SHORT PLUGS                5 2T2 1 2            R 2   3 1   2
15A05X
14MATE DIR ACCES CONNS          10 2T2            1 11I11  10
15A05X
15UNMATE SQUIB HARN CONNS        1 2T2                R11   1
15A05X
16INST SHORT PLUGS               1 2T2 1 2        1 13I 2   1
15A05X
17REM BATT MON CABLE OSE        70 1T2                R27  70
00000
18PREP FOR A/C PRESS             5 2T2            1  6T27   5
00000
19INST DUST CAPS                 5 1T2            1 12I11   5
12A02X07A02
20SET UP A/C PRESS               1 1T210          1 18T10   1
00000
21REM NAMG TAPE                  1 1T210              R10   1
03B01X03B02X
22CK TORQUE ON CONNS             8 2T210              T10   8
00000
23PRESS A/C GAS SYS            120 2T210          1 20T10 120
00000
24CK GAS SYS                    40 2T210          1 23T10  40
00000
25CLOSE GAS VALVES             140 2T2            1 24I27 140
13A02X
26CK GAS SYS                    15 2T210          1 25T10  15
00000
27PRESS GAS SYS                 45 2T210              T10  45
00000
28CK GAS SYS                   120 2T210          1 27T10 120
00000
29CLOSED GAS VALVES             30 2T2            1 28I27  30
13A10X
30SEC IN TENT                  488  T2            1 29T23 488
00000
TASK 02  DAY 234   2/06/69
 1SEC IN TENT                   30  T2            1 30T23  30
00000
 2PREP TO REM FILL MANIFS        2 1T2                T27   2
00000
 3PREP TO INST OSE CONNS        10 1T2                T27  10
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00000
 4CLOSE FILL MANIF            68 2T2          2  2I 1  68
13A02X
 5CLOSE FILL MANIF           250 2T2          2  2I 1 250
13A10X
 6INST THERM SHIELD           60 2T2 1 2          I 1  30 2  30
06D03X
 7PREP IRS BOTTLES            15 1T2              T27  15
00000
 8INST CASE 2 ANG ATTACH      60 2T2 1 2          I 1  30 2  30
14A31X06D03
 9INST EXHAUST LNS OSE        15 2T2              I27  15
00000
10REL IRS GAS STORAGE ASSY    35 1T2              T25  35
00000
11RUN TEST ON MONO  FLOW      10 1T210            T10  10
00000
12STATIC CK                   47 1T210        2 11T10  47
00000
13INST IRS GAS SYS            18 3T2 1 2 5    2 10I 1   9 2   9
03B15X14A02 14A03
14CONN GAS LNS                10 2T2 1 2 5    2 13I 1   3 2   311   4
03B15X03B16X14A01 14A03
15RUN TEST                    30 1T2              T27  30
00000
16SEC IN TENT                780  T2          2 15T23 780
00000
TASK 03  DAY 235   2/07/69
 1SEC IN TENT                 90  T2          2 16T23  90
00000
 2BEGIN LEAK TESTS            90 2T210            T10  90
00000
 3INST IRS VENT               30 2T2 1 2 5        I 1  15 2  15
03B17X03B16X03B15X14A01 14A03
 4ASSEMBLED V-BAND            20  T2 1 2 4 6      I 1  10 2  10
01A24X
 5POSIT V-BAND CASE 1         20 2T2 1 2 5        I 1  10 2  10
01B10X01A24X05A02
 6POSIT V-BAND CASE 5         20 2T2 1 2 5        I 1  10 2  10
01B10X01A24X11A02
 7INST NUTS ON ADAPT ASSY     30 2T2 1 2 5        I 1  15 2  15
01A23X
 8INST V-BAND MON CONSOLE     90 3T2              I27  90
00000
 9FLOW TEST MONO TELE          5 2T2          2 11T27   5
00000
10CLEAN ADAPT ASSY             5  T2          2  7C 6   5
01A23X
11INST BOLTS ON ADAPT RING    19 2T2 5        2 10I 1   9 2  10
01A23X
12CONN GAS SYS FILL LINES     81 2T2          2 13I27  81
00000
13CK LINE HOOKUPS             45 1T2          3 12T27  45
00000
14RUN FLOW TEST               40 2T210            T10  40
00000
15SET UP AIR SOURCE           45 2T2              I27  45
00000
16SEC IN TENT                810  T2          3 15T23 810
00000
TASK 04  DAY 236   2/08/69
 1MOVE CRANE OUT OF S BAY      30 1H2              T27  30
```

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00000
 2PRESS IRS GAS SYS            20 1T2          2 13T27  20
00000
 3READ PRESS/BLEED VALVES      77 2T210        3  2T10  39 1  38
03B15X14A02 14A03
 4TEST MONO TELE              360 2T2          2 11T27 360
00000
 5REPRESS GAS SYS/LOCK WR       3 2T212        2 13T 1   1 2   2
00000
 6TEST IRS                     19 2T2          3  3T 9  1010   9
03B15X
 7MON STRAIN GAUGE             50 2T210        3  4T10  50
00000
 8SEC IN TENT                 881  T2          3  7T23 881
00000
TASK 05  DAY 237   2/09/69
 1SEC IN TENT                  65  T2          3  8T23  65
00000
 2REM SCAN PLAT BRACKETS        5 2T2 1 2 5       R 2   3 1   2
14A02X14A03X
 3INST IRS GAS CONN            11 2T2          2 13I11  11
00000
 4CLEAN S/C                    14 2T2          5  3C 1   5 6   5 7   4
03B  X14A02X14A03X01A01X
 5REM TCFM COVER                5 1T2 1           R 1   5
02B00W02A   02C
 5INSTALL PARTS                   T              I
02B00W02C00W
 6ADJUST IRR                   20 1T2 1 2 5       T 1  10 2  10
03B06X14A02 14A03
 7CAST CABLES                   5 2T215           I12   5
01A22X01A23X
 8LOOSEN THERM BLANKET         24 2T2 1 2 5       R 2  12 1  12
14A03X14A02
 9INST THERM BLANKET            2 2T2 1 2 5       I 1   1 2   1
14A03X14A02 14A03005A000
10REM IRR COVER                 1 1T2 1        5  6R 1   1
03B06X
11DEMATE CONNS                  5 2T2 1 2 5    5  3R11   5
03B15X
12MATE CONNS                   23 2T2 1 2 5    5 11I11  23
03B15X
13REM NARR ANG TV COVER         3 1T2 1           R 1   3
03B12X
14INSP NARR ANG TV             10 2T2          5 13T 9  10
00000
15INSP NARR ANG TV/CLEAN       62 2T2              T 9  31 6  31
03B12X
16REM UVS COVER                16 1T2 1           R 1  16
03B08X
17REM HALF LOUVER               4 1T2 1 2         R 2   2 1   2
03B08X
18REM IRS COVER                 6 1T2          5 12R 1   6
03B23X03B17X
19REM IRS GAS CAPS              9 2T2 1 2      5 18R 1   5 2   4
03B15X03B16X
20INST OSE MOUNT PINS           9  T2 1 2 5       I 1   5 2   4
01A23X01A22 01A24
21INST LIFT BRACKETS           61  T2 1 2 5       I 1  31 2  30
01A02
22SEC IN TENT                1080  T2          5 21T231080
00000
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TASK 06  DAY 238   2/10/69
 1SEC IN TENT                  180  T2          5 22T23 180
00000
 2ENCAPSILATE  CTP GDC          75 2H2              I27  75
00000
 3CONNECT S/C CABLES             2 2H2 1 2 5        R 2   1 1   1
01A02
 4REM V-BAND CABLE               1 2H2 1 2 5   3  8R 2   1
01A24X01A23
 5LIFT S/C                       7 1H2         5 21T16   4 3   3
01A01 04A   02A   02B   02C   14A01
 6VACCUM TV LENS                16 2H2         5 13C 7  16
03B12X
 7LOWER S/C TO ADAPT            26 2H2         6  5T16  13 3  13
01A01 04A   02A   02B   02C   14A01 01A23
 8MATE INFLIGHT CONNS            8 2H2              I11   8
01A23
 9CHECK S/C FEET/ADAPT           6 2H210            T10   6
01B04X01B03X
10TORQUE V-BAND ASSY            14 2H2 5       3  8I 2  14
01A23X01A24X
11ADJUST V-BAND ASSY            21 2H2         6 10T 1  11 2  10
01A23X01A24X
12REM SIT/PAS PINS               1 2H2 1 2          R 2   1
01B05X01B06X
13INST BLOW /ADAPT              55 2H2 1 2          I 1  28 2  27
01A23X
14TURN POWER ON                  2  H2              T27   2
00000
15TURN POWER OFF                 3  H2         6 14T27   3
00000
16INST VB PYRO/LANYARD         185 2H2 1 2 5        I 1 100 2  85
01A24X01B10X01A23
17FINAL TORQ ALL BAYS           10 2H2 1 2 5        I 1   5 2   5
C5AC2XC7AC2XC8AC2XC9AC2X10AC1X11AC2X12AC2X
18INST FLGHT SQUIBS CASE 1      55 2H2 1 2 5        I 1  28 2  27
01B10X05AC2
19INST FLGHT SQUIBS CASE 5      65 2H2 1 2 5        I 1  33 2  32
01B10XC9AC2
20LOCKWIRE CS 1/5/GS MANIF      15 2H212            T 1   8 2   7
01B10XC9AC2 05AC2 03B23X13A14X13A15X
21SEC IN TENT                  693 2H2         6 20T23 693
00000
TASK 07  DAY 239   2/11/69
 1REM SUN BAF CV/INST TC        32 2H2 1 2 5        X 2  16 1  16
13B11X14A48
 2CAST CONNS                    28 2H215            I12  28
01A22X01A23
 3CLEAN CASE 6                  30 1H2              C 6  30
10A01X
 4TEST V-BAND CABLES            36 2H210       6 11T10  36
00000
 5LIFT S/C                       3 2H2         6  5T16   1 3   2
01A01 02A   02B   02C   04A   14A01
 6MOVE TO GTV                    2 4H2         7  5T16   1 3   1
01A01 02A   02B   02C   04A   14A01
 7LOWER TO GTV                  57 4H2         7  6T16  27 3  30
01A01 02A   02B   02C   04A   14A01
 8SEC TO PLATE                   8 4H2 1 2 4 6 7  7I 1   4 2   4
01A02
 9REM CABLES                    20 2H2 1 2          R 2  10 1  10
01A02
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10REM LIFT FIXTURES              1  H2 1 2 5   5 21R 2   1
01A02X
11MOVE S/C UNDER TENT            1 4T2 1       7 10T16   1
00000
12REM LOUVER COVERS              3  T2 1 2 5       R 1   2 2   1
05A02X07A02X08A02X09A02X10A01X11A02X12A02X
13INST CLOTURE                  10  T2 1 2 5       I 1   5 2   5
07A03X11A03X
14INST CORN SHIELDS             25 2T2 1 2 5       I 1  13 2  12
14A07X14A06X14A08X14A09X14A10X14A11X14A12X14A13X
15VACCUM S/C                    65 2T2          7 14T 7  65
01A01X02A  X02B  X02C  X04A   14A01 14A02 14A03
16VACCUM SUN SEN PED            20 2T2             C 7  20
14A04X14A05X13B07X
17BOLT DOWN NOSE CONE           52 2T2             I27  52
00000
18INST TORAUS RING GDC          11 3T2             I27  11
00000
19INST HOIST ARMS GDC           22 3T2             I27  22
00000
20INST CAPS GDC                  5 3T2          6 19I27   5
00000
21ENCAPS COMPLETE GDC           25 4T2          7 20I27  25
00000
22INST OSE CABLES GDC           10 3T2             I27  10
00000
23INST N2 PURGE GDC              8 2N5          7 23I27   8
00000
24TURN POWER OFF GDC           107 2N5          6 18T27 107
00000
25TURN POWER ON  GDC           400 2N5          7 24T27 400
00000
26REM UMBILICAL CABLES GDC      15 2N5             R27  15
00000
27CK IRS GDC                    10 2N5             T27  10
00000
28UNPLUG STRAIN GAUGE GDC        5 2N5             R27   5
00000
29SEC IN NOSE FAIRING GDC      217 2N5          7 28T32 217
00000
30LEAVE ESF AREA GDC            72 4N5          7 28T21  72
00000
31ARRIVE AT PAD  GDC             5 4N5          7 30T21   5
00000
32REM TRANS BOTTLE GDC          11 2N5             R27  11
00000
33MOVE UNDER HOIST GDC          16 4N5             T27  16
00000
34ATTACH GROUND STRAP GDC       18 2N5             T27  18
00000
35REM ALL FASTENERS GDC          6 2N5             R27   6
00000
36DISCONN PURGE                  4 1N5          7 23R27   4
00000
37RAISE TO TOP OF MISSLE         5 4N5          7 36I16   321   2
00000
38MOVE INTO TOWER GDC           20 1N5          7 37T16  20
00000
39CHARGE Q BOTTLE GDC            5 2N5             T 2   5
00000
40LOWER S/C GDC                 20 4N5          7 38T 3  20
00000
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41REM GROUND STRAPS GDC        30 2N5          7 34R 2  15 1  15
00000
TASK 08  DAY 240   2/12/69
 1SEC A/C EQUIP GDC             5  N5              I27   5
00000
 2REM SLING GDC                25  N5              RZ7  25
00000
 3SEC ON PAD GDC             1410  N5          8  2T321410
00000
TASK 09  DAY 241   2/13/69
 1SEC ON PAD                 1440  N5          8  3T321440
00000
TASK 10  DAY 242   2/14/69
 1SEC ON PAD                  422  N5          9  1T32 422
00000
 2REM S/C FROM CENTAUR GDC      8 4N5          7 40R27   8
00000
 3LOWER S/C GDC                12 5N5         10  2 27  12
00000
 4POSITION S/C GDC              6 4N5         10  3T27   6
00000
 5FINISH LOWER S/C GDC         17 5N5         10  3T27  17
00000
 5SEC S/C ON GTV GDC            1 5N5         10  5I27   1
00000
 7CONN A/C GDC                  9  N5          8  1T27   9
00000
 8RUN LEAK TEST GDC            15  N5         10  7T27  15
00000
 9START FOR ESF AREA GDC       85  N5         10  6T21  85
00000
10ARRIVED AT ESF AREA GDC       5  N5         10  9T21   5
00000
11MOVE S/C TO AIR LOCK GDC     15  N5         10 10T21  15
00000
12CONN STRAIN GAUGE CABLES      6  N5          6 11I27   6
00000
13CLEAN SHROUD GDC             74  N5         10 12C27  74
00000
14RINSE SHROUD                 13 5N2         10 13C27  13
00000
15MOVE TO TENT                 12 5N2         10 14T27  12
00000
16DE-ENCAPSULATE S/C           65 4H2 1 2 4 610 15R 3  3316  32
01A01 02A   02B   02C   04A   14A01
17INSP S/C                     15 3H2         10 16T 9  15
00000
18INST V-BAND COVER             1 2H2 1 2 5   7  4I 2   1
01A24X01A23
19COVER CANOPUS TRACKER        12 1H2 1            I 1  12
13B08X13B09 13B10 13B11
20REM TC CORNER SHIELDS        60 2H2 1 2 5   7 14R 1  30 2  30
14A07X14A08X14A09X14A10X14A11X14A12X14A13X
21INST LOUVER COVERS            2  H2 1 2 5   7 12I 1   1 2   1
05A02X08A02X09A02X10A01X11A02X12A02X
22GROUND S/C                    1  H2         10 17T27   1
00000
23READ V-BAND STRAIN GAUGE      5  H210        7  4T10   5
00000
24INST U-RING ON LLP OSE        4  H2              I27   4
00000
25LATCH SIT                    10 1H2 1            I 1  10
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01B05X
26LATCH PAS                    15 1H2 1            I 1  15
01B06X
27READ STRAIN GAUGE            15 1H210            T10  15
00000
28INST V-BAND SHIELDS          10 2H2 1 2 5   7  4I 1   5 2   5
01A24X01B03
29REM V-BAND SQUIB             12 2H2 1 2    10 28R 1   6 2   6
01B10X01A24 01A23
30RED V-BAND PRESS              8 2H2        10 29T 5   8
01A24X01A23
31REM PROP THERM SHIELD         1 2H2 1 2 5       R 2   1
06D03X06D
32REM CASE 2 ANG ATTACH         9 2H2 1 2 5       R 2   4 1   5
14A31X
33INST SHORTING PLUGS           5 2H2 1 2 5   1 16I 1   3 2   2
06A00W06B00W06C00W06D00W
34INST CASE 2 SHIELD           10 2H2 1 2 5       I 1   5 2   5
06D03X06D
35INST S/C LIFT BARS            6 2H2 1 2 5       I 1   3 2   3
01A02
36REM V-BAND                   20 2H2 1 2 5  10 30R 1  10 2  10
01A24X01A23 01B03X
37LIFT S/C                      1 4H2        10 35T16   1
01A01X02A   02B   02C   04A   14A01
38INST IRS BOTTLE COVERS        1 1H2 1       4 18I 1   1
03B15X03B16X
39INST IRR COVER                1 1H2 1       5  6I 1   1
03B06X
40INST UVS COVER                1 1H2 1       5 16I 1   1
03B08X
41INST NARR ANG TV CAMERA       2 2H2 1 2 5   5 13I 2   2
03B12X
42INST IRS COVER                4 1H2 1      10 38I 1   4
03B15X
43COVER FEPS WITH TAPENAMG      1 1H2             I 1   1
03B01X03B02X03B03
44INST IRS EXHAUST CAP/OSE     13 2H2         5 19I27  13
00000
45MOUNT S/C ON U-RING          11  H2        10 24I 3   616   5
01A01X02A   02B   02C   04A   14A01
46COVER S/C WITH TENT           4 4T2 1      10 15I27   4
01A01
47ATTACH PURGE TO IRS           3 2T2         7 27I27   3
00000
48INST IRS RAD COV PLATE        2 2T2 1 2 5  10 38I 1   1 2   1
03B16X03B19X03B17X
49CABLE UP S/C/OSE             10 3T2             I27  10
00000
50TURN S/C                     15  T2        10 49T16  15
00000
51CONN IRS STRAIN GAUGE CB     15  T2        10 26I27  15
00000
52SEC IN TENT                 370  T2        10 51T23 370
00000
TASK 11  DAY 243   2/15/69
 1SEC IN TENT                  15  T2        10 52T23  15
00000
 2REM HALF LOUVER COVER        15 2T2 1 2 5  10 21R 2   7 1   8
14A54X
 3REM NARR ANG TV CAMERA       24 2T2 1 2 5  10 41R 2  12 1  12
03B12X
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 4MOUNT NARR ANG ON CKOUT      24 2T2          11  3I27  24
00000
 5TURN OFF POWER               10  T2           7 25T27  10
00000
 6TURN ON POWER                10  T2           7 25T27  10
00000
 7TEST NARR ANG TV             28 2T2          11  4T27  28
00000
 8SEC INCLENOMETER             11 2T2               T27  11
00000
 9TEST VERT ATTIT OF S/C       23 2T2          11  8T27  23
00000
10SEC IN TENT                 254  T2          11  9T23 254
00000
11ROTATE S/C                   62 4T2          11  9T16  62
00000
12REM V-BAND                   15 2T2 1 2 5  10 36R 2   7 1   8
01A24X
13INST V-BAND                  10 2T2 1 2 5  11 12I 1   5 2   5
01A24X
14REM CASE 3 UP CHANNEL         5 2T2 1 2 5       R 2   2 1   3
14A15X07A02
14INSTALL PARTS                    T              I
14A00W
14OCCLUDE ZONES                                   M
04A00004B00013A00013B00015A00012C00006C00010A000
15INST ACCESS TO ATT CONT       9 2T2              I27   9
00000
16CLEAN ADAPT STUCT ASSY       11 2T2           6 13C 6   6 7   5
C1A23X01A22
17ROTATE S/C                   60  T2          11 11T16  60
00000
18TURN OFF POWER               20  T2          11  6T27  20
00000
19INST CASE FLT CAP OSE         5  T2              I27   5
00000
20TURN ON POWER                90  T2          11 18T27  90
00000
21ROTATE S/C                  174 4T2          11 17T16 174
00000
22TURN OFF POWER               11  T2          11 20T27  11
00000
23REM INFLGHT TEST CBC/OSE      3 2T2           6  8R27   3
00000
24REM UVS LOUVER COVER          3 2T2 1 2 5  10 40R 1   2 2   1
14A54
25INST UVS LOUVER COVER         4 2T2 1 2 5  11 24R 1   2 2   2
14A54
26LOWER S/C                    37 4T2          11  9T16  37
00000
27INSP SUN SEN                 18 2T2               T 9  18
00000
28INSP NARR ANG TV              2 2T2          11  7T27   2
00000
29CLEAN NARR ANG TV             3 2T2          11 28C 6   3
03B12X
30DEMATE ADAPT STRUCT          10 2T2          11 16R 3   516   5
01B05X01B06X01B04X01B03X01A23X01A22X
31INST OSE GUIDE PINS          88 2T2          11 30I27  88
00000
32REM ADAPT STRUCT              7 3T2          11 30T16   7
01A23X
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33REM IRS COVERS                  5 1T2 1       10 44R 1   5
03B16X03B17X03B15X
34INSP IRS                        6 1T2         11 33T 9   6
00000
35REM IRR COVER                   9 1T2 1       10 39R 1   9
03B06X
36REM UVS COVERS                  3 1T2 1       11 25R 1   3
03B08X
37REM FEPS TAPE/NAMG              4 2T2 1       10 43R 1   4
03B01X03B02X03B03X
38TORQUE SEN CABLE CLAMPS        28 2T2 5            I 2  28
04B09X
39TILT S/C VERTICALLY             5 4T2         11 26T16   5
00000
40SEC IN TENT                   319  T2         11 39T23 319
00000
TASK 12  DAY 244   2/16/69
 1SEC IN TENT                    40  T2         11 40T23  40
00000
 2COMPLETE V-BAND ASSY           55 2T2 1 2 5  11 13I 1  28 2  27
01A24X01B10X
 3MATE A/C TO ADAPT ASSY         90 2T2         11 16I27  90
00000
 4DEMATE A/C FROM ASSY           15 2T2         12  3R27  15
00000
 5REM TENT                       15 4H2         10 46T27  15
01A01
 6REM S/C FROM LLP               25 4H2         10 45R 3  1316  12
01A01X02A   02B   02C   04A   14A01
 7CLEAN SUN SEN LENS             25 1H2         11 27C 6  25
13B01X13B02X
 8CLEAN MARS GATE LENSES         10 1H2              C 6  10
03B01X03B02X
 9REM IRS BOTTLE COVERS           5 1H2 1       10 38R 1   5
03B15X
 9INSTALL PARTS                      H               I
03B00W
10CLEAN CANOPUS SEN LENS         25 1H2         10 19C 6  25
13B08X13B09X13B10X13B11X
11REM GUIDE PINS                 20 2H2 1 2 5  12  4R 2  10 1  10
01B04X01A23X
12INST V-BAND                    75 2H2 1 2 5  12  2I 1  38 2  37
01A24X01A23X
13INSP V-BAND FOR BINDING         5 1H210      12 12T10   3 9   2
00000
14MOVE TENT OVER S/C             25 4T2         12  5I27  25
01A01
15READ V-BAND TENSION            10 1T210       12 13T10  10
00000
16SEC IN TENT                    75  T2         12 15T23  75
00000
17TURN ON POWER                  20  T2         11 22T27  20
00000
18START PYRO CHECK               10 2T2         12 17T27  10
00000
19REM SIT PIN                    10 2T2 1 2     10 25R 2   5 1   5
01B05X
20REM PAS PIN                     5 2T2 1 2     10 26R 2   3 1   2
01B06X
21STOP PYRO CHECK                15 2T2         12 18T27  15
00000
22TURN OFF POWER                 25  T2         12 17T27  25
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00000
23CONTINUE PYRO CHECK          10 2T2        12 21T27  10
00000
24REM SHORT PLUGS              80 2T2 1 2 5  10 33R 2  40 1  40
15AC6X15B02X15AD5X
24INSTALL PARTS                   T             I
15ADCW15BDOW
25COMPLETE PYRO CHECK           5 2T2        12 23T27   5
00000
26INST TC CORN SHIELDS CS2    115 2T2 1 2 5  10 20I 1  58 2  57
14A07X14A31
27INST V-BAND STRAP            45 2T2 1 2 5  12 15I 1  23 2  22

28INST V-BAND HOLD TOOLS       35 2T2 4 6    12 27I 1  18 2  17
01A24X
29TORQUE V-BAND                45 2T2 5      12 12I 2  45
01A24X
30SEC IN TENT                  42  T2        12 29T23  42
00000
31RETIGHTEN V-BAND             43 2T2 5      12 29T 2  43
01A24X
32INST V-BAND SQUIBS            8 2T2 1 2 5  12 31I 1   4 2   4
01B10X01A24X01A23X
33MATE CONNS OSE               11 2T2        12 32I27  11
00000
34INST V-BAND HARN CLAMPS      34 2T2 1 2 5  11 13R 1  17 2  17
01A23X01A24X01B10
35SEC IN TENT                 367  T2        12 34T23 367
00000
TASK 13  DAY 245   2/17/69
 1READ V-BAND                  15 1T210      12 32T10  15
00000
 2ADJUST CASE 3 TENSION/VB      5 2T210      13  1T10   5
00000
 3READ V-BAND                   5 1T2        12 32T10   5
00000
 4CK VB TENSION CS 7            5 2T210           T10   5
00000
 5READ V-BAND                   2 1T210      12 32T10   2
00000
 6REM V-BAND HOLDERS           13 2T2 4 6    12 34R 2   6 1   7
01A23X01B10X01A24X
 7VACCUM V-BAND                45 2T2        13  6T 7  45
01A23X01A24X01B10X
 8REM OSE MON CABLES            2 2T2        13  7R27   2
00000
 9INSP V-BAND                   1 1T2        13  8T 9   1
00000
10REM OSE CABLES                1 2T2        12 16R27   1
00000
11REM ADAPT ASSY AIR            1 2T2        13 10R27   1
00000
12PREP TO MOVE TENT             1 4T2        13 11T27   1
00000
13MOVE TENT                     4 2H2        13 12T27   4
01A01
14INST CRANE                   11 4H2        13 13I 3  11
00000
15MOVE S/C TO GTV               9 4H2        13 14I 3  416   5
01A01X02A   02B   02C   04A   14A01
16LOWER S/C TO GTV              5 4H2        13 15T 3  216   3
00000
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17REM CRANE                        5 3H2         13 16R 3   5
00000
18SEC BOLTS TO ADAPT              10 2H2 1 2 4 613 10I 1   5 2   5
01A23X01A02
19REM S/C LIFT BRACKETS           30 2H2 1 2 5  13 17R 2  15 1  15
01A02X
20MOVE S/C INTO TENT              15 4T2        13 13T27  15
01A01
21INSP S/C                        10 1T2        13 20T 9  10
00000
22REM LOUVER COVERS               15 2T2 1 2 5  11 25R 2   7 1   8
05A02X08A02X09A02X10A01X11A02X12A02
22INSTALL PARTS                       T                I
05A00W08A00W09A00W10A00W
23TORQUE CLOSURE PLATES            3 1T2 1 2 5  13  2I 2   3
07A02X07A03
24TORQUE CLOSURE PLATES            2 1T2 1 2 5  13  4I 2   2
11A02X11A03
25TORQ CORNER SHIELDS              5 2T2 5      10 20I 1   3 2   2
14A07X14A08X14A09X14A10X14A11X14A12X14A13X
26DEMATE TEMP TRANS CABLE          2  T2        13 23R27   2
00000
27DEMATE TEMP TRANS CABLE          3  T2        13 24R27   3
00000
28REM V-BAND COVER                20 2T2 1 2 5  13  9R 2  10 1  10
01A22 01A23X01A24X01B10X01B04 01B03
28INSTALL PARTS                       T                I
01A00W01B00W
29REM CANOPUS SEN COVER           20 1T2 1 2    12 10R 2  10 1  10
13B08X
29INSTALL PARTS                       T                I
13A00W13B00W
30VACCUM V-BAND                   15 2T2        13 28T 7  15
01A24X01A23X
31VACCUM CORN SHIELDS TC          15 2T2        13 25T 7  15
05A02X06D03X07A02X08A02X09A02X10A01X11A02X12A02X14A01X14A03X14A02X
32ENCAPSULATE S/C                125 4E2        13 31T32 125
00000
33SEC IN CAPSULE                1020  E2        13 32T321020
00000
TASK 14  DAY 246  02/18/69
 1SEC IN CAPSULE                1180  E2        13 33T321180
00000
 2MOVE S/C TO SNA AIRLOCK         20 1E4        13 32T27  20
00000
 3MOVE S/C TO TRUCK                2 4E4        14  2T21   2
00000
 4START PURGE                      3 1N5        14  3T27   3
00000
 5INST HYDROGEN LEAK DETEC         5 2N5        14  4T27   5
00000
 6INST SPEEDOMETER                10 2N5        14  3I27  10
00000
 7MOVE S/C TO PAD                 62 4N5        14  6T21  62
00000
 8REM LEAK DETECT                 48 2N5        14  5R27  48
00000
 9INST GANTRY GRND CABLE           5 2N5        14  7I27   5
00000
10HOIST S/C                       30 4N5        14  9T27  30
00000
11INST S/C ON CENTAUR              7 4N5        14 10T27   7
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00000
12REM HOISTING ARMS            39 2N5        14 10T27  39
00000
13REM TORUS RING                4 3N5         7 18R27   4
00000
14SEC ON PAD                   25  N5        14 13T32  25
00000
STAGE  11 LAUNCH COMPLEX 36B OPERATIONS
TASK 01  DAY 247  02/19/69
 1HOISTING S/C ON GANTRY     195 4N5              T21 195
00000
 2X-RAY S/C                   70 4N5         1  1T27  70
00000
 3SECURE ON PAD             1175  N5         1  2T311175
00000
TASK 02  DAY 248  02/20/69
 1SECURE ON PAD             1440  N5         1  3T311440
00000
TASK 03  DAY 249  02/21/69
 1SECURE ON PAD              150  N5         2  1T31 150
00000
 2REM MONO BALLS FROM ADAP    60 2N5              R27  60
00000
 3INST COVER PLATES           60 2N5              I27  60
00000
 4SECURE ON PAD             1170  N5         3  3T311170
00000
TASK 04  DAY 250  02/22/69
 1SECURE ON PAD             1440  N5         3  4T311440

TASK 05  DAY 251  02/23/69
 1SECURE ON PAD              510  N5         4  1T31 510
00000
 2REM SHORTING PLUG           90 2N5              R27  90
00000
 3MATE PYRO CABLE TO S/C      90 3N5              T27  90
00000
 4SECURE ON PAD              750  N5         5  3T31 750
00000
END
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