Chapter 4 - NIMS Observation Summaries

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Introduction to Chapter 4

This chapter summarizes the NIMS G2 observations in terms of a comprehensive sequence summary, Individual Obstab Summaries and a NIMS Obstab (Observation Table).

The NIMS Sequence Summary is a time-ordered listing of all spacecraft activity pertinent to NIMS operations for the G2 Sequence. The information in this summary is derived from the G2 SEFs (Spacecraft Event File) and PBTs (Playback Tables) with inputs from the NIMS Science Coordinators regarding the start time and duration of the NIMS observations. There are twelve columns of information in this table:

1) Line - Line Count.
2) YR - Year.
3) DOY - Day of Year.
4) Time - SCET Time (UTC).
5) PSID - Parameter Set ID of the SEF line.
6) Command - Command name from the SEF.
7) Parameters - Parameters from the above Command Line.
8) Description - Description of the above Command for NIMS.
9) GCM - NIMS Gain, Chopper mode, Instrument Mode.
   Gain = 1,2,3 or 4.
   Chopper Mode = R (Reference) or 6 (63Hz).
   Instrement Mode = 0-15
10) GO - NIMS Grating Offset.
11) GS - NIMS Grating Start Position.
12) RIM,MF,I - SCLK of the Command Line (RIM:MF:RTI)

An additional line is inserted into this table at the start and stop times of each NIMS Observation (Oapel) to bracket the commands which affect each NIMS Observation. The NIMS Playback Select and DeSelect times are also inserted into this table to correlate the playback requests with the observations.

The Individual Obstab Summaries are expansions of the NIMS Obstab to one page per Obstab entry for ease in reading the NIMS Obstab.

The NIMS Obstab (Observation Table) is a time-ordered listing of the NIMS obsrvation parameters for use by downlink data processing of the NIMS G2 data. It is also derived from the G2 SEFs and PBTs. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry.

Sequence:	G02A-AR	Created: 11/5/96	Begin: 96-245/16:00:00 Finish: 96-252/16:05:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	**96**	**245**	**16:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**2R0**	**4**	**0**	**3,592,170:00:6**
2	**96**	**245**	**16:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**2R0**	**4**	**0**	**3,592,170:00:6**
3	**96**	**245**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,170:00:6**
4	**96**	**245**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,170:00:6**
5	**96**	**245**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,170:00:6**
6	**96**	**245**	**16:00:00.000**	**20A3FB**	**37F2P**	**Initial Condition**	**Shield Flash Heater ON (primary relay)**	**2R0**	**4**	**0**	**3,592,170:00:6**
7	**96**	**245**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,170:00:6**
8	**96**	**245**	**16:00:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,170:00:6**
9	**96**	**245**	**16:00:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**2R0**	**4**	**0**	**3,592,170:00:6**
10	96	245	16:00:00.266		DMS:	: READY	RDY, TRACK 3, FWD, TIC 201.31 +/-	2R0	4	0	3,592,170:01:0
11	96	245	16:01:59.600	165BA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,592,171:89:0
12	**96**	**245**	**16:01:59.600**	**432JA6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R0**	**4**	**0**	**3,592,171:89:0**
13	96	245	16:02:00.266	432JA431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	2R0	4	0	3,592,171:90:0
14	96	245	16:02:00.266	165BA4B	7SCAN	NORM,188.65,0.10	Check S/P Position	2R0	4	0	3,592,171:90:0
15	**96**	**245**	**16:02:00.933**	**432JA6D**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**2R0**	**4**	**0**	**3,592,172:00:0**
16	96	245	16:02:00.933	432JA6C	6RTSL1		R/T Select of DDS and	2R0	4	0	3,592,172:00:0
17	96	245	16:02:08.266	488A6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2R0	4	0	3,592,172:11:0
18	**96**	**245**	**16:03:00.266**	**432SA6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**2R0**	**4**	**0**	**3,592,172:89:0**
19	96	245	16:03:00.266	488A6B	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	2R0	4	0	3,592,172:89:0
20	96	245	16:05:00.266	418SA6B	6BUFHI	10	MUB Buffer high water	2R0	4	0	3,592,174:87:0
21	96	245	16:05:00.266	418SA6A	6BUFLO	2	MUB Buffer low water m	2R0	4	0	3,592,174:87:0
22	96	245	16:34:08.266	488A6C	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R0	4	0	3,592,203:70:0
23	**96**	**245**	**16:51:00.266**	**20DE3A**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,220:41:0**
24	**96**	**245**	**16:52:00.266**	**20DE3B**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,221:40:0**
25	**96**	**245**	**16:52:06.266**	**20DE3C**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**2R0**	**4**	**0**	**3,592,221:49:0**
26	**96**	**245**	**16:52:10.266**	**20DE3D**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**2R0**	**4**	**0**	**3,592,221:55:0**
27	**96**	**245**	**16:52:16.266**	**20DE3E**	**40T2**	**1**	**PCT Heater 2 ON**	**2R0**	**4**	**0**	**3,592,221:64:0**
28	**96**	**245**	**16:52:20.266**	**20DE3F**	**40T2**	**2**	**PCT Heater 2 ON**	**2R0**	**4**	**0**	**3,592,221:70:0**
29	96	245	16:59:38.933	465KF6A	6DMST	1300	DMS Slew to TIC	2R0	4	0	3,592,229:00:0
30	96	245	16:59:38.933		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 201.31 +/-	2R0	4	0	3,592,229:00:0
31	96	245	19:15:12.266	41TA99A	**POWER**	**PWR MODE change**	Change to Calib/Decon Mode	2R0	4	0	3,592,363:06:0
32	**96**	**245**	**19:15:16.266**	**41TA3G**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,363:12:0**
33	**96**	**245**	**19:15:26.266**	**41TA3H**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,363:27:0**
34	**96**	**245**	**19:15:36.266**	**41TA3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,363:42:0**
35	**96**	**245**	**19:15:46.266**	**41TA3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,363:57:0**
36	**96**	**245**	**19:15:56.266**	**41TA3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**2R0**	**4**	**0**	**3,592,363:72:0**
37	**96**	**245**	**19:16:06.266**	**41TA3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**2R0**	**4**	**0**	**3,592,363:87:0**
38	96	245	19:26:59.600	175KA422A6A	6DMSC	R28,1	DMS Control	2R0	4	0	3,592,374:66:0
39	96	245	19:27:07.666		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC *1301.39 +/-	2R0	4	0	3,592,374:78:1
40	96	245	19:27:11.600	175KA176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R0	4	0	3,592,374:84:0
41	96	245	19:27:11.666		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *1302.89 +/-	2R0	4	0	3,592,374:84:1
42	96	245	19:27:11.666		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 1302.89 +/-	2R0	4	0	3,592,374:84:1
43	96	245	19:27:12.933		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *1304.01 +/-	2R0	4	0	3,592,374:86:0
44	96	245	19:27:12.933	175ZQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	3,592,374:86:0
45	96	245	19:27:14.333		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *1304.23 +/-	2R0	4	0	3,592,374:88:1
46	96	245	19:27:15.600	175ZQ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R0	4	0	3,592,374:90:0
47	96	245	19:27:15.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1304.34 +/-	2R0	4	0	3,592,374:90:3
48	96	245	19:27:15.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1304.34 +/-	2R0	4	0	3,592,374:90:3
49	96	245	19:32:22.933	175ZQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,592,380:05:0
50	96	245	19:32:22.933		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1376.33 +/-	2R0	4	0	3,592,380:05:0
51	96	245	19:35:25.600	41WA99A	**POWER**	**PWR MODE change**	Change to Data Taking Mode	2R0	4	0	3,592,383:06:0
52	**96**	**245**	**19:35:29.600**	**41WA3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,383:12:0**
53	**96**	**245**	**19:35:39.600**	**41WA3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,383:27:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	**96**	**245**	**19:35:49.600**	**41WA3A**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,383:42:0**	
55	**96**	**245**	**19:35:59.600**	**41WA3B**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**2R0**	**4**	**0**	**3,592,383:57:0**	
56	**96**	**245**	**19:36:09.600**	**41WA3C**	**40T2R**		**1 PCT Heater 2 OFF**	**2R0**	**4**	**0**	**3,592,383:72:0**	
57	**96**	**245**	**19:36:19.600**	**41WA3D**	**40T2R**		**2 PCT Heater 2 OFF**	**2R0**	**4**	**0**	**3,592,383:87:0**	
58	96	245	20:40:20.266	444UA443A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2R0	4	0	3,592,447:24:0	
59	96	245	21:34:40.200	176KA6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	2R0	4	0	3,592,501:00:0	
60	96	245	21:39:42.200	165KA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,592,505:89:0	
61	96	245	21:39:42.866	165KA4B	7SCAN	NORM,200.556,-4.	Check S/P Position	2R0	4	0	3,592,505:90:0	
62	96	245	22:34:18.200	431YL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R0	4	0	3,592,559:89:0	
63	96	245	22:37:28.200	20YC6A	6HICON			2R0	4	0	3,592,563:10:0	
64	96	245	22:38:22.200	431YM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2R0	4	0	3,592,564:00:0	
65	96	245	22:41:04.866	488B6A	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R0	4	0	3,592,566:62:0	
66	96	245	22:43:00.200	20OA6A	6HICON			2R0	4	0	3,592,568:53:0	
67	96	245	22:48:00.200	432OA6A	6RTSL1		R/T Select of DDS and	2R0	4	0	3,592,573:48:0	
68	96	245	22:56:32.866	165KB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,592,581:89:0	
69	96	245	22:56:33.533	165KB4B	7SCAN	NORM,200.044998,	Check S/P Position	2R0	4	0	3,592,581:90:0	
70	96	245	23:13:04.866	488B6B	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	2R0	4	0	3,592,598:30:0	
71	96	245	23:31:56.200	165KC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,592,616:89:0	
72	96	245	23:31:56.866	165KC4B	7SCAN	NORM,198.889,-6.	Check S/P Position	2R0	4	0	3,592,616:90:0	
73	96	245	23:45:04.866	488B6C	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R0	4	0	3,592,629:89:0	
74	96	246	00:12:22.866	165BB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,592,656:89:0	
75	96	246	00:12:23.533	165BB4B	7SCAN	NORM,192.469,-2.	Check S/P Position	2R0	4	0	3,592,656:90:0	
76	96	246	00:19:32.200	175NA422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,592,664:05:0	
77	96	246	00:19:40.266		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *1377.78 +/-	2R0	4	0	3,592,664:17:1	
78	96	246	00:19:44.200	175NA176A6A	6TMREC	HPW	115.2 KBPS PWS RECORD Record Mode Change	2R0	4	0	3,592,664:23:0	
79	96	246	00:19:44.266		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1384.05 +/-	2R0	4	0	3,592,664:23:1	
80	96	246	00:19:44.266		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1384.05 +/-	2R0	4	0	3,592,664:23:1	
81	96	246	00:20:09.533	488B6D	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	2R0	4	0	3,592,664:61:0	
82	96	246	00:20:14.866	175NA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,592,664:69:0	
83	96	246	00:20:14.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1491.63 +/-	2R0	4	0	3,592,664:69:0	
84	96	246	00:49:38.866	175NB422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,592,693:76:0	
85	96	246	00:49:46.933		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *1493.94 +/-	2R0	4	0	3,592,693:88:1	
86	96	246	00:49:50.866	175NB176A6A	6TMREC	HPW	115.2 KBPS PWS RECORD Record Mode Change	2R0	4	0	3,592,694:03:0	
87	96	246	00:49:50.933		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1500.21 +/-	2R0	4	0	3,592,694:03:1	
88	96	246	00:49:50.933		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1500.21 +/-	2R0	4	0	3,592,694:03:1	
89	96	246	00:50:07.533	488B6E	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R0	4	0	3,592,694:28:0	
90	96	246	00:50:21.533	175NB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,592,694:49:0	
91	96	246	00:50:21.533		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1607.79 +/-	2R0	4	0	3,592,694:49:0	
92	96	246	03:30:00.200	488C6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2R0	4	0	3,592,852:39:0	
93	96	246	03:56:48.866	488C6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2R0	4	0	3,592,878:86:0	
94	96	246	05:02:56.866	488C6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	2R0	4	0	3,592,944:32:0	
95	96	246	07:54:19.533	488C6D	6TMSED	FILL,EL6	Sci, Eng, and D/L Chan	2R0	4	0	3,593,113:77:0	
96	96	246	08:07:58.866	488C6E	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	2R0	4	0	3,593,127:32:0	
97	96	246	08:59:22.200	175NC422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,593,178:16:0	
98	96	246	08:59:30.266		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *1610.10 +/-	2R0	4	0	3,593,178:28:1	
99	96	246	08:59:34.200	175NC176A6A	6TMREC	HPW	115.2 KBPS PWS RECORD Record Mode Change	2R0	4	0	3,593,178:34:0	
100	96	246	08:59:34.266		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1616.37 +/-	2R0	4	0	3,593,178:34:1	
101	96	246	08:59:34.266		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1616.37 +/-	2R0	4	0	3,593,178:34:1	
102	96	246	09:00:04.866	175NC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,593,178:80:0	
103	96	246	09:00:04.866	20KA4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R0	4	0	3,593,178:80:0	
104	96	246	09:00:04.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1723.94 +/-	2R0	4	0	3,593,178:80:0	
105	96	246	09:29:22.200	175ND422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,593,207:77:0	
106	96	246	09:29:30.266		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *1726.25 +/-	2R0	4	0	3,593,207:89:1	
107	96	246	09:29:34.200	175ND176A6A	6TMREC	HPW	115.2 KBPS PWS RECORD Record Mode Change	2R0	4	0	3,593,208:04:0	
108	96	246	09:29:34.266		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1732.52 +/-	2R0	4	0	3,593,208:04:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	96	246	09:29:34.266		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1732.52 +/-	2R0	4	0	3,593,208:04:1	
110	96	246	09:30:04.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1840.10 +/-	2R0	4	0	3,593,208:50:0	
111	96	246	09:30:04.866	175ND422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,593,208:50:0	
112	96	246	09:35:35.533	176KC6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	2R0	4	0	3,593,214:00:0	
113	96	246	09:40:37.533	165KD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,593,218:89:0	
114	96	246	09:40:38.200	165KD4B	7SCAN	NORM,204.709999,	Check S/P Position	2R0	4	0	3,593,218:90:0	
115	96	246	09:45:00.200	488D6A	6TMSED	NORM,FL6	Sci, Eng, and D/L Chan	2R0	4	0	3,593,223:28:0	
116	96	246	10:20:03.533	165BC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,593,257:89:0	
117	96	246	10:20:04.200	165BC4B	7SCAN	NORM,194.005999,	Check S/P Position	2R0	4	0	3,593,257:90:0	
118	96	246	10:29:46.200	175NE422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,593,267:53:0	
119	96	246	10:29:54.266		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *1842.41 +/-	2R0	4	0	3,593,267:65:1	
120	96	246	10:29:58.200	175NE176A6A	6TMREC	HPW	115.2 KBPS PWS RECORD Record Mode Change	2R0	4	0	3,593,267:71:0	
121	96	246	10:29:58.266		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1848.68 +/-	2R0	4	0	3,593,267:71:1	
122	96	246	10:29:58.266		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1848.68 +/-	2R0	4	0	3,593,267:71:1	
123	96	246	10:30:28.866	175NE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,593,268:26:0	
124	96	246	10:30:28.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1956.26 +/-	2R0	4	0	3,593,268:26:0	
125	96	246	10:59:42.866	175NF422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,593,297:18:0	
126	96	246	10:59:50.933		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *1958.57 +/-	2R0	4	0	3,593,297:30:1	
127	96	246	10:59:54.866	175NF176A6A	6TMREC	HPW	115.2 KBPS PWS RECORD Record Mode Change	2R0	4	0	3,593,297:36:0	
128	96	246	10:59:54.933		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1964.84 +/-	2R0	4	0	3,593,297:36:1	
129	96	246	10:59:54.933		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1964.84 +/-	2R0	4	0	3,593,297:36:1	
130	96	246	11:00:25.533		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2072.41 +/-	2R0	4	0	3,593,297:82:0	
131	96	246	11:00:25.533	175NF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,593,297:82:0	
132	96	246	13:24:16.200	488D6B	6TMSED	NORM,FL5	Sci, Eng, and D/L Chan	2R0	4	0	3,593,440:15:0	
133	96	246	14:45:00.200	488D6C	6TMSED	NORM,DL5	Sci, Eng, and D/L Chan	2R0	4	0	3,593,520:01:0	
134	96	246	14:45:20.200	488D6D	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R0	4	0	3,593,520:31:0	
135	96	246	15:12:14.200	488D6E	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	2R0	4	0	3,593,546:86:0	
136	96	246	15:19:28.200	488E6A	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	2R0	4	0	3,593,554:09:0	
137	96	246	15:47:07.533	488E6B	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R0	4	0	3,593,581:41:0	
138	96	246	16:23:28.200	488E6C	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R0	4	0	3,593,617:36:0	
139	96	246	19:09:41.533	175NG422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,593,781:72:0	
140	96	246	19:09:49.600		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *2074.72 +/-	2R0	4	0	3,593,781:84:1	
141	96	246	19:09:53.533	175NG176A6A	6TMREC	HPW	115.2 KBPS PWS RECORD Record Mode Change	2R0	4	0	3,593,781:90:0	
142	96	246	19:09:53.600		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2080.99 +/-	2R0	4	0	3,593,781:90:1	
143	96	246	19:09:53.600		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2080.99 +/-	2R0	4	0	3,593,781:90:1	
144	96	246	19:10:24.200		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2188.57 +/-	2R0	4	0	3,593,782:45:0	
145	96	246	19:10:24.200	175NG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,593,782:45:0	
146	96	246	19:10:53.533	165AA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,593,782:89:0	
147	96	246	19:10:54.200	165AA4B	7SCAN	NORM,202.324999,	Check S/P Position	2R0	4	0	3,593,782:90:0	
148	96	246	19:14:26.866	432AA6A	6RTSL1		R/T Select of DDS and	2R0	4	0	3,593,786:45:0	
149	96	246	19:29:22.200	175NH422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,593,801:23:0	
150	96	246	19:29:30.266		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *2190.88 +/-	2R0	4	0	3,593,801:35:1	
151	96	246	19:29:34.200	175NH176A6A	6TMREC	HPW	115.2 KBPS PWS RECORD Record Mode Change	2R0	4	0	3,593,801:41:0	
152	96	246	19:29:34.266		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2197.15 +/-	2R0	4	0	3,593,801:41:1	
153	96	246	19:29:34.266		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2197.15 +/-	2R0	4	0	3,593,801:41:1	
154	96	246	19:30:04.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2304.73 +/-	2R0	4	0	3,593,801:87:0	
155	96	246	19:30:04.866	175NH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,593,801:87:0	
156	96	246	19:44:16.866	116AA4A	7STRP	-0.002583,0.0002	Slew =,0.06	2R0	4	0	3,593,816:00:0	
157	96	246	19:49:12.200	175NI422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,593,820:79:0	
158	96	246	19:49:20.266		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *2307.04 +/-	2R0	4	0	3,593,821:00:1	
159	96	246	19:49:24.200	175NI176A6A	6TMREC	HPW	115.2 KBPS PWS RECORD Record Mode Change	2R0	4	0	3,593,821:06:0	
160	96	246	19:49:24.266		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2313.31 +/-	2R0	4	0	3,593,821:06:1	
161	96	246	19:49:24.266		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2313.31 +/-	2R0	4	0	3,593,821:06:1	
162	96	246	19:49:54.866	175NI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,593,821:52:0	
163	96	246	19:49:54.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2420.88 +/-	2R0	4	0	3,593,821:52:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	96	246	20:10:12.866	175NJ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,593,841	59:0
165	96	246	20:10:20.933		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *2423.19 +/-	2R0	4	0	3,593,841	71:1
166	96	246	20:10:24.866	175NJ176A6A	6TMREC	HPW	115.2 KBPS PWS RECORD Record Mode Change	2R0	4	0	3,593,841	77:0
167	96	246	20:10:24.933		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2429.46 +/-	2R0	4	0	3,593,841	77:1
168	96	246	20:10:24.933		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2429.46 +/-	2R0	4	0	3,593,841	77:1
169	96	246	20:10:55.533		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2537.04 +/-	2R0	4	0	3,593,842	32:0
170	96	246	20:10:55.533	175NJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,593,842	32:0
171	96	246	20:15:28.200	117AA	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	3,593,846	77:0
172	96	246	20:15:37.533	117AA105A106A4A	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,847	00:0
173	96	246	20:17:38.866	117AA105A106A4B	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,849	00:0
174	96	246	20:19:40.200	117AA105A106A4C	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,851	00:0
175	96	246	20:21:41.533	117AA105A106A4D	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,853	00:0
176	96	246	20:23:42.866	117AA105A106A4E	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,855	00:0
177	96	246	20:25:44.200	117AA105A106A4F	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,857	00:0
178	96	246	20:27:45.533	117AA105A106A4G	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,859	00:0
179	96	246	20:29:46.200	175NK422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,593,860	90:0
180	96	246	20:29:46.866	117AA105A106A4H	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,861	00:0
181	96	246	20:29:54.266		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *2539.35 +/-	2R0	4	0	3,593,861	11:1
182	96	246	20:29:58.200	175NK176A6A	6TMREC	HPW	115.2 KBPS PWS RECORD Record Mode Change	2R0	4	0	3,593,861	17:0
183	96	246	20:29:58.266		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2545.62 +/-	2R0	4	0	3,593,861	17:1
184	96	246	20:29:58.266		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2545.62 +/-	2R0	4	0	3,593,861	17:1
185	96	246	20:30:28.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2653.20 +/-	2R0	4	0	3,593,861	63:0
186	96	246	20:30:28.866	175NK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,593,861	63:0
187	96	246	20:31:48.200	117AA105A106A4I	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,863	00:0
188	96	246	20:33:49.533	117AA105A106A4J	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,865	00:0
189	96	246	20:35:50.866	117AA105A106A4K	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,867	00:0
190	96	246	20:37:52.200	117AA105A106A4L	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,869	00:0
191	96	246	20:39:53.533	117AA105A106A4M	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,871	00:0
192	96	246	20:41:54.866	117AA105A106A4N	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,873	00:0
193	96	246	20:43:56.200	117AA105A106A4O	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,875	00:0
194	96	246	20:45:57.533	117AA105A106A4P	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,877	00:0
195	96	246	20:47:58.866	117AA105A106A4Q	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,879	00:0
196	96	246	20:50:00.200	117AA105A106A4R	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,881	00:0
197	96	246	20:52:01.533	117AA105A106A4S	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,883	00:0
198	96	246	20:54:02.866	117AA105A106A4T	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,885	00:0
199	96	246	20:56:04.200	117AA105A106A4U	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,887	00:0
200	96	246	20:58:05.533	117AA105A106A4V	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,889	00:0
201	96	246	20:59:46.200	175NL422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,593,890	60:0
202	96	246	20:59:54.266		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *2655.51 +/-	2R0	4	0	3,593,890	72:1
203	96	246	20:59:58.200	175NL176A6A	6TMREC	HPW	115.2 KBPS PWS RECORD Record Mode Change	2R0	4	0	3,593,890	78:0
204	96	246	20:59:58.266		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2661.78 +/-	2R0	4	0	3,593,890	78:1
205	96	246	20:59:58.266		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2661.78 +/-	2R0	4	0	3,593,890	78:1
206	96	246	21:00:06.866	117AA105A106A4W	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,891	00:0
207	96	246	21:00:28.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2769.35 +/-	2R0	4	0	3,593,891	33:0
208	96	246	21:00:28.866	175NL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,593,891	33:0
209	96	246	21:02:08.200	117AA105A106A4X	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,893	00:0
210	96	246	21:04:09.533	117AA105A106A4Y	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,895	00:0
211	96	246	21:06:10.866	117AA105A106A4Z	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,897	00:0
212	96	246	21:08:12.200	117AA105A106A4AA	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,899	00:0
213	96	246	21:10:13.533	117AA105A106A4AB	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,901	00:0
214	96	246	21:12:14.866	117AA105A106A4AC	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,903	00:0
215	96	246	21:14:16.200	117AA105A106A4AD	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,905	00:0
216	96	246	21:16:17.533	117AA105A106A4AE	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,907	00:0
217	96	246	21:18:18.866	117AA105A106A4AF	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,909	00:0
218	96	246	21:20:20.200	117AA105A106A4AG	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,911	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	96	246	21:22:21.533	117AA105A106A4AH	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,913	00:0
220	96	246	21:24:22.866	117AA105A106A4AI	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,915	00:0
221	96	246	21:26:24.200	117AA105A106A4AJ	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,917	00:0
222	96	246	21:28:25.533	117AA105A106A4AK	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,919	00:0
223	96	246	21:30:26.866	117AA105A106A4AL	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,921	00:0
224	96	246	21:32:28.200	117AA105A106A4AM	7STRP	-0.00016,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,923	00:0
225	96	246	21:34:29.533	117AA105A106B4A	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,925	00:0
226	96	246	21:36:30.866	117AA105A106B4B	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,927	00:0
227	96	246	21:38:32.200	117AA105A106B4C	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,929	00:0
228	96	246	21:40:33.533	117AA105A106B4D	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,931	00:0
229	96	246	21:42:34.866	117AA105A106B4E	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,933	00:0
230	96	246	21:44:36.200	117AA105A106B4F	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,935	00:0
231	96	246	21:46:37.533	117AA105A106B4G	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,937	00:0
232	96	246	21:48:38.866	117AA105A106B4H	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,939	00:0
233	96	246	21:50:40.200	117AA105A106B4I	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,941	00:0
234	96	246	21:52:41.533	117AA105A106B4J	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,943	00:0
235	96	246	21:54:42.866	117AA105A106B4K	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,945	00:0
236	96	246	21:56:44.200	117AA105A106B4L	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,947	00:0
237	96	246	21:58:45.533	117AA105A106B4M	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,949	00:0
238	96	246	22:00:46.866	117AA105A106B4N	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,951	00:0
239	96	246	22:02:48.200	117AA105A106B4O	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,953	00:0
240	96	246	22:04:49.533	117AA105A106B4P	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,955	00:0
241	96	246	22:06:50.866	117AA105A106B4Q	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,957	00:0
242	96	246	22:08:52.200	117AA105A106B4R	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,959	00:0
243	96	246	22:10:53.533	117AA105A106B4S	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,961	00:0
244	96	246	22:12:54.866	117AA105A106B4T	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,963	00:0
245	96	246	22:14:56.200	117AA105A106B4U	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,965	00:0
246	96	246	22:16:57.533	117AA105A106B4V	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,967	00:0
247	96	246	22:18:58.866	117AA105A106B4W	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,969	00:0
248	96	246	22:21:00.200	117AA105A106B4X	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,971	00:0
249	96	246	22:23:01.533	117AA105A106B4Y	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,973	00:0
250	96	246	22:25:02.866	117AA105A106B4Z	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,975	00:0
251	96	246	22:27:04.200	117AA105A106B4AA	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,977	00:0
252	96	246	22:29:05.533	117AA105A106B4AB	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,979	00:0
253	96	246	22:31:06.866	117AA105A106B4AC	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,981	00:0
254	96	246	22:33:08.200	117AA105A106B4AD	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,983	00:0
255	96	246	22:34:40.200	488F6A	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	2R0	4	0	3,593,984	47:0
256	96	246	22:35:09.533	117AA105A106B4AE	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,985	00:0
257	96	246	22:36:01.533	488F6B	6TMSED	FILL,DL3	Sci, Eng, and D/L Chan	2R0	4	0	3,593,985	78:0
258	96	246	22:37:10.866	117AA105A106B4AF	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,987	00:0
259	96	246	22:39:12.200	117AA105A106B4AG	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,989	00:0
260	96	246	22:41:13.533	117AA105A106B4AH	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,991	00:0
261	96	246	22:43:14.866	117AA105A106B4AI	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,993	00:0
262	96	246	22:45:16.200	117AA105A106B4AJ	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,995	00:0
263	96	246	22:47:17.533	117AA105A106B4AK	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,997	00:0
264	96	246	22:49:18.866	117AA105A106B4AL	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,593,999	00:0
265	96	246	22:51:20.200	117AA105A106B4AM	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,594,001	00:0
266	96	246	22:53:21.533	117AA105A106B4AN	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,594,003	00:0
267	96	246	22:55:22.866	117AA105A106B4AO	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,594,005	00:0
268	96	246	22:57:24.200	117AA105A106B4AP	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,594,007	00:0
269	96	246	22:59:25.533	117AA105A106B4AQ	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,594,009	00:0
270	96	246	23:01:26.866	117AA105A106B4AR	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,594,011	00:0
271	96	246	23:03:28.200	117AA105A106B4AS	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,594,013	00:0
272	96	246	23:05:29.533	117AA105A106B4AT	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,594,015	00:0
273	96	246	23:07:30.866	117AA105A106B4AU	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,594,017	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	96	246	23:09:32.200	117AA105A106B4AV	7STRP	-0.00032,0.0,0,0	Slew =,0.02	2R0	4	0	3,594,019:00:0	
275	96	246	23:11:33.533	117AA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R0	4	0	3,594,021:00:0	
276	96	246	23:13:05.533	488F6C	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	2R0	4	0	3,594,022:47:0	
277	96	246	23:14:28.866	165JG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,594,023:81:0	
278	96	246	23:14:29.533	165JG4B	7SCAN	NORM,205.880999,	Check S/P Position	2R0	4	0	3,594,023:82:0	
279	96	246	23:14:39.533	118JG	**SMOS**	GS		2R0	4	0	3,594,024:06:0	
280	96	246	23:15:09.533	118JG110A111A4A	7STRP	0.00212,0.0,92,0	Slew =,1.05	2R0	4	0	3,594,024:51:0	
281	96	246	23:15:57.533	175JG422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,594,025:32:0	
282	96	246	23:16:05.600		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *2771.66 +/-	2R0	4	0	3,594,025:44:1	
283	96	246	23:16:09.533	175JG176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R0	4	0	3,594,025:50:0	
284	96	246	23:16:09.600		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2777.93 +/-	2R0	4	0	3,594,025:50:1	
285	96	246	23:16:09.600		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2777.93 +/-	2R0	4	0	3,594,025:50:1	
286	96	246	23:16:10.866	118JG11A	**SMOS**	GE		2R0	4	0	3,594,025:52:0	
287	96	246	23:16:35.533	165AZ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,594,025:89:0	
288	96	246	23:16:36.200	165AZ4B	7SCAN	NORM,201.015999,	Check S/P Position	2R0	4	0	3,594,025:90:0	
289	96	246	23:16:36.866	175JG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,594,026:00:0	
290	96	246	23:16:36.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2873.79 +/-	2R0	4	0	3,594,026:00:0	
291	96	246	23:32:16.200	488F6D	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R0	4	0	3,594,041:44:0	
292	96	246	23:46:56.866	116AB4A	7STRP	-0.005,0.0,0,0,0	Slew =,4.01	2R0	4	0	3,594,056:00:0	
293	96	247	00:15:15.533	488F6E	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	2R0	4	0	3,594,084:00:0	
294	96	247	00:19:11.533	165JH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,594,087:81:0	
295	96	247	00:19:12.200	165JH4B	7SCAN	NORM,205.177999,	Check S/P Position	2R0	4	0	3,594,087:82:0	
296	96	247	00:19:22.200	118JH	**SMOS**	GS		2R0	4	0	3,594,088:06:0	
297	96	247	00:19:52.200	118JH110A111A4A	7STRP	0.00213,0.0,92,0	Slew =3,1.1	2R0	4	0	3,594,088:51:0	
298	96	247	00:20:40.200	175JH422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,594,089:32:0	
299	96	247	00:20:48.266		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *2876.10 +/- 1	2R0	4	0	3,594,089:44:1	
300	96	247	00:20:52.200	175JH176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R0	4	0	3,594,089:50:0	
301	96	247	00:20:52.266		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2882.37 +/- 1	2R0	4	0	3,594,089:50:1	
302	96	247	00:20:52.266		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2882.37 +/- 1	2R0	4	0	3,594,089:50:1	
303	96	247	00:20:53.533	118JH11A	**SMOS**	GE		2R0	4	0	3,594,089:52:0	
304	96	247	00:21:19.533		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2978.23 +/- 1	2R0	4	0	3,594,090:00:0	
305	96	247	00:21:19.533	175JH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,594,090:00:0	
306	96	247	00:45:13.533	488G6A	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R0	4	0	3,594,113:58:0	
307	96	247	01:00:04.866	20KB4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R0	4	0	3,594,128:30:0	
308	96	247	01:23:26.866	165JI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,594,151:40:0	
309	96	247	01:23:27.533	165JI4B	7SCAN	NORM,204.362,-7.	Check S/P Position	2R0	4	0	3,594,151:41:0	
310	96	247	01:24:04.866	118JI	**SMOS**	GS		2R0	4	0	3,594,152:06:0	
311	96	247	01:24:34.866	118JI110A111A4A	7STRP	0.00214,0.0,92,0	Slew =3,1.1	2R0	4	0	3,594,152:51:0	
312	96	247	01:25:22.866	175JI422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,594,153:32:0	
313	96	247	01:25:30.933		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *2980.54 +/- 1	2R0	4	0	3,594,153:44:1	
314	96	247	01:25:34.866	175JI176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R0	4	0	3,594,153:50:0	
315	96	247	01:25:34.933		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *2986.81 +/- 1	2R0	4	0	3,594,153:50:1	
316	96	247	01:25:34.933		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 2986.81 +/- 1	2R0	4	0	3,594,153:50:1	
317	96	247	01:25:36.200	118JI11A	**SMOS**	GE		2R0	4	0	3,594,153:52:0	
318	96	247	01:26:02.200	175JI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,594,154:00:0	
319	96	247	01:26:02.200		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3082.67 +/- 1	2R0	4	0	3,594,154:00:0	
320	96	247	01:29:02.866	165BD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,594,156:89:0	
321	96	247	01:29:03.533	165BD4B	7SCAN	NORM,196.040998,	Check S/P Position	2R0	4	0	3,594,156:90:0	
322	96	247	04:05:16.133	488G6B	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	2R0	4	0	3,594,311:44:0	
323	96	247	04:35:14.800	488G6C	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R0	4	0	3,594,341:12:0	
324	96	247	06:59:40.800	165AB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,594,483:89:0	
325	96	247	06:59:41.466	165AB4B	7SCAN	NORM,204.532999,	Check S/P Position	2R0	4	0	3,594,483:90:0	
326	96	247	07:03:14.133	432AC6A	6RTSL1		R/T Select of DDS and	2R0	4	0	3,594,487:45:0	
327	96	247	07:03:43.466	165AB4C	7VECT		Inert vect update UTC	2R0	4	0	3,594,487:89:0	
328	96	247	07:03:44.133	165AB4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R0	4	0	3,594,487:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	96	247	14:49:36.133	488H6A	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R0	4	0	3,594,948	67:0
330	96	247	15:13:54.800	175KB422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R0	4	0	3,594,972	71:0
331	96	247	15:14:02.866		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC *3084.98 +/- 1	2R0	4	0	3,594,972	83:1
332	96	247	15:14:06.800	175KB176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R0	4	0	3,594,972	89:0
333	96	247	15:14:06.866		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *3086.48 +/- 1	2R0	4	0	3,594,972	89:1
334	96	247	15:14:06.866		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 3086.48 +/- 1	2R0	4	0	3,594,972	89:1
335	96	247	15:14:08.133		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *3087.59 +/- 1	2R0	4	0	3,594,973	00:0
336	96	247	15:14:08.133	411JA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	3,594,973	00:0
337	96	247	15:14:09.533		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *3087.81 +/- 1	2R0	4	0	3,594,973	02:1
338	96	247	15:14:11.000		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3087.93 +/- 1	2R0	4	0	3,594,973	04:3
339	96	247	15:14:11.000		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3087.93 +/- 1	2R0	4	0	3,594,973	04:3
340	96	247	15:14:11.466	411JA6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R0	4	0	3,594,973	05:0
341	96	247	15:14:43.466	488H6B	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	2R0	4	0	3,594,973	53:0
342	96	247	15:16:12.800	411JA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R0	4	0	3,594,975	05:0
343	96	247	15:16:13.466	411JA6D	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,594,975	06:0
344	96	247	15:16:13.466		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3116.63 +/- 1	2R0	4	0	3,594,975	06:0
345	96	247	15:47:02.133	488H6C	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R0	4	0	3,595,005	49:0
346	96	247	16:25:36.133	488H6D	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R0	4	0	3,595,043	62:0
347	96	247	16:30:19.466	488H6E	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	2R0	4	0	3,595,048	32:0
348	96	247	16:57:37.466	488I6A	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R0	4	0	3,595,075	32:0
349	**96**	**247**	**16:59:59.333**	**G2NNCHOPON01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
350	96	247	17:03:15.466	125FG	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	3,595,080	84:0
351	**96**	**247**	**17:03:15.466**	**125FG4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**2R0**	**4**	**0**	**3,595,080**	**84:0**
352	**96**	**247**	**17:04:16.133**	**125FG4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,595,081**	**84:0**
353	**96**	**247**	**17:05:16.800**	**125FG4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**3,595,082**	**84:0**
354	96	247	17:05:16.800	125FG11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	3,595,082	84:0
355	**96**	**247**	**17:05:59.333**	**G2NNCHOPON01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
356	96	247	17:10:23.466	165IT4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,595,087	89:0
357	96	247	17:10:24.133	165IT4B	7SCAN	NORM,205.198,-8.	Check S/P Position	2R0	4	0	3,595,087	90:0
358	**96**	**247**	**17:12:30.000**	**G2NNRECOVY01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
359	**96**	**247**	**17:13:22.133**	**125DC4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R0**	**4**	**0**	**3,595,090**	**84:0**
360	96	247	17:13:22.133	125DC	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	3,595,090	84:0
361	96	247	17:13:22.133	125DC11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	3,595,090	84:0
362	96	247	17:14:18.133	175IT422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,595,091	77:0
363	96	247	17:14:21.466	118IT	**SMOS**	GS		2R0	4	0	3,595,091	82:0
364	96	247	17:14:22.800	127EQ	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	3,595,091	84:0
365	**96**	**247**	**17:14:22.800**	**127EQ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,595,091**	**84:0**
366	**96**	**247**	**17:14:23.466**	**127EQ4B**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,595,091**	**85:0**
367	96	247	17:14:26.200		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *3118.09 +/- 1	2R3	4	0	3,595,091	89:1
368	96	247	17:14:30.133	175IT176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,595,092	04:0
369	96	247	17:14:30.200		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 3124.36 +/- 1	2R3	4	0	3,595,092	04:1
370	96	247	17:14:30.200		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *3124.36 +/- 1	2R3	4	0	3,595,092	04:1
371	96	247	17:14:31.466	127EQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,595,092	06:0
372	96	247	17:14:31.466	118IT110A111A4A	7STRP	0.0,0.0,46,0,0,0	Slew =,3.71	2R3	4	0	3,595,092	06:0
373	96	247	17:14:46.800	118IT110A111B4A	7STRP	0.0012,-0.0073,0	Slew =,3.71	2R3	4	0	3,595,092	29:0
374	**96**	**247**	**17:14:47.466**	**432DD6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,595,092**	**30:0**
375	96	247	17:15:02.133	118IT110A111B4B	7STRP	0.0,0.0,46,0,0,0	Slew =,3.71	2R3	4	0	3,595,092	52:0
376	96	247	17:15:17.466	118IT110A111C4A	7STRP	0.0043,-0.0073,0	Slew =,3.71	2R3	4	0	3,595,092	75:0
377	96	247	17:15:32.800	118IT110A111C4B	7STRP	0.0,0.0,46,0,0,0	Slew =,3.71	2R3	4	0	3,595,093	07:0
378	**96**	**247**	**17:15:46.800**	**432DE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,595,093**	**28:0**
379	96	247	17:15:48.133	118IT110A111D4A	7STRP	0.0073,0.0,0,0,0	Slew =,3.71	2R3	4	0	3,595,093	30:0
380	96	247	17:16:03.466	118IT110A111D4B	7STRP	0.0,0.0,46,0,0,0	Slew =,3.71	2R3	4	0	3,595,093	53:0
381	96	247	17:16:18.800	118IT110A111A4B	7STRP	-0.012801,0.0146	Slew =,3.71	2R3	4	0	3,595,093	76:0
382	**96**	**247**	**17:16:32.667**	**G2NNRECOVY01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
383	96	247	17:16:34.133	118IT110A111A4C	7STRP	0.0,0.0,46,0,0,0	Slew =,3.71	2R3	4	0	3,595,094	08:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	96	247	17:16:49.466	118IT110A111B4C	7STRP	0.0012,-0.0073,0	Slew =,3.71	2R3	4	0	3,595,094:31:0	
385	96	247	17:17:04.800	118IT110A111B4D	7STRP	0.0,0.0,46,0,0,0	Slew =,3.71	2R3	4	0	3,595,094:54:0	
386	96	247	17:17:20.133	118IT110A111C4C	7STRP	0.0043,-0.0073,0	Slew =,3.71	2R3	4	0	3,595,094:77:0	
387	96	247	17:17:35.466	118IT110A111C4D	7STRP	0.0,0.0,46,0,0,0	Slew =,3.71	2R3	4	0	3,595,095:09:0	
388	96	247	17:17:50.800	118IT110A111D4C	7STRP	0.0073,0.0,0,0,0	Slew =,3.71	2R3	4	0	3,595,095:32:0	
389	96	247	17:18:06.133	118IT110A111D4D	7STRP	0.0,0.0,46,0,0,0	Slew =,3.71	2R3	4	0	3,595,095:55:0	
390	96	247	17:18:21.466	118IT11A	**SMOS**	GE		2R3	4	0	3,595,095:78:0	
391	96	247	17:18:30.133		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *3967.87 +/- 1	2R3	4	0	3,595,096:00:0	
392	96	247	17:18:30.133	175IT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,595,096:00:0	
393	96	247	17:21:29.466	176EY6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,595,098:87:0	
394	96	247	17:21:30.800	165EY4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,595,098:89:0	
395	96	247	17:21:31.466	165EY4B	7SCAN	NORM,205.016998,	Check S/P Position	2R3	4	0	3,595,098:90:0	
396	**96**	**247**	**17:22:27.933**	**G2JNSL9LIM01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
397	96	247	17:22:28.133	125EY	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,595,099:84:0	
398	96	247	17:22:28.133	125EY11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,595,099:84:0	
399	**96**	**247**	**17:22:28.133**	**125EY4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,595,099:84:0**	
400	96	247	17:23:16.800	175KC422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	3,595,100:66:0	
401	96	247	17:23:24.133	117EY	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,595,100:77:0	
402	96	247	17:23:24.866		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC *3970.18 +/- 1	2R3	4	0	3,595,100:78:1	
403	**96**	**247**	**17:23:28.800**	**127EY4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,595,100:84:0**	
404	96	247	17:23:28.800	175KC176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	3,595,100:84:0	
405	96	247	17:23:28.800	127EY	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,595,100:84:0	
406	96	247	17:23:28.866		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *3971.68 +/- 1	2R3	4	0	3,595,100:84:1	
407	96	247	17:23:28.866		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 3971.68 +/- 1	2R3	4	0	3,595,100:84:1	
408	**96**	**247**	**17:23:29.466**	**127EY4B**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,595,100:85:0**	
409	96	247	17:23:30.133	175EY422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,595,100:86:0	
410	96	247	17:23:30.133		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *3972.79 +/- 1	2R3	4	0	3,595,100:86:0	
411	96	247	17:23:31.533		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *3973.01 +/- 1	2R3	4	0	3,595,100:88:1	
412	96	247	17:23:32.800	175EY176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,595,100:90:0	
413	96	247	17:23:33.000		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3973.13 +/- 1	2R3	4	0	3,595,100:90:3	
414	96	247	17:23:33.000		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3973.13 +/- 1	2R3	4	0	3,595,100:90:3	
415	96	247	17:23:33.466	117EY105A106A4A	7STRP	0.01,0.0,0,0,0,0	Slew =,0.03	2R3	4	0	3,595,101:00:0	
416	96	247	17:23:37.466	127EY11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,595,101:06:0	
417	96	247	17:29:33.466	117EY11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,595,106:85:0	
418	96	247	17:29:34.800	175EY6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,595,106:87:0	
419	96	247	17:29:34.800	175EY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,595,106:87:0	
420	96	247	17:29:34.800		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4057.93 +/- 1	2R3	4	0	3,595,106:87:0	
421	96	247	17:30:36.800	165CA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,595,107:89:0	
422	96	247	17:30:37.466	165CA4B	7SCAN	NORM,202.691,-7.	Check S/P Position	2R3	4	0	3,595,107:90:0	
423	**96**	**247**	**17:31:49.267**	**G2JNSL9LIM01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
424	96	247	18:03:58.800	165CB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,595,140:89:0	
425	96	247	18:03:59.466	165CB4B	7SCAN	NORM,203.151999,	Check S/P Position	2R3	4	0	3,595,140:90:0	
426	96	247	22:11:42.133	165AC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,595,385:89:0	
427	96	247	22:11:42.800	165AC4B	7SCAN	NORM,208.554998,	Check S/P Position	2R3	4	0	3,595,385:90:0	
428	96	247	22:15:15.466	432AE6A	6RTSL1		R/T Select of DDS and	2R3	4	0	3,595,389:45:0	
429	96	247	22:24:00.133	488I6B	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R3	4	0	3,595,398:13:0	
430	96	247	22:42:02.133	165AD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,595,415:89:0	
431	96	247	22:42:02.800	165AD4B	7SCAN	NORM,208.868999,	Check S/P Position	2R3	4	0	3,595,415:90:0	
432	96	247	23:12:22.133	165AE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,595,445:89:0	
433	96	247	23:12:22.800	165AE4B	7SCAN	NORM,212.463999,	Check S/P Position	2R3	4	0	3,595,445:90:0	
434	96	247	23:28:00.133	488J6A	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	2R3	4	0	3,595,461:40:0	
435	96	247	23:46:44.800	165AF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,595,479:89:0	
436	96	247	23:46:45.466	165AF4B	7SCAN	NORM,208.543999,	Check S/P Position	2R3	4	0	3,595,479:90:0	
437	96	248	00:00:00.133	488J6B	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R3	4	0	3,595,493:08:0	
438	96	248	00:15:21.466	488J6C	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	2R3	4	0	3,595,508:25:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	96	248	00:20:41.466	165AG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,595,513	50:0
440	96	248	00:20:42.133	165AG4B	7SCAN	NORM,208.096998,	Check S/P Position	2R3	4	0	3,595,513	51:0
441	96	248	00:45:19.466	488J6D	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R3	4	0	3,595,537	83:0
442	96	248	01:21:47.466	165AH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,595,573	89:0
443	96	248	01:21:48.133	165AH4B	7SCAN	NORM,208.931999,	Check S/P Position	2R3	4	0	3,595,573	90:0
444	96	248	04:00:22.133	488J6E	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	2R3	4	0	3,595,730	74:0
445	96	248	04:23:47.466	165AI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,595,753	89:0
446	96	248	04:23:48.133	165AI4B	7SCAN	NORM,210.286999,	Check S/P Position	2R3	4	0	3,595,753	90:0
447	96	248	04:30:20.800	488K6A	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R3	4	0	3,595,760	42:0
448	96	248	04:54:07.466	165AJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,595,783	89:0
449	96	248	04:54:08.133	165AJ4B	7SCAN	NORM,210.25,-9.9	Check S/P Position	2R3	4	0	3,595,783	90:0
450	96	248	05:24:27.466	165AK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,595,813	89:0
451	96	248	05:24:28.133	165AK4B	7SCAN	NORM,210.161999,	Check S/P Position	2R3	4	0	3,595,813	90:0
452	96	248	05:54:47.466	165AL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,595,843	89:0
453	96	248	05:54:48.133	165AL4B	7SCAN	NORM,210.085999,	Check S/P Position	2R3	4	0	3,595,843	90:0
454	96	248	06:29:10.133	165AM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,595,877	89:0
455	96	248	06:29:10.800	165AM4B	7SCAN	NORM,212.612,-10	Check S/P Position	2R3	4	0	3,595,877	90:0
456	96	248	06:32:57.466	175KD422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	3,595,881	66:0
457	96	248	06:33:04.800	117AB	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,595,881	77:0
458	96	248	06:33:05.533		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC *4059.38 +/- 1	2R3	4	0	3,595,881	78:1
459	96	248	06:33:09.466	175KD176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	3,595,881	84:0
460	96	248	06:33:09.533		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 4060.88 +/- 1	2R3	4	0	3,595,881	84:1
461	96	248	06:33:09.533		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *4060.88 +/- 1	2R3	4	0	3,595,881	84:1
462	96	248	06:33:10.800	175AA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,595,881	86:0
463	96	248	06:33:10.800		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *4061.99 +/- 1	2R3	4	0	3,595,881	86:0
464	96	248	06:33:12.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *4062.21 +/- 1	2R3	4	0	3,595,881	88:1
465	96	248	06:33:13.466	175AA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,595,881	90:0
466	96	248	06:33:13.666		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4062.33 +/- 1	2R3	4	0	3,595,881	90:3
467	96	248	06:33:13.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4062.33 +/- 1	2R3	4	0	3,595,881	90:3
468	96	248	06:33:14.133	117AB105A106A4A	7STRP	-0.061076,0.0,0,	Slew =,0.12	2R3	4	0	3,595,882	00:0
469	96	248	06:41:44.800	117AB105A106A4B	7STRP	0.06208,-0.01200	Slew =17.44	2R3	4	0	3,595,890	38:0
470	96	248	06:41:59.466	117AB105A106A4C	7STRP	-0.061076,0.0,0,	Slew =,0.12	2R3	4	0	3,595,890	60:0
471	96	248	06:50:30.133	117AB105A106A4D	7STRP	0.06208,-0.01200	Slew =17.44	2R3	4	0	3,595,899	07:0
472	96	248	06:50:44.800	117AB105A106A4E	7STRP	-0.061076,0.0,0,	Slew =,0.12	2R3	4	0	3,595,899	29:0
473	96	248	06:59:15.466	117AB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,595,907	67:0
474	96	248	07:00:00.800	165AO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,595,908	44:0
475	96	248	07:00:01.466	165AO4B	7SCAN	NORM,211.817999,	Check S/P Position	2R3	4	0	3,595,908	45:0
476	96	248	07:00:22.800	117AD	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,595,908	77:0
477	96	248	07:00:32.133	117AD105A106A4A	7STRP	0.004,-0.090295,	Slew =,0.19	2R3	4	0	3,595,909	00:0
478	96	248	07:10:31.466	117AD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,595,918	80:0
479	96	248	07:10:38.800	175AA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,595,919	00:0
480	96	248	07:10:38.800		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4588.54 +/- 1	2R3	4	0	3,595,919	00:0
481	96	248	12:39:15.400	165JA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,596,244	00:0
482	96	248	12:39:16.066	165JA4B	7SCAN	NORM,222.037998,	Check S/P Position	2R3	4	0	3,596,244	01:0
483	96	248	12:39:19.400	118JA	**SMOS**	GS		2R3	4	0	3,596,244	06:0
484	96	248	12:39:49.400	118JA110A111A4A	7STRP	0.00255,0.0,92,0	Slew =,1.21	2R3	4	0	3,596,244	51:0
485	96	248	12:40:37.400	175JA422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,596,245	32:0
486	96	248	12:40:45.466		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *4589.99 +/- 1	2R3	4	0	3,596,245	44:1
487	96	248	12:40:49.400	175JA176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,596,245	50:0
488	96	248	12:40:49.466		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4596.26 +/- 1	2R3	4	0	3,596,245	50:1
489	96	248	12:40:49.466		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4596.26 +/- 1	2R3	4	0	3,596,245	50:1
490	96	248	12:40:50.733	118JA11A	**SMOS**	GE		2R3	4	0	3,596,245	52:0
491	96	248	12:41:16.733	175JA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,596,246	00:0
492	96	248	12:41:16.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4692.12 +/- 1	2R3	4	0	3,596,246	00:0
493	96	248	12:44:58.733	165DA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,596,249	60:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	**96**	**248**	**12:44:59.333**	**G2NNOPCAL_01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
495	96	248	12:44:59.400	165DA4B	7SCAN	NORM,218.078999,	Check S/P Position	2R3	4	0	3,596,249:61:0	
496	**96**	**248**	**12:45:14.733**	**125DA4A**	**37IST**	**0,0,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,596,249:84:0**	
497	96	248	12:45:14.733	125DA	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,596,249:84:0	
498	96	248	12:46:15.400	125DA11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,596,250:84:0	
499	**96**	**248**	**12:46:15.400**	**125DA4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,596,250:84:0**	
500	96	248	12:47:16.066	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,596,251:84:0	
501	**96**	**248**	**12:47:16.066**	**127DA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,596,251:84:0**	
502	**96**	**248**	**12:47:16.733**	**127DA4B**	**37ETB**	**07,C7,31,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,596,251:85:0**	
503	96	248	12:47:24.733	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,596,252:06:0	
504	**96**	**248**	**12:47:40.733**	**432DA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**3,596,252:30:0**	
505	96	248	12:48:16.733	125DI11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,596,252:84:0	
506	96	248	12:48:16.733	125DI	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,596,252:84:0	
507	**96**	**248**	**12:48:16.733**	**125DI4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**3,596,252:84:0**	
508	**96**	**248**	**12:48:40.066**	**432DI6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,596,253:28:0**	
509	**96**	**248**	**12:50:00.667**	**G2NNOPCAL_01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
510	**96**	**248**	**12:50:18.066**	**125EU4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,596,254:84:0**	
511	96	248	12:50:18.066	125EU	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,596,254:84:0	
512	96	248	12:50:18.066	125EU11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,596,254:84:0	
513	96	248	13:54:58.733	165JB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,596,318:81:0	
514	96	248	13:54:59.400	165JB4B	7SCAN	NORM,222.752998,	Check S/P Position	4R3	4	0	3,596,318:82:0	
515	96	248	13:55:09.400	118JB	**SMOS**	GS		4R3	4	0	3,596,319:06:0	
516	96	248	13:55:39.400	118JB110A111A4A	7STRP	0.00258,0.0,92,0	Slew =,1.21	4R3	4	0	3,596,319:51:0	
517	96	248	13:56:27.400	175JB422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,596,320:32:0	
518	96	248	13:56:35.466		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *4694.43 +/- 1	4R3	4	0	3,596,320:44:1	
519	96	248	13:56:39.400	175JB176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	3,596,320:50:0	
520	96	248	13:56:39.466		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4700.70 +/- 1	4R3	4	0	3,596,320:50:1	
521	96	248	13:56:39.466		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4700.70 +/- 1	4R3	4	0	3,596,320:50:1	
522	96	248	13:56:40.733	118JB11A	**SMOS**	GE		4R3	4	0	3,596,320:52:0	
523	96	248	13:57:06.733	175JB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,596,321:00:0	
524	96	248	13:57:06.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4796.56 +/- 1	4R3	4	0	3,596,321:00:0	
525	96	248	13:59:06.733	165CG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,596,322:89:0	
526	96	248	13:59:07.400	165CG4B	7SCAN	NORM,224.328999,	Check S/P Position	4R3	4	0	3,596,322:90:0	
527	96	248	14:32:28.733	165CH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,596,355:89:0	
528	96	248	14:32:29.400	165CH4B	7SCAN	NORM,224.889999,	Check S/P Position	4R3	4	0	3,596,355:90:0	
529	96	248	14:38:56.733	488L6A	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,596,362:34:0	
530	96	248	15:08:54.066	165JC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,596,392:00:0	
531	96	248	15:08:54.733	165JC4B	7SCAN	NORM,223.172998,	Check S/P Position	4R3	4	0	3,596,392:01:0	
532	96	248	15:08:58.066	118JC	**SMOS**	GS		4R3	4	0	3,596,392:06:0	
533	96	248	15:09:28.066	118JC110A111A4A	7STRP	0.0026,0.0,92,0,	Slew =,1.21	4R3	4	0	3,596,392:51:0	
534	96	248	15:09:37.400	488L6B	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,596,392:65:0	
535	96	248	15:10:16.066	175JC422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,596,393:32:0	
536	96	248	15:10:24.133		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *4798.86 +/- 1	4R3	4	0	3,596,393:44:1	
537	96	248	15:10:28.066	175JC176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	3,596,393:50:0	
538	96	248	15:10:28.133		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4805.13 +/- 1	4R3	4	0	3,596,393:50:1	
539	96	248	15:10:28.133		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4805.13 +/- 1	4R3	4	0	3,596,393:50:1	
540	96	248	15:10:29.400	118JC11A	**SMOS**	GE		4R3	4	0	3,596,393:52:0	
541	96	248	15:10:55.400	175JC422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,596,394:00:0	
542	96	248	15:10:55.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4900.99 +/- 1	4R3	4	0	3,596,394:00:0	
543	96	248	15:51:56.066	488L6C	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,596,434:51:0	
544	96	248	16:12:48.733	488L6D	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	4R3	4	0	3,596,455:19:0	
545	96	248	16:19:40.733	165JD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,596,462:00:0	
546	96	248	16:19:41.400	165JD4B	7SCAN	NORM,223.292999,	Check S/P Position	4R3	4	0	3,596,462:01:0	
547	96	248	16:19:44.733	118JD	**SMOS**	GS		4R3	4	0	3,596,462:06:0	
548	96	248	16:20:14.733	118JD110A111A4A	7STRP	0.00262,0.0,92,0	Slew =,1.21	4R3	4	0	3,596,462:51:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	96	248	16:21:02.733	175JD422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,596,463:32:0	
550	96	248	16:21:10.800		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *4903.30 +/- 1	4R3	4	0	3,596,463:44:1	
551	96	248	16:21:14.733	175JD176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	3,596,463:50:0	
552	96	248	16:21:14.800		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4909.57 +/- 1	4R3	4	0	3,596,463:50:1	
553	96	248	16:21:14.800		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4909.57 +/- 1	4R3	4	0	3,596,463:50:1	
554	96	248	16:21:16.066	118JD11A	**SMOS**	GE		4R3	4	0	3,596,463:52:0	
555	96	248	16:21:42.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5005.43 +/- 1	4R3	4	0	3,596,464:00:0	
556	96	248	16:21:42.066	175JD422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,596,464:00:0	
557	96	248	16:23:20.733	488L6E	6TMSED	FILL,DL3	Sci, Eng, and D/L Chan	4R3	4	0	3,596,465:57:0	
558	96	248	16:57:28.733	488M6A	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	4R3	4	0	3,596,499:35:0	
559	96	248	16:58:20.733	488M6B	6TMSED	FILL,DL3	Sci, Eng, and D/L Chan	4R3	4	0	3,596,500:22:0	
560	96	248	17:27:28.733	488M6C	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	4R3	4	0	3,596,529:05:0	
561	96	248	17:30:27.400	165JE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,596,532:00:0	
562	96	248	17:30:28.066	165JE4B	7SCAN	NORM,223.116999,	Check S/P Position	4R3	4	0	3,596,532:01:0	
563	96	248	17:30:31.400	118JE	**SMOS**	GS		4R3	4	0	3,596,532:06:0	
564	96	248	17:31:01.400	118JE110A111A4A	7STRP	0.00266,0.0,92,0	Slew =,1.21	4R3	4	0	3,596,532:51:0	
565	96	248	17:31:49.400	175JE422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,596,533:32:0	
566	96	248	17:31:57.466		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *5007.74 +/- 1	4R3	4	0	3,596,533:44:1	
567	96	248	17:32:01.400	175JE176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	3,596,533:50:0	
568	96	248	17:32:01.466		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5014.01 +/- 1	4R3	4	0	3,596,533:50:1	
569	96	248	17:32:01.466		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5014.01 +/- 1	4R3	4	0	3,596,533:50:1	
570	96	248	17:32:02.733	118JE11A	**SMOS**	GE		4R3	4	0	3,596,533:52:0	
571	96	248	17:32:28.733	175JE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,596,534:00:0	
572	96	248	17:32:28.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5109.87 +/- 1	4R3	4	0	3,596,534:00:0	
573	96	248	17:33:38.733	488M6D	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	4R3	4	0	3,596,535:14:0	
574	96	248	18:30:00.066	488M6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,596,590:81:0	
575	96	248	18:37:11.400	165JF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,596,598:00:0	
576	96	248	18:37:12.066	165JF4B	7SCAN	NORM,222.672998,	Check S/P Position	4R3	4	0	3,596,598:01:0	
577	96	248	18:37:15.400	118JF	**SMOS**	GS		4R3	4	0	3,596,598:06:0	
578	96	248	18:37:45.400	118JF110A111A4A	7STRP	0.00268,0.0,92,0	Slew =,1.21	4R3	4	0	3,596,598:51:0	
579	96	248	18:38:33.400	175JF422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,596,599:32:0	
580	96	248	18:38:41.466		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *5112.18 +/- 1	4R3	4	0	3,596,599:44:1	
581	96	248	18:38:45.400	175JF176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	3,596,599:50:0	
582	96	248	18:38:45.466		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5118.45 +/- 1	4R3	4	0	3,596,599:50:1	
583	96	248	18:38:45.466		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5118.45 +/- 1	4R3	4	0	3,596,599:50:1	
584	96	248	18:38:46.733	118JF11A	**SMOS**	GE		4R3	4	0	3,596,599:52:0	
585	96	248	18:39:12.733	175JF422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,596,600:00:0	
586	96	248	18:39:12.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5214.31 +/- 1	4R3	4	0	3,596,600:00:0	
587	96	248	18:39:20.066	20EA4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R3	4	0	3,596,600:11:0	
588	96	248	18:40:00.066	41VA99A	**POWER**	**PWR MODE change**	Change to Maneuver Mode	4R3	4	0	3,596,600:71:0	
589	**96**	**248**	**18:40:04.066**	**41VA3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,596,600:77:0**	
590	**96**	**248**	**18:40:14.066**	**41VA3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,596,601:01:0**	
591	**96**	**248**	**18:42:24.066**	**41VA3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**3,596,603:14:0**	
592	**96**	**248**	**18:42:34.066**	**41VA3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**3,596,603:29:0**	
593	**96**	**248**	**18:42:44.066**	**41VA3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**3,596,603:44:0**	
594	**96**	**248**	**18:42:54.066**	**41VA3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**3,596,603:59:0**	
595	96	248	18:43:00.066	488N6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4R3	4	0	3,596,603:68:0	
596	96	248	21:15:44.066	488N6B	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4R3	4	0	3,596,754:73:0	
597	96	248	22:10:49.400	488N6C	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	4R3	4	0	3,596,809:26:0	
598	96	248	23:07:53.400	488N6D	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4R3	4	0	3,596,865:66:0	
599	96	248	23:40:00.066	41WB99A	**POWER**	**PWR MODE change**	Change to Data Taking Mode	4R3	4	0	3,596,897:44:0	
600	**96**	**248**	**23:40:04.066**	**41WB3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,596,897:50:0**	
601	**96**	**248**	**23:40:14.066**	**41WB3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,596,897:65:0**	
602	**96**	**248**	**23:40:24.066**	**41WB3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,596,897:80:0**	
603	**96**	**248**	**23:40:34.066**	**41WB3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,596,898:04:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	**96**	**248**	**23:40:44.066**	**41WB3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**3,596,898:19:0**	
605	**96**	**248**	**23:40:54.066**	**41WB3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**3,596,898:34:0**	
606	96	248	23:42:56.066	488O6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,596,900:35:0	
607	96	248	23:50:27.400	488O6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,596,907:75:0	
608	96	248	23:54:06.733	165JJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,596,911:40:0	
609	96	248	23:54:07.400	165JJ4B	7SCAN	NORM,217.629,-12	Check S/P Position	4R3	4	0	3,596,911:41:0	
610	96	248	23:55:59.400	432OE431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	3,596,913:27:0	
611	96	248	23:56:00.066	432OE6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,596,913:28:0	
612	96	248	23:58:04.066	175JJ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,596,915:32:0	
613	96	248	23:58:12.133		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *5216.62 +/- 1	4R3	4	0	3,596,915:44:1	
614	96	248	23:58:16.066	175JJ176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	3,596,915:50:0	
615	96	248	23:58:16.133		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5222.89 +/- 1	4R3	4	0	3,596,915:50:1	
616	96	248	23:58:16.133		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5222.89 +/- 1	4R3	4	0	3,596,915:50:1	
617	96	248	23:58:43.400	175JJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,596,916:00:0	
618	96	248	23:58:43.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5318.75 +/- 1	4R3	4	0	3,596,916:00:0	
619	96	249	00:40:25.400	488O6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,596,957:22:0	
620	96	249	00:58:55.400	165JK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,596,975:49:0	
621	96	249	00:58:56.066	165JK4B	7SCAN	NORM,216.282,-12	Check S/P Position	4R3	4	0	3,596,975:50:0	
622	96	249	00:59:17.400	118JK	**SMOS**	GS		4R3	4	0	3,596,975:82:0	
623	96	249	00:59:27.400	118JK110A111A4A	7STRP	0.00283,0.0,92,0	Slew =,1.21	4R3	4	0	3,596,976:06:0	
624	96	249	00:59:44.733	175JK422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,596,976:32:0	
625	96	249	00:59:52.800		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *5321.05 +/- 1	4R3	4	0	3,596,976:44:1	
626	96	249	00:59:56.733	175JK176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	3,596,976:50:0	
627	96	249	00:59:56.800		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5327.32 +/- 1	4R3	4	0	3,596,976:50:1	
628	96	249	00:59:56.800		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5327.32 +/- 1	4R3	4	0	3,596,976:50:1	
629	96	249	00:59:58.066	118JK11A	**SMOS**	GE		4R3	4	0	3,596,976:52:0	
630	96	249	01:00:24.066	175JK422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,596,977:00:0	
631	96	249	01:00:24.066		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5423.18 +/- 1	4R3	4	0	3,596,977:00:0	
632	96	249	01:05:58.066	165DB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,596,982:46:0	
633	96	249	01:05:58.733	165DB4B	7SCAN	NORM,219.712999,	Check S/P Position	4R3	4	0	3,596,982:47:0	
634	**96**	**249**	**01:06:59.267**	**G2JNGLOMOS01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
635	96	249	01:08:24.733	125DB11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,596,984:84:0	
636	**96**	**249**	**01:08:24.733**	**125DB4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,596,984:84:0**	
637	96	249	01:08:24.733	125DB	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,596,984:84:0	
638	96	249	01:09:25.400	127DB	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,596,985:84:0	
639	**96**	**249**	**01:09:25.400**	**127DB4A**	**37IOP**	**7,5**	**Fixed Map, Grating Start Position =05**	**2R7**	**4**	**5**	**3,596,985:84:0**	
640	**96**	**249**	**01:09:26.066**	**127DB4B**	**37ETB**	**07,C7,19,1F,E1,0**	**Loads wavelength edit table**	**2R7**	**4**	**5**	**3,596,985:85:0**	
641	96	249	01:09:34.066	127DB11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	5	3,596,986:06:0	
642	96	249	01:09:45.400	175KE422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R7	4	5	3,596,986:23:0	
643	96	249	01:09:52.733	117DB	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	5	3,596,986:34:0	
644	96	249	01:09:53.466		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC *5425.49 +/- 1	2R7	4	5	3,596,986:35:1	
645	96	249	01:09:57.400	175KE176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R7	4	5	3,596,986:41:0	
646	96	249	01:09:57.466		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 5426.99 +/- 2	2R7	4	5	3,596,986:41:1	
647	96	249	01:09:57.466		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *5426.99 +/- 1	2R7	4	5	3,596,986:41:1	
648	96	249	01:09:58.733		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *5428.11 +/- 2	2R7	4	5	3,596,986:43:0	
649	96	249	01:09:58.733	175DB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	5	3,596,986:43:0	
650	96	249	01:10:00.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *5428.33 +/- 2	2R7	4	5	3,596,986:45:1	
651	96	249	01:10:01.400	175DB176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	5	3,596,986:47:0	
652	96	249	01:10:01.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5428.44 +/- 2	2R7	4	5	3,596,986:47:3	
653	96	249	01:10:01.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5428.44 +/- 2	2R7	4	5	3,596,986:47:3	
654	**96**	**249**	**01:10:02.053**	**G2JNGLOMOS01-**	**NIMPBK**	**301DB**	**JUPITER GLOBAL MOSAIC PART 1**	**2R7**	**4**	**5**	**: :**	
655	96	249	01:10:02.066	117DB105A106A4A	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,596,986:48:0	
656	96	249	01:11:09.400	117DB105A106A4B	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,596,987:58:0	
657	96	249	01:11:16.733	117DB105A106A4C	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,596,987:69:0	
658	96	249	01:12:24.066	117DB105A106A4D	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,596,988:79:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	96	249	01:12:31.400	117DB105A106A4E	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,596,988:90:0	
660	96	249	01:13:38.733	117DB105A106A4F	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,596,990:09:0	
661	96	249	01:13:46.066	117DB105A106A4G	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,596,990:20:0	
662	96	249	01:14:53.400	117DB105A106A4H	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,596,991:30:0	
663	96	249	01:15:00.733	117DB105A106A4I	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,596,991:41:0	
664	96	249	01:16:08.066	117DB105A106A4J	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,596,992:51:0	
665	96	249	01:16:15.400	117DB105A106A4K	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,596,992:62:0	
666	96	249	01:17:22.733	117DB105A106A4L	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,596,993:72:0	
667	96	249	01:17:30.066	117DB105A106A4M	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,596,993:83:0	
668	96	249	01:18:37.400	117DB105A106A4N	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,596,995:02:0	
669	96	249	01:18:44.733	117DB105A106A4O	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,596,995:13:0	
670	96	249	01:19:51.385	G2JNGLOMOS01-	**DESELC**	300DB	JUPITER GLOBAL MOSAIC PART 1	2R7	4	5	: :	
671	96	249	01:19:52.066	117DB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	5	3,596,996:23:0	
672	96	249	01:19:53.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5567.15 +/- 2	2R7	4	5	3,596,996:25:0	
673	96	249	01:19:53.400	175DB6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	5	3,596,996:25:0	
674	96	249	01:19:53.400	175DB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,596,996:25:0	
675	**96**	**249**	**01:21:00.600**	**G2JNGLOMOS01-**		**-----STOP-------**		**2R7**	**4**	**5**	**: :**	
676	96	249	01:30:00.066	488O6D	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2R7	4	5	3,597,006:25:0	
677	96	249	02:01:36.733	165JL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,597,037:49:0	
678	96	249	02:01:37.400	165JL4B	7SCAN	NORM,215.039,-11	Check S/P Position	2R7	4	5	3,597,037:50:0	
679	96	249	02:01:58.733	118JL	**SMOS**	GS		2R7	4	5	3,597,037:82:0	
680	96	249	02:02:08.733	118JL110A111A4A	7STRP	0.00286,0.0,92,0	Slew =,1.21	2R7	4	5	3,597,038:06:0	
681	96	249	02:02:26.066	175JL422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	5	3,597,038:32:0	
682	96	249	02:02:34.133		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *5568.60 +/- 2	2R7	4	5	3,597,038:44:1	
683	96	249	02:02:38.066	175JL176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	5	3,597,038:50:0	
684	96	249	02:02:38.133		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5574.87 +/- 2	2R7	4	5	3,597,038:50:1	
685	96	249	02:02:38.133		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5574.87 +/- 2	2R7	4	5	3,597,038:50:1	
686	96	249	02:02:39.400	118JL11A	**SMOS**	GE		2R7	4	5	3,597,038:52:0	
687	96	249	02:03:05.400	175JL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,597,039:00:0	
688	96	249	02:03:05.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5670.73 +/- 2	2R7	4	5	3,597,039:00:0	
689	96	249	02:45:58.066	165DC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,597,081:37:0	
690	96	249	02:45:58.733	165DC4B	7SCAN	NORM,220.591999,	Check S/P Position	2R7	4	5	3,597,081:38:0	
691	**96**	**249**	**02:46:59.267**	**G2JNGLOMOS02-**		**-----START------**		**2R7**	**4**	**5**	**: :**	
692	96	249	02:49:31.400	127DC	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	5	3,597,084:84:0	
693	**96**	**249**	**02:49:32.066**	**127DC4A**	**37ETB**	**07,C7,19,1F,E1,0**	**Loads wavelength edit table**	**2R7**	**4**	**5**	**3,597,084:85:0**	
694	96	249	02:49:40.066	127DC11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	5	3,597,085:06:0	
695	96	249	02:49:45.400	175KF422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R7	4	5	3,597,085:14:0	
696	96	249	02:49:52.733	117DC	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	5	3,597,085:25:0	
697	96	249	02:49:53.466		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC *5673.04 +/- 2	2R7	4	5	3,597,085:26:1	
698	96	249	02:49:57.400	175KF176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R7	4	5	3,597,085:32:0	
699	96	249	02:49:57.466		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *5674.54 +/- 2	2R7	4	5	3,597,085:32:1	
700	96	249	02:49:57.466		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 5674.54 +/- 2	2R7	4	5	3,597,085:32:1	
701	96	249	02:49:58.733	175DC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	5	3,597,085:34:0	
702	96	249	02:49:58.733		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *5675.65 +/- 2	2R7	4	5	3,597,085:34:0	
703	96	249	02:50:00.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *5675.87 +/- 2	2R7	4	5	3,597,085:36:1	
704	96	249	02:50:01.400	175DC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	5	3,597,085:38:0	
705	96	249	02:50:01.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5675.99 +/- 2	2R7	4	5	3,597,085:38:3	
706	96	249	02:50:01.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5675.99 +/- 2	2R7	4	5	3,597,085:38:3	
707	**96**	**249**	**02:50:02.049**	**G2JNGLOMOS02-**	**NIMPBK**	**301DC**	**JUPITER GLOBAL MOSAIC PART 2**	**2R7**	**4**	**5**	**: :**	
708	96	249	02:50:02.066	117DC105A106A4A	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,085:39:0	
709	96	249	02:51:09.400	117DC105A106A4B	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,086:49:0	
710	96	249	02:51:16.733	117DC105A106A4C	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,086:60:0	
711	96	249	02:52:24.066	117DC105A106A4D	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,087:70:0	
712	96	249	02:52:31.400	117DC105A106A4E	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,087:81:0	
713	96	249	02:53:38.733	117DC105A106A4F	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,089:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	96	249	02:53:46.066	117DC105A106A4G	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,089:11:0	
715	96	249	02:54:53.400	117DC105A106A4H	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,090:21:0	
716	96	249	02:55:00.733	117DC105A106A4I	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,090:32:0	
717	96	249	02:56:08.066	117DC105A106A4J	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,091:42:0	
718	96	249	02:56:15.400	117DC105A106A4K	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,091:53:0	
719	96	249	02:57:22.733	117DC105A106A4L	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,092:63:0	
720	96	249	02:57:30.066	117DC105A106A4M	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,092:74:0	
721	96	249	02:58:37.400	117DC105A106A4N	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,093:84:0	
722	96	249	02:58:44.733	117DC105A106A4O	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,094:04:0	
723	96	249	02:59:51.383	G2JNGLOMOS02-	**DESELC**	300DC	JUPITER GLOBAL MOSAIC PART 2	2R7	4	5	: :	
724	96	249	02:59:52.066	117DC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	5	3,597,095:14:0	
725	96	249	02:59:53.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5814.69 +/- 2	2R7	4	5	3,597,095:16:0	
726	96	249	02:59:53.400	175DC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	5	3,597,095:16:0	
727	96	249	02:59:53.400	175DC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,597,095:16:0	
728	**96**	**249**	**03:01:00.600**	**G2JNGLOMOS02-**		**-----STOP-------**		**2R7**	**4**	**5**	**: :**	
729	96	249	03:05:18.733	165JM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,597,100:49:0	
730	96	249	03:05:19.400	165JM4B	7SCAN	NORM,213.894999,	Check S/P Position	2R7	4	5	3,597,100:50:0	
731	96	249	03:05:40.733	118JM	**SMOS**	GS		2R7	4	5	3,597,100:82:0	
732	96	249	03:05:50.733	118JM110A111A4A	7STRP	0.00287,0.0,92,0	Slew =,1.21	2R7	4	5	3,597,101:06:0	
733	96	249	03:06:08.066	175JM422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	5	3,597,101:32:0	
734	96	249	03:06:16.133		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *5816.15 +/- 2	2R7	4	5	3,597,101:44:1	
735	96	249	03:06:20.066	175JM176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	5	3,597,101:50:0	
736	96	249	03:06:20.133		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5822.42 +/- 2	2R7	4	5	3,597,101:50:1	
737	96	249	03:06:20.133		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5822.42 +/- 2	2R7	4	5	3,597,101:50:1	
738	96	249	03:06:21.400	118JM11A	**SMOS**	GE		2R7	4	5	3,597,101:52:0	
739	96	249	03:06:47.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5918.28 +/- 2	2R7	4	5	3,597,102:00:0	
740	96	249	03:06:47.400	175JM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,597,102:00:0	
741	96	249	03:11:44.066	465KC6A	6DTRN	CMD,6DTRN,465KC6	DMS TRACK TURNAROUND	2R7	4	5	3,597,106:81:0	
742	96	249	04:01:04.066	488O6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2R7	4	5	3,597,155:62:0	
743	96	249	04:10:01.400	165JN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,597,164:49:0	
744	96	249	04:10:02.066	165JN4B	7SCAN	NORM,212.914999,	Check S/P Position	2R7	4	5	3,597,164:50:0	
745	96	249	04:10:23.400	118JN	**SMOS**	GS		2R7	4	5	3,597,164:82:0	
746	96	249	04:10:33.400	118JN110A111A4A	7STRP	0.00289,0.0,92,0	Slew =,1.21	2R7	4	5	3,597,165:06:0	
747	96	249	04:10:34.733	175JN422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	5	3,597,165:08:0	
748	96	249	04:10:42.800		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *6026.77 +/-	2R7	4	5	3,597,165:20:1	
749	96	249	04:10:46.733	175JN176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	5	3,597,165:26:0	
750	96	249	04:10:46.800		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *6020.50 +/-	2R7	4	5	3,597,165:26:1	
751	96	249	04:10:46.800		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 6020.50 +/-	2R7	4	5	3,597,165:26:1	
752	96	249	04:11:04.066	118JN11A	**SMOS**	GE		2R7	4	5	3,597,165:52:0	
753	96	249	04:11:30.733		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5866.05 +/-	2R7	4	5	3,597,166:01:0	
754	96	249	04:11:30.733	175JN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,597,166:01:0	
755	96	249	04:25:58.066	165DD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,597,180:28:0	
756	96	249	04:25:58.733	165DD4B	7SCAN	NORM,221.573,-13	Check S/P Position	2R7	4	5	3,597,180:29:0	
757	**96**	**249**	**04:26:59.267**	**G2JNGLOMOS03-**		**-----START------**		**2R7**	**4**	**5**	**: :**	
758	96	249	04:29:37.400	127DD	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	5	3,597,183:84:0	
759	**96**	**249**	**04:29:38.066**	**127DD4A**	**37ETB**	**07,C7,19,1F,E1,0**	**Loads wavelength edit table**	**2R7**	**4**	**5**	**3,597,183:85:0**	
760	96	249	04:29:46.066	127DD11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	5	3,597,184:06:0	
761	96	249	04:29:52.066	175DD422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	5	3,597,184:15:0	
762	96	249	04:29:52.733	117DD	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	5	3,597,184:16:0	
763	96	249	04:30:00.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5866.53 +/-	2R7	4	5	3,597,184:27:1	
764	96	249	04:30:01.400	175DD176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	5	3,597,184:29:0	
765	96	249	04:30:01.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5866.41 +/-	2R7	4	5	3,597,184:29:3	
766	96	249	04:30:01.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5866.41 +/-	2R7	4	5	3,597,184:29:3	
767	**96**	**249**	**04:30:02.045**	**G2JNGLOMOS03-**	**NIMPBK**	**301DD**	**JUPITER GLOBAL MOSAIC PART 3**	**2R7**	**4**	**5**	**: :**	
768	96	249	04:30:02.066	117DD105A106A4A	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,184:30:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	96	249	04:31:09.400	117DD105A106A4B	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,185	40:0
770	96	249	04:31:16.733	117DD105A106A4C	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,185	51:0
771	96	249	04:32:24.066	117DD105A106A4D	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,186	61:0
772	96	249	04:32:31.400	117DD105A106A4E	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,186	72:0
773	96	249	04:33:38.733	117DD105A106A4F	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,187	82:0
774	96	249	04:33:46.066	117DD105A106A4G	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,188	02:0
775	96	249	04:34:53.400	117DD105A106A4H	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,189	12:0
776	96	249	04:35:00.733	117DD105A106A4I	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,189	23:0
777	96	249	04:36:08.066	117DD105A106A4J	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,190	33:0
778	96	249	04:36:15.400	117DD105A106A4K	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,190	44:0
779	96	249	04:37:22.733	117DD105A106A4L	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,191	54:0
780	96	249	04:37:30.066	117DD105A106A4M	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,191	65:0
781	96	249	04:38:37.400	117DD105A106A4N	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,192	75:0
782	96	249	04:38:44.733	117DD105A106A4O	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,192	86:0
783	96	249	04:39:52.045	G2JNGLOMOS03-	**DESELC**	300DD	JUPITER GLOBAL MOSAIC PART 3	2R7	4	5	:	:
784	96	249	04:39:52.066	117DD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	5	3,597,194	05:0
785	96	249	04:40:03.400	175DD422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,597,194	22:0
786	96	249	04:40:03.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5725.36 +/-	2R7	4	5	3,597,194	22:0
787	96	249	04:40:03.400	175DD6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	5	3,597,194	22:0
788	**96**	**249**	**04:41:00.600**	**G2JNGLOMOS03-**		**-----STOP-------**		**2R7**	**4**	**5**	**:**	**:**
789	96	249	05:14:44.066	165JO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,597,228	49:0
790	96	249	05:14:44.733	165JO4B	7SCAN	NORM,212.167,-11	Check S/P Position	2R7	4	5	3,597,228	50:0
791	96	249	05:15:06.066	118JO	**SMOS**	GS		2R7	4	5	3,597,228	82:0
792	96	249	05:15:16.066	118JO110A111A4A	7STRP	0.00291,0.0,92,0	Slew =,1.21	2R7	4	5	3,597,229	06:0
793	96	249	05:15:33.400	175JO422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	5	3,597,229	32:0
794	96	249	05:15:41.466		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5726.69 +/-	2R7	4	5	3,597,229	44:1
795	96	249	05:15:45.400	175JO176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	5	3,597,229	50:0
796	96	249	05:15:45.466		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5720.42 +/-	2R7	4	5	3,597,229	50:1
797	96	249	05:15:45.466		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5720.42 +/-	2R7	4	5	3,597,229	50:1
798	96	249	05:15:46.733	118JO11A	**SMOS**	GE		2R7	4	5	3,597,229	52:0
799	96	249	05:16:13.400	175JO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,597,230	01:0
800	96	249	05:16:13.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5622.22 +/-	2R7	4	5	3,597,230	01:0
801	**96**	**249**	**06:03:56.600**	**G2JNGLOMOS04-**		**-----START------**		**2R7**	**4**	**5**	**:**	**:**
802	96	249	06:03:56.733	165DE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,597,277	19:0
803	96	249	06:03:57.400	165DE4B	7SCAN	NORM,222.606998,	Check S/P Position	2R7	4	5	3,597,277	20:0
804	96	249	06:07:42.066	127DE	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	5	3,597,280	84:0
805	**96**	**249**	**06:07:42.733**	**127DE4A**	**37ETB**	**07,C7,19,1F,E1,0**	**Loads wavelength edit table**	**2R7**	**4**	**5**	**3,597,280**	**85:0**
806	96	249	06:07:50.733	175DE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	5	3,597,281	06:0
807	96	249	06:07:50.733	127DE11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	5	3,597,281	06:0
808	96	249	06:07:51.400	117DE	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	5	3,597,281	07:0
809	96	249	06:07:58.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5622.70 +/-	2R7	4	5	3,597,281	18:1
810	96	249	06:08:00.066	175DE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	5	3,597,281	20:0
811	96	249	06:08:00.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5622.58 +/-	2R7	4	5	3,597,281	20:3
812	96	249	06:08:00.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5622.58 +/-	2R7	4	5	3,597,281	20:3
813	**96**	**249**	**06:08:00.709**	**G2JNGLOMOS04-**	**NIMPBK**	**301DE**	**JUPITER GLOBAL MOSAIC PART 4**	**2R7**	**4**	**5**	**:**	**:**
814	96	249	06:08:00.733	117DE105A106A4A	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,281	21:0
815	96	249	06:09:08.066	117DE105A106A4B	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,282	31:0
816	96	249	06:09:15.400	117DE105A106A4C	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,282	42:0
817	96	249	06:10:22.733	117DE105A106A4D	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,283	52:0
818	96	249	06:10:30.066	117DE105A106A4E	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,283	63:0
819	96	249	06:11:37.400	117DE105A106A4F	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,284	73:0
820	96	249	06:11:44.733	117DE105A106A4G	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,284	84:0
821	96	249	06:12:52.066	117DE105A106A4H	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,286	03:0
822	96	249	06:12:59.400	117DE105A106A4I	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,286	14:0
823	96	249	06:14:06.733	117DE105A106A4J	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,287	24:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	96	249	06:14:14.066	117DE105A106A4K	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,287:35:0	
825	96	249	06:15:21.400	117DE105A106A4L	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,288:45:0	
826	96	249	06:15:28.733	117DE105A106A4M	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,288:56:0	
827	96	249	06:16:36.066	117DE105A106A4N	7STRP	0.038018,-0.008,	Slew =12.01	2R7	4	5	3,597,289:66:0	
828	96	249	06:16:43.400	117DE105A106A4O	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,289:77:0	
829	96	249	06:17:50.708	G2JNGLOMOS04-	**DESELC**	300DE	JUPITER GLOBAL MOSAIC PART 4	2R7	4	5	: :	
830	96	249	06:17:50.733	117DE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	5	3,597,290:87:0	
831	**96**	**249**	**06:17:57.933**	**G2JNGLOMOS04-**		**-----STOP-------**		**2R7**	**4**	**5**	**: :**	
832	96	249	06:18:02.066	175DE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,597,291:13:0	
833	96	249	06:18:02.066	175DE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	5	3,597,291:13:0	
834	96	249	06:18:02.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5481.54 +/-	2R7	4	5	3,597,291:13:0	
835	96	249	06:22:28.733	165JP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,597,295:49:0	
836	96	249	06:22:29.400	165JP4B	7SCAN	NORM,211.665998,	Check S/P Position	2R7	4	5	3,597,295:50:0	
837	96	249	06:22:50.733	118JP	**SMOS**	GS		2R7	4	5	3,597,295:82:0	
838	96	249	06:23:00.733	118JP110A111A4A	7STRP	0.00293,0.0,92,0	Slew =,1.21	2R7	4	5	3,597,296:06:0	
839	96	249	06:23:18.066	175JP422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	5	3,597,296:32:0	
840	96	249	06:23:26.133		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5482.87 +/- 1	2R7	4	5	3,597,296:44:1	
841	96	249	06:23:30.066	175JP176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	5	3,597,296:50:0	
842	96	249	06:23:30.133		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5476.60 +/- 1	2R7	4	5	3,597,296:50:1	
843	96	249	06:23:30.133		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5476.60 +/- 1	2R7	4	5	3,597,296:50:1	
844	96	249	06:23:31.400	118JP11A	**SMOS**	GE		2R7	4	5	3,597,296:52:0	
845	96	249	06:23:57.400	175JP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,597,297:00:0	
846	96	249	06:23:57.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5380.74 +/- 1	2R7	4	5	3,597,297:00:0	
847	96	249	06:30:00.066	488P6A	6TMSED	NORM,FL5	Sci, Eng, and D/L Chan	2R7	4	5	3,597,302:89:0	
848	96	249	06:36:48.066	488P6B	6TMSED	NORM,FL6	Sci, Eng, and D/L Chan	2R7	4	5	3,597,309:64:0	
849	96	249	07:32:08.066	165JQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,597,364:39:0	
850	96	249	07:32:08.733	165JQ4B	7SCAN	NORM,211.476,-11	Check S/P Position	2R7	4	5	3,597,364:40:0	
851	96	249	07:32:36.733	118JQ	**SMOS**	GS		2R7	4	5	3,597,364:82:0	
852	96	249	07:32:46.733	118JQ110A111A4A	7STRP	0.00296,0.0,92,0	Slew =,1.21	2R7	4	5	3,597,365:06:0	
853	96	249	07:33:04.066	175JQ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	5	3,597,365:32:0	
854	96	249	07:33:12.133		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5381.22 +/- 1	2R7	4	5	3,597,365:44:1	
855	96	249	07:33:16.066	175JQ176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	5	3,597,365:50:0	
856	96	249	07:33:16.133		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5374.95 +/- 1	2R7	4	5	3,597,365:50:1	
857	96	249	07:33:16.133		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5374.95 +/- 1	2R7	4	5	3,597,365:50:1	
858	96	249	07:33:17.400	118JQ11A	**SMOS**	GE		2R7	4	5	3,597,365:52:0	
859	96	249	07:33:44.066		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5276.75 +/- 1	2R7	4	5	3,597,366:01:0	
860	96	249	07:33:44.066	175JQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,597,366:01:0	
861	96	249	07:39:38.733	488P6C	6TMSED	FILL,FL6	Sci, Eng, and D/L Chan	2R7	4	5	3,597,371:78:0	
862	96	249	07:45:58.066	165DF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,597,378:10:0	
863	96	249	07:45:58.733	165DF4B	7SCAN	NORM,223.566,-14	Check S/P Position	2R7	4	5	3,597,378:11:0	
864	**96**	**249**	**07:47:56.600**	**G2JNGLOMOS05-**		**-----START------**		**2R7**	**4**	**5**	**: :**	
865	96	249	07:49:49.400	127DF	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	5	3,597,381:84:0	
866	**96**	**249**	**07:49:50.066**	**127DF4A**	**37ETB**	**07,C7,19,1F,E1,0**	**Loads wavelength edit table**	**2R7**	**4**	**5**	**3,597,381:85:0**	
867	96	249	07:49:52.066	175DF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	5	3,597,381:88:0	
868	96	249	07:49:52.733	117DF	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	5	3,597,381:89:0	
869	96	249	07:49:58.066	127DF11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	5	3,597,382:06:0	
870	96	249	07:50:00.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5277.22 +/- 1	2R7	4	5	3,597,382:09:1	
871	96	249	07:50:01.400	175DF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	5	3,597,382:11:0	
872	96	249	07:50:01.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5277.11 +/- 1	2R7	4	5	3,597,382:11:3	
873	96	249	07:50:01.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5277.11 +/- 1	2R7	4	5	3,597,382:11:3	
874	**96**	**249**	**07:50:02.038**	**G2JNGLOMOS05-**	**NIMPBK**	**301DF**	**JUPITER GLOBAL MOSAIC PART 5**	**2R7**	**4**	**5**	**: :**	
875	96	249	07:50:02.066	117DF105A106A4A	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,382:12:0	
876	96	249	07:51:09.400	117DF105A106A4B	7STRP	0.038018,-0.0085	Slew =12.01	2R7	4	5	3,597,383:22:0	
877	96	249	07:51:16.733	117DF105A106A4C	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,383:33:0	
878	96	249	07:52:24.066	117DF105A106A4D	7STRP	0.038018,-0.0085	Slew =12.01	2R7	4	5	3,597,384:43:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	96	249	07:52:31.400	117DF105A106A4E	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,384	54:0
880	96	249	07:53:18.066	488P6D	6TMSED	NORM,FL6	Sci, Eng, and D/L Chan	2R7	4	5	3,597,385	33:0
881	96	249	07:53:38.733	117DF105A106A4F	7STRP	0.038018,-0.0085	Slew =12.01	2R7	4	5	3,597,385	64:0
882	96	249	07:53:46.066	117DF105A106A4G	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,385	75:0
883	96	249	07:54:53.400	117DF105A106A4H	7STRP	0.038018,-0.0085	Slew =12.01	2R7	4	5	3,597,386	85:0
884	96	249	07:55:00.733	117DF105A106A4I	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,387	05:0
885	96	249	07:56:08.066	117DF105A106A4J	7STRP	0.038018,-0.0085	Slew =12.01	2R7	4	5	3,597,388	15:0
886	96	249	07:56:15.400	117DF105A106A4K	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,388	26:0
887	96	249	07:57:22.733	117DF105A106A4L	7STRP	0.038018,-0.0085	Slew =12.01	2R7	4	5	3,597,389	36:0
888	96	249	07:57:30.066	117DF105A106A4M	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,389	47:0
889	96	249	07:58:37.400	117DF105A106A4N	7STRP	0.038018,-0.0085	Slew =12.01	2R7	4	5	3,597,390	57:0
890	96	249	07:58:44.733	117DF105A106A4O	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,390	68:0
891	96	249	07:59:52.038	G2JNGLOMOS05-	**DESELC**	300DF	JUPITER GLOBAL MOSAIC PART 5	2R7	4	5	:	:
892	96	249	07:59:52.066	117DF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	5	3,597,391	78:0
893	96	249	08:00:03.400	175DF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	5	3,597,392	04:0
894	96	249	08:00:03.400	175DF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,597,392	04:0
895	96	249	08:00:03.400		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5136.06 +/- 1	2R7	4	5	3,597,392	04:0
896	**96**	**249**	**08:00:04.600**	**G2JNGLOMOS05-**		**-----STOP-------**		**2R7**	**4**	**5**	**:**	**:**
897	96	249	08:44:56.066	165JR4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,597,436	39:0
898	96	249	08:44:56.733	165JR4B	7SCAN	NORM,211.636999,	Check S/P Position	2R7	4	5	3,597,436	40:0
899	96	249	08:45:24.733	118JR	**SMOS**	GS		2R7	4	5	3,597,436	82:0
900	96	249	08:45:34.733	118JR110A111A4A	7STRP	0.00295,0.0,92,0	Slew =,1.21	2R7	4	5	3,597,437	06:0
901	96	249	08:45:52.066	175JR422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	5	3,597,437	32:0
902	96	249	08:46:00.133		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5137.39 +/- 1	2R7	4	5	3,597,437	44:1
903	96	249	08:46:04.066	175JR176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R7	4	5	3,597,437	50:0
904	96	249	08:46:04.133		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5131.12 +/- 1	2R7	4	5	3,597,437	50:1
905	96	249	08:46:04.133		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5131.12 +/- 1	2R7	4	5	3,597,437	50:1
906	96	249	08:46:05.400	118JR11A	**SMOS**	GE		2R7	4	5	3,597,437	52:0
907	96	249	08:46:32.066	175JR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,597,438	01:0
908	96	249	08:46:32.066		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5032.92 +/- 1	2R7	4	5	3,597,438	01:0
909	96	249	09:26:00.066	165DG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,597,477	04:0
910	96	249	09:26:00.733	165DG4B	7SCAN	NORM,224.681,-14	Check S/P Position	2R7	4	5	3,597,477	05:0
911	**96**	**249**	**09:27:00.600**	**G2JNGLOMOS06-**		**-----START------**		**2R7**	**4**	**5**	**:**	**:**
912	96	249	09:28:54.733	127DG	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	5	3,597,479	84:0
913	**96**	**249**	**09:28:55.400**	**127DG4A**	**37ETB**	**07,C7,19,1F,E1,0**	**Loads wavelength edit table**	**2R7**	**4**	**5**	**3,597,479**	**85:0**
914	96	249	09:29:03.400	127DG11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	5	3,597,480	06:0
915	96	249	09:29:54.066	175DG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R7	4	5	3,597,480	82:0
916	96	249	09:29:54.733	117DG	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	5	3,597,480	83:0
917	96	249	09:30:02.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5033.40 +/- 2	2R7	4	5	3,597,481	03:1
918	96	249	09:30:03.400	175DG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R7	4	5	3,597,481	05:0
919	96	249	09:30:03.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5033.28 +/- 2	2R7	4	5	3,597,481	05:3
920	96	249	09:30:03.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5033.28 +/- 2	2R7	4	5	3,597,481	05:3
921	**96**	**249**	**09:30:04.034**	**G2JNGLOMOS06-**	**NIMPBK**	**301DG**	**JUPITER GLOBAL MOSAIC PART 6**	**2R7**	**4**	**5**	**:**	**:**
922	96	249	09:30:04.066	117DG105A106A4A	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,481	06:0
923	96	249	09:31:11.400	117DG105A106A4B	7STRP	0.038018,-0.0085	Slew =12.01	2R7	4	5	3,597,482	16:0
924	96	249	09:31:18.733	117DG105A106A4C	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,482	27:0
925	96	249	09:32:26.066	117DG105A106A4D	7STRP	0.038018,-0.0085	Slew =12.01	2R7	4	5	3,597,483	37:0
926	96	249	09:32:33.400	117DG105A106A4E	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,483	48:0
927	96	249	09:33:40.733	117DG105A106A4F	7STRP	0.038018,-0.0085	Slew =12.01	2R7	4	5	3,597,484	58:0
928	96	249	09:33:48.066	117DG105A106A4G	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,484	69:0
929	96	249	09:34:55.400	117DG105A106A4H	7STRP	0.038018,-0.0085	Slew =12.01	2R7	4	5	3,597,485	79:0
930	96	249	09:35:02.733	117DG105A106A4I	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,485	90:0
931	96	249	09:36:10.066	117DG105A106A4J	7STRP	0.038018,-0.0085	Slew =12.01	2R7	4	5	3,597,487	09:0
932	96	249	09:36:17.400	117DG105A106A4K	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,487	20:0
933	96	249	09:37:24.733	117DG105A106A4L	7STRP	0.038018,-0.0085	Slew =12.01	2R7	4	5	3,597,488	30:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	96	249	09:37:32.066	117DG105A106A4M	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,488:41:0	
935	96	249	09:38:39.400	117DG105A106A4N	7STRP	0.038018,-0.0085	Slew =12.01	2R7	4	5	3,597,489:51:0	
936	96	249	09:38:46.733	117DG105A106A4O	7STRP	-0.038018,0.0,0,	Slew =,0.76	2R7	4	5	3,597,489:62:0	
937	96	249	09:39:54.034	G2JNGLOMOS06-	**DESELC**	300DG	JUPITER GLOBAL MOSAIC PART 6	2R7	4	5	: :	
938	96	249	09:39:54.066	117DG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	5	3,597,490:72:0	
939	96	249	09:40:04.066	175DG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R7	4	5	3,597,490:87:0	
940	96	249	09:40:04.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4892.55 +/- 2	2R7	4	5	3,597,490:87:0	
941	96	249	09:40:04.066	175DG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	5	3,597,490:87:0	
942	**96**	**249**	**09:41:00.600**	**G2JNGLOMOS06-**		**-----STOP-------**		**2R7**	**4**	**5**	**: :**	
943	96	249	09:41:33.400	165DH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	5	3,597,492:39:0	
944	96	249	09:41:34.066	165DH4B	7SCAN	NORM,211.880999,	Check S/P Position	2R7	4	5	3,597,492:40:0	
945	**96**	**249**	**09:42:12.000**	**G2HNDARK__02-**		**-----START------**		**2R7**	**4**	**5**	**: :**	
946	**96**	**249**	**09:46:06.066**	**127DH4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,597,496:84:0**	
947	96	249	09:46:06.066	127DH	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,597,496:84:0	
948	**96**	**249**	**09:46:06.733**	**127DH4B**	**37ETB**	**07,C7,05,FF,FF,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,597,496:85:0**	
949	96	249	09:46:14.733	127DH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,597,497:06:0	
950	96	249	09:47:01.400	175DH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,597,497:76:0	
951	96	249	09:47:09.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4893.88 +/- 2	2R3	4	0	3,597,497:88:1	
952	96	249	09:47:10.733	175DH176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,597,497:90:0	
953	96	249	09:47:10.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4893.76 +/- 2	2R3	4	0	3,597,497:90:3	
954	96	249	09:47:10.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4893.76 +/- 2	2R3	4	0	3,597,497:90:3	
955	**96**	**249**	**09:47:11.368**	**G2HNDARK 02-**	**NIMPBK**	**301DH**	**DARK SKY**	**2R3**	**4**	**0**	**: :**	
956	96	249	09:48:12.034	G2HNDARK 02-	**DESELC**	300DH	DARK SKY	2R3	4	0	: :	
957	96	249	09:48:26.066	175DH6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,597,499:21:0	
958	96	249	09:48:26.066	175DH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,597,499:21:0	
959	96	249	09:48:26.066		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4876.15 +/- 2	2R3	4	0	3,597,499:21:0	
960	**96**	**249**	**09:49:16.667**	**G2HNDARK__02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
961	96	249	09:54:42.066	165JS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,597,505:39:0	
962	96	249	09:54:42.733	165JS4B	7SCAN	NORM,212.132,-11	Check S/P Position	2R3	4	0	3,597,505:40:0	
963	96	249	09:55:10.733	118JS	**SMOS**	GS		2R3	4	0	3,597,505:82:0	
964	96	249	09:55:20.733	118JS110A111A4A	7STRP	0.00296,0.0,92,0	Slew =,1.21	2R3	4	0	3,597,506:06:0	
965	96	249	09:55:38.066	175JS422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,597,506:32:0	
966	96	249	09:55:46.133		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4877.49 +/- 2	2R3	4	0	3,597,506:44:1	
967	96	249	09:55:50.066	175JS176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,597,506:50:0	
968	96	249	09:55:50.133		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4871.22 +/- 2	2R3	4	0	3,597,506:50:1	
969	96	249	09:55:50.133		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4871.22 +/- 2	2R3	4	0	3,597,506:50:1	
970	96	249	09:55:51.400	118JS11A	**SMOS**	GE		2R3	4	0	3,597,506:52:0	
971	96	249	09:56:18.066	175JS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,597,507:01:0	
972	96	249	09:56:18.066		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4773.01 +/- 2	2R3	4	0	3,597,507:01:0	
973	96	249	10:00:23.400	165GF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,597,511:05:0	
974	96	249	10:00:24.066	165GF4B	7SCAN	NORM,223.098,-15	Check S/P Position	2R3	4	0	3,597,511:06:0	
975	96	249	10:02:16.733	117GF	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,597,512:84:0	
976	96	249	10:02:26.066	117GF105A106A4A	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,513:07:0	
977	96	249	10:03:44.066	488P6E	6TMSED	NORM,FL5	Sci, Eng, and D/L Chan	2R3	4	0	3,597,514:33:0	
978	96	249	10:05:20.733	117GF105A106A4B	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,515:87:0	
979	96	249	10:05:40.733	117GF105A106A4C	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,516:26:0	
980	96	249	10:08:35.400	117GF105A106A4D	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,519:15:0	
981	96	249	10:08:55.400	117GF105A106A4E	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,519:45:0	
982	96	249	10:11:17.400	175KY422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,597,521:76:0	
983	96	249	10:11:25.466		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *4773.49 +/- 2	2R3	4	0	3,597,521:88:1	
984	96	249	10:11:26.733	175KY176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,597,521:90:0	
985	96	249	10:11:26.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 4773.37 +/- 2	2R3	4	0	3,597,521:90:3	
986	96	249	10:11:26.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *4773.37 +/- 2	2R3	4	0	3,597,521:90:3	
987	96	249	10:11:50.066	117GF105A106A4F	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,522:34:0	
988	96	249	10:12:10.066	117GF105A106A4G	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,522:64:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	96	249	10:15:04.733	117GF105A106A4H	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,525	53:0
990	96	249	10:15:24.733	117GF105A106A4I	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,525	83:0
991	96	249	10:18:19.400	117GF105A106A4J	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,528	72:0
992	96	249	10:18:39.400	117GF105A106A4K	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,529	11:0
993	96	249	10:21:34.066	117GF105A106A4L	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,532	00:0
994	96	249	10:21:54.066	117GF105A106A4M	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,532	30:0
995	96	249	10:23:08.733	175KY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,597,533	51:0
996	96	249	10:23:08.733		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4608.89 +/- 2	2R3	4	0	3,597,533	51:0
997	96	249	10:24:48.733	117GF105A106A4N	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,535	19:0
998	96	249	10:25:08.733	117GF105A106A4O	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,535	49:0
999	96	249	10:28:03.400	117GF105A106A4P	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,538	38:0
1000	96	249	10:28:23.400	117GF105A106A4Q	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,538	68:0
1001	96	249	10:30:00.066	488Q6A	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2R3	4	0	3,597,540	31:0
1002	96	249	10:31:18.066	117GF105A106A4R	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,541	57:0
1003	96	249	10:31:38.066	117GF105A106A4S	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,541	87:0
1004	96	249	10:34:32.733	117GF105A106A4T	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,544	76:0
1005	96	249	10:34:52.733	117GF105A106A4U	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,545	15:0
1006	96	249	10:37:47.400	117GF105A106A4V	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,548	04:0
1007	96	249	10:38:07.400	117GF105A106A4W	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,548	34:0
1008	96	249	10:41:02.066	117GF105A106A4X	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,551	23:0
1009	96	249	10:41:22.066	117GF105A106A4Y	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,551	53:0
1010	96	249	10:44:16.733	117GF105A106A4Z	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,554	42:0
1011	96	249	10:44:36.733	117GF105A106A4AA	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,554	72:0
1012	96	249	10:47:31.400	117GF105A106A4AB	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,557	61:0
1013	96	249	10:47:51.400	117GF105A106A4AC	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,558	00:0
1014	96	249	10:50:46.066	117GF105A106A4AD	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,560	80:0
1015	96	249	10:51:06.066	117GF105A106A4AE	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,561	19:0
1016	96	249	10:54:00.733	117GF105A106A4AF	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,564	08:0
1017	96	249	10:54:20.733	117GF105A106A4AG	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,564	38:0
1018	96	249	10:57:15.400	117GF105A106A4AH	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,567	27:0
1019	96	249	10:57:35.400	117GF105A106A4AI	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,567	57:0
1020	96	249	11:00:30.066	117GF105A106A4AJ	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,570	46:0
1021	96	249	11:00:50.066	117GF105A106A4AK	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,570	76:0
1022	96	249	11:03:44.733	117GF105A106A4AL	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,573	65:0
1023	96	249	11:04:04.733	117GF105A106A4AM	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,574	04:0
1024	96	249	11:06:59.400	117GF105A106A4AN	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,576	84:0
1025	96	249	11:07:19.400	117GF105A106A4AO	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,577	23:0
1026	96	249	11:10:14.066	117GF105A106A4AP	7STRP	0.0012,0.022806,	Slew =,17.3	2R3	4	0	3,597,580	12:0
1027	96	249	11:10:34.066	117GF105A106A4AQ	7STRP	0.0,-0.022806,0,	Slew =,0.17	2R3	4	0	3,597,580	42:0
1028	96	249	11:13:28.733	117GF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,597,583	31:0
1029	96	249	11:21:26.066	165JT4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,597,591	19:0
1030	96	249	11:21:26.733	165JT4B	7SCAN	NORM,213.192999,	Check S/P Position	2R3	4	0	3,597,591	20:0
1031	96	249	11:22:08.066	118JT	**SMOS**	GS		2R3	4	0	3,597,591	82:0
1032	96	249	11:22:18.066	118JT110A111A4A	7STRP	0.00296,0.0,92,0	Slew =,1.21	2R3	4	0	3,597,592	06:0
1033	96	249	11:22:35.400	175JT422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,597,592	32:0
1034	96	249	11:22:43.466		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4610.22 +/- 2	2R3	4	0	3,597,592	44:1
1035	96	249	11:22:47.400	175JT176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,597,592	50:0
1036	96	249	11:22:47.466		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4603.95 +/- 3	2R3	4	0	3,597,592	50:1
1037	96	249	11:22:47.466		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4603.95 +/- 3	2R3	4	0	3,597,592	50:1
1038	96	249	11:22:48.733	118JT11A	**SMOS**	GE		2R3	4	0	3,597,592	52:0
1039	96	249	11:23:28.066	175JT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,597,593	20:0
1040	96	249	11:23:28.066		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4461.22 +/- 3	2R3	4	0	3,597,593	20:0
1041	96	249	11:28:16.733	165CI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,597,597	89:0
1042	96	249	11:28:17.400	165CI4B	7SCAN	NORM,243.573,-19	Check S/P Position	2R3	4	0	3,597,597	90:0
1043	96	249	12:39:03.400	165JU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,597,667	89:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	96	249	12:39:04.066	165JU4B	7SCAN	NORM,214.535999,	Check S/P Position	2R3	4	0	3,597,667:90:0	
1045	96	249	12:39:59.400	118JU	**SMOS**	GS		2R3	4	0	3,597,668:82:0	
1046	96	249	12:40:09.400	118JU110A111A4A	7STRP	0.00298,0.0,92,0	Slew =,1.21	2R3	4	0	3,597,669:06:0	
1047	96	249	12:40:26.733	175JU422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,597,669:32:0	
1048	96	249	12:40:34.800		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4461.70 +/- 3	2R3	4	0	3,597,669:44:1	
1049	96	249	12:40:38.733	175JU176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,597,669:50:0	
1050	96	249	12:40:38.800		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4455.43 +/- 3	2R3	4	0	3,597,669:50:1	
1051	96	249	12:40:38.800		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4455.43 +/- 3	2R3	4	0	3,597,669:50:1	
1052	96	249	12:40:40.066	118JU11A	**SMOS**	GE		2R3	4	0	3,597,669:52:0	
1053	96	249	12:41:06.066		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4359.57 +/- 3	2R3	4	0	3,597,670:00:0	
1054	96	249	12:41:06.066	175JU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,597,670:00:0	
1055	96	249	14:00:32.066	488Q6B	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2R3	4	0	3,597,748:51:0	
1056	96	249	14:03:32.733	165JV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,597,751:49:0	
1057	96	249	14:03:33.400	165JV4B	7SCAN	NORM,216.363998,	Check S/P Position	2R3	4	0	3,597,751:50:0	
1058	96	249	14:03:54.733	118JV	**SMOS**	GS		2R3	4	0	3,597,751:82:0	
1059	96	249	14:04:04.733	118JV110A111A4A	7STRP	0.00299,0.0,92,0	Slew =,1.21	2R3	4	0	3,597,752:06:0	
1060	96	249	14:04:22.066	175JV422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,597,752:32:0	
1061	96	249	14:04:30.133		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4360.05 +/- 3	2R3	4	0	3,597,752:44:1	
1062	96	249	14:04:34.066	175JV176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,597,752:50:0	
1063	96	249	14:04:34.133		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4353.78 +/- 3	2R3	4	0	3,597,752:50:1	
1064	96	249	14:04:34.133		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4353.78 +/- 3	2R3	4	0	3,597,752:50:1	
1065	96	249	14:04:35.400	118JV11A	**SMOS**	GE		2R3	4	0	3,597,752:52:0	
1066	96	249	14:05:01.400		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4257.92 +/- 3	2R3	4	0	3,597,753:00:0	
1067	96	249	14:05:01.400	175JV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,597,753:00:0	
1068	96	249	15:06:44.733	488Q6C	6TMSED	FILL,EL4	Sci, Eng, and D/L Chan	2R3	4	0	3,597,814:04:0	
1069	96	249	15:08:48.066	488Q6D	6TMSED	FILL,EL2	Sci, Eng, and D/L Chan	2R3	4	0	3,597,816:07:0	
1070	96	249	15:30:00.066	488Q6E	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	2R3	4	0	3,597,837:04:0	
1071	96	249	15:30:30.066	165JW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,597,837:49:0	
1072	96	249	15:30:30.733	165JW4B	7SCAN	NORM,218.637999,	Check S/P Position	2R3	4	0	3,597,837:50:0	
1073	96	249	15:30:52.066	118JW	**SMOS**	GS		2R3	4	0	3,597,837:82:0	
1074	96	249	15:31:02.066	118JW110A111A4A	7STRP	0.003,0.0,92,0,0	Slew =,1.21	2R3	4	0	3,597,838:06:0	
1075	96	249	15:31:19.400	175JW422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,597,838:32:0	
1076	96	249	15:31:27.466		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4258.40 +/- 3	2R3	4	0	3,597,838:44:1	
1077	96	249	15:31:31.400	175JW176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,597,838:50:0	
1078	96	249	15:31:31.466		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4252.13 +/- 3	2R3	4	0	3,597,838:50:1	
1079	96	249	15:31:31.466		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4252.13 +/- 3	2R3	4	0	3,597,838:50:1	
1080	96	249	15:31:32.733	118JW11A	**SMOS**	GE		2R3	4	0	3,597,838:52:0	
1081	96	249	15:31:58.733	175JW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,597,839:00:0	
1082	96	249	15:31:58.733		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4156.27 +/- 3	2R3	4	0	3,597,839:00:0	
1083	96	249	15:51:48.666	488R6A	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R3	4	0	3,597,858:56:0	
1084	96	249	16:21:20.666	488R6B	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	2R3	4	0	3,597,887:75:0	
1085	96	249	16:53:27.333	488R6C	6TMSED	FILL,DL3	Sci, Eng, and D/L Chan	2R3	4	0	3,597,919:53:0	
1086	**96**	**249**	**17:00:00.667**	**G2NNRECOVY02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1087	96	249	17:00:52.666	127EX	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,597,926:84:0	
1088	**96**	**249**	**17:00:53.333**	**127EX4A**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,597,926:85:0**	
1089	96	249	17:01:01.333	127EX11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,597,927:06:0	
1090	**96**	**249**	**17:01:17.333**	**432DF6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,597,927:30:0**	
1091	96	249	17:01:30.000	165JX4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,597,927:49:0	
1092	96	249	17:01:30.666	165JX4B	7SCAN	NORM,221.390999,	Check S/P Position	2R3	4	0	3,597,927:50:0	
1093	96	249	17:01:52.000	118JX	**SMOS**	GS		2R3	4	0	3,597,927:82:0	
1094	96	249	17:02:02.000	118JX110A111A4A	7STRP	0.00302,0.0,92,0	Slew =,1.21	2R3	4	0	3,597,928:06:0	
1095	**96**	**249**	**17:02:16.666**	**432DG6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,597,928:28:0**	
1096	96	249	17:02:19.333	175JX422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,597,928:32:0	
1097	96	249	17:02:27.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4156.74 +/- 4	2R3	4	0	3,597,928:44:1	
1098	**96**	**249**	**17:02:29.333**	**G2NNRECOVY02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	96	249	17:02:31.333	175JX176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,597,928:50:0	
1100	96	249	17:02:31.400		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4150.48 +/- 4	2R3	4	0	3,597,928:50:1	
1101	96	249	17:02:31.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4150.48 +/- 4	2R3	4	0	3,597,928:50:1	
1102	96	249	17:02:32.666	118JX11A	**SMOS**	GE		2R3	4	0	3,597,928:52:0	
1103	96	249	17:02:58.666	175JX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,597,929:00:0	
1104	96	249	17:02:58.666		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *4054.62 +/- 4	2R3	4	0	3,597,929:00:0	
1105	96	249	17:30:15.333	488R6D	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	2R3	4	0	3,597,955:89:0	
1106	96	249	18:31:28.666	488R6E	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R3	4	0	3,598,016:48:0	
1107	96	249	18:33:30.666	165JY4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,598,018:49:0	
1108	96	249	18:33:31.333	165JY4B	7SCAN	NORM,224.525,-16	Check S/P Position	2R3	4	0	3,598,018:50:0	
1109	96	249	18:33:52.666	118JY	**SMOS**	GS		2R3	4	0	3,598,018:82:0	
1110	96	249	18:34:02.666	118JY110A111A4A	7STRP	0.00304,0.0,92,0	Slew =,1.21	2R3	4	0	3,598,019:06:0	
1111	96	249	18:34:20.000	175JY422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,598,019:32:0	
1112	96	249	18:34:28.066		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4055.09 +/- 4	2R3	4	0	3,598,019:44:1	
1113	96	249	18:34:32.000	175JY176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,598,019:50:0	
1114	96	249	18:34:32.066		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4048.82 +/- 4	2R3	4	0	3,598,019:50:1	
1115	96	249	18:34:32.066		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4048.82 +/- 4	2R3	4	0	3,598,019:50:1	
1116	96	249	18:34:33.333	118JY11A	**SMOS**	GE		2R3	4	0	3,598,019:52:0	
1117	96	249	18:34:59.333	175JY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,598,020:00:0	
1118	96	249	18:34:59.333		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3952.96 +/- 4	2R3	4	0	3,598,020:00:0	
1119	96	249	19:35:28.666	488S6A	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	2R3	4	0	3,598,079:75:0	
1120	96	249	20:09:34.000	165JZ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,598,113:49:0	
1121	96	249	20:09:34.666	165JZ4B	7SCAN	NORM,228.129,-18	Check S/P Position	2R3	4	0	3,598,113:50:0	
1122	96	249	20:09:56.000	118JZ	**SMOS**	GS		2R3	4	0	3,598,113:82:0	
1123	96	249	20:10:06.000	118JZ110A111A4A	7STRP	0.00308,0.0,92,0	Slew =,1.21	2R3	4	0	3,598,114:06:0	
1124	96	249	20:10:23.333	175JZ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,598,114:32:0	
1125	96	249	20:10:31.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3953.44 +/- 4	2R3	4	0	3,598,114:44:1	
1126	96	249	20:10:35.333	175JZ176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,598,114:50:0	
1127	96	249	20:10:35.400		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3947.17 +/- 4	2R3	4	0	3,598,114:50:1	
1128	96	249	20:10:35.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3947.17 +/- 4	2R3	4	0	3,598,114:50:1	
1129	96	249	20:10:36.666	118JZ11A	**SMOS**	GE		2R3	4	0	3,598,114:52:0	
1130	96	249	20:11:02.666	175JZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,598,115:00:0	
1131	96	249	20:11:02.666		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3851.31 +/- 4	2R3	4	0	3,598,115:00:0	
1132	96	249	20:11:06.000	165GG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,598,115:05:0	
1133	96	249	20:11:06.666	165GG4B	7SCAN	NORM,233.053999,	Check S/P Position	2R3	4	0	3,598,115:06:0	
1134	96	249	20:15:00.666	117GG	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,598,118:84:0	
1135	96	249	20:15:10.000	117GG105A106A4A	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,119:07:0	
1136	96	249	20:16:51.333	117GG105A106A4B	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,120:68:0	
1137	96	249	20:17:08.000	117GG105A106A4C	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,121:02:0	
1138	96	249	20:18:49.333	117GG105A106A4D	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,122:63:0	
1139	96	249	20:19:06.000	117GG105A106A4E	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,122:88:0	
1140	96	249	20:20:47.333	117GG105A106A4F	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,124:58:0	
1141	96	249	20:21:04.000	117GG105A106A4G	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,124:83:0	
1142	96	249	20:22:45.333	117GG105A106A4H	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,126:53:0	
1143	96	249	20:23:02.000	117GG105A106A4I	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,126:78:0	
1144	96	249	20:24:43.333	117GG105A106A4J	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,128:48:0	
1145	96	249	20:25:00.000	117GG105A106A4K	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,128:73:0	
1146	96	249	20:26:41.333	117GG105A106A4L	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,130:43:0	
1147	96	249	20:26:58.000	117GG105A106A4M	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,130:68:0	
1148	96	249	20:28:39.333	117GG105A106A4N	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,132:38:0	
1149	96	249	20:28:56.000	117GG105A106A4O	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,132:63:0	
1150	96	249	20:30:37.333	117GG105A106A4P	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,134:33:0	
1151	96	249	20:30:54.000	117GG105A106A4Q	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,134:58:0	
1152	96	249	20:32:35.333	117GG105A106A4R	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,136:28:0	
1153	96	249	20:32:52.000	117GG105A106A4S	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,136:53:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	96	249	20:34:33.333	117GG105A106A4T	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,138:23:0	
1155	96	249	20:34:50.000	117GG105A106A4U	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,138:48:0	
1156	96	249	20:36:31.333	117GG105A106A4V	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,140:18:0	
1157	96	249	20:36:48.000	117GG105A106A4W	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,140:43:0	
1158	96	249	20:38:29.333	117GG105A106A4X	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,142:13:0	
1159	96	249	20:38:46.000	117GG105A106A4Y	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,142:38:0	
1160	96	249	20:40:27.333	117GG105A106A4Z	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,144:08:0	
1161	96	249	20:40:44.000	117GG105A106A4AA	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,144:33:0	
1162	96	249	20:42:25.333	117GG105A106A4AB	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,146:03:0	
1163	96	249	20:42:42.000	117GG105A106A4AC	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,146:28:0	
1164	96	249	20:44:23.333	117GG105A106A4AD	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,147:89:0	
1165	96	249	20:44:40.000	117GG105A106A4AE	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,148:23:0	
1166	96	249	20:46:21.333	117GG105A106A4AF	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,149:84:0	
1167	96	249	20:46:38.000	117GG105A106A4AG	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,150:18:0	
1168	96	249	20:48:19.333	117GG105A106A4AH	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,151:79:0	
1169	96	249	20:48:36.000	117GG105A106A4AI	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,152:13:0	
1170	96	249	20:50:17.333	117GG105A106A4AJ	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,153:74:0	
1171	96	249	20:50:34.000	117GG105A106A4AK	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,154:08:0	
1172	96	249	20:52:15.333	117GG105A106A4AL	7STRP	0.0011,0.021007,	Slew =,17.3	2R3	4	0	3,598,155:69:0	
1173	96	249	20:52:32.000	117GG105A106A4AM	7STRP	0.0,-0.021007,0,	Slew =,0.41	2R3	4	0	3,598,156:03:0	
1174	96	249	20:54:13.333	117GG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,598,157:64:0	
1175	96	249	21:18:50.666	165GH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,598,182:05:0	
1176	96	249	21:18:51.333	165GH4B	7SCAN	NORM,232.407999,	Check S/P Position	2R3	4	0	3,598,182:06:0	
1177	96	249	21:22:45.333	117GH	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,598,185:84:0	
1178	96	249	21:22:54.666	117GH105A106A4A	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,186:07:0	
1179	96	249	21:28:30.000	117GH105A106A4B	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,191:55:0	
1180	96	249	21:28:46.666	117GH105A106A4C	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,191:80:0	
1181	96	249	21:34:22.000	117GH105A106A4D	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,197:37:0	
1182	96	249	21:34:38.666	117GH105A106A4E	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,197:62:0	
1183	96	249	21:40:14.000	117GH105A106A4F	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,203:19:0	
1184	96	249	21:40:30.666	117GH105A106A4G	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,203:44:0	
1185	96	249	21:46:06.000	117GH105A106A4H	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,209:01:0	
1186	96	249	21:46:22.666	117GH105A106A4I	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,209:26:0	
1187	96	249	21:51:58.000	117GH105A106A4J	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,214:74:0	
1188	96	249	21:52:14.666	117GH105A106A4K	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,215:08:0	
1189	96	249	21:54:08.666	488S6B	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R3	4	0	3,598,216:88:0	
1190	96	249	21:57:50.000	117GH105A106A4L	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,220:56:0	
1191	96	249	21:58:06.666	117GH105A106A4M	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,220:81:0	
1192	96	249	22:03:42.000	117GH105A106A4N	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,226:38:0	
1193	96	249	22:03:58.666	117GH105A106A4O	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,226:63:0	
1194	96	249	22:09:34.000	117GH105A106A4P	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,232:20:0	
1195	96	249	22:09:50.666	117GH105A106A4Q	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,232:45:0	
1196	96	249	22:15:26.000	117GH105A106A4R	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,238:02:0	
1197	96	249	22:15:42.666	117GH105A106A4S	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,238:27:0	
1198	96	249	22:19:28.666	488S6C	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	2R3	4	0	3,598,242:02:0	
1199	96	249	22:21:18.000	117GH105A106A4T	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,243:75:0	
1200	96	249	22:21:34.666	117GH105A106A4U	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,244:09:0	
1201	96	249	22:27:10.000	117GH105A106A4V	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,249:57:0	
1202	96	249	22:27:26.666	117GH105A106A4W	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,249:82:0	
1203	96	249	22:33:02.000	117GH105A106A4X	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,255:39:0	
1204	96	249	22:33:18.666	117GH105A106A4Y	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,255:64:0	
1205	96	249	22:38:54.000	117GH105A106A4Z	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,261:21:0	
1206	96	249	22:39:10.666	117GH105A106A4AA	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,261:46:0	
1207	96	249	22:44:46.000	117GH105A106A4AB	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,267:03:0	
1208	96	249	22:45:02.666	117GH105A106A4AC	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,267:28:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	96	249	22:50:38.000	117GH105A106A4AD	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,272:76:0	
1210	96	249	22:50:54.666	117GH105A106A4AE	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,273:10:0	
1211	96	249	22:56:30.000	117GH105A106A4AF	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,278:58:0	
1212	96	249	22:56:46.666	488S6D	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R3	4	0	3,598,278:83:0	
1213	96	249	22:56:46.666	117GH105A106A4AG	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,278:83:0	
1214	96	249	23:02:22.000	117GH105A106A4AH	7STRP	0.0011,0.022008,	Slew =,17.3	2R3	4	0	3,598,284:40:0	
1215	96	249	23:02:38.666	117GH105A106A4AI	7STRP	0.0,-0.022108,0,	Slew =0,0.1	2R3	4	0	3,598,284:65:0	
1216	96	249	23:08:14.000	117GH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,598,290:22:0	
1217	96	249	23:15:12.666	488S6E	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	2R3	4	0	3,598,297:13:0	
1218	96	249	23:43:29.333	488T6A	6TMSED	FILL,DL3	Sci, Eng, and D/L Chan	2R3	4	0	3,598,325:10:0	
1219	96	250	00:12:48.666	488T6B	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	2R3	4	0	3,598,354:10:0	
1220	96	250	00:35:32.666	488T6C	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R3	4	0	3,598,376:54:0	
1221	96	250	01:09:52.000	165IU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,598,410:49:0	
1222	96	250	01:09:52.666	165IU4B	7SCAN	NORM,241.195999,	Check S/P Position	2R3	4	0	3,598,410:50:0	
1223	96	250	01:10:14.000	118IU	**SMOS**	GS		2R3	4	0	3,598,410:82:0	
1224	96	250	01:10:24.000	118IU110A111A4A	7STRP	0.00326,0.0,92,0	Slew =,1.21	2R3	4	0	3,598,411:06:0	
1225	96	250	01:10:41.333	175IU422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,598,411:32:0	
1226	96	250	01:10:49.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3851.79 +/- 4	2R3	4	0	3,598,411:44:1	
1227	96	250	01:10:53.333	175IU176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,598,411:50:0	
1228	96	250	01:10:53.400		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3845.52 +/- 4	2R3	4	0	3,598,411:50:1	
1229	96	250	01:10:53.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3845.52 +/- 5	2R3	4	0	3,598,411:50:1	
1230	96	250	01:10:54.666	118IU11A	**SMOS**	GE		2R3	4	0	3,598,411:52:0	
1231	96	250	01:11:20.666		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3749.66 +/- 5	2R3	4	0	3,598,412:00:0	
1232	96	250	01:11:20.666	175IU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,598,412:00:0	
1233	96	250	02:53:00.000	165IV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,598,512:49:0	
1234	96	250	02:53:00.666	165IV4B	7SCAN	NORM,246.171,-22	Check S/P Position	2R3	4	0	3,598,512:50:0	
1235	96	250	02:53:22.000	118IV	**SMOS**	GS		2R3	4	0	3,598,512:82:0	
1236	96	250	02:53:32.000	118IV110A111A4A	7STRP	0.00335,0.0,92,0	Slew =,1.21	2R3	4	0	3,598,513:06:0	
1237	96	250	02:53:49.333	175IV422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,598,513:32:0	
1238	96	250	02:53:57.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3750.14 +/- 5	2R3	4	0	3,598,513:44:1	
1239	96	250	02:54:01.333	175IV176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,598,513:50:0	
1240	96	250	02:54:01.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3743.87 +/- 5	2R3	4	0	3,598,513:50:1	
1241	96	250	02:54:01.400		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3743.87 +/- 5	2R3	4	0	3,598,513:50:1	
1242	96	250	02:54:02.666	118IV11A	**SMOS**	GE		2R3	4	0	3,598,513:52:0	
1243	96	250	02:54:28.666		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3648.01 +/- 5	2R3	4	0	3,598,514:00:0	
1244	96	250	02:54:28.666	175IV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,598,514:00:0	
1245	96	250	03:37:00.000	165GI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,598,556:05:0	
1246	96	250	03:37:00.666	165GI4B	7SCAN	NORM,240.698999,	Check S/P Position	2R3	4	0	3,598,556:06:0	
1247	96	250	03:40:54.666	117GI	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,598,559:84:0	
1248	96	250	03:41:04.000	117GI105A106A4A	7STRP	0.012001,-0.1020	Slew =,0.15	2R3	4	0	3,598,560:07:0	
1249	96	250	03:50:35.333	488T6D	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	2R3	4	0	3,598,569:45:0	
1250	96	250	04:02:18.000	117GI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,598,581:07:0	
1251	96	250	04:20:33.333	488T6E	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R3	4	0	3,598,599:12:0	
1252	96	250	06:24:06.000	165IW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,598,721:29:0	
1253	96	250	06:24:06.666	165IW4B	7SCAN	NORM,256.843998,	Check S/P Position	2R3	4	0	3,598,721:30:0	
1254	96	250	06:24:41.333	118IW	**SMOS**	GS		2R3	4	0	3,598,721:82:0	
1255	96	250	06:24:51.333	118IW110A111A4A	7STRP	0.00358,0.0,92,0	Slew =,1.21	2R3	4	0	3,598,722:06:0	
1256	96	250	06:25:08.666	175IW422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,598,722:32:0	
1257	96	250	06:25:16.733		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3648.49 +/- 5	2R3	4	0	3,598,722:44:1	
1258	96	250	06:25:20.666	175IW176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,598,722:50:0	
1259	96	250	06:25:20.733		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3642.22 +/- 5	2R3	4	0	3,598,722:50:1	
1260	96	250	06:25:20.733		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3642.22 +/- 5	2R3	4	0	3,598,722:50:1	
1261	96	250	06:25:22.000	118IW11A	**SMOS**	GE		2R3	4	0	3,598,722:52:0	
1262	96	250	06:25:48.666	175IW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,598,723:01:0	
1263	96	250	06:25:48.666		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3544.02 +/- 5	2R3	4	0	3,598,723:01:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	**96**	**250**	**07:17:57.933**	**G2JNTHRMNS03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1265	96	250	07:17:58.000	165DK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,598,774:54:0	
1266	96	250	07:17:58.666	165DK4B	7SCAN	NORM,246.441999,	Check S/P Position	2R3	4	0	3,598,774:55:0	
1267	96	250	07:21:20.000	127DK	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,598,777:84:0	
1268	**96**	**250**	**07:21:20.666**	**127DK4A**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,598,777:85:0**	
1269	96	250	07:21:28.666	127DK11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,598,778:06:0	
1270	96	250	07:21:52.000	175DK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,598,778:41:0	
1271	96	250	07:21:52.666	117DK	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,598,778:42:0	
1272	96	250	07:22:00.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3544.50 +/- 5	2R3	4	0	3,598,778:53:1	
1273	96	250	07:22:01.333	175DK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,598,778:55:0	
1274	96	250	07:22:01.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3544.38 +/- 5	2R3	4	0	3,598,778:55:3	
1275	96	250	07:22:01.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 3544.38 +/- 5	2R3	4	0	3,598,778:55:3	
1276	**96**	**250**	**07:22:01.987**	**G2JNTHRMNS03-**	**NIMPBK**	**301DK**	**JUPITER THERMAL NORTH-SOUTH STRI**	**2R3**	**4**	**0**	**: :**	
1277	96	250	07:22:02.000	117DK105A106A4A	7STRP	-0.0039,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,778:56:0	
1278	96	250	07:23:46.000	117DK105A106A4B	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,780:30:0	
1279	96	250	07:23:58.000	117DK105A106A4C	7STRP	-0.0039,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,780:48:0	
1280	96	250	07:25:42.000	117DK105A106A4D	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,782:22:0	
1281	96	250	07:25:54.000	117DK105A106A4E	7STRP	-0.0039,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,782:40:0	
1282	96	250	07:27:38.000	117DK105A106A4F	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,784:14:0	
1283	96	250	07:27:50.000	117DK105A106A4G	7STRP	-0.0039,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,784:32:0	
1284	96	250	07:27:54.653	G2JNTHRMNS03-	**DESELC**	300DK	JUPITER THERMAL NORTH-SOUTH STRI	2R3	4	0	: :	
1285	96	250	07:29:34.000	117DK105A106A4H	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,786:06:0	
1286	96	250	07:29:46.000	117DK105A106A4I	7STRP	-0.0039,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,786:24:0	
1287	96	250	07:31:30.000	117DK105A106A4J	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,787:89:0	
1288	96	250	07:31:42.000	117DK105A106A4K	7STRP	-0.0039,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,788:16:0	
1289	96	250	07:33:26.000	117DK105A106A4L	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,789:81:0	
1290	96	250	07:33:38.000	117DK105A106A4M	7STRP	-0.0039,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,790:08:0	
1291	96	250	07:35:22.000	117DK105A106A4N	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,791:73:0	
1292	96	250	07:35:34.000	117DK105A106A4O	7STRP	-0.0039,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,792:00:0	
1293	96	250	07:37:18.000	117DK105A106A4P	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,793:65:0	
1294	96	250	07:37:30.000	117DK105A106A4Q	7STRP	-0.0039,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,793:83:0	
1295	96	250	07:39:14.000	117DK105A106A4R	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,795:57:0	
1296	96	250	07:39:26.000	117DK105A106A4S	7STRP	-0.0039,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,795:75:0	
1297	96	250	07:41:10.000	117DK105A106A4T	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,797:49:0	
1298	96	250	07:41:22.000	117DK105A106A4U	7STRP	-0.0039,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,797:67:0	
1299	96	250	07:43:06.000	117DK105A106A4V	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,799:41:0	
1300	96	250	07:43:18.000	117DK105A106A4W	7STRP	-0.0039,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,799:59:0	
1301	96	250	07:45:02.000	117DK105A106A4X	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,801:33:0	
1302	96	250	07:45:14.000	117DK105A106A4Y	7STRP	-0.0039,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,801:51:0	
1303	96	250	07:46:58.000	117DK11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,598,803:25:0	
1304	96	250	07:47:09.333	175DK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,598,803:42:0	
1305	96	250	07:47:09.333	175DK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,598,803:42:0	
1306	96	250	07:47:09.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3190.99 +/- 5	2R3	4	0	3,598,803:42:0	
1307	**96**	**250**	**07:47:59.267**	**G2JNTHRMNS03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1308	96	250	08:10:16.000	165IX4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,598,826:29:0	
1309	96	250	08:10:16.666	165IX4B	7SCAN	NORM,262.320999,	Check S/P Position	2R3	4	0	3,598,826:30:0	
1310	96	250	08:10:51.333	118IX	**SMOS**	GS		2R3	4	0	3,598,826:82:0	
1311	96	250	08:11:01.333	118IX110A111A4A	7STRP	0.00374,0.0,92,0	Slew =,1.21	2R3	4	0	3,598,827:06:0	
1312	96	250	08:11:18.666	175IX422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,598,827:32:0	
1313	96	250	08:11:26.733		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3192.32 +/- 5	2R3	4	0	3,598,827:44:1	
1314	96	250	08:11:30.666	175IX176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,598,827:50:0	
1315	96	250	08:11:30.733		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3186.05 +/- 6	2R3	4	0	3,598,827:50:1	
1316	96	250	08:11:30.733		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3186.05 +/- 5	2R3	4	0	3,598,827:50:1	
1317	96	250	08:11:32.000	118IX11A	**SMOS**	GE		2R3	4	0	3,598,827:52:0	
1318	96	250	08:11:58.000	175IX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,598,828:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1319	96	250	08:11:58.000		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3090.19 +/- 6	2R3	4	0	3,598,828:00:0	
1320	96	250	08:46:19.333	165CJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,598,861:89:0	
1321	96	250	08:46:20.000	165CJ4B	7SCAN	NORM,226.938,-17	Check S/P Position	2R3	4	0	3,598,861:90:0	
1322	96	250	09:53:03.333	165IY4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,598,927:89:0	
1323	96	250	09:53:04.000	165IY4B	7SCAN	NORM,267.619999,	Check S/P Position	2R3	4	0	3,598,927:90:0	
1324	96	250	09:53:59.333	118IY	**SMOS**	GS		2R3	4	0	3,598,928:82:0	
1325	96	250	09:54:09.333	118IY110A111A4A	7STRP	0.00393,0.0,92,0	Slew =,1.21	2R3	4	0	3,598,929:06:0	
1326	96	250	09:54:26.666	175IY422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,598,929:32:0	
1327	96	250	09:54:34.733		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3090.67 +/- 6	2R3	4	0	3,598,929:44:1	
1328	96	250	09:54:38.666	175IY176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,598,929:50:0	
1329	96	250	09:54:38.733		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3084.40 +/- 6	2R3	4	0	3,598,929:50:1	
1330	96	250	09:54:38.733		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3084.40 +/- 6	2R3	4	0	3,598,929:50:1	
1331	96	250	09:54:40.000	118IY11A	**SMOS**	GE		2R3	4	0	3,598,929:52:0	
1332	96	250	09:55:06.666	175IY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,598,930:01:0	
1333	96	250	09:55:06.666		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *2986.20 +/- 6	2R3	4	0	3,598,930:01:0	
1334	96	250	09:59:11.333	165GJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,598,934:04:0	
1335	96	250	09:59:12.000	165GJ4B	7SCAN	NORM,255.459999,	Check S/P Position	2R3	4	0	3,598,934:05:0	
1336	96	250	10:03:06.000	117GJ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,598,937:83:0	
1337	96	250	10:03:15.333	117GJ105A106A4A	7STRP	0.004,0.006001,0	Slew =,0.83	2R3	4	0	3,598,938:06:0	
1338	96	250	10:03:38.666	117GJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,598,938:41:0	
1339	**96**	**250**	**10:05:57.933**	**G2JNTHRMNS04-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1340	96	250	10:05:58.000	165DL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,598,940:68:0	
1341	96	250	10:05:58.666	165DL4B	7SCAN	NORM,250.247999,	Check S/P Position	2R3	4	0	3,598,940:69:0	
1342	96	250	10:09:10.666	127DL	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,598,943:84:0	
1343	**96**	**250**	**10:09:11.333**	**127DL4A**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,598,943:85:0**	
1344	96	250	10:09:19.333	127DL11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,598,944:06:0	
1345	96	250	10:09:52.000	175DL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,598,944:55:0	
1346	96	250	10:09:52.666	117DL	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,598,944:56:0	
1347	96	250	10:10:00.066		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2986.68 +/- 6	2R3	4	0	3,598,944:67:1	
1348	96	250	10:10:01.333	175DL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,598,944:69:0	
1349	96	250	10:10:01.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2986.56 +/- 6	2R3	4	0	3,598,944:69:3	
1350	96	250	10:10:01.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2986.56 +/- 6	2R3	4	0	3,598,944:69:3	
1351	**96**	**250**	**10:10:01.981**	**G2JNTHRMNS04-**	**NIMPBK**	**301DL**	**JUPITER THERMAL NORTH-SOUTH STRI**	**2R3**	**4**	**0**	**: :**	
1352	96	250	10:10:02.000	117DL105A106A4A	7STRP	-0.0035,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,944:70:0	
1353	96	250	10:10:28.647	G2JNTHRMNS04-	**DESELC**	300DL	JUPITER THERMAL NORTH-SOUTH STRI	2R3	4	0	: :	
1354	96	250	10:11:36.000	117DL105A106A4B	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,946:29:0	
1355	96	250	10:11:49.333	117DL105A106A4C	7STRP	-0.0035,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,946:49:0	
1356	96	250	10:13:23.333	117DL105A106A4D	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,948:08:0	
1357	96	250	10:13:36.666	117DL105A106A4E	7STRP	-0.0035,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,948:28:0	
1358	96	250	10:15:10.666	117DL105A106A4F	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,949:78:0	
1359	96	250	10:15:24.000	117DL105A106A4G	7STRP	-0.0035,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,950:07:0	
1360	96	250	10:16:58.000	117DL105A106A4H	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,951:57:0	
1361	96	250	10:17:11.333	117DL105A106A4I	7STRP	-0.0035,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,951:77:0	
1362	96	250	10:18:45.333	117DL105A106A4J	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,953:36:0	
1363	96	250	10:18:58.666	117DL105A106A4K	7STRP	-0.0035,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,953:56:0	
1364	96	250	10:20:32.666	117DL105A106A4L	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,955:15:0	
1365	96	250	10:20:46.000	117DL105A106A4M	7STRP	-0.0035,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,955:35:0	
1366	96	250	10:22:20.000	117DL105A106A4N	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,956:85:0	
1367	96	250	10:22:33.333	117DL105A106A4O	7STRP	-0.0035,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,957:14:0	
1368	96	250	10:24:07.333	117DL105A106A4P	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,958:64:0	
1369	96	250	10:24:20.666	117DL105A106A4Q	7STRP	-0.0035,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,958:84:0	
1370	96	250	10:25:54.666	117DL105A106A4R	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,960:43:0	
1371	96	250	10:26:08.000	117DL105A106A4S	7STRP	-0.0035,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,960:63:0	
1372	96	250	10:27:42.000	117DL105A106A4T	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,962:22:0	
1373	96	250	10:27:55.333	117DL105A106A4U	7STRP	-0.0035,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,962:42:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	96	250	10:29:29.333	117DL105A106A4V	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,964:01:0	
1375	96	250	10:29:42.666	117DL105A106A4W	7STRP	-0.0035,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,964:21:0	
1376	96	250	10:31:16.666	117DL105A106A4X	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,965:71:0	
1377	96	250	10:31:30.000	117DL105A106A4Y	7STRP	-0.0035,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,966:00:0	
1378	96	250	10:33:04.000	117DL105A106A4Z	7STRP	0.0052,-0.008001	Slew =12.01	2R3	4	0	3,598,967:50:0	
1379	96	250	10:33:17.333	117DL105A106A4AA	7STRP	-0.0035,0.0,0,0,	Slew =,0.04	2R3	4	0	3,598,967:70:0	
1380	96	250	10:34:51.333	117DL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,598,969:29:0	
1381	96	250	10:35:02.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2634.73 +/- 6	2R3	4	0	3,598,969:46:0	
1382	96	250	10:35:02.666	175DL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,598,969:46:0	
1383	96	250	10:35:02.666	175DL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,598,969:46:0	
1384	**96**	**250**	**10:35:59.267**	**G2JNTHRMNS04-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1385	**96**	**250**	**11:39:18.667**	**G2NNRECOVY03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1386	96	250	11:40:10.666	127FQ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,599,033:84:0	
1387	**96**	**250**	**11:40:11.333**	**127FQ4A**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,599,033:85:0**	
1388	96	250	11:40:14.000	165IZ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,599,033:89:0	
1389	96	250	11:40:14.666	165IZ4B	7SCAN	NORM,273.015999,	Check S/P Position	2R3	4	0	3,599,033:90:0	
1390	96	250	11:40:19.333	127FQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,599,034:06:0	
1391	**96**	**250**	**11:40:35.333**	**432DK6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,599,034:30:0**	
1392	96	250	11:41:10.000	118IZ	**SMOS**	GS		2R3	4	0	3,599,034:82:0	
1393	96	250	11:41:20.000	118IZ110A111A4A	7STRP	0.00416,0.0,92,0	Slew =,1.21	2R3	4	0	3,599,035:06:0	
1394	**96**	**250**	**11:41:34.666**	**432DL6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,599,035:28:0**	
1395	96	250	11:41:37.333	175IZ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,599,035:32:0	
1396	96	250	11:41:45.400		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *2636.06 +/- 6	2R3	4	0	3,599,035:44:1	
1397	**96**	**250**	**11:41:47.333**	**G2NNRECOVY03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1398	96	250	11:41:49.333	175IZ176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,599,035:50:0	
1399	96	250	11:41:49.400		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *2629.79 +/- 6	2R3	4	0	3,599,035:50:1	
1400	96	250	11:41:49.400		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 2629.79 +/- 6	2R3	4	0	3,599,035:50:1	
1401	96	250	11:41:50.666	118IZ11A	**SMOS**	GE		2R3	4	0	3,599,035:52:0	
1402	96	250	11:42:17.333	175IZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,599,036:01:0	
1403	96	250	11:42:17.333		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *2531.59 +/- 6	2R3	4	0	3,599,036:01:0	
1404	96	250	12:00:27.333	165CK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,599,053:89:0	
1405	96	250	12:00:28.000	165CK4B	7SCAN	NORM,282.107998,	Check S/P Position	2R3	4	0	3,599,053:90:0	
1406	96	250	12:04:00.666	432CA6A	6RTSL1		R/T Select of DDS and	2R3	4	0	3,599,057:45:0	
1407	96	250	13:34:56.000	488U6A	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	2R3	4	0	3,599,147:38:0	
1408	96	250	14:38:56.000	488U6B	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R3	4	0	3,599,210:65:0	
1409	96	250	14:44:23.333	488U6C	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	2R3	4	0	3,599,216:10:0	
1410	96	250	16:01:40.666	488U6D	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R3	4	0	3,599,292:50:0	
1411	96	250	16:07:09.333	165ES4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,599,297:88:0	
1412	96	250	16:07:10.000	165ES4B	7SCAN	NORM,255.261,-20	Check S/P Position	2R3	4	0	3,599,297:89:0	
1413	**96**	**250**	**16:07:15.333**	**G2GNSIPPAR01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1414	96	250	16:07:20.666	488U6E	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	2R3	4	0	3,599,298:14:0	
1415	96	250	16:09:08.000	127ES	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,599,299:84:0	
1416	**96**	**250**	**16:09:08.666**	**127ES4A**	**37ETB**	**07,C7,02,06,00,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,599,299:85:0**	
1417	96	250	16:09:16.666	127ES11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,599,300:06:0	
1418	96	250	16:10:00.666	175DI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,599,300:72:0	
1419	96	250	16:10:04.000	117ES	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,599,300:77:0	
1420	96	250	16:10:08.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2532.07 +/- 6	2R3	4	0	3,599,300:84:1	
1421	96	250	16:10:10.000	175DI176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,599,300:86:0	
1422	96	250	16:10:10.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2531.95 +/- 7	2R3	4	0	3,599,300:86:3	
1423	96	250	16:10:10.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2531.95 +/- 7	2R3	4	0	3,599,300:86:3	
1424	**96**	**250**	**16:10:13.301**	**G2GNSIPPAR01-**	**NIMPBK**	**301ES**	**SIPPAR REGION MAP**	**2R3**	**4**	**0**	**: :**	
1425	96	250	16:10:13.333	117ES105A106A4A	7STRP	0.00978,0.0,0,0,	Slew =,0.03	2R3	4	0	3,599,301:00:0	
1426	96	250	16:12:11.300	G2GNSIPPAR01-	**DESELC**	300ES	SIPPAR REGION MAP	2R3	4	0	: :	
1427	96	250	16:15:40.666	117ES105A106A4B	7STRP	-0.00978,0.0055,	Slew =12.01	2R3	4	0	3,599,306:36:0	
1428	96	250	16:15:51.333	117ES105A106A4C	7STRP	0.00978,0.0,0,0,	Slew =,0.03	2R3	4	0	3,599,306:52:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1429	96	250	16:21:18.666	117ES11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,599,311:88:0	
1430	96	250	16:21:23.333	165GK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,599,312:04:0	
1431	96	250	16:21:24.000	165GK4B	7SCAN	NORM,253.070999,	Check S/P Position	2R3	4	0	3,599,312:05:0	
1432	**96**	**250**	**16:21:24.667**	**G2GNSIPPAR01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1433	96	250	16:21:32.000	175DI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,599,312:17:0	
1434	96	250	16:21:32.000	175DI6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,599,312:17:0	
1435	96	250	16:21:32.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2372.15 +/- 7	2R3	4	0	3,599,312:17:0	
1436	96	250	16:22:16.000	117GK	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,599,312:83:0	
1437	96	250	16:22:25.333	117GK105A106A4A	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,313:06:0	
1438	96	250	16:23:17.333	117GK105A106A4B	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,313:84:0	
1439	96	250	16:23:26.000	117GK105A106A4C	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,314:06:0	
1440	96	250	16:24:18.000	117GK105A106A4D	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,314:84:0	
1441	96	250	16:24:26.666	117GK105A106A4E	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,315:06:0	
1442	96	250	16:25:18.666	117GK105A106A4F	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,315:84:0	
1443	96	250	16:25:27.333	117GK105A106A4G	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,316:06:0	
1444	96	250	16:26:19.333	117GK105A106A4H	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,316:84:0	
1445	96	250	16:26:28.000	117GK105A106A4I	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,317:06:0	
1446	96	250	16:27:20.000	117GK105A106A4J	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,317:84:0	
1447	96	250	16:27:28.666	117GK105A106A4K	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,318:06:0	
1448	96	250	16:28:20.666	117GK105A106A4L	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,318:84:0	
1449	96	250	16:28:29.333	117GK105A106A4M	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,319:06:0	
1450	96	250	16:29:21.333	117GK105A106A4N	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,319:84:0	
1451	96	250	16:29:30.000	117GK105A106A4O	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,320:06:0	
1452	96	250	16:30:22.000	117GK105A106A4P	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,320:84:0	
1453	96	250	16:30:30.666	117GK105A106A4Q	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,321:06:0	
1454	96	250	16:31:22.666	117GK105A106A4R	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,321:84:0	
1455	96	250	16:31:31.333	117GK105A106A4S	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,322:06:0	
1456	96	250	16:32:23.333	117GK105A106A4T	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,322:84:0	
1457	96	250	16:32:32.000	117GK105A106A4U	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,323:06:0	
1458	96	250	16:33:24.000	117GK105A106A4V	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,323:84:0	
1459	96	250	16:33:32.666	117GK105A106A4W	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,324:06:0	
1460	96	250	16:34:24.666	117GK105A106A4X	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,324:84:0	
1461	96	250	16:34:33.333	117GK105A106A4Y	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,325:06:0	
1462	96	250	16:35:25.333	117GK105A106A4Z	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,325:84:0	
1463	96	250	16:35:34.000	117GK105A106A4AA	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,326:06:0	
1464	96	250	16:36:26.000	117GK105A106A4AB	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,326:84:0	
1465	96	250	16:36:34.666	117GK105A106A4AC	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,327:06:0	
1466	96	250	16:37:26.666	117GK105A106A4AD	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,327:84:0	
1467	96	250	16:37:35.333	117GK105A106A4AE	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,328:06:0	
1468	96	250	16:38:27.333	117GK105A106A4AF	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,328:84:0	
1469	96	250	16:38:36.000	117GK105A106A4AG	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,329:06:0	
1470	96	250	16:39:28.000	117GK105A106A4AH	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,329:84:0	
1471	96	250	16:39:36.666	117GK105A106A4AI	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,330:06:0	
1472	96	250	16:40:28.666	117GK105A106A4AJ	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,330:84:0	
1473	96	250	16:40:37.333	117GK105A106A4AK	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,331:06:0	
1474	96	250	16:41:29.333	117GK105A106A4AL	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,331:84:0	
1475	96	250	16:41:38.000	117GK105A106A4AM	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,332:06:0	
1476	96	250	16:42:30.000	117GK105A106A4AN	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,332:84:0	
1477	96	250	16:42:38.666	117GK105A106A4AO	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,333:06:0	
1478	96	250	16:43:30.666	117GK105A106A4AP	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,333:84:0	
1479	96	250	16:43:39.333	117GK105A106A4AQ	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,334:06:0	
1480	96	250	16:44:31.333	117GK105A106A4AR	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,334:84:0	
1481	96	250	16:44:40.000	117GK105A106A4AS	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,335:06:0	
1482	96	250	16:45:32.000	117GK105A106A4AT	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,335:84:0	
1483	96	250	16:45:40.666	117GK105A106A4AU	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,336:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1484	96	250	16:46:32.666	117GK105A106A4AV	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,336	84:0
1485	96	250	16:46:41.333	117GK105A106A4AW	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,337	06:0
1486	96	250	16:47:33.333	117GK105A106A4AX	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,337	84:0
1487	96	250	16:47:42.000	117GK105A106A4AY	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,338	06:0
1488	96	250	16:48:34.000	117GK105A106A4AZ	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,338	84:0
1489	96	250	16:48:42.666	117GK105A106A4BA	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,339	06:0
1490	96	250	16:49:34.666	117GK105A106A4BB	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,339	84:0
1491	96	250	16:49:43.333	117GK105A106A4BC	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,340	06:0
1492	96	250	16:50:35.333	117GK105A106A4BD	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,340	84:0
1493	96	250	16:50:44.000	117GK105A106A4BE	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,341	06:0
1494	96	250	16:51:12.000	488V6A	6TMSED	FILL,DL3	Sci, Eng, and D/L Chan	2R3	4	0	3,599,341	48:0
1495	96	250	16:51:36.000	117GK105A106A4BF	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,341	84:0
1496	96	250	16:51:44.666	117GK105A106A4BG	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,342	06:0
1497	96	250	16:52:36.666	117GK105A106A4BH	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,342	84:0
1498	96	250	16:52:45.333	117GK105A106A4BI	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,343	06:0
1499	96	250	16:53:37.333	117GK105A106A4BJ	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,343	84:0
1500	96	250	16:53:46.000	117GK105A106A4BK	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,344	06:0
1501	96	250	16:54:38.000	117GK105A106A4BL	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,344	84:0
1502	96	250	16:54:46.666	117GK105A106A4BM	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,345	06:0
1503	96	250	16:55:38.666	117GK105A106A4BN	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,345	84:0
1504	96	250	16:55:47.333	117GK105A106A4BO	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,346	06:0
1505	96	250	16:56:39.333	117GK105A106A4BP	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,346	84:0
1506	96	250	16:56:48.000	117GK105A106A4BQ	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,347	06:0
1507	96	250	16:57:40.000	117GK105A106A4BR	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,347	84:0
1508	96	250	16:57:48.666	117GK105A106A4BS	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,348	06:0
1509	96	250	16:58:40.666	117GK105A106A4BT	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,348	84:0
1510	96	250	16:58:49.333	117GK105A106A4BU	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,349	06:0
1511	96	250	16:59:41.333	117GK105A106A4BV	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,349	84:0
1512	96	250	16:59:50.000	117GK105A106A4BW	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,350	06:0
1513	96	250	17:00:00.000	488V6B	6TMSED	FILL,EL3	Sci, Eng, and D/L Chan	2R3	4	0	3,599,350	21:0
1514	96	250	17:00:42.000	117GK105A106A4BX	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,350	84:0
1515	96	250	17:00:50.666	117GK105A106A4BY	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,351	06:0
1516	96	250	17:01:42.666	117GK105A106A4BZ	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,351	84:0
1517	96	250	17:01:51.333	117GK105A106A4CA	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,352	06:0
1518	96	250	17:02:43.333	117GK105A106A4CB	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,352	84:0
1519	96	250	17:02:52.000	117GK105A106A4CC	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,353	06:0
1520	96	250	17:03:44.000	117GK105A106A4CD	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,353	84:0
1521	96	250	17:03:52.666	117GK105A106A4CE	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,354	06:0
1522	96	250	17:04:44.666	117GK105A106A4CF	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,354	84:0
1523	96	250	17:04:53.333	117GK105A106A4CG	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,355	06:0
1524	96	250	17:05:45.333	117GK105A106A4CH	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,355	84:0
1525	96	250	17:05:54.000	117GK105A106A4CI	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,356	06:0
1526	96	250	17:06:46.000	117GK105A106A4CJ	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,356	84:0
1527	96	250	17:06:54.666	117GK105A106A4CK	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,357	06:0
1528	96	250	17:07:46.666	117GK105A106A4CL	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,357	84:0
1529	96	250	17:07:55.333	117GK105A106A4CM	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,358	06:0
1530	96	250	17:08:47.333	117GK105A106A4CN	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,358	84:0
1531	96	250	17:08:56.000	117GK105A106A4CO	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,359	06:0
1532	96	250	17:09:48.000	117GK105A106A4CP	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,359	84:0
1533	96	250	17:09:56.666	117GK105A106A4CQ	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,360	06:0
1534	96	250	17:10:48.666	117GK105A106A4CR	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,360	84:0
1535	96	250	17:10:57.333	117GK105A106A4CS	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,361	06:0
1536	96	250	17:11:49.333	117GK105A106A4CT	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,361	84:0
1537	96	250	17:11:58.000	117GK105A106A4CU	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,362	06:0
1538	96	250	17:12:50.000	117GK105A106A4CV	7STRP	-0.083695,0.0008	Slew =17.44	2R3	4	0	3,599,362	84:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1539	96	250	17:12:58.666	117GK105A106A4CW	7STRP	0.083695,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,363:06:0	
1540	96	250	17:13:50.666	117GK105A106B4A	7STRP	-0.072125,0.0008	Slew =17.44	2R3	4	0	3,599,363:84:0	
1541	96	250	17:13:58.000	117GK105A106B4B	7STRP	0.072125,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,364:04:0	
1542	96	250	17:14:41.333	117GK105A106B4C	7STRP	-0.072125,0.0008	Slew =17.44	2R3	4	0	3,599,364:69:0	
1543	96	250	17:14:48.666	117GK105A106B4D	7STRP	0.072125,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,364:80:0	
1544	96	250	17:15:32.000	117GK105A106B4E	7STRP	-0.072125,0.0008	Slew =17.44	2R3	4	0	3,599,365:54:0	
1545	96	250	17:15:39.333	117GK105A106B4F	7STRP	0.072125,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,365:65:0	
1546	96	250	17:16:22.666	117GK105A106B4G	7STRP	-0.072125,0.0008	Slew =17.44	2R3	4	0	3,599,366:39:0	
1547	96	250	17:16:30.000	117GK105A106B4H	7STRP	0.072125,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,366:50:0	
1548	96	250	17:17:13.333	117GK105A106B4I	7STRP	-0.072125,0.0008	Slew =17.44	2R3	4	0	3,599,367:24:0	
1549	96	250	17:17:20.666	117GK105A106B4J	7STRP	0.072125,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,367:35:0	
1550	96	250	17:18:04.000	117GK105A106B4K	7STRP	-0.072125,0.0008	Slew =17.44	2R3	4	0	3,599,368:09:0	
1551	96	250	17:18:11.333	117GK105A106B4L	7STRP	0.072125,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,368:20:0	
1552	96	250	17:18:54.666	117GK105A106B4M	7STRP	-0.072125,0.0008	Slew =17.44	2R3	4	0	3,599,368:85:0	
1553	96	250	17:19:02.000	117GK105A106B4N	7STRP	0.072125,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,369:05:0	
1554	96	250	17:19:45.333	117GK105A106B4O	7STRP	-0.072125,0.0008	Slew =17.44	2R3	4	0	3,599,369:70:0	
1555	96	250	17:19:52.666	117GK105A106B4P	7STRP	0.072125,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,369:81:0	
1556	96	250	17:20:36.000	117GK105A106B4Q	7STRP	-0.072125,0.0008	Slew =17.44	2R3	4	0	3,599,370:55:0	
1557	96	250	17:20:43.333	117GK105A106B4R	7STRP	0.072125,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,370:66:0	
1558	96	250	17:21:26.666	117GK105A106B4S	7STRP	-0.072125,0.0008	Slew =17.44	2R3	4	0	3,599,371:40:0	
1559	96	250	17:21:34.000	117GK105A106B4T	7STRP	0.072125,0.0,0,0	Slew =0,1.8	2R3	4	0	3,599,371:51:0	
1560	96	250	17:22:17.333	117GK11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,599,372:25:0	
1561	**96**	**250**	**17:26:59.333**	**125DN4A**	**37IST**	**0,2,0,OFF,0,1,2**	**Gain State 3**	**3R3**	**4**	**0**	**3,599,376:84:0**	
1562	96	250	17:26:59.333	125DN11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,599,376:84:0	
1563	96	250	17:26:59.333	125DN	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	3,599,376:84:0	
1564	96	250	17:27:06.666	165DN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,599,377:04:0	
1565	**96**	**250**	**17:27:06.667**	**G2GNNRPOLE01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
1566	96	250	17:27:07.333	165DN4B	7SCAN	NORM,257.869999,	Check S/P Position	3R3	4	0	3,599,377:05:0	
1567	96	250	17:27:56.000	175DN422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	3R3	4	0	3,599,377:78:0	
1568	96	250	17:27:59.333	117DN	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,599,377:83:0	
1569	96	250	17:28:00.000	127DN	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,599,377:84:0	
1570	**96**	**250**	**17:28:00.000**	**127DN4A**	**37IOP**	**1,0**	**Full Map, Grating Start Position =00**	**3R1**	**4**	**0**	**3,599,377:84:0**	
1571	**96**	**250**	**17:28:00.666**	**127DN4B**	**37ETB**	**04,C4,1B,FF,FF**	**Loads wavelength edit table**	**3R1**	**4**	**0**	**3,599,377:85:0**	
1572	96	250	17:28:04.066		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *2373.49 +/- 7	3R1	4	0	3,599,377:90:1	
1573	96	250	17:28:07.333	165DN4C	7VECT		Inert vect update UTC	3R1	4	0	3,599,378:04:0	
1574	96	250	17:28:08.000	175DN176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R1	4	0	3,599,378:05:0	
1575	96	250	17:28:08.000	165DN4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R1	4	0	3,599,378:05:0	
1576	96	250	17:28:08.066		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *2371.99 +/- 7	3R1	4	0	3,599,378:05:1	
1577	96	250	17:28:08.066		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 2371.99 +/- 7	3R1	4	0	3,599,378:05:1	
1578	96	250	17:28:08.666	117DN105A106A4A	7STRP	-0.018002,0.0,0,	Slew =,0.06	3R1	4	0	3,599,378:06:0	
1579	96	250	17:28:08.666	127DN11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R1	4	0	3,599,378:06:0	
1580	96	250	17:30:23.333	488V6C	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	3R1	4	0	3,599,380:26:0	
1581	96	250	17:33:19.333	117DN105A106B4A	7STRP	0.001,-0.0025,0,	Slew =,4.01	3R1	4	0	3,599,383:17:0	
1582	96	250	17:33:29.333	117DN105A106B4B	7STRP	-0.015001,0.0,0,	Slew =,0.06	3R1	4	0	3,599,383:32:0	
1583	**96**	**250**	**17:33:35.964**	**G2GNNRPOLE01-**	**NIMPBK**	**301DN**	**NORTH POLE REGION MAP**	**3R1**	**4**	**0**	**: :**	
1584	96	250	17:37:45.333	117DN105A106C4A	7STRP	0.001,-0.003,0,0	Slew =,4.01	3R1	4	0	3,599,387:52:0	
1585	96	250	17:37:55.333	117DN105A106C4B	7STRP	-0.017002,0.0,0,	Slew =,0.06	3R1	4	0	3,599,387:67:0	
1586	96	250	17:39:05.964	G2GNNRPOLE01-	**DESELC**	300DN	NORTH POLE REGION MAP	3R1	4	0	: :	
1587	96	250	17:42:44.666	117DN105A106D4A	7STRP	0.008,-0.008001,	Slew =,4.01	3R1	4	0	3,599,392:46:0	
1588	96	250	17:42:54.666	117DN105A106D4B	7STRP	-0.016001,0.0,0,	Slew =,0.06	3R1	4	0	3,599,392:61:0	
1589	96	250	17:47:30.666	117DN11A	**CSMOS**	GE	***** GROUP END CSMOS	3R1	4	0	3,599,397:20:0	
1590	**96**	**250**	**17:47:31.333**	**G2GNNRPOLE01-**		**-----STOP-------**		**3R1**	**4**	**0**	**: :**	
1591	96	250	17:47:34.666		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *1346.66 +/- 7	3R1	4	0	3,599,397:26:0	
1592	96	250	17:47:34.666	175DN422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R1	4	0	3,599,397:26:0	
1593	96	250	17:52:20.666	411JB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R1	4	0	3,599,402:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1594	96	250	17:52:28.733		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1347.83 +/- 7	3R1	4	0	3,599,402:12:1	
1595	96	250	17:52:30.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1347.71 +/- 7	3R1	4	0	3,599,402:14:3	
1596	96	250	17:52:30.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1347.71 +/- 7	3R1	4	0	3,599,402:14:3	
1597	96	250	17:52:30.666	411JB6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	3R1	4	0	3,599,402:15:0	
1598	96	250	17:54:32.000	411JB6C	6TMREC	**NRC**	NO RECORD Record Mode Change	3R1	4	0	3,599,404:15:0	
1599	96	250	17:54:34.666	175TK176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	3R1	4	0	3,599,404:19:0	
1600	96	250	17:54:35.333	175TK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R1	4	0	3,599,404:20:0	
1601	96	250	17:54:42.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1316.82 +/- 7	3R1	4	0	3,599,404:30:0	
1602	96	250	17:54:42.000	175TK422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R1	4	0	3,599,404:30:0	
1603	**96**	**250**	**17:56:22.000**	**G2GNTAMMUZ01-**		**-----START------**		**3R1**	**4**	**0**	**: :**	
1604	96	250	17:56:22.000	165DM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R1	4	0	3,599,405:89:0	
1605	96	250	17:56:22.666	165DM4B	7SCAN	NORM,260.739998,	Check S/P Position	3R1	4	0	3,599,405:90:0	
1606	**96**	**250**	**17:58:20.000**	**125DM4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R1**	**4**	**0**	**3,599,407:84:0**	
1607	96	250	17:58:20.000	125DM11A	NIMSINIT	GE	##### GROUP END INIT	2R1	4	0	3,599,407:84:0	
1608	96	250	17:58:20.000	125DM	NIMSINIT	GS	##### GROUP START INIT	2R1	4	0	3,599,407:84:0	
1609	96	250	17:59:20.666	127DM	NIMSTAB	GS	%%%%% GROUP START TAB	2R1	4	0	3,599,408:84:0	
1610	**96**	**250**	**17:59:20.666**	**127DM4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,599,408:84:0**	
1611	**96**	**250**	**17:59:21.333**	**127DM4B**	**37ETB**	**07,C7,02,0C,00,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,599,408:85:0**	
1612	96	250	17:59:29.333	127DM11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,599,409:06:0	
1613	96	250	18:00:13.333	175DM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,599,409:72:0	
1614	96	250	18:00:16.666	117DM	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,599,409:77:0	
1615	96	250	18:00:21.400		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1318.16 +/- 7	2R3	4	0	3,599,409:84:1	
1616	96	250	18:00:22.666	175DM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,599,409:86:0	
1617	96	250	18:00:22.866		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1318.04 +/- 7	2R3	4	0	3,599,409:86:3	
1618	96	250	18:00:22.866		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1318.04 +/- 7	2R3	4	0	3,599,409:86:3	
1619	96	250	18:00:24.666	165DM4C	7VECT		Inert vect update UTC	2R3	4	0	3,599,409:89:0	
1620	96	250	18:00:25.333	165DM4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,599,409:90:0	
1621	**96**	**250**	**18:00:25.963**	**G2GNTAMMUZ01-**	**NIMPBK**	**301DM**	**BRIGHT RAYED CRATER TAMMUZ**	**2R3**	**4**	**0**	**: :**	
1622	96	250	18:00:26.000	117DM105A106A4A	7STRP	-0.015501,0.0,0,	Slew =,0.03	2R3	4	0	3,599,410:00:0	
1623	96	250	18:09:31.296	G2GNTAMMUZ01-	**DESELC**	300DM	BRIGHT RAYED CRATER TAMMUZ	2R3	4	0	: :	
1624	96	250	18:09:32.000	117DM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,599,419:00:0	
1625	96	250	18:09:33.333	175DM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,599,419:02:0	
1626	96	250	18:09:33.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1189.02 +/- 7	2R3	4	0	3,599,419:02:0	
1627	96	250	18:09:33.333	175DM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,599,419:02:0	
1628	**96**	**250**	**18:09:47.333**	**G2GNTAMMUZ01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1629	96	250	18:14:12.666	165IB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,599,423:57:0	
1630	96	250	18:14:13.333	165IB4B	7SCAN	NORM,255.856998,	Check S/P Position	2R3	4	0	3,599,423:58:0	
1631	96	250	18:14:24.000	175IB422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	3,599,423:74:0	
1632	96	250	18:14:27.333	118IB	**SMOS**	GS		2R3	4	0	3,599,423:79:0	
1633	96	250	18:14:32.066		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *1190.36 +/- 7	2R3	4	0	3,599,423:86:1	
1634	96	250	18:14:34.000	165IB4C	7VECT		Inert vect update UTC	2R3	4	0	3,599,423:89:0	
1635	96	250	18:14:34.666	165IB4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,599,423:90:0	
1636	96	250	18:14:36.666	175IB176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,599,424:02:0	
1637	96	250	18:14:37.266		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *1126.34 +/- 7	2R3	4	0	3,599,424:02:9	
1638	96	250	18:14:37.266		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 1126.34 +/- 8	2R3	4	0	3,599,424:02:9	
1639	96	250	18:14:37.333	118IB110A111A4A	7STRP	0.0073,0.0,26,0,	Slew =2,2.5	2R3	4	0	3,599,424:03:0	
1640	96	250	18:14:46.000	118IB110A111A4B	7STRP	-0.0073,0.007301	Slew =0,5.0	2R3	4	0	3,599,424:16:0	
1641	96	250	18:14:54.666	118IB110A111A4C	7STRP	0.0073,0.0,26,0,	Slew =2,2.5	2R3	4	0	3,599,424:29:0	
1642	96	250	18:15:03.333	118IB11A	**SMOS**	GE		2R3	4	0	3,599,424:42:0	
1643	96	250	18:15:10.000	175IB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,599,424:52:0	
1644	96	250	18:15:10.000		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC * 320.79 +/- 8	2R3	4	0	3,599,424:52:0	
1645	96	250	18:19:32.000	465KB6A	6DTRN	CMD,6DTRN,465KB6	DMS TRACK TURNAROUND	2R3	4	0	3,599,428:81:0	
1646	96	250	18:30:06.666	165IA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,599,439:32:0	
1647	96	250	18:30:07.333	165IA4B	7SCAN	NORM,252.905998,	Check S/P Position	2R3	4	0	3,599,439:33:0	
1648	96	250	18:30:34.666	175IA422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	3,599,439:74:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1649	96	250	18:30:42.733		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC * 203.02 +/-	2R3	4	0	3,599,439	86:1
1650	96	250	18:30:44.666	165IA4C	7VECT		Inert vect update UTC	2R3	4	0	3,599,439	89:0
1651	96	250	18:30:45.333	165IA4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,599,439	90:0
1652	96	250	18:30:47.333	175IA176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,599,440	02:0
1653	96	250	18:30:47.933		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC * 267.03 +/-	2R3	4	0	3,599,440	02:9
1654	96	250	18:30:47.933		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 267.03 +/-	2R3	4	0	3,599,440	02:9
1655	96	250	18:30:54.666		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC * 432.74 +/-	2R3	4	0	3,599,440	13:0
1656	96	250	18:30:54.666	175IA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,599,440	13:0
1657	96	250	18:31:32.666	165IC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,599,440	70:0
1658	96	250	18:31:33.333	165IC4B	7SCAN	NORM,246.5,-31.6	Check S/P Position	2R3	4	0	3,599,440	71:0
1659	96	250	18:32:06.000	175IC422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	3,599,441	29:0
1660	96	250	18:32:14.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC * 445.13 +/-	2R3	4	0	3,599,441	41:1
1661	96	250	18:32:15.333	165IC4C	7VECT		Inert vect update UTC	2R3	4	0	3,599,441	43:0
1662	96	250	18:32:16.000	165IC4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,599,441	44:0
1663	96	250	18:32:18.000	175IC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	3,599,441	47:0
1664	96	250	18:32:18.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 451.40 +/-	2R3	4	0	3,599,441	47:1
1665	96	250	18:32:18.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 451.40 +/-	2R3	4	0	3,599,441	47:1
1666	96	250	18:32:42.666	282NG431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	2R3	4	0	3,599,441	84:0
1667	96	250	18:32:47.333	431FB6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	2R3	4	0	3,599,442	00:0
1668	96	250	18:32:47.333	428PA6A	6RCCLR			2R3	4	0	3,599,442	00:0
1669	96	250	18:32:48.000	428PA6B	6RCSET		8	2R3	4	0	3,599,442	01:0
1670	96	250	18:33:18.000	175TA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,599,442	46:0
1671	96	250	18:33:18.000		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 662.10 +/-	2R3	4	0	3,599,442	46:0
1672	96	250	18:33:19.400		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC * 663.02 +/-	2R3	4	0	3,599,442	48:1
1673	96	250	18:33:20.666	175TA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,599,442	50:0
1674	96	250	18:33:20.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 663.14 +/-	2R3	4	0	3,599,442	50:3
1675	96	250	18:33:20.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 663.14 +/-	2R3	4	0	3,599,442	50:3
1676	96	250	18:34:10.666	428PB6A	6RCCLR			2R3	4	0	3,599,443	34:0
1677	96	250	18:34:11.333	428PB6B	6RCSET		14	2R3	4	0	3,599,443	35:0
1678	96	250	18:34:26.000	165IE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,599,443	57:0
1679	96	250	18:34:26.666	165IE4B	7SCAN	NORM,260.302998,	Check S/P Position	2R3	4	0	3,599,443	58:0
1680	96	250	18:34:52.666	118IE	**SMOS**	GS		2R3	4	0	3,599,444	06:0
1681	96	250	18:35:01.333	175IE422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	3,599,444	19:0
1682	96	250	18:35:01.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 686.68 +/-	2R3	4	0	3,599,444	19:0
1683	96	250	18:35:02.733		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC * 686.74 +/-	2R3	4	0	3,599,444	21:1
1684	96	250	18:35:04.666	165IE4C	7VECT		Inert vect update UTC	2R3	4	0	3,599,444	24:0
1685	96	250	18:35:05.333	165IE4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,599,444	25:0
1686	96	250	18:35:07.333	175IE176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,599,444	28:0
1687	96	250	18:35:07.933		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC * 750.76 +/-	2R3	4	0	3,599,444	28:9
1688	96	250	18:35:07.933		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 750.76 +/-	2R3	4	0	3,599,444	28:9
1689	96	250	18:35:08.000	118IE110A111A4A	7STRP	-0.002,0.007302,	Slew =,6.01	2R3	4	0	3,599,444	29:0
1690	96	250	18:35:19.333	428PC6A	6RCCLR			2R3	4	0	3,599,444	46:0
1691	96	250	18:35:20.000	428PC6B	6RCSET		11	2R3	4	0	3,599,444	47:0
1692	96	250	18:35:25.333	118IE11A	**SMOS**	GE		2R3	4	0	3,599,444	55:0
1693	96	250	18:35:26.666	165IF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,599,444	57:0
1694	96	250	18:35:27.333	165IF4B	7SCAN	NORM,260.232998,	Check S/P Position	2R3	4	0	3,599,444	58:0
1695	96	250	18:35:32.000	175TB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,599,444	65:0
1696	96	250	18:35:32.000		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *1343.02 +/-	2R3	4	0	3,599,444	65:0
1697	96	250	18:35:35.133		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *1354.02 +/-	2R3	4	0	3,599,444	69:7
1698	96	250	18:35:36.000	175TB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,599,444	71:0
1699	96	250	18:35:36.600		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1354.14 +/-	2R3	4	0	3,599,444	71:9
1700	96	250	18:35:36.600		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1354.14 +/-	2R3	4	0	3,599,444	71:9
1701	96	250	18:36:23.333	428PD6A	6RCCLR			2R3	4	0	3,599,445	51:0
1702	96	250	18:36:24.000	428PD6B	6RCSET		14	2R3	4	0	3,599,445	52:0
1703	96	250	18:36:54.000	118IF	**SMOS**	GS		2R3	4	0	3,599,446	06:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1704	96	250	18:37:11.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1376.35 +/-	2R3	4	0	3,599,446:32:0	
1705	96	250	18:37:11.333	175IF422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	3,599,446:32:0	
1706	96	250	18:37:12.733		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *1376.41 +/-	2R3	4	0	3,599,446:34:1	
1707	96	250	18:37:14.666	165IF4C	7VECT		Inert vect update UTC	2R3	4	0	3,599,446:37:0	
1708	96	250	18:37:15.333	165IF4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,599,446:38:0	
1709	96	250	18:37:17.333	175IF176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,599,446:41:0	
1710	96	250	18:37:17.933		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *1440.42 +/-	2R3	4	0	3,599,446:41:9	
1711	96	250	18:37:17.933		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 1440.42 +/- 1	2R3	4	0	3,599,446:41:9	
1712	96	250	18:37:18.000	118IF110A111A4A	7STRP	0.0073,0.0,26,0,	Slew =2,2.5	2R3	4	0	3,599,446:42:0	
1713	96	250	18:37:26.666	118IF110A111A4B	7STRP	-0.0073,0.007302	Slew =,7.01	2R3	4	0	3,599,446:55:0	
1714	96	250	18:37:33.333	428PE6A	6RCCLR			2R3	4	0	3,599,446:65:0	
1715	96	250	18:37:34.000	428PE6B	6RCSET		11	2R3	4	0	3,599,446:66:0	
1716	96	250	18:37:35.333	118IF110A111A4C	7STRP	0.0073,0.0,26,0,	Slew =2,2.5	2R3	4	0	3,599,446:68:0	
1717	96	250	18:37:44.000	118IF11A	**SMOS**	GE		2R3	4	0	3,599,446:81:0	
1718	96	250	18:37:45.333	165IG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,599,446:83:0	
1719	96	250	18:37:46.000	165IG4B	7SCAN	NORM,244.141998,	Check S/P Position	2R3	4	0	3,599,446:84:0	
1720	**96**	**250**	**18:37:46.000**	**125DO4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,599,446:84:0**	
1721	96	250	18:37:46.000	125DO11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,599,446:84:0	
1722	96	250	18:37:46.000	125DO	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,599,446:84:0	
1723	96	250	18:37:50.666		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *2245.97 +/- 1	2R3	4	0	3,599,447:00:0	
1724	96	250	18:37:50.666	175TC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,599,447:00:0	
1725	96	250	18:37:53.800		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *2256.97 +/- 1	2R3	4	0	3,599,447:04:7	
1726	96	250	18:37:54.666	175TC176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,599,447:06:0	
1727	96	250	18:37:55.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2257.09 +/- 1	2R3	4	0	3,599,447:06:9	
1728	96	250	18:37:55.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2257.09 +/- 1	2R3	4	0	3,599,447:06:9	
1729	96	250	18:38:02.666	428PF6A	6RCCLR			2R3	4	0	3,599,447:18:0	
1730	96	250	18:38:03.333	428PF6B	6RCSET		14	2R3	4	0	3,599,447:19:0	
1731	96	250	18:38:12.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2261.01 +/- 1	2R3	4	0	3,599,447:32:0	
1732	96	250	18:38:12.000	175IG422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	3,599,447:32:0	
1733	96	250	18:38:13.400		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *2261.07 +/- 1	2R3	4	0	3,599,447:34:1	
1734	96	250	18:38:15.333	165IG4C	7VECT		Inert vect update UTC	2R3	4	0	3,599,447:37:0	
1735	96	250	18:38:16.000	165IG4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,599,447:38:0	
1736	96	250	18:38:18.000	175IG176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,599,447:41:0	
1737	96	250	18:38:18.600		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *2325.08 +/- 1	2R3	4	0	3,599,447:41:9	
1738	96	250	18:38:18.600		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 2325.08 +/- 1	2R3	4	0	3,599,447:41:9	
1739	96	250	18:38:20.000	428PG6A	6RCCLR			2R3	4	0	3,599,447:44:0	
1740	96	250	18:38:20.666	428PG6B	6RCSET		11	2R3	4	0	3,599,447:45:0	
1741	**96**	**250**	**18:38:22.000**	**G2GNANTUM_01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1742	96	250	18:38:22.000	165DO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,599,447:47:0	
1743	96	250	18:38:22.666	165DO4B	7SCAN	NORM,269.606998,	Check S/P Position	2R3	4	0	3,599,447:48:0	
1744	96	250	18:38:24.000		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *2457.97 +/- 1	2R3	4	0	3,599,447:50:0	
1745	96	250	18:38:24.000	175TD422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,599,447:50:0	
1746	96	250	18:38:27.133		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *2468.97 +/- 1	2R3	4	0	3,599,447:54:7	
1747	96	250	18:38:28.000	175TD176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,599,447:56:0	
1748	96	250	18:38:28.600		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2469.09 +/- 1	2R3	4	0	3,599,447:56:9	
1749	96	250	18:38:28.600		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2469.09 +/- 1	2R3	4	0	3,599,447:56:9	
1750	96	250	18:38:46.666	127DO	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,599,447:84:0	
1751	**96**	**250**	**18:38:46.666**	**127DO4A**	**37IOP**	**1,0**	**Full Map, Grating Start Position =00**	**2R1**	**4**	**0**	**3,599,447:84:0**	
1752	**96**	**250**	**18:38:47.333**	**127DO4B**	**37ETB**	**04,C4,1B,FF,FF**	**Loads wavelength edit table**	**2R1**	**4**	**0**	**3,599,447:85:0**	
1753	96	250	18:38:55.333	127DO11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R1	4	0	3,599,448:06:0	
1754	96	250	18:38:55.333	117DO	**CSMOS**	GS	***** GROUP START CSMOS	2R1	4	0	3,599,448:06:0	
1755	96	250	18:39:00.666	428PH6A	6RCCLR			2R1	4	0	3,599,448:14:0	
1756	96	250	18:39:01.333	428PH6B	6RCSET		12	2R1	4	0	3,599,448:15:0	
1757	96	250	18:39:32.666		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2484.11 +/- 1	2R1	4	0	3,599,448:62:0	
1758	96	250	18:39:32.666	175DO422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R1	4	0	3,599,448:62:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1759	96	250	18:39:34.066		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC *2484.17 +/- 1	2R1	4	0	3,599,448:64:1	
1760	96	250	18:39:37.333	165DO4C	7VECT		Inert vect update UTC	2R1	4	0	3,599,448:69:0	
1761	96	250	18:39:38.000	175DO176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R1	4	0	3,599,448:70:0	
1762	96	250	18:39:38.000	165DO4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R1	4	0	3,599,448:70:0	
1763	96	250	18:39:38.066		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *2485.67 +/- 1	2R1	4	0	3,599,448:70:1	
1764	96	250	18:39:38.066		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 2485.67 +/- 1	2R1	4	0	3,599,448:70:1	
1765	**96**	**250**	**18:39:38.629**	**G2GNANTUM01-,**	**NIMPBK**	**301DO**	**DARK RAYED CRATER ANTUM**	**2R1**	**4**	**0**	**: :**	
1766	96	250	18:39:38.666	117DO105A106A4A	7STRP	-0.017002,0.0,0,	Slew =,0.06	2R1	4	0	3,599,448:71:0	
1767	96	250	18:42:01.333	428PI6A	6RCCLR			2R1	4	0	3,599,451:12:0	
1768	96	250	18:42:02.000	428PI6B	6RCSET	8		2R1	4	0	3,599,451:13:0	
1769	96	250	18:44:24.629	G2GNANTUM 01-	**DESELC**	300DO	DARK RAYED CRATER ANTUM	2R1	4	0	: :	
1770	96	250	18:44:24.666	117DO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R1	4	0	3,599,453:45:0	
1771	**96**	**250**	**18:44:25.333**	**G2GNANTUM_01-**		**-----STOP-------**		**2R1**	**4**	**0**	**: :**	
1772	96	250	18:44:26.000		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *2738.73 +/- 1	2R1	4	0	3,599,453:47:0	
1773	96	250	18:44:26.000	175TE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R1	4	0	3,599,453:47:0	
1774	96	250	18:44:27.400		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *2738.95 +/- 1	2R1	4	0	3,599,453:49:1	
1775	96	250	18:44:28.666	175TE176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R1	4	0	3,599,453:51:0	
1776	96	250	18:44:28.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2739.07 +/- 1	2R1	4	0	3,599,453:51:3	
1777	96	250	18:44:28.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2739.07 +/- 1	2R1	4	0	3,599,453:51:3	
1778	96	250	18:44:30.000	165II4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R1	4	0	3,599,453:53:0	
1779	96	250	18:44:30.666	165II4B	7SCAN	NORM,255.449999,	Check S/P Position	2R1	4	0	3,599,453:54:0	
1780	**96**	**250**	**18:44:50.666**	**127DP4A**	**37IOP**	**7,1**	**Fixed Map, Grating Start Position =01**	**2R7**	**4**	**1**	**3,599,453:84:0**	
1781	96	250	18:44:50.666	127DP	NIMSTAB	GS	%%%%% GROUP START TAB	2R7	4	1	3,599,453:84:0	
1782	**96**	**250**	**18:44:51.333**	**127DP4B**	**37ETB**	**04,C4,1B,FF,FF**	**Loads wavelength edit table**	**2R7**	**4**	**1**	**3,599,453:85:0**	
1783	96	250	18:44:59.333	117II	**CSMOS**	GS	***** GROUP START CSMOS	2R7	4	1	3,599,454:06:0	
1784	96	250	18:44:59.333	127DP11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	1	3,599,454:06:0	
1785	96	250	18:45:05.333	428PJ6A	6RCCLR			2R7	4	1	3,599,454:15:0	
1786	96	250	18:45:06.000	428PJ6B	6RCSET	14		2R7	4	1	3,599,454:16:0	
1787	96	250	18:45:36.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2754.81 +/- 1	2R7	4	1	3,599,454:61:0	
1788	96	250	18:45:36.000	175IH422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R7	4	1	3,599,454:61:0	
1789	96	250	18:45:36.000	165II4C	7VECT		Inert vect update UTC	2R7	4	1	3,599,454:61:0	
1790	96	250	18:45:36.666	165II4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R7	4	1	3,599,454:62:0	
1791	96	250	18:45:37.333	117II105A106A4A	7STRP	-0.103679,0.0,0,	Slew =,3.16	2R7	4	1	3,599,454:63:0	
1792	96	250	18:45:37.400		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *2754.87 +/- 1	2R7	4	1	3,599,454:63:1	
1793	96	250	18:45:42.000	175IH176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R7	4	1	3,599,454:70:0	
1794	96	250	18:45:42.600		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 2818.88 +/- 2	2R7	4	1	3,599,454:70:9	
1795	96	250	18:45:42.600		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *2818.88 +/- 1	2R7	4	1	3,599,454:70:9	
1796	**96**	**250**	**18:45:51.333**	**125DP4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R7**	**4**	**1**	**3,599,454:84:0**	
1797	96	250	18:45:51.333	125DP	NIMSINIT	GS	##### GROUP START INIT	4R7	4	1	3,599,454:84:0	
1798	96	250	18:45:56.666	428PK6A	6RCCLR			4R7	4	1	3,599,455:01:0	
1799	96	250	18:45:57.333	428PK6B	6RCSET	11		4R7	4	1	3,599,455:02:0	
1800	96	250	18:46:12.666	175TF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,599,455:25:0	
1801	96	250	18:46:12.666		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *3558.80 +/- 2	4R7	4	1	3,599,455:25:0	
1802	96	250	18:46:15.800		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *3569.80 +/- 2	4R7	4	1	3,599,455:29:7	
1803	96	250	18:46:16.666	175TF176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R7	4	1	3,599,455:31:0	
1804	96	250	18:46:17.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3569.92 +/- 2	4R7	4	1	3,599,455:31:9	
1805	96	250	18:46:17.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3569.92 +/- 2	4R7	4	1	3,599,455:31:9	
1806	96	250	18:46:17.333	117II11A	**CSMOS**	GE	***** GROUP END CSMOS	4R7	4	1	3,599,455:32:0	
1807	96	250	18:46:32.000	165IH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	1	3,599,455:54:0	
1808	96	250	18:46:32.666	165IH4B	7SCAN	NORM,238.57,-47.	Check S/P Position	4R7	4	1	3,599,455:55:0	
1809	96	250	18:46:34.000	428PL6A	6RCCLR			4R7	4	1	3,599,455:57:0	
1810	96	250	18:46:34.666	428PL6B	6RCSET	14		4R7	4	1	3,599,455:58:0	
1811	96	250	18:46:48.666	118IH	**SMOS**	GS		4R7	4	1	3,599,455:79:0	
1812	96	250	18:46:52.000	175II422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	4R7	4	1	3,599,455:84:0	
1813	96	250	18:46:52.000	125DP11A	NIMSINIT	GE	##### GROUP END INIT	4R7	4	1	3,599,455:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1814	**96**	**250**	**18:46:52.000**	**125DP4B**	**37MPT**	**1,1,1**	**Modify Parameter Table (affects scanning m**	**4R7**	**4**	**1**	**3,599,455:84:0**	
1815	96	250	18:46:52.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3578.06 +/- 2	4R7	4	1	3,599,455:84:0	
1816	96	250	18:46:53.400		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *3578.12 +/- 2	4R7	4	1	3,599,455:86:1	
1817	96	250	18:46:55.333	165IH4C	7VECT		Inert vect update UTC	4R7	4	1	3,599,455:89:0	
1818	96	250	18:46:56.000	165IH4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	4R7	4	1	3,599,455:90:0	
1819	96	250	18:46:58.000	175II176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R7	4	1	3,599,456:02:0	
1820	96	250	18:46:58.600		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 3642.14 +/- 2	4R7	4	1	3,599,456:02:9	
1821	96	250	18:46:58.600		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *3642.14 +/- 2	4R7	4	1	3,599,456:02:9	
1822	96	250	18:46:58.666	118IH110A111A4A	7STRP	0.0073,0.0,26,0,	Slew =2,2.5	4R7	4	1	3,599,456:03:0	
1823	**96**	**250**	**18:47:00.667**	**G2GNLIMBSC01+**		**-----START------**		**4R7**	**4**	**1**	**: :**	
1824	96	250	18:47:05.333	428PM6A	6RCCLR			4R7	4	1	3,599,456:13:0	
1825	96	250	18:47:06.000	428PM6B	6RCSET	11		4R7	4	1	3,599,456:14:0	
1826	96	250	18:47:07.333	165CL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	1	3,599,456:16:0	
1827	96	250	18:47:07.333	118IH11A	**SMOS**	GE		4R7	4	1	3,599,456:16:0	
1828	96	250	18:47:08.000	165CL4B	7SCAN	NORM,265.269997,	Check S/P Position	4R7	4	1	3,599,456:17:0	
1829	96	250	18:47:14.000	175TG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,599,456:26:0	
1830	96	250	18:47:14.000		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *4021.12 +/- 2	4R7	4	1	3,599,456:26:0	
1831	96	250	18:47:17.133		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4032.12 +/- 2	4R7	4	1	3,599,456:30:7	
1832	96	250	18:47:18.000	175TG176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R7	4	1	3,599,456:32:0	
1833	96	250	18:47:18.600		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4032.24 +/- 2	4R7	4	1	3,599,456:32:9	
1834	96	250	18:47:18.600		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4032.24 +/- 2	4R7	4	1	3,599,456:32:9	
1835	96	250	18:47:34.000	428PN6A	6RCCLR			4R7	4	1	3,599,456:56:0	
1836	96	250	18:47:34.666	428PN6B	6RCSET	12		4R7	4	1	3,599,456:57:0	
1837	96	250	18:47:51.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4039.91 +/- 2	4R7	4	1	3,599,456:82:0	
1838	96	250	18:47:51.333	175CA422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R7	4	1	3,599,456:82:0	
1839	96	250	18:47:52.733		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC *4039.97 +/- 2	4R7	4	1	3,599,456:84:1	
1840	96	250	18:47:56.666	175CA176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R7	4	1	3,599,456:90:0	
1841	96	250	18:47:56.733		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *4041.47 +/- 2	4R7	4	1	3,599,456:90:1	
1842	96	250	18:47:56.733		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 4041.47 +/- 2	4R7	4	1	3,599,456:90:1	
1843	**96**	**250**	**18:47:57.295**	**G2GNLIMBSC01+**	**NIMPBK**	**301DP**	**LIMB SCAN FOR ATMOSPHERE**	**4R7**	**4**	**1**	**: :**	
1844	96	250	18:49:27.333	428PO6A	6RCCLR			4R7	4	1	3,599,458:44:0	
1845	96	250	18:49:28.000	428PO6B	6RCSET	8		4R7	4	1	3,599,458:45:0	
1846	96	250	18:50:58.629	G2GNLIMBSC01+	**DESELC**	300DP	LIMB SCAN FOR ATMOSPHERE	4R7	4	1	: :	
1847	96	250	18:50:59.333		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *4201.96 +/- 2	4R7	4	1	3,599,460:00:0	
1848	96	250	18:50:59.333	175TH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R7	4	1	3,599,460:00:0	
1849	96	250	18:51:00.733		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4202.18 +/- 2	4R7	4	1	3,599,460:02:1	
1850	96	250	18:51:02.000	175TH176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R7	4	1	3,599,460:04:0	
1851	96	250	18:51:02.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4202.30 +/- 2	4R7	4	1	3,599,460:04:3	
1852	96	250	18:51:02.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4202.30 +/- 2	4R7	4	1	3,599,460:04:3	
1853	**96**	**250**	**18:51:03.333**	**G2GNLIMBSC01+**		**-----STOP-------**		**4R7**	**4**	**1**	**: :**	
1854	96	250	18:51:06.666	165IJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R7	4	1	3,599,460:11:0	
1855	96	250	18:51:07.333	165IJ4B	7SCAN	NORM,253.327,-34	Check S/P Position	4R7	4	1	3,599,460:12:0	
1856	96	250	18:51:44.666	428PP6A	6RCCLR			4R7	4	1	3,599,460:68:0	
1857	96	250	18:51:45.333	428PP6B	6RCSET	14		4R7	4	1	3,599,460:69:0	
1858	96	250	18:52:04.000	117IJ	**CSMOS**	GS	***** GROUP START CSMOS	4R7	4	1	3,599,461:06:0	
1859	96	250	18:52:17.333	165IJ4C	7VECT		Inert vect update UTC	4R7	4	1	3,599,461:26:0	
1860	96	250	18:52:17.333	175IJ422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	4R7	4	1	3,599,461:26:0	
1861	96	250	18:52:17.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4219.91 +/- 2	4R7	4	1	3,599,461:26:0	
1862	96	250	18:52:18.000	165IJ4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	4R7	4	1	3,599,461:27:0	
1863	96	250	18:52:18.666	117IJ105A106A4A	7STRP	0.040021,0.10476	Slew =,7.01	4R7	4	1	3,599,461:28:0	
1864	96	250	18:52:18.733		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *4219.97 +/- 2	4R7	4	1	3,599,461:28:1	
1865	96	250	18:52:23.333	175IJ176A6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	4R7	4	1	3,599,461:35:0	
1866	96	250	18:52:23.933		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *4283.98 +/- 2	4R7	4	1	3,599,461:35:9	
1867	96	250	18:52:23.933		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 4283.98 +/- 2	4R7	4	1	3,599,461:35:9	
1868	96	250	18:52:42.000	428PQ6A	6RCCLR			4R7	4	1	3,599,461:63:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1869	96	250	18:52:42.666	428PQ6B	6RCSET	11		4R7	4	1	3,599,461:64:0	
1870	96	250	18:52:56.000	125DQ11A	NIMSINIT	GE	##### GROUP END INIT	4R7	4	1	3,599,461:84:0	
1871	**96**	**250**	**18:52:56.000**	**125DQ4A**	**37IST**	**0,2,0,OFF,0,1,2**	**Gain State 3**	**3R7**	**4**	**1**	**3,599,461:84:0**	
1872	96	250	18:52:56.000	125DQ	NIMSINIT	GS	##### GROUP START INIT	3R7	4	1	3,599,461:84:0	
1873	96	250	18:53:00.666		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *5187.97 +/- 2	3R7	4	1	3,599,462:00:0	
1874	96	250	18:53:00.666	175TI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R7	4	1	3,599,462:00:0	
1875	96	250	18:53:03.800		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *5198.97 +/- 3	3R7	4	1	3,599,462:04:7	
1876	96	250	18:53:04.666	175TI176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	3R7	4	1	3,599,462:06:0	
1877	96	250	18:53:05.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5199.09 +/- 3	3R7	4	1	3,599,462:06:9	
1878	96	250	18:53:05.266		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5199.09 +/- 3	3R7	4	1	3,599,462:06:9	
1879	**96**	**250**	**18:53:08.000**	**G2GNBRFRGR01-**		**-----START------**		**3R7**	**4**	**1**	**: :**	
1880	96	250	18:53:08.000	117IJ11A	**CSMOS**	GE	***** GROUP END CSMOS	3R7	4	1	3,599,462:11:0	
1881	96	250	18:53:25.333	165DQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R7	4	1	3,599,462:37:0	
1882	96	250	18:53:26.000	165DQ4B	7SCAN	NORM,274.790997,	Check S/P Position	3R7	4	1	3,599,462:38:0	
1883	**96**	**250**	**18:53:56.666**	**127DQ4A**	**37IOP**	**1,0**	**Full Map, Grating Start Position =00**	**3R1**	**4**	**0**	**3,599,462:84:0**	
1884	96	250	18:53:56.666	127DQ	NIMSTAB	GS	%%%%% GROUP START TAB	3R1	4	0	3,599,462:84:0	
1885	**96**	**250**	**18:53:57.333**	**127DQ4B**	**37ETB**	**04,C4,1B,FF,FF**	**Loads wavelength edit table**	**3R1**	**4**	**0**	**3,599,462:85:0**	
1886	96	250	18:54:00.666	428PR6A	6RCCLR			3R1	4	0	3,599,462:90:0	
1887	96	250	18:54:01.333	428PR6B	6RCSET	12		3R1	4	0	3,599,463:00:0	
1888	96	250	18:54:05.333	127DQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R1	4	0	3,599,463:06:0	
1889	96	250	18:54:52.666	117DQ	**CSMOS**	GS	***** GROUP START CSMOS	3R1	4	0	3,599,463:77:0	
1890	96	250	18:54:53.333		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5224.42 +/- 3	3R1	4	0	3,599,463:78:0	
1891	96	250	18:54:53.333	175DQ422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	3R1	4	0	3,599,463:78:0	
1892	96	250	18:54:54.733		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC *5224.48 +/- 3	3R1	4	0	3,599,463:80:1	
1893	96	250	18:54:58.666	175DQ176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R1	4	0	3,599,463:86:0	
1894	96	250	18:54:58.733		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *5225.98 +/- 3	3R1	4	0	3,599,463:86:1	
1895	96	250	18:54:58.733		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 5225.98 +/- 3	3R1	4	0	3,599,463:86:1	
1896	96	250	18:55:00.666	165DQ4C	7VECT		Inert vect update UTC	3R1	4	0	3,599,463:89:0	
1897	96	250	18:55:01.333	165DQ4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R1	4	0	3,599,463:90:0	
1898	**96**	**250**	**18:55:01.961**	**G2GNBRFRGR01-**	**NIMPBK**	**301DQ**	**BRIGHT FROST AND GROOVE TERRAIN**	**3R1**	**4**	**0**	**: :**	
1899	96	250	18:55:02.000	117DQ105A106A4A	7STRP	-0.00955,0.0,0,0	Slew =,0.06	3R1	4	0	3,599,464:00:0	
1900	96	250	18:56:20.666	428PS6A	6RCCLR			3R1	4	0	3,599,465:27:0	
1901	96	250	18:56:21.333	428PS6B	6RCSET	8		3R1	4	0	3,599,465:28:0	
1902	96	250	18:57:42.628	G2GNBRFRGR01-	**DESELC**	300DQ	BRIGHT FROST AND GROOVE TERRAIN	3R1	4	0	: :	
1903	96	250	18:57:42.666	117DQ11A	**CSMOS**	GE	***** GROUP END CSMOS	3R1	4	0	3,599,466:59:0	
1904	96	250	18:57:44.000	175TJ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R1	4	0	3,599,466:61:0	
1905	96	250	18:57:44.000		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *5371.23 +/- 3	3R1	4	0	3,599,466:61:0	
1906	96	250	18:57:45.400		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *5371.45 +/- 3	3R1	4	0	3,599,466:63:1	
1907	96	250	18:57:46.666	175TJ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	3R1	4	0	3,599,466:65:0	
1908	96	250	18:57:46.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5371.57 +/- 3	3R1	4	0	3,599,466:65:3	
1909	96	250	18:57:46.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5371.57 +/- 3	3R1	4	0	3,599,466:65:3	
1910	96	250	18:59:03.333	165CM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R1	4	0	3,599,467:89:0	
1911	96	250	18:59:04.000	165CM4B	7SCAN	NORM,34.389,-82.	Check S/P Position	3R1	4	0	3,599,467:90:0	
1912	**96**	**250**	**18:59:08.667**	**G2GNBRFRGR01-**		**-----STOP-------**		**3R1**	**4**	**0**	**: :**	
1913	96	250	19:11:15.333	165GL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R1	4	0	3,599,480:04:0	
1914	96	250	19:11:16.000	165GL4B	7SCAN	NORM,67.235999,-	Check S/P Position	3R1	4	0	3,599,480:05:0	
1915	96	250	19:12:13.333	428PT6A	6RCCLR			3R1	4	0	3,599,481:00:0	
1916	96	250	19:12:17.333	117GL	**CSMOS**	GS	***** GROUP START CSMOS	3R1	4	0	3,599,481:06:0	
1917	96	250	19:12:35.333	165GL4C	7VECT		Inert vect update UTC	3R1	4	0	3,599,481:33:0	
1918	96	250	19:12:36.000	165GL4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R1	4	0	3,599,481:34:0	
1919	96	250	19:12:36.666	117GL105A106A4A	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,481:35:0	
1920	96	250	19:13:04.000	117GL105A106A4B	7STRP	0.045531,-0.003,	Slew =17.44	3R1	4	0	3,599,481:76:0	
1921	96	250	19:13:10.000	117GL105A106A4C	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,481:85:0	
1922	96	250	19:13:37.333	117GL105A106A4D	7STRP	0.045531,-0.003,	Slew =17.44	3R1	4	0	3,599,482:35:0	
1923	96	250	19:13:43.333	117GL105A106A4E	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,482:44:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1924	96	250	19:14:10.666	117GL105A106A4F	7STRP	0.045531,-0.003,	Slew =17.44	3R1	4	0	3,599,482	85:0
1925	96	250	19:14:16.666	117GL105A106A4G	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,483	03:0
1926	96	250	19:14:44.000	117GL105A106A4H	7STRP	0.045531,-0.003,	Slew =17.44	3R1	4	0	3,599,483	44:0
1927	96	250	19:14:50.000	117GL105A106A4I	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,483	53:0
1928	96	250	19:15:17.333	117GL105A106A4J	7STRP	0.045531,-0.003,	Slew =17.44	3R1	4	0	3,599,484	03:0
1929	96	250	19:15:23.333	117GL105A106A4K	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,484	12:0
1930	96	250	19:15:50.666	117GL105A106A4L	7STRP	0.045531,-0.003,	Slew =17.44	3R1	4	0	3,599,484	53:0
1931	96	250	19:15:56.666	117GL105A106A4M	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,484	62:0
1932	96	250	19:16:24.000	117GL105A106A4N	7STRP	0.045531,-0.003,	Slew =17.44	3R1	4	0	3,599,485	12:0
1933	96	250	19:16:30.000	117GL105A106A4O	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,485	21:0
1934	96	250	19:16:57.333	117GL105A106A4P	7STRP	0.045531,-0.003,	Slew =17.44	3R1	4	0	3,599,485	62:0
1935	96	250	19:17:03.333	117GL105A106A4Q	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,485	71:0
1936	96	250	19:17:30.666	117GL105A106A4R	7STRP	0.045531,-0.003,	Slew =17.44	3R1	4	0	3,599,486	21:0
1937	96	250	19:17:36.666	117GL105A106A4S	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,486	30:0
1938	96	250	19:18:04.000	117GL105A106A4T	7STRP	0.045531,-0.003,	Slew =17.44	3R1	4	0	3,599,486	71:0
1939	96	250	19:18:10.000	117GL105A106A4U	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,486	80:0
1940	96	250	19:18:37.333	117GL105A106A4V	7STRP	0.045531,-0.003,	Slew =17.44	3R1	4	0	3,599,487	30:0
1941	96	250	19:18:43.333	117GL105A106A4W	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,487	39:0
1942	96	250	19:19:10.666	117GL105A106A4X	7STRP	0.045531,-0.003,	Slew =17.44	3R1	4	0	3,599,487	80:0
1943	96	250	19:19:16.666	117GL105A106A4Y	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,487	89:0
1944	96	250	19:19:44.000	117GL105A106A4Z	7STRP	0.045531,-0.003,	Slew =17.44	3R1	4	0	3,599,488	39:0
1945	96	250	19:19:50.000	117GL105A106A4AA	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,488	48:0
1946	96	250	19:20:17.333	117GL105A106A4AB	7STRP	0.045531,-0.003,	Slew =17.44	3R1	4	0	3,599,488	89:0
1947	96	250	19:20:23.333	117GL105A106A4AC	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,489	07:0
1948	96	250	19:20:50.666	117GL105A106A4AD	7STRP	0.045531,-0.003,	Slew =17.44	3R1	4	0	3,599,489	48:0
1949	96	250	19:20:56.666	117GL105A106A4AE	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,489	57:0
1950	96	250	19:21:24.000	117GL105A106A4AF	7STRP	0.045531,-0.003,	Slew =17.44	3R1	4	0	3,599,490	07:0
1951	96	250	19:21:30.000	117GL105A106A4AG	7STRP	-0.04503,0.0,0,0	Slew =,2.01	3R1	4	0	3,599,490	16:0
1952	96	250	19:21:57.333	117GL11A	**CSMOS**	GE	***** GROUP END CSMOS	3R1	4	0	3,599,490	57:0
1953	96	250	19:24:20.000	165GA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R1	4	0	3,599,492	89:0
1954	96	250	19:24:20.666	165GA4B	7SCAN	NORM,78.639999,5	Check S/P Position	3R1	4	0	3,599,492	90:0
1955	96	250	19:24:21.333	432MZ6A	6RTSL1		R/T Select of DDS and	3R1	4	0	3,599,493	00:0
1956	96	250	19:25:12.666	117GA	**CSMOS**	GS	***** GROUP START CSMOS	3R1	4	0	3,599,493	77:0
1957	96	250	19:25:20.666	165GA4C	7VECT		Inert vect update UTC	3R1	4	0	3,599,493	89:0
1958	96	250	19:25:21.333	165GA4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R1	4	0	3,599,493	90:0
1959	96	250	19:25:22.000	117GA105A106A4A	7STRP	0.025405,0.0,0,0	Slew =,0.31	3R1	4	0	3,599,494	00:0
1960	96	250	19:26:47.333	117GA105A106A4B	7STRP	-0.024205,-0.000	Slew =12.01	3R1	4	0	3,599,495	37:0
1961	96	250	19:26:52.666	117GA105A106A4C	7STRP	0.025405,0.0,0,0	Slew =,0.31	3R1	4	0	3,599,495	45:0
1962	96	250	19:28:18.000	117GA105A106A4D	7STRP	-0.024205,-0.000	Slew =12.01	3R1	4	0	3,599,496	82:0
1963	96	250	19:28:22.000	432FA431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	3R1	4	0	3,599,496	88:0
1964	96	250	19:28:22.666	432FA6A	6RTSL1		R/T Select of DDS and	3R1	4	0	3,599,496	89:0
1965	96	250	19:28:23.333	117GA105A106A4E	7STRP	0.025405,0.0,0,0	Slew =,0.31	3R1	4	0	3,599,496	90:0
1966	96	250	19:28:24.000	432FB431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	3R1	4	0	3,599,497	00:0
1967	96	250	19:28:24.666	432FB6A	6RTSL1		R/T Select of DDS and	3R1	4	0	3,599,497	01:0
1968	96	250	19:28:26.000	175TJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R1	4	0	3,599,497	03:0
1969	96	250	19:28:26.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5802.61 +/- 3	3R1	4	0	3,599,497	03:0
1970	96	250	19:28:32.000	282NH431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	3R1	4	0	3,599,497	12:0
1971	96	250	19:29:20.666	282NH432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	3R1	4	0	3,599,497	85:0
1972	96	250	19:29:21.333	282NH432A6A	6RTSL1		R/T Select of DDS and	3R1	4	0	3,599,497	86:0
1973	96	250	19:29:48.666	117GA105A106A4F	7STRP	-0.024205,-0.000	Slew =12.01	3R1	4	0	3,599,498	36:0
1974	96	250	19:29:54.000	117GA105A106A4G	7STRP	0.025405,0.0,0,0	Slew =,0.31	3R1	4	0	3,599,498	44:0
1975	96	250	19:31:19.333	117GA105A106A4H	7STRP	-0.024205,-0.000	Slew =12.01	3R1	4	0	3,599,499	81:0
1976	96	250	19:31:24.666	117GA105A106A4I	7STRP	0.025405,0.0,0,0	Slew =,0.31	3R1	4	0	3,599,499	89:0
1977	96	250	19:32:50.000	117GA105A106A4J	7STRP	-0.024205,-0.000	Slew =12.01	3R1	4	0	3,599,501	35:0
1978	96	250	19:32:55.333	117GA105A106A4K	7STRP	0.025405,0.0,0,0	Slew =,0.31	3R1	4	0	3,599,501	43:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1979	96	250	19:34:20.666	117GA105A106A4L	7STRP	-0.024205,-0.000	Slew =12.01	3R1	4	0	3,599,502:80:0	
1980	96	250	19:34:26.000	117GA105A106A4M	7STRP	0.025405,0.0,0,0	Slew =,0.31	3R1	4	0	3,599,502:88:0	
1981	96	250	19:35:51.333	117GA105A106A4N	7STRP	-0.024205,-0.000	Slew =12.01	3R1	4	0	3,599,504:34:0	
1982	96	250	19:35:56.666	117GA105A106A4O	7STRP	0.025405,0.0,0,0	Slew =,0.31	3R1	4	0	3,599,504:42:0	
1983	96	250	19:37:22.000	117GA105A106A4P	7STRP	-0.024205,-0.000	Slew =12.01	3R1	4	0	3,599,505:79:0	
1984	96	250	19:37:27.333	117GA105A106A4Q	7STRP	0.025405,0.0,0,0	Slew =,0.31	3R1	4	0	3,599,505:87:0	
1985	96	250	19:38:52.666	117GA105A106A4R	7STRP	-0.024205,-0.000	Slew =12.01	3R1	4	0	3,599,507:33:0	
1986	96	250	19:38:58.000	117GA105A106A4S	7STRP	0.025405,0.0,0,0	Slew =,0.31	3R1	4	0	3,599,507:41:0	
1987	96	250	19:40:23.333	117GA105A106A4T	7STRP	-0.024205,-0.000	Slew =12.01	3R1	4	0	3,599,508:78:0	
1988	96	250	19:40:28.666	117GA105A106A4U	7STRP	0.025405,0.0,0,0	Slew =,0.31	3R1	4	0	3,599,508:86:0	
1989	96	250	19:41:54.000	117GA105A106A4V	7STRP	-0.024205,-0.000	Slew =12.01	3R1	4	0	3,599,510:32:0	
1990	96	250	19:41:59.333	117GA105A106A4W	7STRP	0.025405,0.0,0,0	Slew =,0.31	3R1	4	0	3,599,510:40:0	
1991	96	250	19:43:24.666	117GA105A106A4X	7STRP	-0.024205,-0.000	Slew =12.01	3R1	4	0	3,599,511:77:0	
1992	96	250	19:43:30.000	117GA105A106A4Y	7STRP	0.025405,0.0,0,0	Slew =,0.31	3R1	4	0	3,599,511:85:0	
1993	96	250	19:44:55.333	117GA105A106A4Z	7STRP	-0.024205,-0.000	Slew =12.01	3R1	4	0	3,599,513:31:0	
1994	96	250	19:45:00.666	117GA105A106A4AA	7STRP	0.025405,0.0,0,0	Slew =,0.31	3R1	4	0	3,599,513:39:0	
1995	96	250	19:46:26.000	117GA105A106A4AB	7STRP	-0.024205,-0.000	Slew =12.01	3R1	4	0	3,599,514:76:0	
1996	96	250	19:46:31.333	117GA105A106A4AC	7STRP	0.025405,0.0,0,0	Slew =,0.31	3R1	4	0	3,599,514:84:0	
1997	96	250	19:47:56.666	117GA11A	**CSMOS**	GE	***** GROUP END CSMOS	3R1	4	0	3,599,516:30:0	
1998	**96**	**250**	**19:49:58.666**	**432SB6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**3R1**	**4**	**0**	**3,599,518:31:0**	
1999	96	250	19:50:36.666	488V6D	6TMSED	FILL,EL3	Sci, Eng, and D/L Chan	3R1	4	0	3,599,518:88:0	
2000	96	250	19:53:31.333	175KG422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	3R1	4	0	3,599,521:77:0	
2001	96	250	19:53:39.400		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC *5804.07 +/- 3	3R1	4	0	3,599,521:89:1	
2002	96	250	19:53:43.333	175KG176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R1	4	0	3,599,522:04:0	
2003	96	250	19:53:43.400		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *5805.57 +/- 3	3R1	4	0	3,599,522:04:1	
2004	96	250	19:53:43.400		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 5805.57 +/- 3	3R1	4	0	3,599,522:04:1	
2005	96	250	19:53:44.666	411AA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R1	4	0	3,599,522:06:0	
2006	96	250	19:53:44.666		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *5806.68 +/- 3	3R1	4	0	3,599,522:06:0	
2007	96	250	19:53:46.066		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *5806.90 +/- 3	3R1	4	0	3,599,522:08:1	
2008	96	250	19:53:47.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5807.02 +/- 3	3R1	4	0	3,599,522:10:3	
2009	96	250	19:53:47.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5807.02 +/- 3	3R1	4	0	3,599,522:10:3	
2010	96	250	19:53:48.000	411AA6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	3R1	4	0	3,599,522:11:0	
2011	96	250	19:55:49.333	411AA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	3R1	4	0	3,599,524:11:0	
2012	96	250	19:55:50.000	411AA6D	6DMSC	RDY,0	DMS Control Tape stop	3R1	4	0	3,599,524:12:0	
2013	96	250	19:55:50.000		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5835.72 +/- 3	3R1	4	0	3,599,524:12:0	
2014	96	250	19:56:47.333	41VB99A	**POWER**	**PWR MODE change**	Change to Maneuver Mode	3R1	4	0	3,599,525:07:0	
2015	**96**	**250**	**19:56:51.333**	**41VB3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**3R1**	**4**	**0**	**3,599,525:13:0**	
2016	**96**	**250**	**19:57:01.333**	**41VB3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**3R1**	**4**	**0**	**3,599,525:28:0**	
2017	**96**	**250**	**19:59:11.333**	**41VB3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**3R1**	**4**	**0**	**3,599,527:41:0**	
2018	**96**	**250**	**19:59:21.333**	**41VB3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**3R1**	**4**	**0**	**3,599,527:56:0**	
2019	**96**	**250**	**19:59:31.333**	**41VB3I**	**40T2**	**1**	**PCT Heater 2 ON**	**3R1**	**4**	**0**	**3,599,527:71:0**	
2020	**96**	**250**	**19:59:41.333**	**41VB3J**	**40T2**	**2**	**PCT Heater 2 ON**	**3R1**	**4**	**0**	**3,599,527:86:0**	
2021	96	250	20:11:55.333	490UA412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	3R1	4	0	3,599,540:04:0	
2022	96	250	20:16:53.333	490UA412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	3R1	4	0	3,599,544:87:0	
2023	**96**	**250**	**20:19:00.000**	**432SC6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**3R1**	**4**	**0**	**3,599,547:04:0**	
2024	96	250	20:21:03.333	490UA412A4E	7VECT		Inert vect update UTC	3R1	4	0	3,599,549:07:0	
2025	96	250	20:21:07.333	490UA412A4F	7TURN	1,RTH	ALERT Thruster	3R1	4	0	3,599,549:13:0	
2026	96	250	20:24:55.333	490UA412A406A4A	7STAR	1,632,104.165,-2	Star catalog update	3R1	4	0	3,599,552:82:0	
2027	96	250	20:24:57.333	490UA412A406A4B	7STAR	2,183,84.459,-34	Star catalog update	3R1	4	0	3,599,552:85:0	
2028	96	250	20:24:59.333	490UA412A406A4C	7STAR	3,184,2.664,14.9	Star catalog update	3R1	4	0	3,599,552:88:0	
2029	96	250	20:25:01.333	490UA412A406A4D	7STAR	4,530,309.931,45	Star catalog update	3R1	4	0	3,599,553:00:0	
2030	96	250	20:25:03.333	490UA412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	3R1	4	0	3,599,553:03:0	
2031	96	250	20:25:05.333	490UA412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	3R1	4	0	3,599,553:06:0	
2032	96	250	21:00:52.666	432OG431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	3R1	4	0	3,599,588:42:0	
2033	96	250	21:00:53.333	432OG6A	6RTSL1		R/T Select of DDS and	3R1	4	0	3,599,588:43:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2034	96	250	21:02:00.000	41WC99A	**POWER**	**PWR MODE change**	Change to Data Taking Mode	3R1	4	0	3,599,589:52:0	
2035	**96**	**250**	**21:02:04.000**	**41WC3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**3R1**	**4**	**0**	**3,599,589:58:0**	
2036	**96**	**250**	**21:02:14.000**	**41WC3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**3R1**	**4**	**0**	**3,599,589:73:0**	
2037	**96**	**250**	**21:02:24.000**	**41WC3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**3R1**	**4**	**0**	**3,599,589:88:0**	
2038	**96**	**250**	**21:02:34.000**	**41WC3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**3R1**	**4**	**0**	**3,599,590:12:0**	
2039	**96**	**250**	**21:02:44.000**	**41WC3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**3R1**	**4**	**0**	**3,599,590:27:0**	
2040	**96**	**250**	**21:02:54.000**	**41WC3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**3R1**	**4**	**0**	**3,599,590:42:0**	
2041	96	250	21:12:26.000	465KA6A	6DTRN	CMD,6DTRN,465KA6	DMS TRACK TURNAROUND	3R1	4	0	3,599,599:81:0	
2042	**96**	**250**	**21:16:39.333**	**G2NNMMRYLD01**		**-----START------**		**3R1**	**4**	**0**	**: :**	
2043	**96**	**250**	**21:17:40.000**	**20EB5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**3R1**	**4**	**0**	**3,599,605:06:0**	
2044	**96**	**250**	**21:18:40.666**	**20EB5B**	**37MRL**		**Memory Realocate (software operates from R**	**3R1**	**4**	**0**	**3,599,606:06:0**	
2045	**96**	**250**	**21:19:41.333**	**20EB6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**3R1**	**4**	**0**	**3,599,607:06:0**	
2046	**96**	**250**	**21:20:42.000**	**20EB6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**3R1**	**4**	**0**	**3,599,608:06:0**	
2047	**96**	**250**	**21:21:42.666**	**20EB6C**	**6CKSUM**	**NIMS**	**NIMS,1000,14B3**	**3R1**	**4**	**0**	**3,599,609:06:0**	
2048	**96**	**250**	**21:22:43.333**	**20EB5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,599,610:06:0**	
2049	**96**	**250**	**21:23:44.000**	**20EB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,599,611:06:0**	
2050	**96**	**250**	**21:24:44.666**	**20EB4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,599,612:06:0**	
2051	**96**	**250**	**21:25:45.333**	**G2NNMMRYLD01**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2052	96	250	21:35:57.333	165AN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,599,623:14:0	
2053	96	250	21:35:58.000	165AN4B	7SCAN	NORM,276.410999,	Check S/P Position	2R0	4	0	3,599,623:15:0	
2054	96	250	21:37:39.333	175AB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	3,599,624:76:0	
2055	96	250	21:37:47.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *6026.77 +/-	2R0	4	0	3,599,624:88:1	
2056	96	250	21:37:48.666	175AB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R0	4	0	3,599,624:90:0	
2057	96	250	21:37:48.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *6026.65 +/-	2R0	4	0	3,599,624:90:3	
2058	96	250	21:37:48.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 6026.65 +/-	2R0	4	0	3,599,624:90:3	
2059	96	250	21:38:40.666	117AC	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	3,599,625:77:0	
2060	96	250	21:38:48.666	165AN4C	7VECT		Inert vect update UTC	2R0	4	0	3,599,625:89:0	
2061	96	250	21:38:49.333	165AN4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R0	4	0	3,599,625:90:0	
2062	96	250	21:38:50.000	117AC105A106A4A	7STRP	0.161379,0.03004	Slew =,0.08	2R0	4	0	3,599,626:00:0	
2063	**96**	**250**	**22:06:58.600**	**432SD6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**2R0**	**4**	**0**	**3,599,653:76:0**	
2064	96	250	22:15:11.266	117AC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R0	4	0	3,599,661:87:0	
2065	96	250	22:15:12.600	165GB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,599,661:89:0	
2066	96	250	22:15:13.266	165GB4B	7SCAN	NORM,294.487,-23	Check S/P Position	2R0	4	0	3,599,661:90:0	
2067	96	250	22:15:23.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5498.12 +/-	2R0	4	0	3,599,662:15:0	
2068	96	250	22:15:23.933	175AB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,599,662:15:0	
2069	96	250	22:18:06.600	117GB	**CSMOS**	GS	***** GROUP START CSMOS	2R0	4	0	3,599,664:77:0	
2070	96	250	22:18:15.933	117GB105A106A4A	7STRP	0.0073,0.0,0,0,0	Slew =,0.04	2R0	4	0	3,599,665:00:0	
2071	96	250	22:21:22.600	117GB105A106A4B	7STRP	-0.0075,0.00135,	Slew =,2.66	2R0	4	0	3,599,668:07:0	
2072	96	250	22:21:29.933	117GB105A106A4C	7STRP	0.0073,0.0,0,0,0	Slew =,0.04	2R0	4	0	3,599,668:18:0	
2073	96	250	22:24:36.600	117GB105A106A4D	7STRP	-0.0075,0.00135,	Slew =,2.66	2R0	4	0	3,599,671:25:0	
2074	96	250	22:24:43.933	117GB105A106A4E	7STRP	0.0073,0.0,0,0,0	Slew =,0.04	2R0	4	0	3,599,671:36:0	
2075	96	250	22:27:50.600	117GB105A106A4F	7STRP	-0.0075,0.00135,	Slew =,2.66	2R0	4	0	3,599,674:43:0	
2076	96	250	22:27:57.933	117GB105A106A4G	7STRP	0.0073,0.0,0,0,0	Slew =,0.04	2R0	4	0	3,599,674:54:0	
2077	96	250	22:31:04.600	117GB105A106A4H	7STRP	-0.0075,0.00135,	Slew =,2.66	2R0	4	0	3,599,677:61:0	
2078	96	250	22:31:11.933	117GB105A106A4I	7STRP	0.0073,0.0,0,0,0	Slew =,0.04	2R0	4	0	3,599,677:72:0	
2079	**96**	**250**	**22:33:59.933**	**432SE6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**2R0**	**4**	**0**	**3,599,680:51:0**	
2080	96	250	22:34:18.600	117GB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R0	4	0	3,599,680:79:0	
2081	96	250	22:40:34.600	411AC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	3,599,687:06:0	
2082	96	250	22:40:42.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5499.46 +/-	2R0	4	0	3,599,687:18:1	
2083	96	250	22:40:44.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5499.34 +/-	2R0	4	0	3,599,687:20:3	
2084	96	250	22:40:44.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5499.34 +/-	2R0	4	0	3,599,687:20:3	
2085	96	250	22:40:44.600	411AC6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R0	4	0	3,599,687:21:0	
2086	96	250	22:42:45.933	411AC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R0	4	0	3,599,689:21:0	
2087	96	250	22:42:48.600	175TL176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R0	4	0	3,599,689:25:0	
2088	96	250	22:42:49.266	175TL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	3,599,689:26:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2089	96	250	22:42:55.933	175TL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,599,689:36:0	
2090	96	250	22:42:55.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5468.45 +/-	2R0	4	0	3,599,689:36:0	
2091	**96**	**250**	**22:46:38.666**	**G2INCHEMIS01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2092	96	250	22:47:33.933	165DR4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,599,693:89:0	
2093	96	250	22:47:34.600	165DR4B	7SCAN	NORM,294.704998,	Check S/P Position	2R0	4	0	3,599,693:90:0	
2094	96	250	22:48:31.266	125DR	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	3,599,694:84:0	
2095	**96**	**250**	**22:48:31.266**	**125DR4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**3,599,694:84:0**	
2096	96	250	22:48:31.266	125DR11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	3,599,694:84:0	
2097	**96**	**250**	**22:49:31.933**	**127DR4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,599,695:84:0**	
2098	96	250	22:49:31.933	127DR	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,599,695:84:0	
2099	**96**	**250**	**22:49:32.600**	**127DR4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,599,695:85:0**	
2100	96	250	22:49:40.600	127DR11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,599,696:06:0	
2101	96	250	22:50:21.933	175DR422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	3,599,696:68:0	
2102	96	250	22:50:27.933	117DR	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,599,696:77:0	
2103	96	250	22:50:30.000		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *5469.78 +/-	2R3	4	0	3,599,696:80:1	
2104	96	250	22:50:33.933	175DR176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	3,599,696:86:0	
2105	96	250	22:50:34.000		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 5468.28 +/-	2R3	4	0	3,599,696:86:1	
2106	96	250	22:50:34.000		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *5468.28 +/-	2R3	4	0	3,599,696:86:1	
2107	96	250	22:50:37.266	117DR105A106A4A	7STRP	0.00592,0.0,0,0,	Slew =,0.03	2R3	4	0	3,599,697:00:0	
2108	**96**	**250**	**22:50:37.287**	**G2INCHEMIS01-**	**NIMPBK**	**301DR**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
2109	96	250	22:53:55.933	117DR11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,599,700:25:0	
2110	96	250	22:53:55.954	G2INCHEMIS01-	**DESELC**	300DR	MONITORING OF IO'S DAYSIDE	2R3	4	0	: :	
2111	96	250	22:53:57.266	175DR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,599,700:27:0	
2112	96	250	22:53:57.266		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *5289.63 +/-	2R3	4	0	3,599,700:27:0	
2113	96	250	22:53:59.933	41VC99A	**POWER**	**PWR MODE change**	Change to Maneuver Mode	2R3	4	0	3,599,700:31:0	
2114	**96**	**250**	**22:54:00.000**	**G2INCHEMIS01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2115	**96**	**250**	**22:54:03.933**	**41VC3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**2R3**	**4**	**0**	**3,599,700:37:0**	
2116	**96**	**250**	**22:54:13.933**	**41VC3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**2R3**	**4**	**0**	**3,599,700:52:0**	
2117	**96**	**250**	**22:56:23.933**	**41VC3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**2R3**	**4**	**0**	**3,599,702:65:0**	
2118	**96**	**250**	**22:56:33.933**	**41VC3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**2R3**	**4**	**0**	**3,599,702:80:0**	
2119	**96**	**250**	**22:56:43.933**	**41VC3I**	**40T2**	**1**	**PCT Heater 2 ON**	**2R3**	**4**	**0**	**3,599,703:04:0**	
2120	**96**	**250**	**22:56:53.933**	**41VC3J**	**40T2**	**2**	**PCT Heater 2 ON**	**2R3**	**4**	**0**	**3,599,703:19:0**	
2121	96	250	23:09:01.933	490A412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	2R3	4	0	3,599,715:19:0	
2122	96	250	23:13:59.933	490A412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R3	4	0	3,599,720:11:0	
2123	96	250	23:18:09.933	490A412A4E	7VECT		Inert vect update UTC	2R3	4	0	3,599,724:22:0	
2124	96	250	23:18:13.933	490A412A4F	7TURN	1,RTH	ALERT Thruster	2R3	4	0	3,599,724:28:0	
2125	96	250	23:22:01.933	490A412A406A4A	7STAR	1,3000,95.710999	Star catalog update	2R3	4	0	3,599,728:06:0	
2126	96	250	23:22:03.933	490A412A406A4B	7STAR	2,293,1.451,28.8	Star catalog update	2R3	4	0	3,599,728:09:0	
2127	96	250	23:22:05.933	490A412A406A4C	7STAR	3,131,322.01	Star catalog update	2R3	4	0	3,599,728:12:0	
2128	96	250	23:22:07.933	490A412A406A4D	7STAR	4,142,193.42	Star catalog update	2R3	4	0	3,599,728:15:0	
2129	96	250	23:22:09.933	490A412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	2R3	4	0	3,599,728:18:0	
2130	96	250	23:22:11.933	490A412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	2R3	4	0	3,599,728:21:0	
2131	96	251	00:35:25.266	488W6A	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	2R3	4	0	3,599,800:59:0	
2132	96	251	00:37:17.266	432OI431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R3	4	0	3,599,802:45:0	
2133	96	251	00:37:17.933	432OI6A	6RTSL1		R/T Select of DDS and	2R3	4	0	3,599,802:46:0	
2134	96	251	01:01:52.600	488W6B	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2R3	4	0	3,599,826:74:0	
2135	96	251	01:01:59.933	41WD99A	**POWER**	**PWR MODE change**	Change to Data Taking Mode	2R3	4	0	3,599,826:85:0	
2136	**96**	**251**	**01:02:03.933**	**41WD3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**2R3**	**4**	**0**	**3,599,827:00:0**	
2137	**96**	**251**	**01:02:13.933**	**41WD3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**2R3**	**4**	**0**	**3,599,827:15:0**	
2138	**96**	**251**	**01:02:23.933**	**41WD3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**2R3**	**4**	**0**	**3,599,827:30:0**	
2139	**96**	**251**	**01:02:33.933**	**41WD3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**2R3**	**4**	**0**	**3,599,827:45:0**	
2140	**96**	**251**	**01:02:43.933**	**41WD3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**2R3**	**4**	**0**	**3,599,827:60:0**	
2141	**96**	**251**	**01:02:53.933**	**41WD3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**2R3**	**4**	**0**	**3,599,827:75:0**	
2142	96	251	01:36:25.266	165IM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,599,860:89:0	
2143	96	251	01:36:25.933	165IM4B	7SCAN	NORM,293.098,-24	Check S/P Position	2R3	4	0	3,599,860:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2144	96	251	01:40:27.933	165IM4C	7VECT		Inert vect update UTC	2R3	4	0	3,599,864:89:0	
2145	96	251	01:40:28.600	165IM4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,599,864:90:0	
2146	96	251	01:41:09.933	175IM422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	3,599,865:61:0	
2147	96	251	01:41:18.000		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *5290.80 +/-	2R3	4	0	3,599,865:73:1	
2148	96	251	01:41:22.600	176IM6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,599,865:80:0	
2149	96	251	01:41:23.200		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *5226.79 +/-	2R3	4	0	3,599,865:80:9	
2150	96	251	01:41:23.200		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 5226.79 +/- 1	2R3	4	0	3,599,865:80:9	
2151	96	251	01:41:29.933	176IN6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	2R3	4	0	3,599,866:00:0	
2152	96	251	01:41:37.266	175IM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,599,866:11:0	
2153	96	251	01:41:37.266		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *4880.61 +/- 1	2R3	4	0	3,599,866:11:0	
2154	**96**	**251**	**01:43:58.600**	**G2INCHEMIS02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2155	96	251	01:43:58.600	165DT4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,599,868:41:0	
2156	96	251	01:43:59.266	165DT4B	7SCAN	NORM,292.735996,	Check S/P Position	2R3	4	0	3,599,868:42:0	
2157	**96**	**251**	**01:45:27.933**	**125DT4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**3,599,869:84:0**	
2158	96	251	01:45:27.933	125DT	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,599,869:84:0	
2159	96	251	01:45:27.933	125DT11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,599,869:84:0	
2160	96	251	01:46:28.600	127DT	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,599,870:84:0	
2161	**96**	**251**	**01:46:28.600**	**127DT4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,599,870:84:0**	
2162	**96**	**251**	**01:46:29.266**	**127DT4B**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,599,870:85:0**	
2163	96	251	01:46:37.266	127DT11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,599,871:06:0	
2164	96	251	01:46:51.933	175DT422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,599,871:28:0	
2165	96	251	01:46:52.600	117DT	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,599,871:29:0	
2166	96	251	01:47:00.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4871.01 +/- 1	2R3	4	0	3,599,871:40:1	
2167	96	251	01:47:01.266	175DT176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,599,871:42:0	
2168	96	251	01:47:01.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4870.89 +/- 1	2R3	4	0	3,599,871:42:3	
2169	96	251	01:47:01.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4870.89 +/- 1	2R3	4	0	3,599,871:42:3	
2170	96	251	01:47:01.933	117DT105A106A4A	7STRP	-0.007,0.0,0,0,0	Slew =,0.03	2R3	4	0	3,599,871:43:0	
2171	**96**	**251**	**01:47:01.947**	**G2INCHEMIS02-**	**NIMPBK**	**301DT**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
2172	96	251	01:51:04.600	117DT11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,599,875:43:0	
2173	96	251	01:51:04.613	G2INCHEMIS02-	**DESELC**	300DT	MONITORING OF IO'S DAYSIDE	2R3	4	0	: :	
2174	96	251	01:51:15.933	175DT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,599,875:60:0	
2175	96	251	01:51:15.933	175DT6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,599,875:60:0	
2176	96	251	01:51:15.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4811.25 +/- 1	2R3	4	0	3,599,875:60:0	
2177	**96**	**251**	**01:53:27.266**	**G2INCHEMIS02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2178	**96**	**251**	**02:50:19.333**	**G2HNDARK__03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2179	96	251	02:50:51.933	165DS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,599,934:55:0	
2180	96	251	02:50:52.600	165DS4B	7SCAN	NORM,291.024998,	Check S/P Position	2R3	4	0	3,599,934:56:0	
2181	96	251	02:54:13.266	127DS	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,599,937:84:0	
2182	**96**	**251**	**02:54:13.933**	**127DS4A**	**37ETB**	**07,C7,05,FF,FF,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,599,937:85:0**	
2183	96	251	02:54:21.933	127DS11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,599,938:06:0	
2184	96	251	02:55:05.933	175DS422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	3,599,938:72:0	
2185	**96**	**251**	**02:55:13.933**	**125DS4A**	**37IST**	**0,2,0,OFF,0,1,2**	**Gain State 3**	**3R3**	**4**	**0**	**3,599,938:84:0**	
2186	96	251	02:55:13.933	125DS	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	3,599,938:84:0	
2187	96	251	02:55:13.933	125DS11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,599,938:84:0	
2188	96	251	02:55:14.000		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *4812.58 +/- 1	3R3	4	0	3,599,938:84:1	
2189	96	251	02:55:17.933	175DS176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R3	4	0	3,599,938:90:0	
2190	96	251	02:55:18.000		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *4811.08 +/- 1	3R3	4	0	3,599,938:90:1	
2191	96	251	02:55:18.000		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 4811.08 +/- 1	3R3	4	0	3,599,938:90:1	
2192	**96**	**251**	**02:55:18.611**	**G2HNDARK 03-**	**NIMPBK**	**301DS**	**DARK SKY**	**3R3**	**4**	**0**	**: :**	
2193	96	251	02:56:19.278	G2HNDARK 03-	**DESELC**	300DS	DARK SKY	3R3	4	0	: :	
2194	96	251	02:56:25.933		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *4751.38 +/- 1	3R3	4	0	3,599,940:10:0	
2195	96	251	02:56:25.933	175DS422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,599,940:10:0	
2196	**96**	**251**	**02:57:23.999**	**G2HNDARK__03-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
2197	96	251	03:00:21.933	192GN4A	**7CONE**	**17.45,0.0**	Check S/P Position	3R3	4	0	3,599,944:00:0	
2198	96	251	03:39:44.600	488W6C	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	3R3	4	0	3,599,982:86:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2199	96	251	03:48:39.266	488W6D	6TMSED	FILL,EL3	Sci, Eng, and D/L Chan	3R3	4	0	3,599,991:69:0
2200	96	251	04:25:27.266	488W6E	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	3R3	4	0	3,600,028:14:0
2201	96	251	04:43:44.600	488X6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	3R3	4	0	3,600,046:22:0
2202	96	251	04:51:57.933	165GO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,600,054:34:0
2203	96	251	04:51:58.600	165GO4B	7SCAN	NORM,289.900997,	Check S/P Position	3R3	4	0	3,600,054:35:0
2204	96	251	04:55:41.933	117GO	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,600,058:06:0
2205	96	251	04:56:01.933	117GO105A106A4A	7STRP	0.009,0.0,0,0,0,	Slew =,0.06	3R3	4	0	3,600,058:36:0
2206	96	251	04:58:41.266	117GO105A106A4B	7STRP	-0.0086,0.0012,0	Slew =,4.01	3R3	4	0	3,600,061:02:0
2207	96	251	04:58:46.600	117GO105A106A4C	7STRP	0.009,0.0,0,0,0,	Slew =,0.06	3R3	4	0	3,600,061:10:0
2208	96	251	05:01:25.933	117GO105A106A4D	7STRP	-0.0086,0.0012,0	Slew =,4.01	3R3	4	0	3,600,063:67:0
2209	96	251	05:01:31.266	117GO105A106A4E	7STRP	0.009,0.0,0,0,0,	Slew =,0.06	3R3	4	0	3,600,063:75:0
2210	96	251	05:04:10.600	117GO105A106A4F	7STRP	-0.0086,0.0012,0	Slew =,4.01	3R3	4	0	3,600,066:41:0
2211	96	251	05:04:15.933	117GO105A106A4G	7STRP	0.009,0.0,0,0,0,	Slew =,0.06	3R3	4	0	3,600,066:49:0
2212	96	251	05:06:55.266	117GO105A106A4H	7STRP	-0.0086,0.0012,0	Slew =,4.01	3R3	4	0	3,600,069:15:0
2213	96	251	05:07:00.600	117GO105A106A4I	7STRP	0.009,0.0,0,0,0,	Slew =,0.06	3R3	4	0	3,600,069:23:0
2214	96	251	05:09:39.933	117GO105A106A4J	7STRP	-0.0086,0.0012,0	Slew =,4.01	3R3	4	0	3,600,071:80:0
2215	96	251	05:09:45.266	117GO105A106A4K	7STRP	0.009,0.0,0,0,0,	Slew =,0.06	3R3	4	0	3,600,071:88:0
2216	96	251	05:12:24.600	117GO105A106A4L	7STRP	-0.0086,0.0012,0	Slew =,4.01	3R3	4	0	3,600,074:54:0
2217	96	251	05:12:29.933	117GO105A106A4M	7STRP	0.009,0.0,0,0,0,	Slew =,0.06	3R3	4	0	3,600,074:62:0
2218	96	251	05:15:09.266	117GO105A106A4N	7STRP	-0.0086,0.0012,0	Slew =,4.01	3R3	4	0	3,600,077:28:0
2219	96	251	05:15:14.600	117GO105A106A4O	7STRP	0.009,0.0,0,0,0,	Slew =,0.06	3R3	4	0	3,600,077:36:0
2220	96	251	05:17:53.933	117GO11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,600,080:02:0
2221	**96**	**251**	**05:21:01.266**	**G2INHRSPEC01-**		**-----START------**		**3R3**	**4**	**0**	**: :**
2222	96	251	05:21:01.266	165DV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,600,083:10:0
2223	96	251	05:21:01.933	165DV4B	7SCAN	NORM,289.133999,	Check S/P Position	3R3	4	0	3,600,083:11:0
2224	**96**	**251**	**05:22:51.266**	**125DV4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,600,084:84:0**
2225	96	251	05:22:51.266	125DV11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,600,084:84:0
2226	96	251	05:22:51.266	125DV	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,600,084:84:0
2227	96	251	05:23:51.933	127DV	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,600,085:84:0
2228	96	251	05:23:51.933	175DV422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	3,600,085:84:0
2229	**96**	**251**	**05:23:51.933**	**127DV4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,600,085:84:0**
2230	**96**	**251**	**05:23:52.600**	**127DV4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,600,085:85:0**
2231	96	251	05:23:55.266	117DV	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,600,085:89:0
2232	96	251	05:24:00.000		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *4752.55 +/- 1	2R3	4	0	3,600,086:05:1
2233	96	251	05:24:00.600	127DV11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,600,086:06:0
2234	96	251	05:24:03.933	175DV176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	3,600,086:11:0
2235	96	251	05:24:04.000		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 4751.05 +/- 1	2R3	4	0	3,600,086:11:1
2236	96	251	05:24:04.000		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *4751.05 +/- 1	2R3	4	0	3,600,086:11:1
2237	96	251	05:24:04.600	117DV105A106A4A	7STRP	-0.0082,0.0,0,0,	Slew =,0.03	2R3	4	0	3,600,086:12:0
2238	**96**	**251**	**05:24:04.606**	**G2INHRSPEC01-**	**NIMPBK**	**301DV**	**HIGH SPAT. AND SPECT. OBS. OF IO**	**2R3**	**4**	**0**	**: :**
2239	96	251	05:28:47.266	117DV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,600,090:72:0
2240	96	251	05:28:47.272	G2INHRSPEC01-	**DESELC**	300DV	HIGH SPAT. AND SPECT. OBS. OF IO	2R3	4	0	: :
2241	96	251	05:28:51.266		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *4498.57 +/- 1	2R3	4	0	3,600,090:78:0
2242	96	251	05:28:51.266	175DV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,600,090:78:0
2243	**96**	**251**	**05:31:53.266**	**G2INHRSPEC01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2244	96	251	05:37:07.933	165GP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,600,099:04:0
2245	96	251	05:37:08.600	165GP4B	7SCAN	NORM,303.285999,	Check S/P Position	2R3	4	0	3,600,099:05:0
2246	96	251	05:39:06.600	411JC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,600,101:00:0
2247	96	251	05:39:14.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4499.74 +/- 2	2R3	4	0	3,600,101:12:1
2248	96	251	05:39:16.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4499.62 +/- 2	2R3	4	0	3,600,101:14:3
2249	96	251	05:39:16.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4499.62 +/- 2	2R3	4	0	3,600,101:14:3
2250	96	251	05:39:16.600	411JC6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	3,600,101:15:0
2251	96	251	05:41:02.600	117GP	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,600,102:83:0
2252	96	251	05:41:11.933	117GP105A106A4A	7STRP	-0.030009,0.1650	Slew =0,0.1	2R3	4	0	3,600,103:06:0
2253	96	251	05:41:17.933	411JC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,600,103:15:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2254	96	251	05:41:20.600	175TM176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,600,103:19:0	
2255	96	251	05:41:21.266	175TM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,600,103:20:0	
2256	96	251	05:41:27.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4468.73 +/- 2	2R3	4	0	3,600,103:30:0	
2257	96	251	05:41:27.933	175TM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,600,103:30:0	
2258	96	251	06:41:51.933	117GP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,600,163:06:0	
2259	96	251	08:02:39.933	165FA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,600,242:89:0	
2260	96	251	08:02:40.600	165FA4B	7SCAN	NORM,290.801998,	Check S/P Position	2R3	4	0	3,600,242:90:0	
2261	**96**	**251**	**08:02:45.266**	**G2INIOMON_01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2262	96	251	08:03:37.266	125FA	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,600,243:84:0	
2263	**96**	**251**	**08:03:37.266**	**125FA4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,600,243:84:0**	
2264	**96**	**251**	**08:04:37.933**	**125FA4B**	**37MB**	**1C,07,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**3,600,244:84:0**	
2265	96	251	08:04:37.933	125FA11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,600,244:84:0	
2266	**96**	**251**	**08:06:03.266**	**432DZ6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**3,600,246:30:0**	
2267	96	251	08:06:34.600	117FA	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,600,246:77:0	
2268	96	251	08:06:39.266	127FA	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,600,246:84:0	
2269	**96**	**251**	**08:06:39.266**	**127FA4A**	**37IOP**	**7,21**	**Fixed Map, Grating Start Position =21**	**2R7**	**4**	**21**	**3,600,246:84:0**	
2270	**96**	**251**	**08:06:39.933**	**127FA4B**	**37ETB**	**07,C7,19,2A,95,0**	**Loads wavelength edit table**	**2R7**	**4**	**21**	**3,600,246:85:0**	
2271	96	251	08:06:43.933	117FA105A106A4A	7STRP	0.003,0.0,0,0,0,	Slew =,0.76	2R7	4	21	3,600,247:00:0	
2272	96	251	08:06:47.933	127FA11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R7	4	21	3,600,247:06:0	
2273	96	251	08:06:51.933	117FA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R7	4	21	3,600,247:12:0	
2274	**96**	**251**	**08:07:02.600**	**432DY6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R7**	**4**	**21**	**3,600,247:28:0**	
2275	**96**	**251**	**08:09:41.266**	**125FB4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R7**	**4**	**21**	**3,600,249:84:0**	
2276	96	251	08:09:41.266	125FB	NIMSINIT	GS	##### GROUP START INIT	2R7	4	21	3,600,249:84:0	
2277	96	251	08:09:41.266	125FB11A	NIMSINIT	GE	##### GROUP END INIT	2R7	4	21	3,600,249:84:0	
2278	**96**	**251**	**08:09:49.932**	**G2INIOMON_01-**		**-----STOP-------**		**2R7**	**4**	**21**	**: :**	
2279	96	251	08:13:47.266	165IO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,600,253:89:0	
2280	96	251	08:13:47.933	165IO4B	7SCAN	NORM,323.591999,	Check S/P Position	2R7	4	21	3,600,253:90:0	
2281	96	251	08:17:43.266	118IO	**SMOS**	GS		2R7	4	21	3,600,257:79:0	
2282	96	251	08:17:49.933	165IO4C	7VECT		Inert vect update UTC	2R7	4	21	3,600,257:89:0	
2283	96	251	08:17:50.600	165IO4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R7	4	21	3,600,257:90:0	
2284	96	251	08:17:53.266	118IO110A111A4A	7STRP	0.00151,0.0,26,0	Slew =,0.76	2R7	4	21	3,600,258:03:0	
2285	96	251	08:18:06.600	175IO422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R7	4	21	3,600,258:23:0	
2286	96	251	08:18:14.666		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4470.07 +/- 2	2R7	4	21	3,600,258:35:1	
2287	96	251	08:18:18.600	175IO176A6A	6TMREC	HCA	115.2 KBPS IMAGE(1-200) RECORD Record Mod	2R7	4	21	3,600,258:41:0	
2288	96	251	08:18:18.666		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4463.80 +/- 2	2R7	4	21	3,600,258:41:1	
2289	96	251	08:18:18.666		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4463.80 +/- 2	2R7	4	21	3,600,258:41:1	
2290	96	251	08:18:19.266	118IO11A	**SMOS**	GE		2R7	4	21	3,600,258:42:0	
2291	96	251	08:18:26.600		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4435.91 +/- 2	2R7	4	21	3,600,258:53:0	
2292	96	251	08:18:26.600	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R7	4	21	3,600,258:53:0	
2293	**96**	**251**	**08:19:27.933**	**G2JNTHRMNS07-**		**-----START------**		**2R7**	**4**	**21**	**: :**	
2294	96	251	08:19:27.933	165DW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R7	4	21	3,600,259:54:0	
2295	96	251	08:19:28.600	165DW4B	7SCAN	NORM,318.445999,	Check S/P Position	2R7	4	21	3,600,259:55:0	
2296	**96**	**251**	**08:21:49.266**	**127DW4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,600,261:84:0**	
2297	96	251	08:21:49.266	127DW	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,600,261:84:0	
2298	**96**	**251**	**08:21:49.933**	**127DW4B**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,600,261:85:0**	
2299	96	251	08:21:57.933	127DW11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,600,262:06:0	
2300	96	251	08:23:21.933	175DW422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,600,263:41:0	
2301	96	251	08:23:22.600	117DW	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,600,263:42:0	
2302	96	251	08:23:30.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4436.39 +/- 2	2R3	4	0	3,600,263:53:1	
2303	96	251	08:23:31.266	175DW176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,600,263:55:0	
2304	96	251	08:23:31.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4436.27 +/- 2	2R3	4	0	3,600,263:55:3	
2305	96	251	08:23:31.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4436.27 +/- 2	2R3	4	0	3,600,263:55:3	
2306	**96**	**251**	**08:23:31.932**	**G2JNTHRMNS07-**	**NIMPBK**	**301DW**	**JUPITER THERMAL NORTH-SOUTH STRI**	**2R3**	**4**	**0**	**: :**	
2307	96	251	08:23:31.933	117DW105A106A4A	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,263:56:0	
2308	96	251	08:25:44.600	117DW105A106A4B	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,265:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2309	96	251	08:25:57.933	117DW105A106A4C	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,266:02:0	
2310	96	251	08:28:10.600	117DW105A106A4D	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,268:19:0	
2311	96	251	08:28:23.933	117DW105A106A4E	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,268:39:0	
2312	96	251	08:30:36.600	117DW105A106A4F	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,270:56:0	
2313	96	251	08:30:49.933	117DW105A106A4G	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,270:76:0	
2314	96	251	08:33:02.600	117DW105A106A4H	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,273:02:0	
2315	96	251	08:33:15.933	117DW105A106A4I	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,273:22:0	
2316	96	251	08:35:28.600	117DW105A106A4J	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,275:39:0	
2317	96	251	08:35:41.933	117DW105A106A4K	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,275:59:0	
2318	96	251	08:37:54.600	117DW105A106A4L	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,277:76:0	
2319	96	251	08:38:07.933	117DW105A106A4M	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,278:05:0	
2320	96	251	08:40:20.600	117DW105A106A4N	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,280:22:0	
2321	96	251	08:40:33.933	117DW105A106A4O	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,280:42:0	
2322	96	251	08:42:46.600	117DW105A106A4P	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,282:59:0	
2323	96	251	08:42:59.933	117DW105A106A4Q	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,282:79:0	
2324	96	251	08:45:12.600	117DW105A106A4R	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,285:05:0	
2325	96	251	08:45:25.933	117DW105A106A4S	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,285:25:0	
2326	96	251	08:47:38.600	117DW105A106A4T	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,287:42:0	
2327	96	251	08:47:51.933	117DW105A106A4U	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,287:62:0	
2328	96	251	08:50:04.600	117DW105A106A4V	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,289:79:0	
2329	96	251	08:50:17.933	117DW105A106A4W	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,290:08:0	
2330	96	251	08:51:49.265	G2JNTHRMNS07-	**DESELC**	300DW	JUPITER THERMAL NORTH-SOUTH STRI	2R3	4	0	: :	
2331	96	251	08:52:30.600	117DW105A106A4X	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,292:25:0	
2332	96	251	08:52:43.933	117DW105A106A4Y	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,292:45:0	
2333	96	251	08:54:56.600	117DW105A106A4Z	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,294:62:0	
2334	96	251	08:55:09.933	117DW105A106A4AA	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,294:82:0	
2335	96	251	08:57:22.600	117DW105A106A4AB	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,297:08:0	
2336	96	251	08:57:35.933	117DW105A106A4AC	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,297:28:0	
2337	96	251	08:59:48.600	117DW105A106A4AD	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,299:45:0	
2338	96	251	09:00:01.933	117DW105A106A4AE	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,299:65:0	
2339	96	251	09:02:14.600	117DW105A106A4AF	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,301:82:0	
2340	96	251	09:02:27.933	117DW105A106A4AG	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,302:11:0	
2341	96	251	09:04:40.600	117DW105A106A4AH	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,304:28:0	
2342	96	251	09:04:53.933	117DW105A106A4AI	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,304:48:0	
2343	96	251	09:07:06.600	117DW105A106A4AJ	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,306:65:0	
2344	96	251	09:07:19.933	117DW105A106A4AK	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,306:85:0	
2345	96	251	09:09:32.600	117DW105A106A4AL	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,309:11:0	
2346	96	251	09:09:45.933	117DW105A106A4AM	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,309:31:0	
2347	96	251	09:11:58.600	117DW105A106A4AN	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,311:48:0	
2348	96	251	09:12:11.933	117DW105A106A4AO	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,311:68:0	
2349	96	251	09:14:24.600	117DW105A106A4AP	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,313:85:0	
2350	96	251	09:14:37.933	117DW105A106A4AQ	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,314:14:0	
2351	96	251	09:16:50.600	117DW105A106A4AR	7STRP	-0.0075,-0.008,0	Slew =12.01	2R3	4	0	3,600,316:31:0	
2352	96	251	09:17:03.933	117DW105A106A4AS	7STRP	0.005,0.0,0,0,0,	Slew =,0.04	2R3	4	0	3,600,316:51:0	
2353	96	251	09:19:16.600	117DW11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,600,318:68:0	
2354	96	251	09:19:27.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3649.60 +/- 2	2R3	4	0	3,600,318:85:0	
2355	96	251	09:19:27.933	175DW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,600,318:85:0	
2356	96	251	09:19:27.933	175DW6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,600,318:85:0	
2357	**96**	**251**	**09:19:29.267**	**G2JNTHRMNS07-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2358	**96**	**251**	**09:34:59.932**	**G2INCHEMIS03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2359	96	251	09:35:09.933	165DX4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,600,334:42:0	
2360	96	251	09:35:10.600	165DX4B	7SCAN	NORM,293.75,-24.	Check S/P Position	2R3	4	0	3,600,334:43:0	
2361	96	251	09:37:39.266	127DX	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,600,336:84:0	
2362	**96**	**251**	**09:37:39.933**	**127DX4A**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,600,336:85:0**	
2363	96	251	09:37:47.933	127DX11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,600,337:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2364	96	251	09:38:01.266	117DX	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,600,337:26:0	
2365	96	251	09:38:03.266	175DX422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,600,337:29:0	
2366	96	251	09:38:11.333		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3650.93 +/- 2	2R3	4	0	3,600,337:41:1	
2367	96	251	09:38:11.933	165DX4C	7VECT		Inert vect update UTC	2R3	4	0	3,600,337:42:0	
2368	96	251	09:38:12.600	175DX176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,600,337:43:0	
2369	96	251	09:38:12.600	165DX4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,600,337:43:0	
2370	96	251	09:38:12.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3650.81 +/- 2	2R3	4	0	3,600,337:43:3	
2371	96	251	09:38:12.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3650.81 +/- 2	2R3	4	0	3,600,337:43:3	
2372	96	251	09:38:13.266	117DX105A106A4A	7STRP	0.0078,0.0,0,0,0	Slew =,0.03	2R3	4	0	3,600,337:44:0	
2373	96	251	09:42:49.266	117DX11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,600,342:03:0	
2374	96	251	09:43:00.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3583.36 +/- 2	2R3	4	0	3,600,342:20:0	
2375	96	251	09:43:00.600	175DX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,600,342:20:0	
2376	96	251	09:43:00.600	175DX6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,600,342:20:0	
2377	**96**	**251**	**09:44:19.932**	**G2INCHEMIS03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2378	96	251	12:36:40.600	165GC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,600,513:89:0	
2379	96	251	12:36:41.266	165GC4B	7SCAN	NORM,303.899998,	Check S/P Position	2R3	4	0	3,600,513:90:0	
2380	96	251	12:40:35.266	117GC	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,600,517:77:0	
2381	96	251	12:40:44.600	117GC105A106A4A	7STRP	0.00465,0.0,0,0,	Slew =,0.03	2R3	4	0	3,600,518:00:0	
2382	96	251	12:43:21.266	117GC105A106A4B	7STRP	-0.008,0.0013,0,	Slew =,2.66	2R3	4	0	3,600,520:53:0	
2383	96	251	12:43:27.266	117GC105A106A4C	7STRP	0.00465,0.0,0,0,	Slew =,0.03	2R3	4	0	3,600,520:62:0	
2384	96	251	12:46:03.933	117GC105A106A4D	7STRP	-0.008,0.0013,0,	Slew =,2.66	2R3	4	0	3,600,523:24:0	
2385	96	251	12:46:09.933	117GC105A106A4E	7STRP	0.00465,0.0,0,0,	Slew =,0.03	2R3	4	0	3,600,523:33:0	
2386	96	251	12:48:46.600	117GC105A106A4F	7STRP	-0.008,0.0013,0,	Slew =,2.66	2R3	4	0	3,600,525:86:0	
2387	96	251	12:48:52.600	117GC105A106A4G	7STRP	0.00465,0.0,0,0,	Slew =,0.03	2R3	4	0	3,600,526:04:0	
2388	96	251	12:51:29.266	117GC105A106A4H	7STRP	-0.008,0.0013,0,	Slew =,2.66	2R3	4	0	3,600,528:57:0	
2389	96	251	12:51:35.266	117GC105A106A4I	7STRP	0.00465,0.0,0,0,	Slew =,0.03	2R3	4	0	3,600,528:66:0	
2390	96	251	12:54:11.933	117GC105A106A4J	7STRP	-0.008,0.0013,0,	Slew =,2.66	2R3	4	0	3,600,531:28:0	
2391	96	251	12:54:17.933	117GC105A106A4K	7STRP	0.00465,0.0,0,0,	Slew =,0.03	2R3	4	0	3,600,531:37:0	
2392	96	251	12:56:54.600	117GC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,600,533:90:0	
2393	96	251	13:02:57.933	165GQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,600,539:89:0	
2394	96	251	13:02:58.600	165GQ4B	7SCAN	NORM,335.855999,	Check S/P Position	2R3	4	0	3,600,539:90:0	
2395	96	251	13:06:52.600	117GQ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,600,543:77:0	
2396	96	251	13:07:01.933	117GQ105A106A4A	7STRP	0.0,0.127965,0,0	Slew =,0.11	2R3	4	0	3,600,544:00:0	
2397	96	251	13:30:11.933	117GQ105A106B4A	7STRP	-0.009,-0.151585	Slew =,17.3	2R3	4	0	3,600,566:83:0	
2398	96	251	13:30:31.933	117GQ105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.11	2R3	4	0	3,600,567:22:0	
2399	96	251	13:30:37.266	117GQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,600,567:30:0	
2400	96	251	13:31:08.600	117HJ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,600,567:77:0	
2401	96	251	13:31:17.933	117HJ105A106A4A	7STRP	0.0,0.166066,0,0	Slew =,0.21	2R3	4	0	3,600,568:00:0	
2402	96	251	13:39:11.933	488Y6A	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	2R3	4	0	3,600,575:74:0	
2403	96	251	13:46:57.933	117HJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,600,583:45:0	
2404	**96**	**251**	**13:59:57.932**	**G2INCHEMIS04-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2405	96	251	13:59:58.600	165DZ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,600,596:33:0	
2406	96	251	13:59:59.266	165DZ4B	7SCAN	NORM,309.869999,	Check S/P Position	2R3	4	0	3,600,596:34:0	
2407	96	251	14:02:33.933	127DZ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,600,598:84:0	
2408	**96**	**251**	**14:02:34.600**	**127DZ4A**	**37ETB**	**07,C7,02,01,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,600,598:85:0**	
2409	96	251	14:02:42.600	127DZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,600,599:06:0	
2410	96	251	14:02:51.933	175DZ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,600,599:20:0	
2411	96	251	14:02:52.600	117DZ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,600,599:21:0	
2412	96	251	14:03:00.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3584.69 +/- 2	2R3	4	0	3,600,599:32:1	
2413	96	251	14:03:00.600	165DZ4C	7VECT		Inert vect update UTC	2R3	4	0	3,600,599:33:0	
2414	96	251	14:03:01.266	165DZ4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,600,599:34:0	
2415	96	251	14:03:01.266	175DZ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,600,599:34:0	
2416	96	251	14:03:01.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3584.57 +/- 3	2R3	4	0	3,600,599:34:3	
2417	96	251	14:03:01.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3584.57 +/- 3	2R3	4	0	3,600,599:34:3	
2418	96	251	14:03:01.933	117DZ105A106A4A	7STRP	0.0065,0.0,0,0,0	Slew =,0.03	2R3	4	0	3,600,599:35:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2419	96	251	14:06:53.933	117DZ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,600,603:19:0	
2420	96	251	14:06:55.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3529.78 +/- 3	2R3	4	0	3,600,603:21:0	
2421	96	251	14:06:55.266	175DZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,600,603:21:0	
2422	96	251	14:06:55.266	175DZ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,600,603:21:0	
2423	**96**	**251**	**14:08:31.266**	**G2INCHEMIS04-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2424	96	251	14:15:49.933	165GR4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,600,612:04:0	
2425	96	251	14:15:50.600	165GR4B	7SCAN	NORM,311.012997,	Check S/P Position	2R3	4	0	3,600,612:05:0	
2426	96	251	14:19:44.600	117GR	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,600,615:83:0	
2427	96	251	14:19:53.933	117GR105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.61	2R3	4	0	3,600,616:06:0	
2428	96	251	14:20:17.266	117GR11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,600,616:41:0	
2429	96	251	14:34:39.933	488Y6B	6TMSED	NORM,EL2	Sci, Eng, and D/L Chan	2R3	4	0	3,600,630:61:0	
2430	96	251	14:39:01.266	165IS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,600,634:89:0	
2431	96	251	14:39:01.933	165IS4B	7SCAN	NORM,289.250999,	Check S/P Position	2R3	4	0	3,600,634:90:0	
2432	96	251	14:39:13.266	488Y6C	6TMSED	FILL,EL2	Sci, Eng, and D/L Chan	2R3	4	0	3,600,635:16:0	
2433	96	251	14:42:53.933	175IS422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	3,600,638:74:0	
2434	96	251	14:43:02.000		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *3531.11 +/- 3	2R3	4	0	3,600,638:86:1	
2435	96	251	14:43:03.933	165IS4C	7VECT		Inert vect update UTC	2R3	4	0	3,600,638:89:0	
2436	96	251	14:43:04.600	165IS4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,600,638:90:0	
2437	96	251	14:43:06.600	175IS176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	3,600,639:02:0	
2438	96	251	14:43:07.200		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 3467.09 +/- 3	2R3	4	0	3,600,639:02:9	
2439	96	251	14:43:07.200		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *3467.09 +/- 3	2R3	4	0	3,600,639:02:9	
2440	96	251	14:43:29.933		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *2907.64 +/- 3	2R3	4	0	3,600,639:37:0	
2441	96	251	14:43:29.933	175IS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,600,639:37:0	
2442	96	251	15:24:32.600	411JD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,600,680:00:0	
2443	96	251	15:24:40.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2898.03 +/- 3	2R3	4	0	3,600,680:12:1	
2444	96	251	15:24:42.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2897.92 +/- 3	2R3	4	0	3,600,680:14:3	
2445	96	251	15:24:42.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2897.92 +/- 3	2R3	4	0	3,600,680:14:3	
2446	96	251	15:24:42.600	411JD6B	6TMREC	**BDT**	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	3,600,680:15:0	
2447	96	251	15:26:43.933	411JD6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,600,682:15:0	
2448	96	251	15:26:46.600	175TN176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,600,682:19:0	
2449	96	251	15:26:47.266	175TN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,600,682:20:0	
2450	96	251	15:26:53.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2867.03 +/- 3	2R3	4	0	3,600,682:30:0	
2451	96	251	15:26:53.933	175TN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,600,682:30:0	
2452	96	251	15:35:27.266	175NO422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	3,600,690:72:0	
2453	96	251	15:35:35.333		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *2868.36 +/- 4	2R3	4	0	3,600,690:84:1	
2454	96	251	15:35:39.266	175NO176A6A	6TMREC	MPP	28.8 KBPS PWS RECORD Record Mode Change	2R3	4	0	3,600,690:90:0	
2455	96	251	15:35:39.333		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *2866.86 +/- 4	2R3	4	0	3,600,690:90:1	
2456	96	251	15:35:39.333		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 2866.86 +/- 4	2R3	4	0	3,600,690:90:1	
2457	96	251	15:44:59.933	488Y6D	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	2R3	4	0	3,600,700:21:0	
2458	96	251	15:45:48.600		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *2331.37 +/- 4	2R3	4	0	3,600,701:03:0	
2459	96	251	15:45:48.600	175NO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,600,701:03:0	
2460	96	251	15:49:59.933	480EA6A	6MROH	37,1030,0,A2	read from NIMS37,1030,0,A2	2R3	4	0	3,600,705:16:0	
2461	96	251	15:51:31.933	488Y6E	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R3	4	0	3,600,706:63:0	
2462	96	251	15:56:39.933	480EA6B	6MROH	37,142E,0,A2	read from NIMS37,142E,0,A2	2R3	4	0	3,600,711:70:0	
2463	96	251	16:02:30.600	488Z6A	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	2R3	4	0	3,600,717:50:0	
2464	**96**	**251**	**16:06:10.600**	**20FX5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,600,721:16:0**	
2465	**96**	**251**	**16:07:11.266**	**20FX5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,600,722:16:0**	
2466	**96**	**251**	**16:08:11.933**	**20FX6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,600,723:16:0**	
2467	**96**	**251**	**16:09:12.600**	**20FX6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,600,724:16:0**	
2468	**96**	**251**	**16:10:13.266**	**20FX6C**	**6CKSUM**	**NIMS**	**NIMS,1000,14B3**	**2R3**	**4**	**0**	**3,600,725:16:0**	
2469	**96**	**251**	**16:11:13.933**	**20FX5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,600,726:16:0**	
2470	**96**	**251**	**16:12:14.600**	**20FX5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,600,727:16:0**	
2471	**96**	**251**	**16:13:15.266**	**20FX4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,600,728:16:0**	
2472	96	251	16:15:01.266	127FX	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	3,600,729:84:0	
2473	**96**	**251**	**16:15:01.266**	**127FX4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,600,729:84:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2474	**96**	**251**	**16:15:01.933**	**127FX4B**	**37ETB**	**07,C7,02,0C,00,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,600,729:85:0**	
2475	96	251	16:15:16.600	127FX11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,600,730:16:0	
2476	96	251	16:16:17.266	480EB6A	6MROH	37,1030,0,A2	read from NIMS37,1030,0,A2	2R3	4	0	3,600,731:16:0	
2477	96	251	16:19:11.266	165GS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,600,734:04:0	
2478	96	251	16:19:11.933	165GS4B	7SCAN	NORM,320.778,-16	Check S/P Position	2R3	4	0	3,600,734:05:0	
2479	96	251	16:22:57.266	480EB6B	6MROH	37,142E,0,A2	read from NIMS37,142E,0,A2	2R3	4	0	3,600,737:70:0	
2480	96	251	16:23:05.933	117GS	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,600,737:83:0	
2481	96	251	16:23:15.266	117GS105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.47	2R3	4	0	3,600,738:06:0	
2482	96	251	16:23:38.600	117GS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,600,738:41:0	
2483	96	251	16:34:21.266	165GT4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,600,749:04:0	
2484	96	251	16:34:21.933	165GT4B	7SCAN	NORM,352.025997,	Check S/P Position	2R3	4	0	3,600,749:05:0	
2485	96	251	16:35:13.933	117GT	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,600,749:83:0	
2486	96	251	16:35:23.266	117GT105A106A4A	7STRP	-0.0065,0.177956	Slew =,0.11	2R3	4	0	3,600,750:06:0	
2487	96	251	16:46:55.933	488Z6B	6TMSED	FILL,DL3	Sci, Eng, and D/L Chan	2R3	4	0	3,600,761:44:0	
2488	96	251	17:03:41.933	117GT11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,600,778:06:0	
2489	96	251	17:07:43.933	165EA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,600,782:05:0	
2490	96	251	17:07:44.600	165EA4B	7SCAN	NORM,302.107998,	Check S/P Position	2R3	4	0	3,600,782:06:0	
2491	**96**	**251**	**17:07:45.932**	**G2ENLEADMP01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2492	**96**	**251**	**17:09:37.266**	**125EA4A**	**37IST**	**0,2,0,OFF,0,1,2**	**Gain State 3**	**3R3**	**4**	**0**	**3,600,783:84:0**	
2493	96	251	17:09:37.266	125EA	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	3,600,783:84:0	
2494	96	251	17:09:37.266	125EA11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,600,783:84:0	
2495	96	251	17:10:37.266	175EA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,600,784:83:0	
2496	96	251	17:10:37.933	117EA	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,600,784:84:0	
2497	96	251	17:10:37.933	127EA	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,600,784:84:0	
2498	**96**	**251**	**17:10:38.600**	**127EA4A**	**37ETB**	**07,C7,02,0C,00,0**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,600,784:85:0**	
2499	96	251	17:10:45.333		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2332.55 +/- 4	3R3	4	0	3,600,785:04:1	
2500	96	251	17:10:45.933	165EA4C	7VECT		Inert vect update UTC	3R3	4	0	3,600,785:05:0	
2501	96	251	17:10:46.600	127EA11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,600,785:06:0	
2502	96	251	17:10:46.600	175EA176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	3,600,785:06:0	
2503	96	251	17:10:46.600	165EA4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	3R3	4	0	3,600,785:06:0	
2504	96	251	17:10:46.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2332.43 +/- 4	3R3	4	0	3,600,785:06:3	
2505	96	251	17:10:46.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2332.43 +/- 4	3R3	4	0	3,600,785:06:3	
2506	**96**	**251**	**17:10:47.246**	**G2ENLEADMP01-**	**NIMPBK**	**301EA**	**EUROPA MAIN CIRCULAR FEATURE**	**3R3**	**4**	**0**	**: :**	
2507	96	251	17:10:47.266	117EA105A106A4A	7STRP	0.0053,0.0,0,0,0	Slew =,0.03	3R3	4	0	3,600,785:07:0	
2508	96	251	17:13:45.912	G2ENLEADMP01-	**DESELC**	300EA	EUROPA MAIN CIRCULAR FEATURE	3R3	4	0	: :	
2509	96	251	17:13:45.933	117EA11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,600,788:02:0	
2510	**96**	**251**	**17:13:50.599**	**G2ENLEADMP01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
2511	96	251	17:13:57.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2287.79 +/- 4	3R3	4	0	3,600,788:19:0	
2512	96	251	17:13:57.266	175EA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,600,788:19:0	
2513	96	251	17:13:57.266	175EA422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,600,788:19:0	
2514	**96**	**251**	**17:16:50.666**	**G2HNDARK__04-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
2515	96	251	17:17:49.266	165EB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,600,792:03:0	
2516	96	251	17:17:49.933	165EB4B	7SCAN	NORM,314.760998,	Check S/P Position	3R3	4	0	3,600,792:04:0	
2517	**96**	**251**	**17:22:45.933**	**127EB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**3R3**	**4**	**0**	**3,600,796:84:0**	
2518	96	251	17:22:45.933	127EB	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,600,796:84:0	
2519	**96**	**251**	**17:22:46.600**	**127EB4B**	**37ETB**	**07,C7,05,FF,FF,3**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,600,796:85:0**	
2520	96	251	17:22:54.600	127EB11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,600,797:06:0	
2521	**96**	**251**	**17:22:54.666**	**G2HNDARK__04-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
2522	96	251	17:23:35.933	175EB422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	3R3	4	0	3,600,797:68:0	
2523	96	251	17:23:44.000		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *2289.12 +/- 4	3R3	4	0	3,600,797:80:1	
2524	96	251	17:23:47.933	175EB176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R3	4	0	3,600,797:86:0	
2525	96	251	17:23:48.000		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *2287.62 +/- 4	3R3	4	0	3,600,797:86:1	
2526	96	251	17:23:48.000		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 2287.62 +/- 4	3R3	4	0	3,600,797:86:1	
2527	**96**	**251**	**17:23:51.246**	**G2HNDARK 04-**	**NIMPBK**	**301EB**	**DARK SKY**	**3R3**	**4**	**0**	**: :**	
2528	96	251	17:24:51.912	G2HNDARK 04-	**DESELC**	300EB	DARK SKY	3R3	4	0	: :	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2529	96	251	17:24:55.266		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *2228.50 +/- 4	3R3	4	0	3,600,799:05:0	
2530	96	251	17:24:55.266	175EB422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,600,799:05:0	
2531	96	251	17:25:33.266	488Z6C	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	3R3	4	0	3,600,799:62:0	
2532	96	251	17:28:53.266	165FC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,600,802:89:0	
2533	96	251	17:28:53.933	165FC4B	7SCAN	NORM,303.871998,	Check S/P Position	3R3	4	0	3,600,802:90:0	
2534	**96**	**251**	**17:28:58.599**	**G2ENEURORT01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
2535	96	251	17:30:51.266	125FC11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,600,804:84:0	
2536	96	251	17:30:51.266	125FC	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	3,600,804:84:0	
2537	**96**	**251**	**17:30:51.266**	**125FC4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**3R3**	**4**	**0**	**3,600,804:84:0**	
2538	96	251	17:31:51.933	127FC	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,600,805:84:0	
2539	**96**	**251**	**17:31:51.933**	**127FC4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**3R3**	**4**	**0**	**3,600,805:84:0**	
2540	**96**	**251**	**17:31:52.600**	**127FC4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,600,805:85:0**	
2541	96	251	17:32:00.600	127FC11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,600,806:06:0	
2542	**96**	**251**	**17:32:16.600**	**432DX6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**3R3**	**4**	**0**	**3,600,806:30:0**	
2543	96	251	17:32:47.933	117FF	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,600,806:77:0	
2544	96	251	17:32:57.266	117FF105A106A4A	7STRP	-0.0036,0.0,0,0,	Slew =,0.03	3R3	4	0	3,600,807:00:0	
2545	**96**	**251**	**17:34:16.600**	**432DW6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**3R3**	**4**	**0**	**3,600,808:28:0**	
2546	96	251	17:34:58.600	117FF11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,600,809:00:0	
2547	**96**	**251**	**17:35:54.600**	**125FD4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**3R3**	**4**	**0**	**3,600,809:84:0**	
2548	96	251	17:35:54.600	125FD	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	3,600,809:84:0	
2549	96	251	17:35:54.600	125FD11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,600,809:84:0	
2550	**96**	**251**	**17:37:03.932**	**G2ENEURORT01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
2551	96	251	18:19:30.600	165GU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,600,853:04:0	
2552	96	251	18:19:31.266	165GU4B	7SCAN	NORM,330.609997,	Check S/P Position	3R3	4	0	3,600,853:05:0	
2553	96	251	18:23:25.266	117GU	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,600,856:83:0	
2554	96	251	18:23:34.600	117GU105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.39	3R3	4	0	3,600,857:06:0	
2555	96	251	18:23:57.933	117GU11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,600,857:41:0	
2556	96	251	18:59:59.933	481SA4A	7VECT		Inert vect update UTC	3R3	4	0	3,600,893:08:0	
2557	96	251	20:10:43.933	165GV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,600,963:04:0	
2558	96	251	20:10:44.600	165GV4B	7SCAN	NORM,339.642998,	Check S/P Position	3R3	4	0	3,600,963:05:0	
2559	96	251	20:14:38.600	117GV	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,600,966:83:0	
2560	96	251	20:14:47.933	117GV105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.35	3R3	4	0	3,600,967:06:0	
2561	96	251	20:15:11.266	117GV11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,600,967:41:0	
2562	**96**	**251**	**21:20:59.932**	**G2INCHEMIS05-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
2563	96	251	21:21:00.600	165EC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	3R3	4	0	3,601,032:50:0	
2564	96	251	21:21:01.266	165EC4B	7SCAN	NORM,345.299999,	Check S/P Position	3R3	4	0	3,601,032:51:0	
2565	96	251	21:22:23.933	125EC11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,601,033:84:0	
2566	**96**	**251**	**21:22:23.933**	**125EC4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**3,601,033:84:0**	
2567	96	251	21:22:23.933	125EC	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,601,033:84:0	
2568	**96**	**251**	**21:23:24.600**	**127EC4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,601,034:84:0**	
2569	96	251	21:23:24.600	127EC	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,601,034:84:0	
2570	**96**	**251**	**21:23:25.266**	**127EC4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,601,034:85:0**	
2571	96	251	21:23:33.266	127EC11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,601,035:06:0	
2572	96	251	21:23:51.266	175EC422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	3,601,035:33:0	
2573	96	251	21:23:54.600	117EC	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,601,035:38:0	
2574	96	251	21:23:59.333		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *2229.67 +/- 4	2R3	4	0	3,601,035:45:1	
2575	96	251	21:24:02.600	165EC4C	7VECT		Inert vect update UTC	2R3	4	0	3,601,035:50:0	
2576	96	251	21:24:03.266	175EC176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	3,601,035:51:0	
2577	96	251	21:24:03.266	165EC4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,601,035:51:0	
2578	96	251	21:24:03.333		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *2228.17 +/- 4	2R3	4	0	3,601,035:51:1	
2579	96	251	21:24:03.333		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 2228.17 +/- 4	2R3	4	0	3,601,035:51:1	
2580	**96**	**251**	**21:24:03.904**	**G2INCHEMIS05-**	**NIMPBK**	**301EC**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
2581	96	251	21:24:03.933	117EC105A106A4A	7STRP	0.004,0.0,0,0,0,	Slew =,0.03	2R3	4	0	3,601,035:52:0	
2582	96	251	21:25:31.237	G2INCHEMIS05-	**DESELC**	300EC	MONITORING OF IO'S DAYSIDE	2R3	4	0	: :	
2583	96	251	21:26:21.933	117EC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,601,037:77:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2584	96	251	21:26:25.933		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *2102.84 +/- 4	2R3	4	0	3,601,037:83:0	
2585	96	251	21:26:25.933	175EC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,601,037:83:0	
2586	**96**	**251**	**21:26:41.932**	**G2INCHEMIS05-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2587	**96**	**251**	**21:27:59.932**	**G2INTHRMAL01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2588	96	251	21:28:31.933	488Z6D	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R3	4	0	3,601,039:90:0	
2589	96	251	21:29:31.933	165ED4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,601,040:89:0	
2590	96	251	21:29:32.600	165ED4B	7SCAN	NORM,345.834,-6.	Check S/P Position	2R3	4	0	3,601,040:90:0	
2591	**96**	**251**	**21:30:29.266**	**125ED4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,601,041:84:0**	
2592	96	251	21:30:29.266	125ED11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,601,041:84:0	
2593	96	251	21:30:29.266	125ED	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,601,041:84:0	
2594	96	251	21:31:29.933	127ED	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,601,042:84:0	
2595	**96**	**251**	**21:31:30.600**	**127ED4A**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,601,042:85:0**	
2596	96	251	21:31:38.600	127ED11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,601,043:06:0	
2597	96	251	21:32:22.600	175ED422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,601,043:72:0	
2598	96	251	21:32:25.933	117ED	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,601,043:77:0	
2599	96	251	21:32:30.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2104.01 +/- 4	4R3	4	0	3,601,043:84:1	
2600	96	251	21:32:31.933	175ED176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,601,043:86:0	
2601	96	251	21:32:32.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2103.90 +/- 5	4R3	4	0	3,601,043:86:3	
2602	96	251	21:32:32.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2103.90 +/- 5	4R3	4	0	3,601,043:86:3	
2603	96	251	21:32:33.933	165ED4C	7VECT		Inert vect update UTC	4R3	4	0	3,601,043:89:0	
2604	96	251	21:32:34.600	165ED4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	4R3	4	0	3,601,043:90:0	
2605	**96**	**251**	**21:32:35.237**	**G2INTHRMAL01-**	**NIMPBK**	**301ED**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
2606	96	251	21:32:35.266	117ED105A106A4A	7STRP	0.00125,0.0,0,0,	Slew =,0.03	4R3	4	0	3,601,044:00:0	
2607	96	251	21:33:25.237	G2INTHRMAL01-	**DESELC**	300ED	MONITORING OF IO'S NIGHTSIDE	4R3	4	0	: :	
2608	96	251	21:33:25.266	117ED11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,601,044:75:0	
2609	96	251	21:33:36.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2088.79 +/- 5	4R3	4	0	3,601,045:01:0	
2610	96	251	21:33:36.600	175ED6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,601,045:01:0	
2611	96	251	21:33:36.600	175ED422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,601,045:01:0	
2612	**96**	**251**	**21:33:53.266**	**G2INTHRMAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2613	96	251	21:44:41.933	165CC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,601,055:89:0	
2614	96	251	21:44:42.600	165CC4B	7SCAN	NORM,347.517998,	Check S/P Position	4R3	4	0	3,601,055:90:0	
2615	96	251	21:57:57.266	165GW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,601,069:08:0	
2616	96	251	21:57:57.933	165GW4B	7SCAN	NORM,326.344997,	Check S/P Position	4R3	4	0	3,601,069:09:0	
2617	96	251	21:58:47.933	117GW	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,601,069:84:0	
2618	96	251	21:58:57.266	117GW105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.41	4R3	4	0	3,601,070:07:0	
2619	96	251	21:59:20.600	117GW11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,601,070:42:0	
2620	96	251	21:59:51.933	165CD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,601,070:89:0	
2621	96	251	21:59:52.600	165CD4B	7SCAN	NORM,348.658997,	Check S/P Position	4R3	4	0	3,601,070:90:0	
2622	96	251	22:09:09.266	488AA6A	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,601,080:15:0	
2623	**96**	**251**	**22:20:10.599**	**G2INVOLCAN01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2624	96	251	22:21:05.933	165EE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,601,091:89:0	
2625	96	251	22:21:06.600	165EE4B	7SCAN	NORM,349.889999,	Check S/P Position	4R3	4	0	3,601,091:90:0	
2626	96	251	22:22:03.266	125EE	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,601,092:84:0	
2627	96	251	22:22:03.266	125EE11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,601,092:84:0	
2628	**96**	**251**	**22:22:03.266**	**125EE4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,601,092:84:0**	
2629	96	251	22:23:03.933	127EE	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,601,093:84:0	
2630	**96**	**251**	**22:23:04.600**	**127EE4A**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,601,093:85:0**	
2631	96	251	22:23:12.600	127EE11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,601,094:06:0	
2632	96	251	22:23:56.600	175EE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,601,094:72:0	
2633	96	251	22:23:59.933	117EE	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,601,094:77:0	
2634	96	251	22:24:04.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2090.12 +/- 5	2R3	4	0	3,601,094:84:1	
2635	96	251	22:24:05.933	175EE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,601,094:86:0	
2636	96	251	22:24:06.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2090.00 +/- 5	2R3	4	0	3,601,094:86:3	
2637	96	251	22:24:06.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2090.00 +/- 5	2R3	4	0	3,601,094:86:3	
2638	96	251	22:24:07.933	165EE4C	7VECT		Inert vect update UTC	2R3	4	0	3,601,094:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2639	96	251	22:24:08.600	165EE4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,601,094:90:0	
2640	**96**	**251**	**22:24:09.235**	**G2INVOLCAN01-**	**NIMPBK**	**301EE**	**MON. OF SELECTED VOLCANIC REG.**	**2R3**	**4**	**0**	**: :**	
2641	96	251	22:24:09.266	117EE105A106A4A	7STRP	0.0008,0.0,0,0,0	Slew =,0.03	2R3	4	0	3,601,095:00:0	
2642	96	251	22:24:39.235	G2INVOLCAN01-	**DESELC**	300EE	MON. OF SELECTED VOLCANIC REG.	2R3	4	0	: :	
2643	96	251	22:24:39.266	117EE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,601,095:45:0	
2644	96	251	22:24:50.600	175EE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,601,095:62:0	
2645	96	251	22:24:50.600	175EE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,601,095:62:0	
2646	96	251	22:24:50.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2079.58 +/- 5	2R3	4	0	3,601,095:62:0	
2647	**96**	**251**	**22:25:13.932**	**G2INVOLCAN01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2648	96	251	22:51:27.933	488AA6B	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	2R3	4	0	3,601,122:01:0	
2649	96	251	23:10:55.933	488AA6C	6TMSED	NORM,DL3	Sci, Eng, and D/L Chan	2R3	4	0	3,601,141:24:0	
2650	**96**	**251**	**23:20:50.599**	**G2INVOLCAN02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2651	96	251	23:21:45.933	165EF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,601,151:89:0	
2652	96	251	23:21:46.600	165EF4B	7SCAN	NORM,354.558998,	Check S/P Position	2R3	4	0	3,601,151:90:0	
2653	96	251	23:23:43.933	127EF	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,601,153:84:0	
2654	**96**	**251**	**23:23:44.600**	**127EF4A**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,601,153:85:0**	
2655	96	251	23:23:52.600	127EF11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,601,154:06:0	
2656	96	251	23:24:36.600	175EF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,601,154:72:0	
2657	96	251	23:24:39.933	117EF	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,601,154:77:0	
2658	96	251	23:24:44.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2080.91 +/- 5	2R3	4	0	3,601,154:84:1	
2659	96	251	23:24:45.933	175EF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,601,154:86:0	
2660	96	251	23:24:46.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2080.80 +/- 5	2R3	4	0	3,601,154:86:3	
2661	96	251	23:24:46.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2080.80 +/- 5	2R3	4	0	3,601,154:86:3	
2662	96	251	23:24:47.933	165EF4C	7VECT		Inert vect update UTC	2R3	4	0	3,601,154:89:0	
2663	96	251	23:24:48.600	165EF4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,601,154:90:0	
2664	**96**	**251**	**23:24:49.232**	**G2INVOLCAN02-**	**NIMPBK**	**301EF**	**MON. OF SELECTED VOLCANIC REG.**	**2R3**	**4**	**0**	**: :**	
2665	96	251	23:24:49.266	117EF105A106A4A	7STRP	0.0008,0.0,0,0,0	Slew =,0.03	2R3	4	0	3,601,155:00:0	
2666	96	251	23:25:19.232	G2INVOLCAN02-	**DESELC**	300EF	MON. OF SELECTED VOLCANIC REG.	2R3	4	0	: :	
2667	96	251	23:25:19.266	117EF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,601,155:45:0	
2668	96	251	23:25:30.600	175EF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,601,155:62:0	
2669	96	251	23:25:30.600	175EF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,601,155:62:0	
2670	96	251	23:25:30.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2070.37 +/- 5	2R3	4	0	3,601,155:62:0	
2671	**96**	**251**	**23:25:53.932**	**G2INVOLCAN02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2672	96	251	23:33:48.600	488AA6D	6TMSED	FILL,DL3	Sci, Eng, and D/L Chan	2R3	4	0	3,601,163:81:0	
2673	96	252	00:01:11.933	165CE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,601,190:89:0	
2674	96	252	00:01:12.600	165CE4B	7SCAN	NORM,357.996998,	Check S/P Position	2R3	4	0	3,601,190:90:0	
2675	96	252	00:16:21.933	165CF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,601,205:89:0	
2676	96	252	00:16:22.600	165CF4B	7SCAN	NORM,359.126999,	Check S/P Position	2R3	4	0	3,601,205:90:0	
2677	96	252	00:21:19.933	488AA6E	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	2R3	4	0	3,601,210:81:0	
2678	96	252	00:28:47.266	488AB6A	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R3	4	0	3,601,218:24:0	
2679	**96**	**252**	**00:35:39.932**	**G2INVOLCAN03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2680	96	252	00:36:35.266	165EH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,601,225:89:0	
2681	96	252	00:36:35.933	165EH4B	7SCAN	NORM,0.199,0.645	Check S/P Position	2R3	4	0	3,601,225:90:0	
2682	96	252	00:38:33.266	127EH	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,601,227:84:0	
2683	**96**	**252**	**00:38:33.933**	**127EH4A**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,601,227:85:0**	
2684	96	252	00:38:41.933	127EH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,601,228:06:0	
2685	96	252	00:39:25.933	175EH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,601,228:72:0	
2686	96	252	00:39:29.266	117EH	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,601,228:77:0	
2687	96	252	00:39:34.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2071.71 +/- 5	2R3	4	0	3,601,228:84:1	
2688	96	252	00:39:35.266	175EH176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,601,228:86:0	
2689	96	252	00:39:35.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2071.59 +/- 5	2R3	4	0	3,601,228:86:3	
2690	96	252	00:39:35.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2071.59 +/- 5	2R3	4	0	3,601,228:86:3	
2691	96	252	00:39:37.266	165EH4C	7VECT		Inert vect update UTC	2R3	4	0	3,601,228:89:0	
2692	96	252	00:39:37.933	165EH4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R3	4	0	3,601,228:90:0	
2693	**96**	**252**	**00:39:38.563**	**G2INVOLCAN03-**	**NIMPBK**	**301EH**	**MON. OF SELECTED VOLCANIC REG.**	**2R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2694	96	252	00:39:38.600	117EH105A106A4A	7STRP	0.0008,0.0,0,0,0	Slew =,0.03	2R3	4	0	3,601,229:00:0	
2695	96	252	00:40:08.563	G2INVOLCAN03-	**DESELC**	300EH	MON. OF SELECTED VOLCANIC REG.	2R3	4	0	: :	
2696	96	252	00:40:08.600	117EH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,601,229:45:0	
2697	96	252	00:40:19.933	175EH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,601,229:62:0	
2698	96	252	00:40:19.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2061.17 +/- 5	2R3	4	0	3,601,229:62:0	
2699	96	252	00:40:19.933	175EH6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,601,229:62:0	
2700	**96**	**252**	**00:40:43.266**	**G2INVOLCAN03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2701	96	252	00:48:47.266	165GX4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,601,238:04:0	
2702	96	252	00:48:47.933	165GX4B	7SCAN	NORM,339.735996,	Check S/P Position	2R3	4	0	3,601,238:05:0	
2703	96	252	00:52:41.933	117GX	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,601,241:83:0	
2704	96	252	00:52:51.266	117GX105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.35	2R3	4	0	3,601,242:06:0	
2705	96	252	00:53:14.600	117GX11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,601,242:41:0	
2706	96	252	01:59:59.933	481SB4A	7VECT		Inert vect update UTC	2R3	4	0	3,601,308:43:0	
2707	**96**	**252**	**03:06:19.266**	**G2INVOLCAN04-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2708	96	252	03:07:14.600	165EI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,601,374:89:0	
2709	96	252	03:07:15.266	165EI4B	7SCAN	NORM,11.184,5.94	Check S/P Position	2R3	4	0	3,601,374:90:0	
2710	96	252	03:09:12.600	127EI	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,601,376:84:0	
2711	**96**	**252**	**03:09:13.266**	**127EI4A**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,601,376:85:0**	
2712	96	252	03:09:21.266	127EI11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,601,377:06:0	
2713	96	252	03:10:05.266	175EI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,601,377:72:0	
2714	96	252	03:10:08.600	117EI	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,601,377:77:0	
2715	96	252	03:10:13.333		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2062.50 +/- 5	2R3	4	0	3,601,377:84:1	
2716	96	252	03:10:14.600	175EI176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,601,377:86:0	
2717	96	252	03:10:14.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2062.38 +/- 5	2R3	4	0	3,601,377:86:3	
2718	96	252	03:10:14.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2062.38 +/- 5	2R3	4	0	3,601,377:86:3	
2719	**96**	**252**	**03:10:17.891**	**G2INVOLCAN04-**	**NIMPBK**	**301EI**	**MON. OF SELECTED VOLCANIC REG.**	**2R3**	**4**	**0**	**: :**	
2720	96	252	03:10:17.933	117EI105A106A4A	7STRP	0.0008,0.0,0,0,0	Slew =,0.03	2R3	4	0	3,601,378:00:0	
2721	96	252	03:10:47.891	G2INVOLCAN04-	**DESELC**	300EI	MON. OF SELECTED VOLCANIC REG.	2R3	4	0	: :	
2722	96	252	03:10:47.933	117EI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,601,378:45:0	
2723	96	252	03:10:59.266	175EI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,601,378:62:0	
2724	96	252	03:10:59.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2051.96 +/- 5	2R3	4	0	3,601,378:62:0	
2725	96	252	03:10:59.266	175EI6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,601,378:62:0	
2726	**96**	**252**	**03:11:22.599**	**G2INVOLCAN04-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2727	96	252	03:14:23.266	165GY4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,601,382:04:0	
2728	96	252	03:14:23.933	165GY4B	7SCAN	NORM,30.671,18.4	Check S/P Position	2R3	4	0	3,601,382:05:0	
2729	96	252	03:18:17.933	117GY	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,601,385:83:0	
2730	96	252	03:18:27.266	117GY105A106A4A	7STRP	-0.035014,0.1378	Slew =,0.11	2R3	4	0	3,601,386:06:0	
2731	96	252	03:43:43.933	117GY11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,601,411:06:0	
2732	96	252	04:39:28.533	488AB6B	6TMSED	NORM,DL5	Sci, Eng, and D/L Chan	2R3	4	0	3,601,466:18:0	
2733	96	252	04:44:59.866	488AB6C	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2R3	4	0	3,601,471:60:0	
2734	**96**	**252**	**05:14:43.932**	**G2INVOLCAN05-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2735	96	252	05:15:39.200	165EJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,601,501:89:0	
2736	96	252	05:15:39.866	165EJ4B	7SCAN	NORM,20.227,10.0	Check S/P Position	2R3	4	0	3,601,501:90:0	
2737	96	252	05:17:37.200	127EJ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,601,503:84:0	
2738	**96**	**252**	**05:17:37.866**	**127EJ4A**	**37ETB**	**07,C7,03,80,00,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,601,503:85:0**	
2739	96	252	05:17:45.866	127EJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,601,504:06:0	
2740	96	252	05:18:29.866	175EJ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,601,504:72:0	
2741	96	252	05:18:33.200	117EJ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,601,504:77:0	
2742	96	252	05:18:37.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2053.30 +/- 6	2R3	4	0	3,601,504:84:1	
2743	96	252	05:18:39.200	175EJ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,601,504:86:0	
2744	96	252	05:18:39.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2053.18 +/- 6	2R3	4	0	3,601,504:86:3	
2745	96	252	05:18:39.400		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2053.18 +/- 6	2R3	4	0	3,601,504:86:3	
2746	96	252	05:18:42.533	117EJ105A106A4A	7STRP	0.0008,0.0,0,0,0	Slew =,0.03	2R3	4	0	3,601,505:00:0	
2747	**96**	**252**	**05:18:42.553**	**G2INVOLCAN05-**	**NIMPBK**	**301EJ**	**MON. OF SELECTED VOLCANIC REG.**	**2R3**	**4**	**0**	**: :**	
2748	96	252	05:19:12.533	117EJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,601,505:45:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2749	96	252	05:19:12.553	G2INVOLCAN05-	**DESELC**	300EJ	MON. OF SELECTED VOLCANIC REG.	2R3	4	0	: :	
2750	96	252	05:19:23.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2042.76 +/- 6	2R3	4	0	3,601,505:62:0	
2751	96	252	05:19:23.866	175EJ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,601,505:62:0	
2752	96	252	05:19:23.866	175EJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,601,505:62:0	
2753	**96**	**252**	**05:19:47.266**	**G2INVOLCAN05-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2754	**96**	**252**	**05:20:47.999**	**G2HNDARK__05-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2755	96	252	05:21:28.533	165EK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,601,507:67:0	
2756	96	252	05:21:29.200	165EK4B	7SCAN	NORM,33.976,7.21	Check S/P Position	2R3	4	0	3,601,507:68:0	
2757	96	252	05:24:41.866	127EK	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,601,510:84:0	
2758	**96**	**252**	**05:24:42.533**	**127EK4A**	**37ETB**	**07,C7,05,FF,FF,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,601,510:85:0**	
2759	96	252	05:24:50.533	127EK11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,601,511:06:0	
2760	96	252	05:25:34.533	175EK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,601,511:72:0	
2761	96	252	05:25:42.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2044.09 +/- 6	2R3	4	0	3,601,511:84:1	
2762	96	252	05:25:43.866	175EK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,601,511:86:0	
2763	96	252	05:25:44.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2043.97 +/- 6	2R3	4	0	3,601,511:86:3	
2764	96	252	05:25:44.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2043.97 +/- 6	2R3	4	0	3,601,511:86:3	
2765	**96**	**252**	**05:25:47.220**	**G2HNDARK 05-**	**NIMPBK**	**301EK**	**DARK SKY**	**2R3**	**4**	**0**	**: :**	
2766	96	252	05:26:47.886	G2HNDARK 05-	**DESELC**	300EK	DARK SKY	2R3	4	0	: :	
2767	96	252	05:26:59.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2026.36 +/- 6	2R3	4	0	3,601,513:17:0	
2768	96	252	05:26:59.200	175EK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,601,513:17:0	
2769	96	252	05:26:59.200	175EK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,601,513:17:0	
2770	**96**	**252**	**05:27:52.666**	**G2HNDARK__05-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2771	96	252	05:29:53.200	165GZ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,601,516:05:0	
2772	96	252	05:29:53.866	165GZ4B	7SCAN	NORM,40.412,18.2	Check S/P Position	2R3	4	0	3,601,516:06:0	
2773	96	252	05:33:47.866	117GZ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,601,519:84:0	
2774	96	252	05:33:57.200	117GZ105A106A4A	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,520:07:0	
2775	96	252	05:36:37.866	117GZ105A106A4B	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,522:66:0	
2776	96	252	05:36:54.533	117GZ105A106A4C	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,523:00:0	
2777	96	252	05:39:35.200	117GZ105A106A4D	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,525:59:0	
2778	96	252	05:39:51.866	117GZ105A106A4E	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,525:84:0	
2779	96	252	05:42:32.533	117GZ105A106A4F	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,528:52:0	
2780	96	252	05:42:49.200	117GZ105A106A4G	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,528:77:0	
2781	96	252	05:44:49.866	175KZ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,601,530:76:0	
2782	96	252	05:44:57.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2027.70 +/- 6	2R3	4	0	3,601,530:88:1	
2783	96	252	05:44:59.200	175KZ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	3,601,530:90:0	
2784	96	252	05:44:59.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2027.58 +/- 6	2R3	4	0	3,601,530:90:3	
2785	96	252	05:44:59.400		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2027.58 +/- 6	2R3	4	0	3,601,530:90:3	
2786	96	252	05:45:29.866	117GZ105A106A4H	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,531:45:0	
2787	96	252	05:45:46.533	117GZ105A106A4I	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,531:70:0	
2788	96	252	05:48:27.200	117GZ105A106A4J	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,534:38:0	
2789	96	252	05:48:43.866	117GZ105A106A4K	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,534:63:0	
2790	96	252	05:51:24.533	117GZ105A106A4L	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,537:31:0	
2791	96	252	05:51:41.200	117GZ105A106A4M	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,537:56:0	
2792	96	252	05:54:21.866	117GZ105A106A4N	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,540:24:0	
2793	96	252	05:54:38.533	117GZ105A106A4O	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,540:49:0	
2794	96	252	05:57:19.200	117GZ105A106A4P	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,543:17:0	
2795	96	252	05:57:35.866	117GZ105A106A4Q	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,543:42:0	
2796	96	252	06:00:16.533	117GZ105A106A4R	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,546:10:0	
2797	96	252	06:00:33.200	117GZ105A106A4S	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,546:35:0	
2798	96	252	06:03:13.866	117GZ105A106A4T	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,549:03:0	
2799	96	252	06:03:30.533	117GZ105A106A4U	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,549:28:0	
2800	96	252	06:06:11.200	117GZ105A106A4V	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,551:87:0	
2801	96	252	06:06:27.866	117GZ105A106A4W	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,552:21:0	
2802	96	252	06:06:51.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1720.12 +/- 6	2R3	4	0	3,601,552:56:0	
2803	96	252	06:06:51.200	175KZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,601,552:56:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2804	96	252	06:09:08.533	117GZ105A106A4X	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,554	80:0
2805	96	252	06:09:25.200	117GZ105A106A4Y	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,555	14:0
2806	96	252	06:12:05.866	117GZ105A106A4Z	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,557	73:0
2807	96	252	06:12:22.533	117GZ105A106A4AA	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,558	07:0
2808	96	252	06:15:03.200	117GZ105A106A4AB	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,560	66:0
2809	96	252	06:15:19.866	117GZ105A106A4AC	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,561	00:0
2810	96	252	06:18:00.533	117GZ105A106A4AD	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,563	59:0
2811	96	252	06:18:17.200	117GZ105A106A4AE	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,563	84:0
2812	96	252	06:20:57.866	117GZ105A106A4AF	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,566	52:0
2813	96	252	06:21:14.533	117GZ105A106A4AG	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,566	77:0
2814	96	252	06:23:55.200	117GZ105A106A4AH	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,569	45:0
2815	96	252	06:24:11.866	117GZ105A106A4AI	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,569	70:0
2816	96	252	06:26:52.533	117GZ105A106A4AJ	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,572	38:0
2817	96	252	06:27:09.200	117GZ105A106A4AK	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,572	63:0
2818	96	252	06:29:49.866	117GZ105A106A4AL	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,575	31:0
2819	96	252	06:30:06.533	117GZ105A106A4AM	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,575	56:0
2820	96	252	06:32:47.200	117GZ105A106A4AN	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,578	24:0
2821	96	252	06:33:03.866	117GZ105A106A4AO	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,578	49:0
2822	96	252	06:35:44.533	117GZ105A106A4AP	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,581	17:0
2823	96	252	06:36:01.200	117GZ105A106A4AQ	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,581	42:0
2824	96	252	06:38:41.866	117GZ105A106A4AR	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,584	10:0
2825	96	252	06:38:58.533	117GZ105A106A4AS	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,584	35:0
2826	96	252	06:41:39.200	117GZ105A106A4AT	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,587	03:0
2827	96	252	06:41:55.866	117GZ105A106A4AU	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,587	28:0
2828	96	252	06:44:36.533	117GZ105A106A4AV	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,589	87:0
2829	96	252	06:44:53.200	117GZ105A106A4AW	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,590	21:0
2830	96	252	06:47:33.866	117GZ105A106A4AX	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,592	80:0
2831	96	252	06:47:50.533	117GZ105A106A4AY	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,593	14:0
2832	96	252	06:50:31.200	117GZ105A106A4AZ	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,595	73:0
2833	96	252	06:50:47.866	117GZ105A106A4BA	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,596	07:0
2834	96	252	06:53:28.533	117GZ105A106A4BB	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,598	66:0
2835	96	252	06:53:45.200	117GZ105A106A4BC	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,599	00:0
2836	96	252	06:56:25.866	117GZ105A106A4BD	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,601	59:0
2837	96	252	06:56:42.533	117GZ105A106A4BE	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,601	84:0
2838	96	252	06:59:23.200	117GZ105A106A4BF	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,604	52:0
2839	96	252	06:59:39.866	117GZ105A106A4BG	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,604	77:0
2840	96	252	07:02:20.533	117GZ105A106A4BH	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,607	45:0
2841	96	252	07:02:37.200	117GZ105A106A4BI	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,607	70:0
2842	96	252	07:05:17.866	117GZ105A106A4BJ	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,610	38:0
2843	96	252	07:05:34.533	117GZ105A106A4BK	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,610	63:0
2844	96	252	07:08:15.200	117GZ105A106A4BL	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,613	31:0
2845	96	252	07:08:31.866	117GZ105A106A4BM	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,613	56:0
2846	96	252	07:11:12.533	117GZ105A106A4BN	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,616	24:0
2847	96	252	07:11:29.200	117GZ105A106A4BO	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,616	49:0
2848	96	252	07:14:09.866	117GZ105A106A4BP	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,619	17:0
2849	96	252	07:14:26.533	117GZ105A106A4BQ	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,619	42:0
2850	96	252	07:17:07.200	117GZ105A106A4BR	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,622	10:0
2851	96	252	07:17:23.866	117GZ105A106A4BS	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,622	35:0
2852	96	252	07:20:04.533	117GZ105A106A4BT	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,625	03:0
2853	96	252	07:20:21.200	117GZ105A106A4BU	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,625	28:0
2854	96	252	07:23:01.866	117GZ105A106A4BV	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,627	87:0
2855	96	252	07:23:18.533	117GZ105A106A4BW	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,628	21:0
2856	96	252	07:25:59.200	117GZ105A106A4BX	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,630	80:0
2857	96	252	07:26:15.866	117GZ105A106A4BY	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,631	14:0
2858	96	252	07:28:43.200	488AC6A	6TMSED	FILL,CL5	Sci, Eng, and D/L Chan	2R3	4	0	3,601,633	53:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2859	96	252	07:28:56.533	117GZ105A106A4BZ	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,633:73:0	
2860	96	252	07:29:13.200	117GZ105A106A4CA	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,634:07:0	
2861	96	252	07:31:53.866	117GZ105A106A4CB	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,636:66:0	
2862	96	252	07:32:10.533	117GZ105A106A4CC	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,637:00:0	
2863	96	252	07:34:51.200	117GZ105A106A4CD	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,639:59:0	
2864	96	252	07:35:07.866	117GZ105A106A4CE	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,639:84:0	
2865	96	252	07:37:48.533	117GZ105A106A4CF	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,642:52:0	
2866	96	252	07:38:05.200	117GZ105A106A4CG	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,642:77:0	
2867	96	252	07:40:45.866	117GZ105A106A4CH	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,645:45:0	
2868	96	252	07:41:02.533	117GZ105A106A4CI	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,645:70:0	
2869	96	252	07:43:43.200	117GZ105A106A4CJ	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,648:38:0	
2870	96	252	07:43:59.866	117GZ105A106A4CK	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,648:63:0	
2871	96	252	07:46:40.533	117GZ105A106A4CL	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,651:31:0	
2872	96	252	07:46:55.866	488AC6B	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	2R3	4	0	3,601,651:54:0	
2873	96	252	07:46:57.200	117GZ105A106A4CM	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,651:56:0	
2874	96	252	07:49:37.866	117GZ105A106A4CN	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,654:24:0	
2875	96	252	07:49:54.533	117GZ105A106A4CO	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,654:49:0	
2876	96	252	07:52:35.200	117GZ105A106A4CP	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,657:17:0	
2877	96	252	07:52:51.866	117GZ105A106A4CQ	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,657:42:0	
2878	96	252	07:55:32.533	117GZ105A106A4CR	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,660:10:0	
2879	96	252	07:55:49.200	117GZ105A106A4CS	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,660:35:0	
2880	96	252	07:58:29.866	117GZ105A106A4CT	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,663:03:0	
2881	96	252	07:58:46.533	117GZ105A106A4CU	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,663:28:0	
2882	96	252	08:01:27.200	117GZ105A106A4CV	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,665:87:0	
2883	96	252	08:01:43.866	117GZ105A106A4CW	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,666:21:0	
2884	96	252	08:04:24.533	117GZ105A106A4CX	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,668:80:0	
2885	96	252	08:04:41.200	117GZ105A106A4CY	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,669:14:0	
2886	96	252	08:07:21.866	117GZ105A106A4CZ	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,671:73:0	
2887	96	252	08:07:38.533	117GZ105A106A4DA	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,672:07:0	
2888	96	252	08:10:19.200	117GZ105A106A4DB	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,674:66:0	
2889	96	252	08:10:35.866	117GZ105A106A4DC	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,675:00:0	
2890	96	252	08:13:16.533	117GZ105A106A4DD	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,677:59:0	
2891	96	252	08:13:33.200	117GZ105A106A4DE	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,677:84:0	
2892	96	252	08:16:13.866	117GZ105A106A4DF	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,680:52:0	
2893	96	252	08:16:30.533	117GZ105A106A4DG	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,680:77:0	
2894	96	252	08:19:11.200	117GZ105A106A4DH	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,683:45:0	
2895	96	252	08:19:27.866	117GZ105A106A4DI	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,683:70:0	
2896	96	252	08:19:59.866	481SC4A	7VECT		Inert vect update UTC	2R3	4	0	3,601,684:27:0	
2897	96	252	08:22:08.533	117GZ105A106A4DJ	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,686:38:0	
2898	96	252	08:22:25.200	117GZ105A106A4DK	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,686:63:0	
2899	96	252	08:25:05.866	117GZ105A106A4DL	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,689:31:0	
2900	96	252	08:25:22.533	117GZ105A106A4DM	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,689:56:0	
2901	96	252	08:28:03.200	117GZ105A106A4DN	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,692:24:0	
2902	96	252	08:28:19.866	117GZ105A106A4DO	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,692:49:0	
2903	96	252	08:31:00.533	117GZ105A106A4DP	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,695:17:0	
2904	96	252	08:31:17.200	117GZ105A106A4DQ	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,695:42:0	
2905	96	252	08:33:57.866	117GZ105A106A4DR	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,698:10:0	
2906	96	252	08:34:14.533	117GZ105A106A4DS	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,698:35:0	
2907	96	252	08:36:55.200	117GZ105A106A4DT	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,701:03:0	
2908	96	252	08:37:11.866	117GZ105A106A4DU	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,701:28:0	
2909	96	252	08:39:52.533	117GZ105A106A4DV	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,703:87:0	
2910	96	252	08:40:09.200	117GZ105A106A4DW	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,704:21:0	
2911	96	252	08:42:49.866	117GZ105A106A4DX	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,706:80:0	
2912	96	252	08:43:06.533	117GZ105A106A4DY	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,707:14:0	
2913	96	252	08:45:47.200	117GZ105A106A4DZ	7STRP	-0.002,-0.011031	Slew =,17.3	2R3	4	0	3,601,709:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2914	96	252	08:46:03.866	117GZ105A106A4EA	7STRP	0.0,0.011001,0,0	Slew =0,0.1	2R3	4	0	3,601,710:07:0	
2915	96	252	08:48:44.533	117GZ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,601,712:66:0	
2916	96	252	08:51:05.866	165HA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R3	4	0	3,601,715:05:0	
2917	96	252	08:51:06.533	165HA4B	7SCAN	NORM,41.878,18.7	Check S/P Position	2R3	4	0	3,601,715:06:0	
2918	96	252	08:55:00.533	117HA	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,601,718:84:0	
2919	96	252	08:55:09.866	117HA105A106A4A	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,719:07:0	
2920	96	252	08:55:47.866	117HA105A106A4B	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,719:64:0	
2921	96	252	08:56:03.866	117HA105A106A4C	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,719:88:0	
2922	96	252	08:56:41.866	117HA105A106A4D	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,720:54:0	
2923	96	252	08:56:57.866	117HA105A106A4E	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,720:78:0	
2924	96	252	08:57:35.866	117HA105A106A4F	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,721:44:0	
2925	96	252	08:57:51.866	117HA105A106A4G	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,721:68:0	
2926	96	252	08:58:29.866	117HA105A106A4H	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,722:34:0	
2927	96	252	08:58:45.866	117HA105A106A4I	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,722:58:0	
2928	96	252	08:59:23.866	117HA105A106A4J	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,723:24:0	
2929	96	252	08:59:39.866	117HA105A106A4K	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,723:48:0	
2930	96	252	09:00:17.866	117HA105A106A4L	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,724:14:0	
2931	96	252	09:00:33.866	117HA105A106A4M	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,724:38:0	
2932	96	252	09:01:11.866	117HA105A106A4N	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,725:04:0	
2933	96	252	09:01:27.866	117HA105A106A4O	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,725:28:0	
2934	96	252	09:02:05.866	117HA105A106A4P	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,725:85:0	
2935	96	252	09:02:21.866	117HA105A106A4Q	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,726:18:0	
2936	96	252	09:02:59.866	117HA105A106A4R	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,726:75:0	
2937	96	252	09:03:15.866	117HA105A106A4S	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,727:08:0	
2938	96	252	09:03:53.866	117HA105A106A4T	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,727:65:0	
2939	96	252	09:04:09.866	117HA105A106A4U	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,727:89:0	
2940	96	252	09:04:47.866	117HA105A106A4V	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,728:55:0	
2941	96	252	09:05:03.866	117HA105A106A4W	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,728:79:0	
2942	96	252	09:05:41.866	117HA105A106A4X	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,729:45:0	
2943	96	252	09:05:57.866	117HA105A106A4Y	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,729:69:0	
2944	96	252	09:06:35.866	117HA105A106A4Z	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,730:35:0	
2945	96	252	09:06:51.866	117HA105A106A4AA	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,730:59:0	
2946	96	252	09:07:29.866	117HA105A106A4AB	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,731:25:0	
2947	96	252	09:07:45.866	117HA105A106A4AC	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,731:49:0	
2948	96	252	09:08:23.866	117HA105A106A4AD	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,732:15:0	
2949	96	252	09:08:39.866	117HA105A106A4AE	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,732:39:0	
2950	96	252	09:09:17.866	117HA105A106A4AF	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,733:05:0	
2951	96	252	09:09:33.866	117HA105A106A4AG	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,733:29:0	
2952	96	252	09:10:11.866	117HA105A106A4AH	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,733:86:0	
2953	96	252	09:10:27.866	117HA105A106A4AI	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,734:19:0	
2954	96	252	09:11:05.866	117HA105A106A4AJ	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,734:76:0	
2955	96	252	09:11:21.866	117HA105A106A4AK	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,735:09:0	
2956	96	252	09:11:59.866	117HA105A106A4AL	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,735:66:0	
2957	96	252	09:12:15.866	117HA105A106A4AM	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,735:90:0	
2958	96	252	09:12:53.866	117HA105A106A4AN	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,736:56:0	
2959	96	252	09:13:09.866	117HA105A106A4AO	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,736:80:0	
2960	96	252	09:13:47.866	117HA105A106A4AP	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,737:46:0	
2961	96	252	09:14:03.866	117HA105A106A4AQ	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,737:70:0	
2962	96	252	09:14:41.866	117HA105A106A4AR	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,738:36:0	
2963	96	252	09:14:57.866	117HA105A106A4AS	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,738:60:0	
2964	96	252	09:15:35.866	117HA105A106A4AT	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,739:26:0	
2965	96	252	09:15:51.866	117HA105A106A4AU	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,739:50:0	
2966	96	252	09:16:29.866	117HA105A106A4AV	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,740:16:0	
2967	96	252	09:16:45.866	117HA105A106A4AW	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,740:40:0	
2968	96	252	09:17:23.866	117HA105A106A4AX	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,741:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2969	96	252	09:17:39.866	117HA105A106A4AY	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,741	30:0
2970	96	252	09:18:17.866	117HA105A106A4AZ	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,741	87:0
2971	96	252	09:18:33.866	117HA105A106A4BA	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,742	20:0
2972	96	252	09:19:11.866	117HA105A106A4BB	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,742	77:0
2973	96	252	09:19:27.866	117HA105A106A4BC	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,743	10:0
2974	96	252	09:20:05.866	117HA105A106A4BD	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,743	67:0
2975	96	252	09:20:21.866	117HA105A106A4BE	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,744	00:0
2976	96	252	09:20:59.866	117HA105A106A4BF	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,744	57:0
2977	96	252	09:21:15.866	117HA105A106A4BG	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,744	81:0
2978	96	252	09:21:53.866	117HA105A106A4BH	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,745	47:0
2979	96	252	09:22:09.866	117HA105A106A4BI	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,745	71:0
2980	96	252	09:22:47.866	117HA105A106A4BJ	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,746	37:0
2981	96	252	09:23:03.866	117HA105A106A4BK	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,746	61:0
2982	96	252	09:23:41.866	117HA105A106A4BL	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,747	27:0
2983	96	252	09:23:57.866	117HA105A106A4BM	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,747	51:0
2984	96	252	09:24:35.866	117HA105A106A4BN	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,748	17:0
2985	96	252	09:24:51.866	117HA105A106A4BO	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,748	41:0
2986	96	252	09:25:29.866	117HA105A106A4BP	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,749	07:0
2987	96	252	09:25:45.866	117HA105A106A4BQ	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,749	31:0
2988	96	252	09:26:23.866	117HA105A106A4BR	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,749	88:0
2989	96	252	09:26:39.866	117HA105A106A4BS	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,750	21:0
2990	96	252	09:27:17.866	117HA105A106A4BT	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,750	78:0
2991	96	252	09:27:33.866	117HA105A106A4BU	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,751	11:0
2992	96	252	09:28:11.866	117HA105A106A4BV	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,751	68:0
2993	96	252	09:28:27.866	117HA105A106A4BW	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,752	01:0
2994	96	252	09:29:05.866	117HA105A106A4BX	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,752	58:0
2995	96	252	09:29:21.866	117HA105A106A4BY	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,752	82:0
2996	96	252	09:29:59.866	117HA105A106A4BZ	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,753	48:0
2997	96	252	09:30:15.866	117HA105A106A4CA	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,753	72:0
2998	96	252	09:30:53.866	117HA105A106A4CB	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,754	38:0
2999	96	252	09:31:09.866	117HA105A106A4CC	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,754	62:0
3000	96	252	09:31:47.866	117HA105A106A4CD	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,755	28:0
3001	96	252	09:32:03.866	117HA105A106A4CE	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,755	52:0
3002	96	252	09:32:41.866	117HA105A106A4CF	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,756	18:0
3003	96	252	09:32:57.866	117HA105A106A4CG	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,756	42:0
3004	96	252	09:33:35.866	117HA105A106A4CH	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,757	08:0
3005	96	252	09:33:51.866	117HA105A106A4CI	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,757	32:0
3006	96	252	09:34:29.866	117HA105A106A4CJ	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,757	89:0
3007	96	252	09:34:45.866	117HA105A106A4CK	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,758	22:0
3008	96	252	09:35:23.866	117HA105A106A4CL	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,758	79:0
3009	96	252	09:35:39.866	117HA105A106A4CM	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,759	12:0
3010	96	252	09:36:17.866	117HA105A106A4CN	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,759	69:0
3011	96	252	09:36:33.866	117HA105A106A4CO	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,760	02:0
3012	96	252	09:37:11.866	117HA105A106A4CP	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,760	59:0
3013	96	252	09:37:27.866	117HA105A106A4CQ	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,760	83:0
3014	96	252	09:38:05.866	117HA105A106A4CR	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,761	49:0
3015	96	252	09:38:21.866	117HA105A106A4CS	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,761	73:0
3016	96	252	09:38:59.866	117HA105A106A4CT	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,762	39:0
3017	96	252	09:39:15.866	117HA105A106A4CU	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,762	63:0
3018	96	252	09:39:53.866	117HA105A106A4CV	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,763	29:0
3019	96	252	09:40:09.866	117HA105A106A4CW	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,763	53:0
3020	96	252	09:40:47.866	117HA105A106A4CX	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,764	19:0
3021	96	252	09:41:03.866	117HA105A106A4CY	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,764	43:0
3022	96	252	09:41:41.866	117HA105A106A4CZ	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,765	09:0
3023	96	252	09:41:57.866	117HA105A106A4DA	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,765	33:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3024	96	252	09:42:35.866	117HA105A106A4DB	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,765:90:0	
3025	96	252	09:42:51.866	117HA105A106A4DC	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,766:23:0	
3026	96	252	09:43:29.866	117HA105A106A4DD	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,766:80:0	
3027	96	252	09:43:45.866	117HA105A106A4DE	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,767:13:0	
3028	96	252	09:44:23.866	117HA105A106A4DF	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,767:70:0	
3029	96	252	09:44:39.866	117HA105A106A4DG	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,768:03:0	
3030	96	252	09:45:17.866	117HA105A106A4DH	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,768:60:0	
3031	96	252	09:45:33.866	117HA105A106A4DI	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,768:84:0	
3032	96	252	09:46:11.866	117HA105A106A4DJ	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,769:50:0	
3033	96	252	09:46:27.866	117HA105A106A4DK	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,769:74:0	
3034	96	252	09:47:05.866	117HA105A106A4DL	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,770:40:0	
3035	96	252	09:47:21.866	117HA105A106A4DM	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,770:64:0	
3036	96	252	09:47:59.866	117HA105A106A4DN	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,771:30:0	
3037	96	252	09:48:15.866	117HA105A106A4DO	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,771:54:0	
3038	96	252	09:48:53.866	117HA105A106A4DP	7STRP	-0.002,-0.00953,	Slew =,17.3	2R3	4	0	3,601,772:20:0	
3039	96	252	09:49:09.866	117HA105A106A4DQ	7STRP	0.0,0.0095,0,0,0	Slew =,0.41	2R3	4	0	3,601,772:44:0	
3040	96	252	09:49:47.866	117HA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,601,773:10:0	
3041	96	252	09:59:59.866	488AC6C	6TMSED	NORM,DL5	Sci, Eng, and D/L Chan	2R3	4	0	3,601,783:18:0	
3042	**96**	**252**	**10:05:55.999**	**G2NNMMRYLD02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3043	**96**	**252**	**10:06:56.533**	**20EC5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,601,790:06:0**	
3044	**96**	**252**	**10:07:57.200**	**20EC5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,601,791:06:0**	
3045	**96**	**252**	**10:08:57.866**	**20EC6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,601,792:06:0**	
3046	**96**	**252**	**10:09:58.533**	**20EC6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,601,793:06:0**	
3047	**96**	**252**	**10:10:59.200**	**20EC6C**	**6CKSUM**	**NIMS**	**NIMS,1000,14B3**	**2R3**	**4**	**0**	**3,601,794:06:0**	
3048	**96**	**252**	**10:11:59.866**	**20EC5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,601,795:06:0**	
3049	**96**	**252**	**10:13:00.533**	**20EC5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,601,796:06:0**	
3050	**96**	**252**	**10:14:01.200**	**20EC4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,601,797:06:0**	
3051	**96**	**252**	**10:15:01.999**	**G2NNMMRYLD02-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
3052	96	252	12:58:40.533	488AC6D	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R0	4	0	3,601,959:83:0	
3053	96	252	13:19:43.200	165IL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	2R0	4	0	3,601,980:66:0	
3054	96	252	13:19:43.866	165IL4B	7SCAN	NORM,289.174999,	Check S/P Position	2R0	4	0	3,601,980:67:0	
3055	96	252	13:23:36.533	175IL422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,601,984:52:0	
3056	96	252	13:23:44.600		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *1721.46 +/- 6	2R0	4	0	3,601,984:64:1	
3057	96	252	13:23:45.866	165IL4C	7VECT		Inert vect update UTC	2R0	4	0	3,601,984:66:0	
3058	96	252	13:23:46.533	165IL4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	2R0	4	0	3,601,984:67:0	
3059	96	252	13:23:48.533	175IL176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R0	4	0	3,601,984:70:0	
3060	96	252	13:23:48.600		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 1715.19 +/- 6	2R0	4	0	3,601,984:70:1	
3061	96	252	13:23:48.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1715.19 +/- 6	2R0	4	0	3,601,984:70:1	
3062	96	252	13:23:53.866		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1696.67 +/- 6	2R0	4	0	3,601,984:78:0	
3063	96	252	13:23:53.866	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,601,984:78:0	
3064	96	252	13:28:39.866	175IQ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,601,989:52:0	
3065	96	252	13:28:47.933		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *1697.15 +/- 6	2R0	4	0	3,601,989:64:1	
3066	96	252	13:28:51.866	175IQ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R0	4	0	3,601,989:70:0	
3067	96	252	13:28:51.933		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 1690.88 +/- 7	2R0	4	0	3,601,989:70:1	
3068	96	252	13:28:51.933		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1690.88 +/- 7	2R0	4	0	3,601,989:70:1	
3069	96	252	13:28:57.200		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1672.37 +/- 7	2R0	4	0	3,601,989:78:0	
3070	96	252	13:28:57.200	175IQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,601,989:78:0	
3071	96	252	13:33:43.200	175LA422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,601,994:52:0	
3072	96	252	13:33:51.266		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *1672.84 +/- 7	2R0	4	0	3,601,994:64:1	
3073	96	252	13:33:55.200	175LA176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R0	4	0	3,601,994:70:0	
3074	96	252	13:33:55.266		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 1666.57 +/- 7	2R0	4	0	3,601,994:70:1	
3075	96	252	13:33:55.266		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1666.57 +/- 7	2R0	4	0	3,601,994:70:1	
3076	96	252	13:34:01.200		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1645.72 +/- 7	2R0	4	0	3,601,994:79:0	
3077	96	252	13:34:01.200	175LA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,601,994:79:0	
3078	**96**	**252**	**13:54:26.666**	**G2NNPCTCAL01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3079	96	252	13:54:59.866	444UB443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	2R0	4	0	3,602,015:56:0	
3080	96	252	14:00:59.866	444UC443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	2R0	4	0	3,602,021:50:0	
3081	96	252	14:04:59.866	444UC443A4B	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	2R0	4	0	3,602,025:46:0	
3082	96	252	14:13:59.866	444UC443A4C	**7CLK**	**17.45,0.0**	Check S/P Position	2R0	4	0	3,602,034:37:0	
3083	96	252	14:26:39.200	127EP	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	3,602,046:84:0	
3084	**96**	**252**	**14:26:39.866**	**127EP4A**	**37ETB**	**0A,CA,19,FF,C0,1**	**Loads wavelength edit table**	**2R0**	**4**	**0**	**3,602,046:85:0**	
3085	96	252	14:26:47.866	127EP11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R0	4	0	3,602,047:06:0	
3086	**96**	**252**	**14:40:48.533**	**157EP156A121A4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,602,060:84:0**	
3087	**96**	**252**	**14:41:49.200**	**157EP156A121B4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**3,602,061:84:0**	
3088	96	252	14:41:53.866	192EP4A	**7CONE**	**17.0,110.0**	Check S/P Position	4R3	4	0	3,602,062:00:0	
3089	96	252	14:41:54.533	192EP4B	**7CLK**	**17.0,90.0**	Check S/P Position	4R3	4	0	3,602,062:01:0	
3090	96	252	14:44:24.533	488AD6A	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	4R3	4	0	3,602,064:44:0	
3091	96	252	14:44:43.200	175EP422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,602,064:72:0	
3092	96	252	14:44:51.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1646.19 +/- 7	4R3	4	0	3,602,064:84:1	
3093	96	252	14:44:52.533	175EP176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,602,064:86:0	
3094	96	252	14:44:52.733		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1646.08 +/- 7	4R3	4	0	3,602,064:86:3	
3095	96	252	14:44:52.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1646.08 +/- 7	4R3	4	0	3,602,064:86:3	
3096	96	252	14:48:09.866	175EP422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,602,068:18:0	
3097	96	252	14:48:09.866	175EP6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,602,068:18:0	
3098	96	252	14:48:09.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1599.87 +/- 7	4R3	4	0	3,602,068:18:0	
3099	96	252	14:49:35.866	488AD6B	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,602,069:56:0	
3100	96	252	14:49:59.200	192EP4C	**7CONE**	**17.0,54.88**	Check S/P Position	4R3	4	0	3,602,070:00:0	
3101	96	252	14:49:59.866	192EP4D	**7CLK**	**17.0,244.07**	Check S/P Position	4R3	4	0	3,602,070:01:0	
3102	96	252	14:52:48.533	175ER422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,602,072:72:0	
3103	96	252	14:52:56.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1601.21 +/- 7	4R3	4	0	3,602,072:84:1	
3104	96	252	14:52:57.866	175ER176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,602,072:86:0	
3105	96	252	14:52:58.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1601.09 +/- 7	4R3	4	0	3,602,072:86:3	
3106	96	252	14:52:58.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1601.09 +/- 7	4R3	4	0	3,602,072:86:3	
3107	**96**	**252**	**14:53:01.198**	**G2NNPCTCAL01-**	**NIMPBK**	**301ER**	**PCTCAL**	**4R3**	**4**	**0**	**: :**	
3108	96	252	14:56:05.198	G2NNPCTCAL01-	**DESELC**	300ER	PCTCAL	4R3	4	0	: :	
3109	96	252	14:56:15.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1554.89 +/- 7	4R3	4	0	3,602,076:18:0	
3110	96	252	14:56:15.200	175ER6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,602,076:18:0	
3111	96	252	14:56:15.200	175ER422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,602,076:18:0	
3112	96	252	14:58:04.533	192EP4E	**7CONE**	**17.0,110.0**	Check S/P Position	4R3	4	0	3,602,078:00:0	
3113	96	252	14:58:05.200	192EP4F	**7CLK**	**17.0,90.0**	Check S/P Position	4R3	4	0	3,602,078:01:0	
3114	96	252	15:00:53.866	175EQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,602,080:72:0	
3115	**96**	**252**	**15:01:01.866**	**157EP156A121C4A**	**37IST**	**0,2,1,OFF,1,1,1**	**OPCALGain State 4**	**4R3**	**4**	**0**	**3,602,080:84:0**	
3116	96	252	15:01:01.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1556.22 +/- 7	4R3	4	0	3,602,080:84:1	
3117	96	252	15:01:03.200	175EQ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,602,080:86:0	
3118	96	252	15:01:03.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1556.10 +/- 7	4R3	4	0	3,602,080:86:3	
3119	96	252	15:01:03.400		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1556.10 +/- 7	4R3	4	0	3,602,080:86:3	
3120	96	252	15:04:08.533	192EP4G	**7CONE**	**17.0,153.0**	Check S/P Position	4R3	4	0	3,602,084:00:0	
3121	96	252	15:04:09.200	192EP4H	**7CLK**	**17.0,0.0**	Check S/P Position	4R3	4	0	3,602,084:01:0	
3122	96	252	15:04:10.533	175EQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,602,084:03:0	
3123	96	252	15:04:10.533	175EQ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,602,084:03:0	
3124	96	252	15:04:10.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1512.24 +/- 7	4R3	4	0	3,602,084:03:0	
3125	96	252	15:10:59.866	444UD443A4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R3	4	0	3,602,090:71:0	
3126	96	252	15:14:59.866	444UD443A4B	**7MODE**	**CRU**	AACS CRUISE MODE	4R3	4	0	3,602,094:67:0	
3127	96	252	15:25:29.200	432OW431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	3,602,105:10:0	
3128	96	252	15:25:29.866	432OW6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,602,105:11:0	
3129	**96**	**252**	**15:38:35.333**	**G2NNPCTCAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3130	96	252	16:01:19.866	488AD6C	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,602,140:51:0	
3131	96	252	16:04:59.866		DMS:	: READY	RDY, TRACK 4, REV, TIC 1512.18 +/- 7	4R3	4	0	3,602,144:17:0	
3132	**96**	**252**	**16:05:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,602,144:17:2**	
3133	**96**	**252**	**16:05:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4R3**	**4**	**0**	**3,602,144:17:2**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3134	96	252	16:05:00.000	20A3EW	37A	Final Condition	NIMS Power ON	4R3	4	0	3,602,144:17:2	
3135	96	252	16:05:00.000	20A3FD	40HRPR	Final Condition	RCT Heater OFF (primary relay)	4R3	4	0	3,602,144:17:2	
3136	96	252	16:05:00.000	20A3EY	37C1PR	Final Condition	Optics Heater 1 OFF (primary relay)	4R3	4	0	3,602,144:17:2	
3137	96	252	16:05:00.000	20A3EZ	37C2PR	Final Condition	Optics Heater 2 OFF (primary relay)	4R3	4	0	3,602,144:17:2	
3138	96	252	16:05:00.000	20A3FA	37F1PR	Final Condition	Radiator Flash Heater OFF (primary relay)	4R3	4	0	3,602,144:17:2	
3139	96	252	16:05:00.000	20A3FB	37F2PR	Final Condition	Shield Flash Heater OFF (primary relay)	4R3	4	0	3,602,144:17:2	
3140	96	252	16:05:00.000	20A3FF	40T2R	Final Condition	PCT Heater 2 OFF	4R3	4	0	3,602,144:17:2	

Sequence:	G02B-AR	Created: 11/12/96	Begin: 96-252/16:05:00 Finish: 96-281/16:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	96	252	16:04:59.866		DMS:	: READY	RDY, TRACK 4, REV, TIC 1633.00 +/-	4R3	4	0	3,602,144:17:0
2	**96**	**252**	**16:05:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**4R3**	**4**	**0**	**3,602,144:17:2**
3	**96**	**252**	**16:05:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**4R3**	**4**	**0**	**3,602,144:17:2**
4	**96**	**252**	**16:05:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,602,144:17:2**
5	**96**	**252**	**16:05:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**3,602,144:17:2**
6	**96**	**252**	**16:05:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,602,144:17:2**
7	**96**	**252**	**16:05:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,602,144:17:2**
8	**96**	**252**	**16:05:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,602,144:17:2**
9	**96**	**252**	**16:05:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,602,144:17:2**
10	**96**	**252**	**16:05:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**4R3**	**4**	**0**	**3,602,144:17:2**
11	96	252	16:06:49.200	432JB431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	3,602,145:90:0
12	96	252	16:06:49.866	432JB6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,602,146:00:0
13	**96**	**252**	**16:06:49.866**	**432JB6B**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**4R3**	**4**	**0**	**3,602,146:00:0**
14	96	252	16:06:59.866	488A6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,602,146:15:0
15	**96**	**252**	**16:07:59.866**	**432SA6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4R3**	**4**	**0**	**3,602,147:14:0**
16	96	252	16:10:59.866	481UF4A	7VECT		Inert vect update UTC	4R3	4	0	3,602,150:11:0
17	96	252	16:21:19.866	20UN4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R3	4	0	3,602,160:31:0
18	96	252	16:26:29.866	20UN6A	6MROH	7,73C0,0,A2	read from AACSA7,73C0,0,A2	4R3	4	0	3,602,165:41:0
19	96	252	16:33:09.866	20UN6B	6MROH	7,73C0,0,A2	read from AACSA7,73C0,0,A2	4R3	4	0	3,602,172:04:0
20	96	252	16:36:15.866	488A6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,602,175:10:0
21	96	252	16:40:19.866	20UN4D	**7MODE**	**INT**	AACS INERTIAL MODE	4R3	4	0	3,602,179:12:0
22	96	252	16:43:56.533	488A6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,602,182:64:0
23	96	252	17:20:44.533	488A6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,602,219:09:0
24	96	252	21:05:03.866	488A6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,602,440:87:0
25	96	252	21:53:19.200	488B6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,602,488:62:0
26	96	252	22:02:39.866	488B6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,602,497:84:0
27	96	252	22:47:17.866	488B6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,602,542:06:0
28	96	252	22:57:48.533	488B6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,602,552:42:0
29	96	252	23:29:44.533	165HB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,602,584:04:0
30	96	252	23:29:45.200	165HB4B	7SCAN	NORM,310.285999,	Check S/P Position	4R3	4	0	3,602,584:05:0
31	**96**	**252**	**23:30:46.666**	**G2NNRECOVY04-**		**-----START------**		**4R3**	**4**	**0**	**: :**
32	96	252	23:31:38.533	125FX11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,602,585:84:0
33	96	252	23:31:38.533	125FX	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,602,585:84:0
34	**96**	**252**	**23:31:38.533**	**125FX4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,602,585:84:0**
35	**96**	**252**	**23:32:39.200**	**127FX4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,602,586:84:0**
36	96	252	23:32:39.200	127FX	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,602,586:84:0
37	**96**	**252**	**23:32:39.866**	**127FX4B**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,602,586:85:0**
38	96	252	23:32:47.866	127FX11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,602,587:06:0
39	**96**	**252**	**23:33:03.866**	**432DM6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**3,602,587:30:0**
40	96	252	23:33:39.200	117HB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,602,587:83:0
41	96	252	23:33:48.533	117HB105A106A4A	7STRP	0.0,0.004,0,0,0,	Slew =,0.41	4R3	4	0	3,602,588:06:0
42	**96**	**252**	**23:34:03.200**	**432DN6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,602,588:28:0**
43	96	252	23:34:11.866	117HB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,602,588:41:0
44	**96**	**252**	**23:34:49.333**	**G2NNRECOVY04-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
45	96	253	00:49:03.866	488B6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,602,662:45:0
46	96	253	00:54:16.533	488C6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,602,667:59:0
47	96	253	02:39:49.866	165HC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,602,772:04:0
48	96	253	02:39:50.533	165HC4B	7SCAN	NORM,320.038998,	Check S/P Position	4R3	4	0	3,602,772:05:0
49	96	253	02:43:44.533	117HC	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,602,775:83:0
50	96	253	02:43:53.866	117HC105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.47	4R3	4	0	3,602,776:06:0
51	96	253	02:44:17.200	117HC11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,602,776:41:0
52	96	253	03:41:06.533	488C6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,602,832:59:0
53	96	253	04:11:04.533	488C6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,602,862:26:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	96	253	05:23:37.866	165HD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,602,934:04:0	
55	96	253	05:23:38.533	165HD4B	7SCAN	NORM,329.884998,	Check S/P Position	4R3	4	0	3,602,934:05:0	
56	96	253	05:27:32.533	117HD	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,602,937:83:0	
57	96	253	05:27:41.866	117HD105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.41	4R3	4	0	3,602,938:06:0	
58	96	253	05:28:05.200	117HD11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,602,938:41:0	
59	96	253	07:40:07.866	165HE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,603,069:04:0	
60	96	253	07:40:08.533	165HE4B	7SCAN	NORM,338.940998,	Check S/P Position	4R3	4	0	3,603,069:05:0	
61	96	253	07:44:02.533	117HE	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,603,072:83:0	
62	96	253	07:44:11.866	117HE105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.35	4R3	4	0	3,603,073:06:0	
63	96	253	07:44:35.200	117HE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,603,073:41:0	
64	96	253	09:40:27.200	165HF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,603,188:04:0	
65	96	253	09:40:27.866	165HF4B	7SCAN	NORM,347.285999,	Check S/P Position	4R3	4	0	3,603,188:05:0	
66	96	253	09:44:21.866	117HF	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,603,191:83:0	
67	96	253	09:44:31.200	117HF105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.34	4R3	4	0	3,603,192:06:0	
68	96	253	09:44:54.533	117HF11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,603,192:41:0	
69	96	253	09:59:59.866	488D6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4R3	4	0	3,603,207:34:0	
70	96	253	10:21:17.200	165IK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,603,228:39:0	
71	96	253	10:21:17.866	165IK4B	7SCAN	NORM,349.970997,	Check S/P Position	4R3	4	0	3,603,228:40:0	
72	96	253	10:21:46.533	175IK422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,603,228:83:0	
73	96	253	10:21:49.200	118IK	**SMOS**	GS		4R3	4	0	3,603,228:87:0	
74	96	253	10:21:50.533	165IK4C	7VECT		Inert vect update UTC	4R3	4	0	3,603,228:89:0	
75	96	253	10:21:51.200	165IK4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	4R3	4	0	3,603,228:90:0	
76	96	253	10:21:54.600		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *1634.39 +/-	4R3	4	0	3,603,229:04:1	
77	96	253	10:21:58.533	176IK6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	3,603,229:10:0	
78	96	253	10:21:58.600		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 1628.12 +/-	4R3	4	0	3,603,229:10:1	
79	96	253	10:21:58.600		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1628.12 +/-	4R3	4	0	3,603,229:10:1	
80	96	253	10:21:59.200	118IK110A111A4A	7STRP	0.0,0.00731,26,0	Slew =2,2.2	4R3	4	0	3,603,229:11:0	
81	96	253	10:22:07.866	118IK11A	**SMOS**	GE		4R3	4	0	3,603,229:24:0	
82	96	253	10:22:52.533	176IL6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	3,603,230:00:0	
83	96	253	10:23:23.800		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *1328.59 +/-	4R3	4	0	3,603,230:47:0	
84	96	253	10:23:23.800	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,603,230:47:0	
85	**96**	**253**	**10:25:58.466**	**G2CNGLOBAL01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
86	96	253	10:26:50.466	125EL	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,603,233:84:0	
87	96	253	10:26:50.466	125EL11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,603,233:84:0	
88	**96**	**253**	**10:26:50.466**	**125EL4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**3,603,233:84:0**	
89	96	253	10:27:28.466	165EL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,603,234:50:0	
90	96	253	10:27:29.133	165EL4B	7SCAN	NORM,350.660999,	Check S/P Position	4R3	4	0	3,603,234:51:0	
91	96	253	10:27:51.133	127EL	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,603,234:84:0	
92	**96**	**253**	**10:27:51.800**	**127EL4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,603,234:85:0**	
93	96	253	10:27:59.800	127EL11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,603,235:06:0	
94	96	253	10:27:59.800	117EL	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,603,235:06:0	
95	96	253	10:28:17.800	175EL422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R3	4	0	3,603,235:33:0	
96	96	253	10:28:25.866		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *1329.07 +/-	4R3	4	0	3,603,235:45:1	
97	96	253	10:28:29.133	165EL4C	7VECT		Inert vect update UTC	4R3	4	0	3,603,235:50:0	
98	96	253	10:28:29.800	165EL4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	4R3	4	0	3,603,235:51:0	
99	96	253	10:28:29.800	175EL176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	3,603,235:51:0	
100	96	253	10:28:29.866		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 1327.57 +/-	4R3	4	0	3,603,235:51:1	
101	96	253	10:28:29.866		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *1327.57 +/-	4R3	4	0	3,603,235:51:1	
102	96	253	10:28:30.466	117EL105A106A4A	7STRP	0.009,0.0,0,0,0,	Slew =,0.03	4R3	4	0	3,603,235:52:0	
103	**96**	**253**	**10:28:30.490**	**G2CNGLOBAL01-**	**NIMPBK**	**301EL**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
104	96	253	10:33:33.800	117EL105A106A4B	7STRP	-0.00925,0.0065,	Slew =0,5.0	4R3	4	0	3,603,240:52:0	
105	96	253	10:33:45.133	117EL105A106A4C	7STRP	0.009,0.0,0,0,0,	Slew =,0.03	4R3	4	0	3,603,240:69:0	
106	**96**	**253**	**10:38:47.823**	**G2CNGLOBAL01-**	**DESELC**	**300EL**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
107	96	253	10:38:48.466	117EL11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,603,245:69:0	
108	96	253	10:38:52.466		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC * 780.36 +/-	4R3	4	0	3,603,245:75:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	96	253	10:38:52.466	175EL422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,603,245:75:0	
110	**96**	**253**	**10:44:10.466**	**G2CNGLOBAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
111	**96**	**253**	**10:49:13.999**	**G2HNDARK__06-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
112	96	253	10:49:45.800	165EM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,603,256:54:0	
113	96	253	10:49:46.466	165EM4B	7SCAN	NORM,351.397999,	Check S/P Position	4R3	4	0	3,603,256:55:0	
114	96	253	10:53:07.800	127EM	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,603,259:84:0	
115	**96**	**253**	**10:53:08.466**	**127EM4A**	**37ETB**	**07,C7,05,FF,FF,3**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,603,259:85:0**	
116	96	253	10:53:16.466	127EM11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,603,260:06:0	
117	96	253	10:54:00.466	175EM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,603,260:72:0	
118	96	253	10:54:08.533		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 781.54 +/-	4R3	4	0	3,603,260:84:1	
119	96	253	10:54:09.800	175EM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,603,260:86:0	
120	96	253	10:54:10.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 781.42 +/-	4R3	4	0	3,603,260:86:3	
121	96	253	10:54:10.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 781.42 +/-	4R3	4	0	3,603,260:86:3	
122	**96**	**253**	**10:54:13.155**	**G2HNDARK 06-**	**NIMPBK**	**301EM**	**DARK SKY**	**4R3**	**4**	**0**	**: :**	
123	**96**	**253**	**10:55:13.822**	**G2HNDARK 06-**	**DESELC**	**300EM**	**DARK SKY**	**4R3**	**4**	**0**	**: :**	
124	96	253	10:55:25.133	175EM6A	**6TMREC**	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,603,262:17:0	
125	96	253	10:55:25.133	175EM422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,603,262:17:0	
126	96	253	10:55:25.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 763.81 +/-	4R3	4	0	3,603,262:17:0	
127	**96**	**253**	**10:56:18.666**	**G2HNDARK__06-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
128	96	253	10:59:15.133	165ET4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,603,265:89:0	
129	96	253	10:59:15.800	165ET4B	7SCAN	NORM,353.071999,	Check S/P Position	4R3	4	0	3,603,265:90:0	
130	**96**	**253**	**10:59:20.466**	**G2CNCALLRT01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
131	96	253	11:00:12.466	125EW	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,603,266:84:0	
132	**96**	**253**	**11:00:12.466**	**125EW4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,603,266:84:0**	
133	96	253	11:00:12.466	125EW11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,603,266:84:0	
134	96	253	11:01:13.133	127EW	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,603,267:84:0	
135	**96**	**253**	**11:01:13.800**	**127EW4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,603,267:85:0**	
136	96	253	11:01:21.800	127EW11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,603,268:06:0	
137	**96**	**253**	**11:02:38.466**	**432EW6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**3,603,269:30:0**	
138	96	253	11:03:09.800	117ET	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,603,269:77:0	
139	96	253	11:03:19.133	117ET105A106A4A	7STRP	0.0035,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,603,270:00:0	
140	**96**	**253**	**11:04:38.466**	**432EX6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,603,271:28:0**	
141	96	253	11:05:20.466	117ET11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,603,272:00:0	
142	**96**	**253**	**11:05:24.466**	**G2CNCALLRT01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
143	**96**	**253**	**11:06:16.466**	**127FS4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**3,603,272:84:0**	
144	**96**	**253**	**11:06:16.466**	**125FZ4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**3,603,272:84:0**	
145	96	253	11:06:16.466	127FS	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	3,603,272:84:0	
146	96	253	11:06:16.466	125FZ	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	3,603,272:84:0	
147	**96**	**253**	**11:06:17.133**	**127FS4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**3,603,272:85:0**	
148	**96**	**253**	**11:06:25.133**	**G2NNCHOPOF01-**		**-----START------**		**4R0**	**4**	**0**	**: :**	
149	96	253	11:06:25.133	127FS11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	3,603,273:06:0	
150	**96**	**253**	**11:07:17.133**	**125FZ4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,603,273:84:0**	
151	96	253	11:08:17.800	125FZ11A	NIMSINIT	GE	##### GROUP END INIT	460	4	0	3,603,274:84:0	
152	**96**	**253**	**11:08:17.800**	**125FZ4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**3,603,274:84:0**	
153	**96**	**253**	**11:16:31.799**	**G2NNCHOPOF01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
154	96	253	11:58:58.466	165HG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,603,325:04:0	
155	96	253	11:58:59.133	165HG4B	7SCAN	NORM,356.917999,	Check S/P Position	4O0	4	0	3,603,325:05:0	
156	96	253	12:02:53.133	117HG	**CSMOS**	GS	***** GROUP START CSMOS	4O0	4	0	3,603,328:83:0	
157	96	253	12:03:02.466	117HG105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.31	4O0	4	0	3,603,329:06:0	
158	96	253	12:03:25.800	117HG11A	**CSMOS**	GE	***** GROUP END CSMOS	4O0	4	0	3,603,329:41:0	
159	96	253	12:07:59.800	488D6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,603,333:88:0	
160	96	253	13:05:04.466	488D6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,603,390:38:0	
161	96	253	14:14:27.800	165HH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,603,459:04:0	
162	96	253	14:14:28.466	165HH4B	7SCAN	NORM,5.929,5.534	Check S/P Position	4O0	4	0	3,603,459:05:0	
163	96	253	14:18:22.466	117HH	**CSMOS**	GS	***** GROUP START CSMOS	4O0	4	0	3,603,462:83:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
164	96	253	14:18:31.800	117HH105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.31	4O0	4	0	3,603,463:06:0
165	96	253	14:18:55.133	117HH11A	**CSMOS**	GE	***** GROUP END CSMOS	4O0	4	0	3,603,463:41:0
166	96	253	14:19:44.466	488D6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,603,464:24:0
167	96	253	14:20:59.800	481UD4A	7VECT		Inert vect update UTC	4O0	4	0	3,603,465:46:0
168	96	253	14:23:51.133	488D6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,603,468:30:0
169	96	253	16:48:10.466	175LB422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4O0	4	0	3,603,611:06:0
170	96	253	16:48:18.533		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC * 765.14 +/-	4O0	4	0	3,603,611:18:1
171	96	253	16:48:22.466	175LB176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4O0	4	0	3,603,611:24:0
172	96	253	16:48:22.533		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC * 758.87 +/-	4O0	4	0	3,603,611:24:1
173	96	253	16:48:22.533		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 758.87 +/-	4O0	4	0	3,603,611:24:1
174	96	253	16:49:22.466		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC * 548.17 +/-	4O0	4	0	3,603,612:23:0
175	96	253	16:49:22.466	175LB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,603,612:23:0
176	96	253	16:59:16.466	165HI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,603,622:04:0
177	96	253	16:59:17.133	165HI4B	7SCAN	NORM,15.884,10.0	Check S/P Position	4O0	4	0	3,603,622:05:0
178	96	253	17:03:11.133	117HI	**CSMOS**	GS	***** GROUP START CSMOS	4O0	4	0	3,603,625:83:0
179	96	253	17:03:20.466	117HI105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.31	4O0	4	0	3,603,626:06:0
180	96	253	17:03:43.800	117HI11A	**CSMOS**	GE	***** GROUP END CSMOS	4O0	4	0	3,603,626:41:0
181	96	253	17:05:03.800	20UF4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,603,627:70:0
182	96	253	17:18:56.466	488E6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,603,641:45:0
183	96	253	17:26:01.133	488E6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,603,648:45:0
184	96	253	19:05:30.466	465KD6A	6DTRN	CMD,6DTRN,465KD6	DMS TRACK TURNAROUND	4O0	4	0	3,603,746:81:0
185	**96**	**253**	**20:14:21.133**	**432JC6B**	**6RTDS2**	**NIMNCG,AACDSL,RT**	**AACS DESELECT**	**4O0**	**4**	**0**	**3,603,814:89:0**
186	96	253	20:47:59.800	488E6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,603,848:23:0
187	96	253	21:19:59.800	41SB99A	**POWER**	**PWR MODE change**	Change to Maneuver Mode	4O0	4	0	3,603,879:82:0
188	**96**	**253**	**21:20:03.800**	**41SB3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,603,879:88:0**
189	**96**	**253**	**21:20:13.800**	**41SB3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,603,880:12:0**
190	**96**	**253**	**21:22:23.800**	**41SB3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,603,882:25:0**
191	**96**	**253**	**21:22:33.800**	**41SB3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,603,882:40:0**
192	**96**	**253**	**21:22:43.800**	**41SB3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,603,882:55:0**
193	**96**	**253**	**21:22:53.800**	**41SB3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,603,882:70:0**
194	96	253	21:22:59.800	488E6D	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	3,603,882:79:0
195	96	253	21:28:31.800	488E6E	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	3,603,888:31:0
196	96	253	21:30:29.800	20A4A	7STAT	17.45,7.8223,4.8	Stator inertial point	4O0	4	0	3,603,890:26:0
197	96	253	21:37:01.800	468A412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	3,603,896:68:0
198	96	253	21:41:59.800	468A412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,603,901:60:0
199	96	253	21:46:09.800	468A412A4E	7VECT		Inert vect update UTC	4O0	4	0	3,603,905:71:0
200	96	253	21:46:13.800	468A412A4F	7TURN	1,MVR	ALERT Thruster	4O0	4	0	3,603,905:77:0
201	96	253	21:49:59.800	20A6C	6TMSED	FILL,AH1	Sci, Eng, and D/L Chan	4O0	4	0	3,603,909:52:0
202	**96**	**253**	**21:50:01.800**	**20A6D**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**4O0**	**4**	**0**	**3,603,909:55:0**
203	**96**	**253**	**22:18:21.800**	**20A6E**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,603,937:57:0**
204	96	253	22:26:01.800	468A416A4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,603,945:19:0
205	**96**	**253**	**22:29:21.800**	**20A6F**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**4O0**	**4**	**0**	**3,603,948:46:0**
206	96	253	22:30:15.800	468A416A4C	7BURN	11.1102,69.90599	ALERT -- Thruster fire	4O0	4	0	3,603,949:36:0
207	**96**	**253**	**23:23:03.800**	**20A6G**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,604,001:56:0**
208	**96**	**253**	**23:30:03.800**	**20A6H**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**4O0**	**4**	**0**	**3,604,008:49:0**
209	**96**	**254**	**00:06:11.800**	**20A6K**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,604,044:25:0**
210	96	254	00:08:11.800	468A416A4I	7BURN	11.1102,69.90599	ALERT -- Thruster fire	4O0	4	0	3,604,046:23:0
211	**96**	**254**	**00:13:11.800**	**20A6L**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**4O0**	**4**	**0**	**3,604,051:18:0**
212	**96**	**254**	**01:00:59.800**	**20A6M**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,604,098:43:0**
213	**96**	**254**	**01:07:59.800**	**20A6N**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**4O0**	**4**	**0**	**3,604,105:36:0**
214	**96**	**254**	**01:44:07.800**	**20A6P**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,604,141:12:0**
215	96	254	01:46:07.800	468A416A4O	7BURN	11.1102,69.90599	ALERT -- Thruster fire	4O0	4	0	3,604,143:10:0
216	**96**	**254**	**01:51:07.800**	**20A6Q**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**4O0**	**4**	**0**	**3,604,148:05:0**
217	**96**	**254**	**02:38:19.133**	**20A6R**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,604,194:66:0**
218	**96**	**254**	**02:45:19.133**	**20A6S**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**4O0**	**4**	**0**	**3,604,201:59:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	96	254	03:12:13.800	468A412B4B	**7MODE**	**INT**	AACS INERTIAL MODE	4O0	4	0	3,604,228:24:0	
220	**96**	**254**	**03:16:25.800**	**20A6U**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,604,232:38:0**	
221	96	254	03:17:11.800	468A412B4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,604,233:16:0	
222	96	254	03:21:25.800	468A412B4E	7TURN	1,RTH	ALERT Thruster	4O0	4	0	3,604,237:33:0	
223	**96**	**254**	**03:23:25.800**	**20A6V**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**4O0**	**4**	**0**	**3,604,239:31:0**	
224	96	254	04:00:59.800	20A4Y	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,604,276:45:0	
225	96	254	04:19:59.800	20A6W	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	4O0	4	0	3,604,295:26:0	
226	**96**	**254**	**04:20:01.800**	**20A6X**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,604,295:29:0**	
227	96	254	05:14:59.800	20A4AA	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,604,349:62:0	
228	96	254	13:29:59.800	444A443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	4O0	4	0	3,604,839:22:0	
229	96	254	13:34:59.800	41SA99A	**POWER**	**PWR MODE change**	Change to Data Taking Mode	4O0	4	0	3,604,844:17:0	
230	**96**	**254**	**13:35:00.334**	**G2NNSHDOFF01-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
231	**96**	**254**	**13:35:03.800**	**41SA3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,604,844:23:0**	
232	**96**	**254**	**13:35:13.800**	**41SA3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,604,844:38:0**	
233	**96**	**254**	**13:35:23.800**	**41SA3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,604,844:53:0**	
234	**96**	**254**	**13:35:33.800**	**41SA3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,604,844:68:0**	
235	**96**	**254**	**13:35:43.800**	**41SA3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,604,844:83:0**	
236	**96**	**254**	**13:35:53.800**	**41SA3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,604,845:07:0**	
237	96	254	13:37:03.800	488F6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,604,846:21:0	
238	96	254	13:46:55.800	432JD431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	3,604,855:90:0	
239	96	254	13:46:56.466	432JD6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,604,856:00:0	
240	**96**	**254**	**13:46:56.466**	**432JD6B**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**4O0**	**4**	**0**	**3,604,856:00:0**	
241	96	254	13:53:59.133	432OK431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	3,604,862:88:0	
242	96	254	13:53:59.800	432OK6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,604,862:89:0	
243	96	254	13:59:55.800	20GA6BA	6DMSC	P7,0	DMS Control Tape P/B 7.68kbps	4O0	4	0	3,604,868:77:0	
244	96	254	14:01:05.800	20GA6BB	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,604,870:00:0	
245	96	254	14:01:45.800	175HA422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4O0	4	0	3,604,870:60:0	
246	96	254	14:01:53.866		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC * 219.25 +/-	4O0	4	0	3,604,870:72:1	
247	96	254	14:01:57.866		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 220.75 +/-	4O0	4	0	3,604,870:78:1	
248	96	254	14:01:57.866		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC * 220.75 +/-	4O0	4	0	3,604,870:78:1	
249	96	254	14:01:59.133	175GA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,604,870:80:0	
250	96	254	14:01:59.133		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC * 221.87 +/-	4O0	4	0	3,604,870:80:0	
251	96	254	14:02:00.533		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC * 222.09 +/-	4O0	4	0	3,604,870:82:1	
252	96	254	14:02:01.800	175GA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	3,604,870:84:0	
253	96	254	14:02:02.000		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 222.21 +/-	4O0	4	0	3,604,870:84:3	
254	96	254	14:02:02.000		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 222.21 +/-	4O0	4	0	3,604,870:84:3	
255	96	254	14:02:43.133		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 231.85 +/-	4O0	4	0	3,604,871:55:0	
256	96	254	14:02:43.133	175GA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,604,871:55:0	
257	96	254	14:34:16.466	488F6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,604,902:74:0	
258	96	254	14:34:39.800	488F6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,604,903:18:0	
259	96	254	15:02:46.466	175HB422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4O0	4	0	3,604,931:00:0	
260	96	254	15:02:54.533		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC * 233.30 +/-	4O0	4	0	3,604,931:12:1	
261	96	254	15:02:58.533		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC * 234.80 +/-	4O0	4	0	3,604,931:18:1	
262	96	254	15:02:58.533		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 234.80 +/-	4O0	4	0	3,604,931:18:1	
263	96	254	15:02:59.800		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC * 235.91 +/-	4O0	4	0	3,604,931:20:0	
264	96	254	15:02:59.800	175GB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,604,931:20:0	
265	96	254	15:03:01.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC * 236.13 +/-	4O0	4	0	3,604,931:22:1	
266	96	254	15:03:02.666		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 236.25 +/-	4O0	4	0	3,604,931:24:3	
267	96	254	15:03:02.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 236.25 +/-	4O0	4	0	3,604,931:24:3	
268	96	254	15:03:23.133	175GB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,604,931:55:0	
269	96	254	15:03:23.133		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 241.05 +/-	4O0	4	0	3,604,931:55:0	
270	96	254	16:01:01.133	488F6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,604,988:55:0	
271	96	254	16:03:26.466	175HC422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4O0	4	0	3,604,991:00:0	
272	96	254	16:03:34.533		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC * 242.50 +/-	4O0	4	0	3,604,991:12:1	
273	96	254	16:03:38.533		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 244.00 +/-	4O0	4	0	3,604,991:18:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	96	254	16:03:38.533		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC * 244.00 +/-	4O0	4	0	3,604,991	18:1
275	96	254	16:03:39.800	175GC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,604,991	20:0
276	96	254	16:03:39.800		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC * 245.11 +/-	4O0	4	0	3,604,991	20:0
277	96	254	16:03:41.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC * 245.33 +/-	4O0	4	0	3,604,991	22:1
278	96	254	16:03:42.666		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 245.45 +/-	4O0	4	0	3,604,991	24:3
279	96	254	16:03:42.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 245.45 +/-	4O0	4	0	3,604,991	24:3
280	96	254	16:04:03.133	175GC422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,604,991	55:0
281	96	254	16:04:03.133		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 250.25 +/-	4O0	4	0	3,604,991	55:0
282	96	254	16:33:01.133	488G6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,605,020	23:0
283	96	254	17:04:06.400	175HD422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4O0	4	0	3,605,051	00:0
284	96	254	17:04:14.466		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC * 251.70 +/-	4O0	4	0	3,605,051	12:1
285	96	254	17:04:18.466		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC * 253.20 +/-	4O0	4	0	3,605,051	18:1
286	96	254	17:04:18.466		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 253.20 +/-	4O0	4	0	3,605,051	18:1
287	96	254	17:04:19.733		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC * 254.32 +/-	4O0	4	0	3,605,051	20:0
288	96	254	17:04:19.733	175GD422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,605,051	20:0
289	96	254	17:04:21.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC * 254.54 +/-	4O0	4	0	3,605,051	22:1
290	96	254	17:04:22.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 254.65 +/-	4O0	4	0	3,605,051	24:3
291	96	254	17:04:22.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 254.65 +/-	4O0	4	0	3,605,051	24:3
292	96	254	17:04:43.066	175GD422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,605,051	55:0
293	96	254	17:04:43.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 259.45 +/-	4O0	4	0	3,605,051	55:0
294	96	254	17:18:56.400	488G6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,605,065	61:0
295	96	254	17:26:06.400	488G6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,605,072	69:0
296	96	254	18:04:46.400	175HE422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4O0	4	0	3,605,111	00:0
297	96	254	18:04:54.466		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC * 260.90 +/-	4O0	4	0	3,605,111	12:1
298	96	254	18:04:58.466		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC * 262.40 +/-	4O0	4	0	3,605,111	18:1
299	96	254	18:04:58.466		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 262.40 +/-	4O0	4	0	3,605,111	18:1
300	96	254	18:04:59.733		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC * 263.52 +/-	4O0	4	0	3,605,111	20:0
301	96	254	18:04:59.733	175GE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,605,111	20:0
302	96	254	18:05:01.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC * 263.74 +/-	4O0	4	0	3,605,111	22:1
303	96	254	18:05:02.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 263.86 +/-	4O0	4	0	3,605,111	24:3
304	96	254	18:05:02.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 263.86 +/-	4O0	4	0	3,605,111	24:3
305	96	254	18:05:23.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 268.65 +/-	4O0	4	0	3,605,111	55:0
306	96	254	18:05:23.066	175GE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,605,111	55:0
307	96	254	19:05:26.400	175HF422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4O0	4	0	3,605,171	00:0
308	96	254	19:05:34.466		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC * 270.11 +/-	4O0	4	0	3,605,171	12:1
309	96	254	19:05:38.466		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 271.61 +/-	4O0	4	0	3,605,171	18:1
310	96	254	19:05:38.466		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC * 271.61 +/-	4O0	4	0	3,605,171	18:1
311	96	254	19:05:39.733		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC * 272.72 +/-	4O0	4	0	3,605,171	20:0
312	96	254	19:05:39.733	175GF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,605,171	20:0
313	96	254	19:05:41.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC * 272.94 +/-	4O0	4	0	3,605,171	22:1
314	96	254	19:05:42.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 273.06 +/-	4O0	4	0	3,605,171	24:3
315	96	254	19:05:42.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 273.06 +/-	4O0	4	0	3,605,171	24:3
316	96	254	19:06:03.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 277.85 +/-	4O0	4	0	3,605,171	55:0
317	96	254	19:06:03.066	175GF422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,605,171	55:0
318	96	254	20:06:06.400	175HG422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4O0	4	0	3,605,231	00:0
319	96	254	20:06:14.466		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC * 279.31 +/-	4O0	4	0	3,605,231	12:1
320	96	254	20:06:18.466		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 280.81 +/-	4O0	4	0	3,605,231	18:1
321	96	254	20:06:18.466		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC * 280.81 +/-	4O0	4	0	3,605,231	18:1
322	96	254	20:06:19.733	175GG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,605,231	20:0
323	96	254	20:06:19.733		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC * 281.92 +/-	4O0	4	0	3,605,231	20:0
324	96	254	20:06:21.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC * 282.14 +/-	4O0	4	0	3,605,231	22:1
325	96	254	20:06:22.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 282.26 +/-	4O0	4	0	3,605,231	24:3
326	96	254	20:06:22.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 282.26 +/-	4O0	4	0	3,605,231	24:3
327	96	254	20:06:43.066	175GG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,605,231	55:0
328	96	254	20:06:43.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 287.06 +/-	4O0	4	0	3,605,231	55:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	96	254	20:48:00.400	488G6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,605,272	40:0
330	96	254	21:06:46.400	175HH422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4O0	4	0	3,605,291	00:0
331	96	254	21:06:54.466		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC * 288.51 +/-	4O0	4	0	3,605,291	12:1
332	96	254	21:06:58.466		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 290.01 +/-	4O0	4	0	3,605,291	18:1
333	96	254	21:06:58.466		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC * 290.01 +/-	4O0	4	0	3,605,291	18:1
334	96	254	21:06:59.733	175GH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,605,291	20:0
335	96	254	21:06:59.733		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC * 291.12 +/-	4O0	4	0	3,605,291	20:0
336	96	254	21:07:01.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC * 291.34 +/-	4O0	4	0	3,605,291	22:1
337	96	254	21:07:02.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 291.46 +/-	4O0	4	0	3,605,291	24:3
338	96	254	21:07:02.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 291.46 +/-	4O0	4	0	3,605,291	24:3
339	96	254	21:07:23.066	175GH422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,605,291	55:0
340	96	254	21:07:23.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 296.26 +/-	4O0	4	0	3,605,291	55:0
341	96	254	21:44:04.400	488G6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,605,327	81:0
342	96	254	21:54:08.400	488H6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,605,337	77:0
343	96	254	22:07:26.400	175HI422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4O0	4	0	3,605,351	00:0
344	96	254	22:07:34.466		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC * 297.71 +/-	4O0	4	0	3,605,351	12:1
345	96	254	22:07:38.466		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 299.21 +/-	4O0	4	0	3,605,351	18:1
346	96	254	22:07:38.466		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC * 299.21 +/-	4O0	4	0	3,605,351	18:1
347	96	254	22:07:39.733		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC * 300.33 +/-	4O0	4	0	3,605,351	20:0
348	96	254	22:07:39.733	175GI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,605,351	20:0
349	96	254	22:07:41.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC * 300.55 +/-	4O0	4	0	3,605,351	22:1
350	96	254	22:07:42.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 300.66 +/-	4O0	4	0	3,605,351	24:3
351	96	254	22:07:42.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 300.66 +/-	4O0	4	0	3,605,351	24:3
352	96	254	22:08:03.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 305.46 +/-	4O0	4	0	3,605,351	55:0
353	96	254	22:08:03.066	175GI422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,605,351	55:0
354	96	254	22:36:59.066	488H6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,605,380	20:0
355	96	254	22:53:35.733	488H6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,605,396	59:0
356	96	254	23:34:24.400	488H6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,605,437	01:0
357	96	254	23:53:41.733	488H6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,605,456	08:0
358	96	255	00:08:46.400	175HK422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4O0	4	0	3,605,471	00:0
359	96	255	00:08:54.466		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC * 306.91 +/-	4O0	4	0	3,605,471	12:1
360	96	255	00:08:58.466		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 308.41 +/-	4O0	4	0	3,605,471	18:1
361	96	255	00:08:58.466		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC * 308.41 +/-	4O0	4	0	3,605,471	18:1
362	96	255	00:08:59.733	175GK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,605,471	20:0
363	96	255	00:08:59.733		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC * 309.53 +/-	4O0	4	0	3,605,471	20:0
364	96	255	00:09:01.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC * 309.75 +/-	4O0	4	0	3,605,471	22:1
365	96	255	00:09:02.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 309.86 +/-	4O0	4	0	3,605,471	24:3
366	96	255	00:09:02.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 309.86 +/-	4O0	4	0	3,605,471	24:3
367	96	255	00:09:23.066	175GK422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,605,471	55:0
368	96	255	00:09:23.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 314.66 +/-	4O0	4	0	3,605,471	55:0
369	96	255	02:10:06.400	175HM422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4O0	4	0	3,605,591	00:0
370	96	255	02:10:14.466		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC * 316.12 +/-	4O0	4	0	3,605,591	12:1
371	96	255	02:10:18.466		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC * 317.62 +/-	4O0	4	0	3,605,591	18:1
372	96	255	02:10:18.466		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 317.62 +/-	4O0	4	0	3,605,591	18:1
373	96	255	02:10:19.733		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC * 318.73 +/-	4O0	4	0	3,605,591	20:0
374	96	255	02:10:19.733	175GM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,605,591	20:0
375	96	255	02:10:21.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC * 318.95 +/-	4O0	4	0	3,605,591	22:1
376	96	255	02:10:22.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 319.07 +/-	4O0	4	0	3,605,591	24:3
377	96	255	02:10:22.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 319.07 +/-	4O0	4	0	3,605,591	24:3
378	96	255	02:10:43.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 323.86 +/-	4O0	4	0	3,605,591	55:0
379	96	255	02:10:43.066	175GM422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,605,591	55:0
380	96	255	02:11:07.066	175HN422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4O0	4	0	3,605,592	00:0
381	96	255	02:11:15.133		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC * 325.32 +/-	4O0	4	0	3,605,592	12:1
382	96	255	02:11:19.133		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 326.82 +/-	4O0	4	0	3,605,592	18:1
383	96	255	02:11:19.133		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC * 326.82 +/-	4O0	4	0	3,605,592	18:1

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	96	255	02:11:20.400		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC * 327.93 +/-	4O0	4	0	3,605,592:20:0	
385	96	255	02:11:20.400	175GN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,605,592:20:0	
386	96	255	02:11:21.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC * 328.15 +/-	4O0	4	0	3,605,592:22:1	
387	96	255	02:11:23.266		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 328.27 +/-	4O0	4	0	3,605,592:24:3	
388	96	255	02:11:23.266		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 328.27 +/-	4O0	4	0	3,605,592:24:3	
389	96	255	02:12:37.733	175GN422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,605,593:45:0	
390	96	255	02:12:37.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 345.72 +/-	4O0	4	0	3,605,593:45:0	
391	96	255	02:37:54.400	175KH422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4O0	4	0	3,605,618:45:0	
392	96	255	02:38:02.466		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC * 347.18 +/-	4O0	4	0	3,605,618:57:1	
393	96	255	02:38:06.400	175KH176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4O0	4	0	3,605,618:63:0	
394	96	255	02:38:06.466		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC * 348.68 +/-	4O0	4	0	3,605,618:63:1	
395	96	255	02:38:06.466		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 348.68 +/-	4O0	4	0	3,605,618:63:1	
396	96	255	02:38:19.733	175TA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,605,618:83:0	
397	96	255	02:38:19.733		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC * 360.34 +/-	4O0	4	0	3,605,618:83:0	
398	96	255	02:38:20.400	282NN431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	4O0	4	0	3,605,618:84:0	
399	96	255	02:38:21.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC * 360.56 +/-	4O0	4	0	3,605,618:85:1	
400	96	255	02:38:22.400	175TA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	3,605,618:87:0	
401	96	255	02:38:22.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 360.67 +/-	4O0	4	0	3,605,618:87:3	
402	96	255	02:38:22.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 360.67 +/-	4O0	4	0	3,605,618:87:3	
403	96	255	02:38:25.066	431FD6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	3,605,619:00:0	
404	96	255	02:45:29.066	428PW6A	6RCCLR			4O0	4	0	3,605,625:90:0	
405	96	255	02:45:29.733	428PW6B	6RCSET	12		4O0	4	0	3,605,626:00:0	
406	96	255	02:55:30.400	175NM422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4O0	4	0	3,605,635:82:0	
407	96	255	02:55:30.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 601.56 +/-	4O0	4	0	3,605,635:82:0	
408	96	255	02:55:31.800		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC * 601.62 +/-	4O0	4	0	3,605,635:84:1	
409	96	255	02:55:35.733	175NM176A6A	6TMREC	MPP	28.8 KBPS PWS RECORD Record Mode Change	4O0	4	0	3,605,635:90:0	
410	96	255	02:55:35.800		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC * 603.12 +/-	4O0	4	0	3,605,635:90:1	
411	96	255	02:55:35.800		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 603.12 +/-	4O0	4	0	3,605,635:90:1	
412	96	255	02:59:38.400	428PX6A	6RCCLR			4O0	4	0	3,605,639:90:0	
413	96	255	02:59:39.066	428PX6B	6RCSET	8		4O0	4	0	3,605,640:00:0	
414	96	255	03:01:40.400		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC * 923.57 +/-	4O0	4	0	3,605,642:00:0	
415	96	255	03:01:40.400	175TB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,605,642:00:0	
416	96	255	03:01:41.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC * 923.79 +/-	4O0	4	0	3,605,642:02:1	
417	96	255	03:01:43.066	175TB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	3,605,642:04:0	
418	96	255	03:01:43.266		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 923.91 +/-	4O0	4	0	3,605,642:04:3	
419	96	255	03:01:43.266		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 923.91 +/-	4O0	4	0	3,605,642:04:3	
420	96	255	03:11:47.066	428PY6A	6RCCLR			4O0	4	0	3,605,652:00:0	
421	96	255	03:18:49.733	432FD431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	3,605,658:88:0	
422	96	255	03:18:50.400	432FD6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,605,658:89:0	
423	96	255	03:18:51.733	432FE431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	3,605,659:00:0	
424	96	255	03:18:52.400	432FE6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,605,659:01:0	
425	96	255	03:18:53.733	175TB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,605,659:03:0	
426	96	255	03:18:53.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1165.43 +/-	4O0	4	0	3,605,659:03:0	
427	96	255	03:18:59.733	282NO431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	3,605,659:12:0	
428	96	255	03:19:48.400	282NO432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	3,605,659:85:0	
429	96	255	03:19:49.066	282NO432A6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,605,659:86:0	
430	96	255	03:19:52.400	20GA6BC	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	3,605,660:00:0	
431	96	255	03:29:59.733	20DZ4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4O0	4	0	3,605,670:01:0	
432	96	255	03:34:59.733	41SI99A	**POWER**	**PWR MODE change**	Change to Playback Mode	4O0	4	0	3,605,674:87:0	
433	**96**	**255**	**03:35:03.733**	**41SI3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,605,675:02:0**	
434	**96**	**255**	**03:35:13.733**	**41SI3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,605,675:17:0**	
435	**96**	**255**	**03:35:23.733**	**41SI3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,605,675:32:0**	
436	**96**	**255**	**03:35:33.733**	**41SI3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,605,675:47:0**	
437	**96**	**255**	**03:37:43.733**	**41SI3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,605,677:60:0**	
438	**96**	**255**	**03:37:53.733**	**41SI3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,605,677:75:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM	MF I
439	**96**	**255**	**03:45:59.733**	**20DC3A**	**37F2PR**		**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,605,685:76:0**	
440	**96**	**255**	**03:46:03.733**	**20DC3B**	**37F2PR**		**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,605,685:82:0**	
441	**96**	**255**	**03:46:09.733**	**20DC3C**	**40T1P**		**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,605,686:00:0**	
442	**96**	**255**	**03:46:13.733**	**20DC3D**	**40T1P**		**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,605,686:06:0**	
443	**96**	**255**	**03:46:19.733**	**20DC3E**	**40T2**		**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,605,686:15:0**	
444	**96**	**255**	**03:46:23.733**	**20DC3F**	**40T2**		**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,605,686:21:0**	
445	96	255	03:49:03.733	20UA4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	4O0	4	0	3,605,688:79:0	
446	96	255	03:49:53.733	20UA4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	3,605,689:63:0	
447	96	255	03:52:13.733	176SA6A	6TMREC	**IPB**		**INITIATE PLAYBACK (PB CONTROL) Record Mod**	4O0	4	0	3,605,692:00:0	
448	96	255	05:19:59.733	488I6A	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	3,605,778:73:0	
449	96	255	08:59:59.733	418JA6A	6BUFHI		5	MUB Buffer high water	4O0	4	0	3,605,996:35:0	
450	96	255	12:18:07.733	488J6A	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,606,192:31:0	
451	96	255	14:29:35.733	488J6B	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,606,322:33:0	
452	96	255	14:34:39.733	488J6C	6TMSED	FILL,AL1		Sci, Eng, and D/L Chan	4O0	4	0	3,606,327:34:0	
453	96	255	15:16:53.066	488J6D	6TMSED	NORM,AL1		Sci, Eng, and D/L Chan	4O0	4	0	3,606,369:12:0	
454	96	255	15:59:59.733	488J6E	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	4O0	4	0	3,606,411:70:0	
455	96	255	16:28:10.400	488K6A	6TMSED	FILL,AL2		Sci, Eng, and D/L Chan	4O0	4	0	3,606,439:58:0	
456	96	255	16:46:44.400	176SD6A	6TMREC	**PPB**		**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,606,458:00:0	
457	96	255	16:49:59.733	41SC99A	**POWER**	**PWR MODE change**		Change to Maneuver Mode	4O0	4	0	3,606,461:20:0	
458	**96**	**255**	**16:50:03.733**	**41SC3K**	**37F2PR**		**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,606,461:26:0**	
459	**96**	**255**	**16:50:13.733**	**41SC3L**	**37F2PR**		**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,606,461:41:0**	
460	**96**	**255**	**16:52:23.733**	**41SC3G**	**40T1P**		**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,606,463:54:0**	
461	**96**	**255**	**16:52:33.733**	**41SC3H**	**40T1P**		**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,606,463:69:0**	
462	**96**	**255**	**16:52:43.733**	**41SC3I**	**40T2**		**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,606,463:84:0**	
463	**96**	**255**	**16:52:53.733**	**41SC3J**	**40T2**		**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,606,464:08:0**	
464	96	255	16:52:59.733	488K6B	6TMSED	FILL,AH2		Sci, Eng, and D/L Chan	4O0	4	0	3,606,464:17:0	
465	96	255	17:01:59.733	20US4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	3,606,473:08:0	
466	96	255	17:02:59.733	20US4D	**7MODE**	**SPNL**		AACS ALL-SPIN LOW	4O0	4	0	3,606,474:07:0	
467	96	255	17:04:59.733	20US4E	**7SAFE**	**UNSTOW**		S/P TO 153 deg cone	4O0	4	0	3,606,476:05:0	
468	96	255	17:10:29.733	20US4G	7VENT	0.611,1.333,8		ALERT -- Thruster fire	4O0	4	0	3,606,481:45:0	
469	96	255	17:10:30.400	20US4H	7VENT	0.611,10.989,8		ALERT -- Thruster fire	4O0	4	0	3,606,481:46:0	
470	96	255	17:10:50.400	20US4I	7VENT	0.611,1.333,6		ALERT -- Thruster fire	4O0	4	0	3,606,481:76:0	
471	96	255	17:10:51.066	20US4J	7VENT	0.611,10.989,6		ALERT -- Thruster fire	4O0	4	0	3,606,481:77:0	
472	96	255	17:11:11.066	20US4K	7VENT	0.611,1.333,4		ALERT -- Thruster fire	4O0	4	0	3,606,482:16:0	
473	96	255	17:11:11.733	20US4L	7VENT	0.611,0.666,5		ALERT -- Thruster fire	4O0	4	0	3,606,482:17:0	
474	96	255	17:11:21.733	20US4M	7VENT	0.611,1.333,4		ALERT -- Thruster fire	4O0	4	0	3,606,482:32:0	
475	96	255	17:11:22.400	20US4N	7VENT	0.611,0.666,5		ALERT -- Thruster fire	4O0	4	0	3,606,482:33:0	
476	96	255	17:11:32.400	20US4O	7VENT	1.211,1.333,10		ALERT -- Thruster fire	4O0	4	0	3,606,482:48:0	
477	96	255	17:11:33.066	20US4P	7VENT	1.211,0.666,12		ALERT -- Thruster fire	4O0	4	0	3,606,482:49:0	
478	96	255	17:12:31.733	488K6C	6TMSED	FILL,AH3		Sci, Eng, and D/L Chan	4O0	4	0	3,606,483:46:0	
479	96	255	17:13:19.733	20US4S	7VENT	0.611,1.333,7		ALERT -- Thruster fire	4O0	4	0	3,606,484:27:0	
480	96	255	17:13:20.400	20US4T	7VENT	0.611,10.989,7		ALERT -- Thruster fire	4O0	4	0	3,606,484:28:0	
481	96	255	17:13:40.400	20US4U	7VENT	0.611,1.333,1		ALERT -- Thruster fire	4O0	4	0	3,606,484:58:0	
482	96	255	17:13:41.066	20US4V	7VENT	0.611,10.989,1		ALERT -- Thruster fire	4O0	4	0	3,606,484:59:0	
483	96	255	17:14:01.066	20US4AC	7VENT	0.611,1.333,2		ALERT -- Thruster fire	4O0	4	0	3,606,484:89:0	
484	96	255	17:14:01.733	20US4AD	7VENT	0.611,0.666,3		ALERT -- Thruster fire	4O0	4	0	3,606,484:90:0	
485	96	255	17:14:11.733	20US4AE	7VENT	0.611,1.333,2		ALERT -- Thruster fire	4O0	4	0	3,606,485:14:0	
486	96	255	17:14:12.400	20US4AF	7VENT	0.611,0.666,3		ALERT -- Thruster fire	4O0	4	0	3,606,485:15:0	
487	96	255	17:14:22.400	20US4W	7VENT	1.211,1.333,9		ALERT -- Thruster fire	4O0	4	0	3,606,485:30:0	
488	96	255	17:14:23.066	20US4X	7VENT	1.211,0.666,11		ALERT -- Thruster fire	4O0	4	0	3,606,485:31:0	
489	96	255	17:15:19.733	20US4Z	**7MODE**	**CRU**		AACS CRUISE MODE	4O0	4	0	3,606,486:25:0	
490	96	255	17:20:40.400	488K6D	6TMSED	NORM,AH3		Sci, Eng, and D/L Chan	4O0	4	0	3,606,491:51:0	
491	96	255	17:39:59.733	41SF99A	**POWER**	**PWR MODE change**		Change to Playback Mode	4O0	4	0	3,606,510:61:0	
492	**96**	**255**	**17:40:03.733**	**41SF3I**	**40T1PR**		**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,606,510:67:0**	
493	**96**	**255**	**17:40:13.733**	**41SF3J**	**40T1PR**		**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,606,510:82:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM MF I
494	**96**	**255**	**17:40:23.733**	**41SF3K**	**40T2R**		**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,606,511:06:0**
495	**96**	**255**	**17:40:33.733**	**41SF3L**	**40T2R**		**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,606,511:21:0**
496	**96**	**255**	**17:42:43.733**	**41SF3G**	**37F2P**		**1**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,606,513:34:0**
497	**96**	**255**	**17:42:53.733**	**41SF3H**	**37F2P**		**2**	**Shield Flash Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,606,513:49:0**
498	**96**	**255**	**17:50:59.733**	**20DD3A**	**37F2PR**		**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,606,521:50:0**
499	**96**	**255**	**17:51:03.733**	**20DD3B**	**37F2PR**		**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,606,521:56:0**
500	**96**	**255**	**17:51:09.733**	**20DD3C**	**40T1P**		**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,606,521:65:0**
501	**96**	**255**	**17:51:13.733**	**20DD3D**	**40T1P**		**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,606,521:71:0**
502	**96**	**255**	**17:51:19.733**	**20DD3E**	**40T2**		**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,606,521:80:0**
503	**96**	**255**	**17:51:23.733**	**20DD3F**	**40T2**		**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,606,521:86:0**
504	96	255	17:52:59.066	432OM431A6A	6RCDSL	DDSNCG,PLSNCG,EP		Record Deselect (DDS o	4O0	4	0	3,606,523:47:0
505	96	255	17:52:59.733	432OM6A	6RTSL1			R/T Select of DDS and	4O0	4	0	3,606,523:48:0
506	96	255	17:54:03.733	20UB4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	4O0	4	0	3,606,524:53:0
507	96	255	17:54:53.733	20UB4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	3,606,525:37:0
508	96	255	17:57:31.066	176UC6A	6TMREC	**RPB**		**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,606,528:00:0
509	96	255	19:00:59.733	488K6E	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,606,590:71:0
510	96	255	20:47:59.733	488L6A	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	4O0	4	0	3,606,696:55:0
511	96	255	21:43:31.733	488L6B	6TMSED	FILL,AL2		Sci, Eng, and D/L Chan	4O0	4	0	3,606,751:48:0
512	96	255	22:20:49.733	488L6C	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	4O0	4	0	3,606,788:38:0
513	96	255	22:38:55.733	488L6D	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,606,806:29:0
514	96	255	23:21:27.000	488L6E	6TMSED	FILL,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,606,848:34:0
515	96	255	23:21:36.333	488M6A	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,606,848:48:0
516	96	255	23:48:49.666	488M6B	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,606,875:41:0
517	96	256	02:41:50.333	488M6C	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,607,046:51:0
518	96	256	03:55:29.666	488M6D	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,607,119:37:0
519	96	256	04:30:00.333	418JB6A	6BUFHI		8	MUB Buffer high water	4O0	4	0	3,607,153:49:0
520	96	256	04:35:12.333	488M6E	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	3,607,158:62:0
521	96	256	08:24:06.333	41SK99A	**POWER**	**PWR MODE change**		Change to Calib/Decon Mode	4O0	4	0	3,607,385:06:0
522	**96**	**256**	**08:24:06.334**	**G2NNRCTRLT01-**		**-----START------**			**4O0**	**4**	**0**	**: :**
523	**96**	**256**	**08:24:06.334**	**G2NNSHDOFF01-**		**-----STOP-------**			**4O0**	**4**	**0**	**: :**
524	**96**	**256**	**08:24:10.333**	**41SK3G**	**37F2PR**		**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,607,385:12:0**
525	**96**	**256**	**08:24:20.333**	**41SK3H**	**37F2PR**		**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,607,385:27:0**
526	**96**	**256**	**08:24:30.333**	**41SK3I**	**40T1PR**		**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,607,385:42:0**
527	**96**	**256**	**08:24:40.333**	**41SK3J**	**40T1PR**		**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,607,385:57:0**
528	**96**	**256**	**08:24:50.333**	**41SK3K**	**40T2R**		**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,607,385:72:0**
529	**96**	**256**	**08:25:00.333**	**41SK3L**	**40T2R**		**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,607,385:87:0**
530	96	256	08:35:09.666	176XU6A	6TMREC	**PPB**		**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,607,396:00:0
531	96	256	08:38:15.666	20XE4A	**7SAFE**	**UNSTOW**		S/P TO 153 deg cone	4O0	4	0	3,607,399:06:0
532	96	256	08:42:22.333	20UG4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	4O0	4	0	3,607,403:12:0
533	96	256	08:43:12.333	20UG4B	7SLEW	DIS,POS,0.0		Stator movement	4O0	4	0	3,607,403:87:0
534	96	256	08:45:16.333	176XV6A	6TMREC	**RPB**		**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,607,406:00:0
535	**96**	**256**	**08:46:17.000**	**185XE10A3A**	**40HRP**		**1**	**RCT Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,607,407:00:0**
536	96	256	12:47:59.666	488N6A	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,607,646:05:0
537	96	256	14:29:34.333	488N6B	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,607,746:47:0
538	96	256	14:34:39.666	488N6C	6TMSED	FILL,AL1		Sci, Eng, and D/L Chan	4O0	4	0	3,607,751:50:0
539	96	256	15:16:45.000	488N6D	6TMSED	NORM,AL1		Sci, Eng, and D/L Chan	4O0	4	0	3,607,793:16:0
540	96	256	15:59:59.666	488N6E	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,607,835:86:0
541	96	256	16:36:15.666	488O6A	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,607,871:74:0
542	**96**	**256**	**20:41:03.666**	**125XE4A**	**37IST**	**1,0,0,OFF,0,0,0**		**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,608,113:84:0**
543	96	256	20:41:03.666	125XE	NIMSINIT	GS		##### GROUP START INIT	460	4	0	3,608,113:84:0
544	**96**	**256**	**20:42:04.333**	**125XE4B**	**37IST**	**1,2,0,OFF,0,0,0**		**Chopper ON, Sync, Chopper (Ref)**	**4R0**	**4**	**0**	**3,608,114:84:0**
545	**96**	**256**	**20:43:05.000**	**125XE4C**	**37IST**	**0,2,0,OFF,0,1,3**		**Gain State 1**	**1R0**	**4**	**0**	**3,608,115:84:0**
546	**96**	**256**	**20:44:05.666**	**125XE4D**	**37MB**	**1B,1B,0,0,0,0**		**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,608,116:84:0**
547	96	256	20:44:05.666	125XE11A	NIMSINIT	GE		##### GROUP END INIT	1R0	4	0	3,608,116:84:0
548	96	256	20:46:07.000	127XE	NIMSTAB	GS		%%%%% GROUP START TAB	1R0	4	0	3,608,118:84:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
549	**96**	**256**	**20:46:07.000**	**127XE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**3,608,118:84:0**
550	**96**	**256**	**20:46:07.666**	**127XE4B**	**37ETB**	**0A,CA,18,03,FF,1**	**Loads wavelength edit table**	**1R3**	**4**	**0**	**3,608,118:85:0**
551	96	256	20:46:15.666	127XE11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	3,608,119:06:0
552	96	256	20:47:59.666	488O6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1R3	4	0	3,608,120:71:0
553	96	256	20:50:14.333	176XE6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1R3	4	0	3,608,123:00:0
554	96	256	20:53:24.333	20UI4A	7STAT	17.45,70.413515,	Stator inertial point	1R3	4	0	3,608,126:12:0
555	96	256	20:56:18.333	192XE4A	**7CONE**	**17.0,119.7**	Check S/P Position	1R3	4	0	3,608,129:00:0
556	**96**	**256**	**20:58:39.666**	**432XE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,608,131:30:0**
557	**96**	**256**	**20:59:39.000**	**432XF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,608,132:28:0**
558	96	256	21:02:22.333	192XE4B	**7CONE**	**17.0,0.0**	Check S/P Position	1R3	4	0	3,608,135:00:0
559	**96**	**256**	**21:04:43.666**	**432XU6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,608,137:30:0**
560	**96**	**256**	**21:06:43.666**	**432XV6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,608,139:28:0**
561	96	256	21:08:26.333	192XE4C	**7CONE**	**17.0,119.7**	Check S/P Position	1R3	4	0	3,608,141:00:0
562	**96**	**256**	**21:10:27.666**	**185XE10B3A**	**40HRPR**	**1**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**3,608,143:00:0**
563	**96**	**256**	**21:10:47.666**	**432XW6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,608,143:30:0**
564	**96**	**256**	**21:11:47.000**	**432XY6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,608,144:28:0**
565	96	256	21:14:30.333	192XE4D	**7CONE**	**17.0,153.0**	Check S/P Position	1R3	4	0	3,608,147:00:0
566	96	256	21:15:26.333	127XF	NIMSTAB	GS	%%%%% GROUP START TAB	1R3	4	0	3,608,147:84:0
567	**96**	**256**	**21:15:26.333**	**127XF4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**1R0**	**4**	**0**	**3,608,147:84:0**
568	**96**	**256**	**21:15:27.000**	**127XF4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**1R0**	**4**	**0**	**3,608,147:85:0**
569	96	256	21:15:35.000	127XF11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R0	4	0	3,608,148:06:0
570	96	256	21:18:28.333	125XF	NIMSINIT	GS	##### GROUP START INIT	1R0	4	0	3,608,150:84:0
571	**96**	**256**	**21:18:28.333**	**125XF4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,608,150:84:0**
572	**96**	**256**	**21:19:29.000**	**125XF4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**3,608,151:84:0**
573	**96**	**256**	**21:20:29.666**	**125XF4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**1O0**	**4**	**0**	**3,608,152:84:0**
574	96	256	21:20:29.666	125XF11A	NIMSINIT	GE	##### GROUP END INIT	1O0	4	0	3,608,152:84:0
575	96	256	21:26:42.333	41SJ99A	**POWER**	**PWR MODE change**	Change to Playback Mode	1O0	4	0	3,608,159:06:0
576	**96**	**256**	**21:26:46.333**	**41SJ3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,608,159:12:0**
577	**96**	**256**	**21:26:56.333**	**41SJ3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,608,159:27:0**
578	**96**	**256**	**21:27:06.333**	**41SJ3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,608,159:42:0**
579	**96**	**256**	**21:27:16.333**	**41SJ3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,608,159:57:0**
580	**96**	**256**	**21:29:26.333**	**41SJ3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,608,161:70:0**
581	**96**	**256**	**21:29:36.333**	**41SJ3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,608,161:85:0**
582	96	256	21:36:53.000	20UH4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,608,169:12:0
583	96	256	21:37:43.000	20UH4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,608,169:87:0
584	96	256	21:39:47.000	176XF6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,608,172:00:0
585	**96**	**256**	**21:39:51.000**	**G2NNRCTRLT01-**		**-----STOP-------**		**1O0**	**4**	**0**	**: :**
586	96	256	21:40:32.333	488O6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,608,172:68:0
587	96	256	21:47:43.666	488O6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,608,179:78:0
588	96	256	22:26:42.333	488O6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,608,218:37:0
589	96	256	23:27:59.666	488P6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,608,279:02:0
590	96	257	04:05:19.666	488P6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,608,553:28:0
591	96	257	13:02:56.266	488Q6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,609,085:01:0
592	96	257	14:16:14.266	488Q6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,609,157:46:0
593	96	257	14:23:59.600	488Q6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,609,165:16:0
594	96	257	15:30:34.933	488Q6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,609,231:03:0
595	96	257	16:06:23.600	488Q6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,609,266:41:0
596	96	257	16:24:41.600	488R6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,609,284:50:0
597	96	257	17:01:29.600	488R6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,609,320:86:0
598	96	257	21:17:51.600	488R6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,609,574:45:0
599	96	257	21:48:13.600	488R6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,609,604:48:0
600	96	257	22:15:32.933	488R6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,609,631:50:0
601	96	257	22:53:51.600	488S6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,609,669:40:0
602	96	257	23:16:48.266	488S6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,609,692:12:0
603	96	257	23:44:06.933	488S6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,609,719:13:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	96	258	03:50:23.600	488S6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,609,962	65:0
605	96	258	13:17:52.200	488T6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,610,523	87:0
606	96	258	14:25:25.533	488T6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,610,590	70:0
607	96	258	14:32:32.200	488T6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,610,597	73:0
608	96	258	15:15:26.866	488T6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,610,640	22:0
609	96	258	15:36:32.200	488T6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,610,661	09:0
610	96	258	16:08:32.200	488U6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,610,692	68:0
611	96	258	21:02:55.533	488U6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,610,983	82:0
612	96	258	21:47:43.533	488U6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,611,028	19:0
613	96	258	21:48:05.533	488U6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,611,028	52:0
614	96	258	22:15:24.866	488V6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,611,055	54:0
615	96	258	22:53:51.533	488V6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,611,093	56:0
616	96	259	03:35:27.533	488V6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,611,372	11:0
617	96	259	06:36:47.533	488W6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,611,551	42:0
618	96	259	10:18:39.533	488W6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,611,770	81:0
619	96	259	13:17:51.533	488X6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,611,948	11:0
620	96	259	14:12:50.200	488X6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,612,002	45:0
621	96	259	14:17:35.533	488X6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,612,007	18:0
622	96	259	15:01:20.200	488X6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,612,050	42:0
623	96	259	15:57:51.533	488X6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,612,106	33:0
624	96	259	21:02:56.133	488Y6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,612,408	08:0
625	96	259	21:33:29.466	488Y6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,612,438	28:0
626	96	259	21:43:28.133	488Y6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,612,448	16:0
627	96	259	22:11:18.133	488Y6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,612,475	64:0
628	96	259	22:53:52.133	488Y6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,612,517	73:0
629	96	260	03:33:19.466	488Z6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,612,794	17:0
630	96	260	05:34:55.466	488Z6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,612,914	41:0
631	96	260	11:03:27.466	488AA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,613,239	34:0
632	96	260	13:17:51.466	488AA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,613,372	27:0
633	96	260	14:05:41.466	488AA6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,613,419	55:0
634	96	260	14:13:19.466	488AA6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,613,427	14:0
635	96	260	15:00:10.800	488AA6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,613,473	45:0
636	96	260	15:21:35.466	488AB6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,613,494	61:0
637	96	260	15:53:35.466	488AB6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,613,526	29:0
638	96	260	21:02:55.466	488AB6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,613,832	23:0
639	96	260	21:27:24.133	488AC6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,613,856	42:0
640	96	260	21:37:03.466	488AC6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,613,866	01:0
641	96	260	22:06:10.133	488AC6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,613,894	73:0
642	96	260	23:19:27.466	488AC6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,613,967	26:0
643	96	260	23:27:12.133	488AC6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,613,974	86:0
644	96	260	23:57:10.733	488AD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,614,004	54:0
645	96	261	03:18:24.066	488AD6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,614,203	55:0
646	96	261	05:20:00.066	488AD6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,614,323	79:0
647	96	261	06:56:24.733	488AE6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,614,419	20:0
648	96	261	07:10:04.066	488AE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,614,432	66:0
649	96	261	11:03:27.400	488AE6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,614,663	50:0
650	96	261	13:17:51.400	488AF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,614,796	43:0
651	96	261	14:12:45.400	488AF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,614,850	70:0
652	96	261	14:17:35.400	488AF6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,614,855	50:0
653	96	261	15:00:02.733	488AF6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,614,897	49:0
654	96	261	15:21:35.400	488AF6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,614,918	77:0
655	96	261	15:53:35.400	488AG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,614,950	45:0
656	96	261	21:02:55.400	488AG6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,615,256	39:0
657	96	261	21:32:41.400	488AG6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,615,285	79:0
658	96	261	22:00:00.733	488AH6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,615,312	81:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	96	261	22:38:55.400	488AH6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,615,351:34:0	
660	96	262	01:39:00.733	488AH6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,615,529:44:0	
661	96	262	02:24:40.066	488AH6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,615,574:58:0	
662	96	262	03:18:23.400	488AH6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,615,627:70:0	
663	96	262	05:19:59.400	488AI6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,615,748:03:0	
664	96	262	11:03:28.000	488AI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,616,087:67:0	
665	96	262	13:17:52.000	488AJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,616,220:60:0	
666	96	262	14:12:41.333	488AJ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,616,274:80:0	
667	96	262	14:17:36.000	488AJ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,616,279:67:0	
668	96	262	15:14:54.666	488AJ6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,616,336:38:0	
669	96	262	15:34:23.333	488AJ6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,616,355:62:0	
670	96	262	16:10:21.333	488AK6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,616,391:23:0	
671	96	262	16:47:09.333	488AK6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,616,427:59:0	
672	96	262	17:35:59.333	488AK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,616,475:86:0	
673	96	262	19:18:23.333	488AK6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,616,577:20:0	
674	96	262	21:00:29.333	488AK6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,616,678:18:0	
675	96	262	21:02:55.333	488AL6A	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,616,680:55:0	
676	96	262	22:00:54.000	488AL6B	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,616,737:86:0	
677	96	262	22:47:27.333	488AL6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,616,783:90:0	
678	96	262	22:57:28.000	488AL6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,616,793:81:0	
679	96	262	23:24:46.666	488AL6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,616,820:82:0	
680	96	263	03:18:23.333	488AM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,617,051:86:0	
681	96	263	05:19:59.333	488AM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,617,172:19:0	
682	96	263	10:48:31.333	488AN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,617,497:12:0	
683	96	263	13:02:55.933	488AN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,617,630:06:0	
684	96	263	13:55:09.933	488AN6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,617,681:66:0	
685	96	263	14:02:39.933	488AN6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,617,689:13:0	
686	96	263	14:59:47.933	488AN6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,617,745:59:0	
687	96	263	15:36:31.933	488AO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,617,781:89:0	
688	96	263	20:47:59.933	488AO6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,618,090:02:0	
689	96	263	21:18:23.933	488AO6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,618,120:08:0	
690	96	263	21:28:31.266	488AO6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,618,130:09:0	
691	96	263	21:55:45.933	488AP6A	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,618,157:04:0	
692	96	263	23:27:59.266	488AP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,618,248:23:0	
693	96	264	03:48:15.266	488AP6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,618,505:60:0	
694	96	264	05:19:59.266	488AQ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,618,596:35:0	
695	96	264	10:48:31.266	488AQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,618,921:28:0	
696	96	264	13:02:55.266	488AR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,619,054:21:0	
697	96	264	14:00:05.933	488AR6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,619,110:71:0	
698	96	264	14:02:39.266	488AR6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,619,113:28:0	
699	96	264	14:59:39.933	488AR6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,619,169:63:0	
700	96	264	15:34:23.266	488AR6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,619,204:03:0	
701	96	264	16:00:36.600	488AS6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,619,229:88:0	
702	96	264	16:37:24.600	488AS6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,619,266:33:0	
703	96	264	17:50:55.266	488AS6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,619,339:06:0	
704	96	264	18:48:31.866	488AS6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,619,396:04:0	
705	96	264	20:47:59.866	488AS6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,619,514:18:0	
706	96	264	21:12:10.533	488AT6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,619,538:10:0	
707	96	264	21:28:31.866	488AT6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,619,554:26:0	
708	96	264	21:55:39.200	488AT6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,619,581:10:0	
709	96	264	22:38:55.866	488AT6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,619,623:83:0	
710	96	264	22:52:43.200	488AT6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,619,637:50:0	
711	96	264	23:20:01.866	488AU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,619,664:51:0	
712	96	264	23:29:59.866	418JC6A	6BUFHI		9 MUB Buffer high water	1O0	4	0	3,619,674:38:0	
713	96	265	03:18:23.866	488AU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,619,900:28:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	96	265	05:19:59.200	488AU6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,620,020	51:0
715	96	265	10:31:27.200	488AV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,620,328	55:0
716	96	265	13:02:55.200	488AV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,620,478	37:0
717	96	265	13:57:31.866	488AV6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,620,532	38:0
718	96	265	14:02:39.200	488AV6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,620,537	44:0
719	96	265	14:39:31.866	488AV6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,620,573	87:0
720	96	265	15:06:39.200	488AW6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,620,600	71:0
721	96	265	15:38:39.200	488AW6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,620,632	39:0
722	96	265	20:47:59.200	488AW6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,620,938	33:0
723	96	265	21:17:10.533	488AX6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,620,967	21:0
724	96	265	21:44:29.866	488AX6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,620,994	23:0
725	96	265	22:23:59.200	488AX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,621,033	28:0
726	96	266	03:18:23.800	488AY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,621,324	44:0
727	96	266	05:34:55.800	488AY6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,621,459	47:0
728	96	266	10:16:31.133	488AZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,621,738	01:0
729	96	266	12:47:59.133	488AZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,621,887	74:0
730	96	266	13:40:00.466	488AZ6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,621,939	24:0
731	96	266	13:47:43.133	488AZ6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,621,946	81:0
732	96	266	14:44:23.800	488AZ6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,622,002	86:0
733	96	266	15:02:23.133	488BA6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,622,020	67:0
734	96	266	15:34:23.133	488BA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,622,052	35:0
735	96	266	20:33:03.133	488BA6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,622,347	70:0
736	96	266	21:07:48.466	488BB6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,622,382	13:0
737	96	266	21:17:51.133	488BB6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,622,392	07:0
738	96	266	21:45:23.133	488BB6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,622,419	28:0
739	96	266	22:28:15.133	488BB6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,622,461	64:0
740	96	267	03:03:27.133	488BB6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,622,733	80:0
741	96	267	05:34:55.133	488BC6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,622,883	62:0
742	96	267	10:01:35.733	488BC6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,623,147	39:0
743	96	267	10:29:59.733	418JD6A	6BUFHI	5	MUB Buffer high water	1O0	4	0	3,623,175	47:0
744	96	267	12:47:59.733	488BD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,623,312	00:0
745	96	267	13:44:56.400	488BD6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,623,368	29:0
746	96	267	13:47:43.733	488BD6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,623,371	07:0
747	96	267	14:59:17.066	488BD6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,623,441	77:0
748	96	267	15:34:23.733	488BD6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,623,476	52:0
749	96	267	15:50:59.733	488BE6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,623,492	90:0
750	96	267	16:27:47.733	488BE6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,623,529	35:0
751	96	267	16:46:37.066	176SE6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,623,548	00:0
752	96	267	16:49:59.733	41SD99A	**POWER**	**PWR MODE change**	Change to Maneuver Mode	1O0	4	0	3,623,551	31:0
753	**96**	**267**	**16:50:03.733**	**41SD3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,623,551**	**37:0**
754	**96**	**267**	**16:50:13.733**	**41SD3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,623,551**	**52:0**
755	**96**	**267**	**16:52:23.733**	**41SD3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,623,553**	**65:0**
756	**96**	**267**	**16:52:33.733**	**41SD3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,623,553**	**80:0**
757	**96**	**267**	**16:52:43.733**	**41SD3I**	**40T2**	**1**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,623,554**	**04:0**
758	**96**	**267**	**16:52:53.733**	**41SD3J**	**40T2**	**2**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,623,554**	**19:0**
759	96	267	16:52:59.733	488BE6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	3,623,554	28:0
760	96	267	17:25:01.733	490UA412A4B	**7MODE**	**INT**	AACS INERTIAL MODE	1O0	4	0	3,623,585	90:0
761	96	267	17:29:59.733	490UA412A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	3,623,590	82:0
762	96	267	17:34:09.733	490UA412A4E	7VECT		Inert vect update UTC	1O0	4	0	3,623,595	02:0
763	96	267	17:34:13.733	490UA412A4F	7TURN	2,RTH	ALERT Thruster	1O0	4	0	3,623,595	08:0
764	96	267	17:38:01.733	490UA412A406A4A	7STAR	1,3000,95.710999	Star catalog update	1O0	4	0	3,623,598	77:0
765	96	267	17:38:03.733	490UA412A406A4B	7STAR	2,131,322.07	Star catalog update	1O0	4	0	3,623,598	80:0
766	96	267	17:38:05.733	490UA412A406A4C	7STAR	3,396,206.39	Star catalog update	1O0	4	0	3,623,598	83:0
767	96	267	17:38:07.733	490UA412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	1O0	4	0	3,623,598	86:0
768	96	267	17:38:09.733	490UA412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	1O0	4	0	3,623,598	89:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	96	267	17:38:11.733	490UA412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	1O0	4	0	3,623,599:01:0	
770	96	267	18:44:12.400	490UA412A4L	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	3,623,664:27:0	
771	96	267	18:49:59.066	432OS431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	3,623,670:01:0	
772	96	267	18:49:59.733	432OS6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,623,670:02:0	
773	96	267	19:01:59.733	41SG99A	**POWER**	**PWR MODE change**	Change to Playback Mode	1O0	4	0	3,623,681:81:0	
774	96	267	19:01:59.733	488BE6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,623,681:81:0	
775	**96**	**267**	**19:02:03.733**	**41SG3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,623,681:87:0**	
776	**96**	**267**	**19:02:13.733**	**41SG3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,623,682:11:0**	
777	**96**	**267**	**19:02:23.733**	**41SG3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,623,682:26:0**	
778	**96**	**267**	**19:02:33.733**	**41SG3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,623,682:41:0**	
779	**96**	**267**	**19:04:43.733**	**41SG3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,623,684:54:0**	
780	**96**	**267**	**19:04:53.733**	**41SG3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,623,684:69:0**	
781	96	267	19:12:03.733	20UC4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,623,691:77:0	
782	96	267	19:12:53.733	20UC4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,623,692:61:0	
783	96	267	19:15:15.066	176UD6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,623,695:00:0	
784	96	267	20:18:07.066	488BE6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,623,757:16:0	
785	96	267	20:55:46.400	488BF6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,623,794:38:0	
786	96	267	21:11:27.066	488BF6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,623,809:84:0	
787	96	267	21:40:16.400	488BF6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,623,838:39:0	
788	96	267	22:21:51.066	488BF6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,623,879:50:0	
789	96	267	22:43:06.400	488BF6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,623,900:52:0	
790	96	267	22:59:59.733	418JE6A	6BUFHI	7	MUB Buffer high water	1O0	4	0	3,623,917:25:0	
791	96	267	23:10:24.400	488BG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,623,927:52:0	
792	96	268	03:18:23.066	488BG6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,624,172:75:0	
793	96	268	03:54:59.733	488WA6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,624,209:03:0	
794	96	268	04:05:19.066	488WA6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,624,219:22:0	
795	96	268	04:37:19.066	488WA6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,624,250:81:0	
796	96	268	05:13:35.066	488WA6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,624,286:69:0	
797	96	268	05:33:33.066	488WA6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,624,306:46:0	
798	96	268	12:33:03.066	488BH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,624,721:36:0	
799	96	268	13:34:10.333	488BH6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,624,781:77:0	
800	96	268	13:41:19.666	488BH6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,624,788:84:0	
801	96	268	14:44:09.000	488BH6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,624,851:05:0	
802	96	268	15:04:31.666	488BH6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,624,871:19:0	
803	96	268	15:49:19.666	488BI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,624,915:47:0	
804	96	268	20:15:59.666	488BI6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,625,179:23:0	
805	96	268	20:55:17.666	488BI6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,625,218:11:0	
806	96	268	21:02:55.666	488BI6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,625,225:61:0	
807	96	268	21:40:08.333	488BI6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,625,262:43:0	
808	96	268	22:43:11.000	488BJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,625,324:75:0	
809	96	269	03:18:23.000	488BJ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,625,597:00:0	
810	96	269	12:30:55.000	488BK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,626,143:42:0	
811	96	269	13:42:19.000	488BK6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,626,214:07:0	
812	96	269	13:47:43.000	488BK6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,626,219:38:0	
813	96	269	14:44:01.666	488BK6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,626,275:10:0	
814	96	269	15:02:23.000	488BK6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,626,293:24:0	
815	96	269	15:49:19.000	488BL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,626,339:62:0	
816	96	269	20:01:03.600	488BL6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,626,588:60:0	
817	96	269	20:49:12.266	488BL6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,626,636:25:0	
818	96	269	20:56:31.600	488BL6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,626,643:47:0	
819	96	269	21:35:00.266	488BL6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,626,681:52:0	
820	96	269	22:41:03.600	488BM6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,626,746:82:0	
821	96	269	22:51:17.600	488BM6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,626,757:02:0	
822	96	269	23:19:27.600	488BM6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,626,784:80:0	
823	96	269	23:26:24.266	488BM6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,626,791:68:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	96	270	03:18:23.600	488BM6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,627,021	17:0
825	96	270	06:26:10.266	488BN6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,627,206	82:0
826	96	270	06:44:22.933	488BN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,627,224	83:0
827	96	270	12:15:58.933	488BN6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,627,552	79:0
828	96	270	13:24:46.933	488BO6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,627,620	83:0
829	96	270	13:32:46.933	488BO6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,627,628	75:0
830	96	270	14:28:53.600	488BO6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,627,684	29:0
831	96	270	14:49:34.933	488BO6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,627,704	71:0
832	96	270	15:49:18.933	488BO6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,627,763	78:0
833	96	270	20:01:02.933	488BP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,628,012	75:0
834	96	270	20:45:50.933	488BP6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,628,057	12:0
835	96	270	21:01:32.266	488BP6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,628,072	59:0
836	96	270	21:28:51.600	488BP6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,628,099	61:0
837	96	270	21:49:50.933	488BP6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,628,120	39:0
838	96	270	22:21:50.933	488BQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,628,152	07:0
839	96	271	03:18:23.533	488BQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,628,445	33:0
840	96	271	10:30:00.200	418JF6A	6BUFHI	6	MUB Buffer high water	1O0	4	0	3,628,872	21:0
841	96	271	12:15:58.866	488BR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,628,977	04:0
842	96	271	13:23:39.533	488BR6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,629,043	89:0
843	96	271	13:30:38.866	488BR6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,629,050	81:0
844	96	271	14:43:45.533	488BR6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,629,123	18:0
845	96	271	15:34:22.866	488BR6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,629,173	24:0
846	96	271	15:36:30.200	488BS6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,629,175	33:0
847	96	271	16:13:18.866	488BS6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,629,211	70:0
848	96	271	19:46:06.866	488BS6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,629,422	21:0
849	96	271	20:31:25.533	488BS6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,629,467	04:0
850	96	271	21:28:44.200	488BS6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,629,523	66:0
851	96	271	22:06:54.866	488BT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,629,561	44:0
852	96	271	22:28:37.533	488BT6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,629,582	87:0
853	96	271	22:55:55.533	488BT6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,629,609	87:0
854	96	272	00:00:00.200	418JG6A	6BUFHI	8	MUB Buffer high water	1O0	4	0	3,629,673	30:0
855	96	272	03:03:26.866	488BT6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,629,854	69:0
856	96	272	12:15:59.466	488BU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,630,401	21:0
857	96	272	13:25:56.800	488BU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,630,470	38:0
858	96	272	13:30:39.466	488BU6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,630,475	07:0
859	96	272	14:14:40.133	488BU6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,630,518	55:0
860	96	272	15:15:11.466	488BU6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,630,578	42:0
861	96	272	15:47:11.466	488BV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,630,610	10:0
862	96	272	19:46:06.800	488BV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,630,846	37:0
863	96	272	20:38:36.800	488BV6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,630,898	30:0
864	96	272	20:45:50.800	488BV6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,630,905	44:0
865	96	272	21:24:38.133	488BV6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,630,943	77:0
866	96	272	22:26:06.800	488BW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,631,004	59:0
867	96	273	03:03:26.800	488BW6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,631,278	85:0
868	96	273	12:01:02.800	488BX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,631,810	57:0
869	96	273	13:11:03.466	488BX6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,631,879	79:0
870	96	273	13:15:42.800	488BX6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,631,884	43:0
871	96	273	14:28:30.733	488BX6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,631,956	43:0
872	96	273	14:49:35.400	488BX6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,631,977	29:0
873	96	273	15:34:23.400	488BY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,632,021	57:0
874	96	273	19:46:07.400	488BY6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,632,270	54:0
875	96	273	20:26:08.066	488BY6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,632,310	15:0
876	96	273	20:30:55.400	488BY6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,632,314	82:0
877	96	273	21:19:30.066	488BY6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,632,362	86:0
878	96	273	22:15:27.400	488BZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,632,418	26:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	96	274	03:03:26.733	488BZ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,632,703:10:0	
880	96	274	11:00:00.066	418KA6A	6BUFHI	6	MUB Buffer high water	1O0	4	0	3,633,174:39:0	
881	96	274	12:01:02.733	488CA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,633,234:73:0	
882	96	274	13:10:59.400	488CA6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,633,303:89:0	
883	96	274	13:15:42.733	488CA6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,633,308:59:0	
884	96	274	14:28:24.066	488CA6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,633,380:49:0	
885	96	274	14:45:18.733	488CA6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,633,397:24:0	
886	96	274	15:34:22.733	488CB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,633,445:72:0	
887	96	274	17:30:00.066	488CB6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,633,560:13:0	
888	96	274	17:32:53.400	176VC6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,633,563:00:0	
889	96	274	17:37:56.733	465WA6A	6DMST	5000	DMS Slew to TIC	1O0	4	0	3,633,568:00:0	
890	96	274	17:37:56.733		DMS:	: *SLEW-TIC	P7, TRACK *1, *FWD, TIC 1165.49 +/- 1	1O0	4	0	3,633,568:00:0	
891	96	274	19:31:10.733	488CB6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	3,633,679:90:0	
892	96	274	20:30:55.333	488CB6D	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	1O0	4	0	3,633,739:07:0	
893	96	274	20:46:03.333	488CB6E	6TMSED	FILL,AH2	Sci, Eng, and D/L Chan	1O0	4	0	3,633,754:04:0	
894	96	274	21:28:22.000	488CC6A	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	1O0	4	0	3,633,795:81:0	
895	96	274	22:04:47.333	488CC6B	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	3,633,831:83:0	
896	96	274	22:36:54.666	488CC6C	6TMSED	FILL,AH3	Sci, Eng, and D/L Chan	1O0	4	0	3,633,863:62:0	
897	96	274	23:13:42.666	488CC6D	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	3,633,900:07:0	
898	96	274	23:19:27.333	488CC6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,633,905:69:0	
899	96	274	23:30:00.000	418KB6A	6BUFHI	8	MUB Buffer high water	1O0	4	0	3,633,916:17:0	
900	96	274	23:31:38.000	465WB6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	1O0	4	0	3,633,917:73:0	
901	96	274	23:57:30.000	465WB6B	6DMSC	RDY,2	DMS Control Tape stop	1O0	4	0	3,633,943:35:0	
902	96	275	01:52:16.000	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	1O0	4	0	3,634,056:81:0	
903	96	275	02:02:17.333	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	1O0	4	0	3,634,066:73:0	
904	96	275	02:34:13.333	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	1O0	4	0	3,634,098:35:0	
905	96	275	02:49:48.666	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	1O0	4	0	3,634,113:73:0	
906	96	275	03:01:19.333	488CD6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	3,634,125:17:0	
907	96	275	03:21:59.333	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	3,634,145:57:0	
908	96	275	03:54:02.666	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	3,634,177:30:0	
909	96	275	04:08:40.666	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	3,634,191:73:0	
910	96	275	04:40:50.666	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	3,634,223:56:0	
911	96	275	04:41:58.000	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	3,634,224:66:0	
912	96	275	04:56:24.000	465WI6A	6DMSC	RDY,2	DMS Control Tape stop	1O0	4	0	3,634,239:00:0	
913	96	275	04:57:18.000	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	1O0	4	0	3,634,239:81:0	
914	96	275	05:30:00.000	488CD6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,634,272:21:0	
915	96	275	05:30:04.000	20UD4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,634,272:27:0	
916	96	275	05:30:54.000	20UD4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,634,273:11:0	
917	96	275	05:33:48.666	176VD6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,634,276:00:0	
918	96	275	06:06:48.666	488CD6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,634,308:58:0	
919	96	275	06:51:34.000	488CD6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,634,352:82:0	
920	96	275	11:46:06.666	488CE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,634,644:19:0	
921	96	275	13:11:55.333	488CE6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,634,729:07:0	
922	96	275	13:15:42.666	488CE6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,634,732:75:0	
923	96	275	14:04:18.000	488CE6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,634,780:80:0	
924	96	275	15:00:14.666	488CE6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,634,836:19:0	
925	96	275	15:34:22.666	488CF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,634,869:88:0	
926	96	275	19:31:10.666	488CF6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,635,104:15:0	
927	96	275	20:30:54.666	488CF6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,635,163:22:0	
928	96	275	20:45:54.666	488CF6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,635,178:07:0	
929	96	275	21:13:14.000	488CF6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,635,205:09:0	
930	96	275	21:32:46.666	488CG6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,635,224:39:0	
931	96	275	22:04:46.666	488CG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,635,256:07:0	
932	96	276	03:01:19.266	488CG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,635,549:33:0	
933	96	276	08:44:59.933	418JQ6A	6BUFHI	4	MUB Buffer high water	1O0	4	0	3,635,889:24:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	96	276	11:46:06.600	488CH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,636,068:35:0	
935	96	276	13:10:51.933	488CH6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,636,152:19:0	
936	96	276	13:15:42.600	488CH6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,636,157:00:0	
937	96	276	14:43:08.600	488CH6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,636,243:43:0	
938	96	276	15:15:53.266	488CH6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,636,275:78:0	
939	96	276	15:59:58.600	488CI6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,636,319:42:0	
940	96	276	16:08:17.933	488CI6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,636,327:63:0	
941	96	276	16:45:00.600	176WA6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,636,364:00:0	
942	96	276	16:49:59.933	41SE99A	**POWER**	**PWR MODE change**	Change to Maneuver Mode	1O0	4	0	3,636,368:85:0	
943	**96**	**276**	**16:50:03.933**	**41SE3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,636,369:00:0**	
944	**96**	**276**	**16:50:13.933**	**41SE3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,636,369:15:0**	
945	**96**	**276**	**16:52:23.933**	**41SE3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,636,371:28:0**	
946	**96**	**276**	**16:52:33.933**	**41SE3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,636,371:43:0**	
947	**96**	**276**	**16:52:43.933**	**41SE3I**	**40T2**	**1**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,636,371:58:0**	
948	**96**	**276**	**16:52:53.933**	**41SE3J**	**40T2**	**2**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,636,371:73:0**	
949	96	276	16:52:59.933	488CI6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	3,636,371:82:0	
950	96	276	17:01:59.933	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,636,380:73:0	
951	96	276	17:02:59.933	20UR4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	1O0	4	0	3,636,381:72:0	
952	96	276	17:04:59.933	20UR4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	3,636,383:70:0	
953	96	276	17:10:29.933	20UR4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	1O0	4	0	3,636,389:19:0	
954	96	276	17:10:30.600	20UR4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	1O0	4	0	3,636,389:20:0	
955	96	276	17:10:50.600	20UR4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	1O0	4	0	3,636,389:50:0	
956	96	276	17:10:51.266	20UR4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	1O0	4	0	3,636,389:51:0	
957	96	276	17:11:11.266	20UR4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	3,636,389:81:0	
958	96	276	17:11:11.933	20UR4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	3,636,389:82:0	
959	96	276	17:11:21.933	20UR4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	3,636,390:06:0	
960	96	276	17:11:22.600	20UR4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	3,636,390:07:0	
961	96	276	17:11:32.600	20UR4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	1O0	4	0	3,636,390:22:0	
962	96	276	17:11:33.266	20UR4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	1O0	4	0	3,636,390:23:0	
963	96	276	17:13:19.933	20UR4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	1O0	4	0	3,636,392:01:0	
964	96	276	17:13:20.600	20UR4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	1O0	4	0	3,636,392:02:0	
965	96	276	17:13:40.600	20UR4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	1O0	4	0	3,636,392:32:0	
966	96	276	17:13:41.266	20UR4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	1O0	4	0	3,636,392:33:0	
967	96	276	17:14:01.266	20UR4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	3,636,392:63:0	
968	96	276	17:14:01.933	20UR4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	3,636,392:64:0	
969	96	276	17:14:11.933	20UR4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	3,636,392:79:0	
970	96	276	17:14:12.600	20UR4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	3,636,392:80:0	
971	96	276	17:14:22.600	20UR4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	1O0	4	0	3,636,393:04:0	
972	96	276	17:14:23.266	20UR4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	1O0	4	0	3,636,393:05:0	
973	96	276	17:15:19.933	20UR4Z	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	3,636,393:90:0	
974	96	276	17:39:59.933	41SH99A	**POWER**	**PWR MODE change**	Change to Playback Mode	1O0	4	0	3,636,418:35:0	
975	**96**	**276**	**17:40:03.933**	**41SH3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,636,418:41:0**	
976	**96**	**276**	**17:40:13.933**	**41SH3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,636,418:56:0**	
977	**96**	**276**	**17:40:23.933**	**41SH3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,636,418:71:0**	
978	**96**	**276**	**17:40:33.933**	**41SH3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,636,418:86:0**	
979	**96**	**276**	**17:42:43.933**	**41SH3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,636,421:08:0**	
980	**96**	**276**	**17:42:53.933**	**41SH3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,636,421:23:0**	
981	96	276	17:50:03.933	20UE4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,636,428:31:0	
982	96	276	17:50:53.933	20UE4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,636,429:15:0	
983	96	276	17:52:59.266	432OO431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	3,636,431:21:0	
984	96	276	17:52:59.933	432OO6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,636,431:22:0	
985	96	276	17:53:45.933	176UE6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,636,432:00:0	
986	96	276	19:00:59.933	488CI6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,636,498:45:0	
987	96	276	19:16:14.600	488CI6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,636,513:52:0	
988	96	276	20:20:59.933	488CJ6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,636,577:56:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	96	276	20:30:54.600	488CJ6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,636,587	38:0
990	96	276	21:14:07.933	488CJ6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,636,630	15:0
991	96	276	22:00:43.266	488CJ6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,636,676	22:0
992	96	276	22:11:10.600	488CJ6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,636,686	53:0
993	96	276	22:29:59.933	418JR6A	6BUFHI	8	MUB Buffer high water	1O0	4	0	3,636,705	18:0
994	96	276	22:36:32.600	488CK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,636,711	61:0
995	96	277	03:01:18.600	488CK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,636,973	48:0
996	96	277	11:46:07.200	488CL6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,637,492	52:0
997	96	277	12:58:20.533	488CL6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,637,564	00:0
998	96	277	13:00:47.200	488CL6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,637,566	38:0
999	96	277	14:13:01.866	488CL6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,637,637	79:0
1000	96	277	14:32:31.200	488CL6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,637,657	13:0
1001	96	277	15:34:23.200	488CM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,637,718	30:0
1002	96	277	19:16:14.533	488CM6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,637,937	68:0
1003	96	277	20:13:33.200	488CM6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,637,994	39:0
1004	96	277	20:15:58.533	488CM6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,637,996	75:0
1005	96	277	21:14:00.533	488CM6E	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,638,054	20:0
1006	96	277	22:00:30.533	488CN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,638,100	19:0
1007	96	278	03:01:18.533	488CN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,638,397	64:0
1008	96	278	09:29:59.866	418JH6A	6BUFHI	5	MUB Buffer high water	1O0	4	0	3,638,782	11:0
1009	96	278	11:31:10.533	488CO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,638,901	88:0
1010	96	278	12:55:46.533	488CO6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,638,985	58:0
1011	96	278	13:00:46.533	488CO6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,638,990	53:0
1012	96	278	14:27:53.800	488CO6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,639,076	68:0
1013	96	278	15:06:08.466	488CO6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,639,114	52:0
1014	96	278	15:51:27.133	488CP6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,639,159	35:0
1015	96	278	15:58:59.800	488CP6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,639,166	77:0
1016	96	278	19:01:19.133	488CP6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,639,347	15:0
1017	96	278	20:11:56.466	488CP6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,639,417	01:0
1018	96	278	20:15:59.133	488CP6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,639,421	01:0
1019	96	278	20:52:15.133	488CQ6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,639,456	80:0
1020	96	278	21:23:51.800	488CQ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,639,488	13:0
1021	96	278	21:47:43.133	488CQ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,639,511	67:0
1022	96	278	22:04:29.133	488CQ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,639,528	29:0
1023	96	278	22:31:47.800	488CQ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,639,555	30:0
1024	96	279	03:01:18.466	488CR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,639,821	80:0
1025	96	279	11:31:10.466	488CS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,640,326	13:0
1026	96	279	13:00:46.466	488CS6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,640,414	69:0
1027	96	279	13:05:28.466	488CS6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,640,419	37:0
1028	96	279	14:27:47.133	488CS6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,640,500	74:0
1029	96	279	15:01:15.133	488CS6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,640,533	83:0
1030	96	279	15:47:10.466	488CT6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,640,579	30:0
1031	96	279	15:54:21.133	488CT6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,640,586	39:0
1032	96	279	19:01:18.466	488CT6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,640,771	30:0
1033	96	279	20:00:26.466	488CT6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,640,829	74:0
1034	96	279	20:57:45.066	488CT6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,640,886	45:0
1035	96	279	21:17:51.066	488CU6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,640,906	34:0
1036	96	279	21:49:51.066	488CU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,640,938	02:0
1037	96	279	21:59:36.400	488CU6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,640,947	61:0
1038	96	279	22:26:54.400	488CU6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,640,974	61:0
1039	96	279	23:59:59.733	418JI6A	6BUFHI	8	MUB Buffer high water	1O0	4	0	3,641,066	67:0
1040	96	280	02:46:23.066	488CU6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,641,231	27:0
1041	96	280	11:31:10.400	488CV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,641,750	29:0
1042	96	280	12:53:09.733	488CV6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,641,831	37:0
1043	96	280	13:00:46.400	488CV6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,641,838	85:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	96	280	13:57:39.733	488CV6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,641,895:18:0	
1045	96	280	14:32:30.400	488CV6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,641,929:60:0	
1046	96	280	15:32:14.400	488CW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,641,988:67:0	
1047	96	280	19:01:18.400	488CW6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,642,195:46:0	
1048	96	280	20:01:02.400	488CW6C	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,642,254:53:0	
1049	96	280	21:11:26.400	488CW6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,642,324:19:0	
1050	96	280	21:47:42.400	488CX6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,642,360:07:0	
1051	96	280	22:12:38.400	488CX6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,642,384:67:0	
1052	96	280	22:49:26.400	488CX6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,642,421:12:0	
1053	96	280	23:32:14.400	488CX6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,642,463:42:0	
1054	96	281	02:33:34.400	488CX6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,642,642:73:0	
1055	96	281	05:47:32.333	488CY6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,642,834:58:0	
1056	96	281	06:05:45.000	488CY6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,642,852:59:0	
1057	96	281	08:00:00.333	418JS6A	6BUFHI	4	MUB Buffer high water	1O0	4	0	3,642,965:59:0	
1058	96	281	09:44:30.333	176PE6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,643,069:00:0	
1059	96	281	11:16:15.000	488CY6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,643,159:67:0	
1060	96	281	12:43:08.333	488CZ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,643,245:61:0	
1061	96	281	12:45:50.333	488CZ6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,643,248:31:0	
1062	96	281	14:27:31.666	488CZ6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,643,348:83:0	
1063	96	281	14:56:30.333	488CZ6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,643,377:52:0	
1064	96	281	15:53:47.000	488CZ6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,643,434:20:0	
1065	**96**	**281**	**16:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,643,440:33:5**	
1066	**96**	**281**	**16:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,643,440:33:5**	
1067	**96**	**281**	**16:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**1O0**	**4**	**0**	**3,643,440:33:5**	
1068	**96**	**281**	**16:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**1O0**	**4**	**0**	**3,643,440:33:5**	
1069	**96**	**281**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,643,440:33:5**	
1070	**96**	**281**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**1O0**	**4**	**0**	**3,643,440:33:5**	
1071	**96**	**281**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,643,440:33:5**	
1072	**96**	**281**	**16:00:00.000**	**20A3FB**	**37F2P**	**Final Condition**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,643,440:33:5**	
1073	**96**	**281**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,643,440:33:5**	
1074	96	281	16:00:00.333		DMS:	: RUNNING	P7, TRACK 2, REV, TIC 162.17 +/- 1	1O0	4	0	3,643,440:34:0	

Sequence:	G02C-AR	Created: 12/5/96	Begin: 96-281/16:00:00 Finish: 96-307/16:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	**96**	**281**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,643,440:33:5**
2	**96**	**281**	**16:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**4R3**	**4**	**0**	**3,643,440:33:5**
3	**96**	**281**	**16:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**4R3**	**4**	**0**	**3,643,440:33:5**
4	**96**	**281**	**16:00:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**3,643,440:33:5**
5	**96**	**281**	**16:00:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,643,440:33:5**
6	**96**	**281**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,643,440:33:5**
7	**96**	**281**	**16:00:00.000**	**20A3FB**	**37F2P**	**Initial Condition**	**Shield Flash Heater ON (primary relay)**	**4R3**	**4**	**0**	**3,643,440:33:5**
8	**96**	**281**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,643,440:33:5**
9	**96**	**281**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**4R3**	**4**	**0**	**3,643,440:33:5**
10	96	281	16:00:00.333		DMS:	: READY	RDY, TRACK 3, FWD, TIC 5526.00 +/-	4R3	4	0	3,643,440:34:0
11	96	281	16:01:00.333	488A6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,643,441:33:0
12	**96**	**281**	**16:02:00.333**	**432SB6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4R3**	**4**	**0**	**3,643,442:32:0**
13	96	281	16:02:00.333	488A6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,643,442:32:0
14	96	281	16:03:04.333	20UP4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4R3	4	0	3,643,443:37:0
15	96	281	16:03:54.333	20UP4B	7SLEW	DIS,POS,0.0	Stator movement	4R3	4	0	3,643,444:21:0
16	96	281	16:06:42.333	176UF6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4R3	4	0	3,643,447:00:0
17	96	281	19:31:10.333	488A6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,643,649:20:0
18	96	281	20:20:11.666	488A6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,643,697:64:0
19	96	281	20:52:29.666	488A6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,643,729:59:0
20	96	281	21:22:06.333	488B6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,643,758:85:0
21	96	281	21:47:46.333	488B6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,643,784:29:0
22	96	281	22:49:34.333	488B6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,643,845:40:0
23	96	281	23:02:22.333	488B6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,643,858:09:0
24	96	282	02:35:42.333	488B6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,644,069:08:0
25	96	282	05:42:39.666	488C6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,644,253:90:0
26	96	282	06:00:51.666	488C6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,644,271:90:0
27	96	282	09:59:29.600	176PG6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4R3	4	0	3,644,508:00:0
28	96	282	10:40:00.266	41V99A	**POWER**	**PWR MODE change**	Change to Maneuver Mode	4R3	4	0	3,644,548:06:0
29	**96**	**282**	**10:40:04.266**	**41V3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,644,548:12:0**
30	**96**	**282**	**10:40:14.266**	**41V3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,644,548:27:0**
31	**96**	**282**	**10:42:24.266**	**41V3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**3,644,550:40:0**
32	**96**	**282**	**10:42:34.266**	**41V3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**3,644,550:55:0**
33	**96**	**282**	**10:42:44.266**	**41V3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**3,644,550:70:0**
34	**96**	**282**	**10:42:54.266**	**41V3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**3,644,550:85:0**
35	96	282	10:51:20.266	20UM4B	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R3	4	0	3,644,559:25:0
36	96	282	10:56:30.266	20UM6A	6MROH	7,73C0,0,A2	read from AACSA7,73C0,0,A2	4R3	4	0	3,644,564:35:0
37	96	282	11:03:10.266	20UM6B	6MROH	7,73C0,0,A2	read from AACSA7,73C0,0,A2	4R3	4	0	3,644,570:89:0
38	96	282	11:10:20.266	20UM4D	**7MODE**	**INT**	AACS INERTIAL MODE	4R3	4	0	3,644,578:06:0
39	96	282	11:31:10.933	488C6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,644,598:62:0
40	96	282	12:54:22.933	488D6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,644,680:88:0
41	96	282	12:55:06.266	488D6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,644,681:62:0
42	96	282	13:37:24.933	488D6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,644,723:48:0
43	96	282	14:02:38.933	488D6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,644,748:44:0
44	96	282	14:23:00.266	488D6E	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4R3	4	0	3,644,768:56:0
45	96	282	14:44:00.266	474AA416A4B	**7MODE**	**INT**	AACS INERTIAL MODE	4R3	4	0	3,644,789:35:0
46	96	282	14:46:00.266	474AA416A4D	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R3	4	0	3,644,791:33:0
47	96	282	14:50:14.266	474AA416A4E	7BURN	SZ,49.845,-52.25	ALERT -- Thruster fire	4R3	4	0	3,644,795:50:0
48	96	282	15:08:46.933	488E6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4R3	4	0	3,644,813:81:0
49	96	282	15:54:04.266	474AA416A4I	7BURN	SZ,49.845,-52.25	ALERT -- Thruster fire	4R3	4	0	3,644,858:62:0
50	96	282	17:18:54.266	474AA416A4O	7BURN	LAT,49.845,-52.2	ALERT -- Thruster fire	4R3	4	0	3,644,942:53:0
51	96	282	18:24:53.600	474AA416A4V	**7MODE**	**CRU**	AACS CRUISE MODE	4R3	4	0	3,645,007:77:0
52	96	282	19:05:34.266	488E6B	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4R3	4	0	3,645,048:07:0
53	96	282	20:15:58.266	488E6C	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4R3	4	0	3,645,117:64:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	96	282	20:52:14.266	488E6D	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4R3	4	0	3,645,153:52:0	
55	96	282	21:45:34.266	488F6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4R3	4	0	3,645,206:29:0	
56	96	282	22:00:00.266	444UA443A4A	**7MODE**	**CRU**	AACS CRUISE MODE	4R3	4	0	3,645,220:54:0	
57	96	282	22:05:00.266	41U99A	**POWER**	**PWR MODE change**	Change to Playback Mode	4R3	4	0	3,645,225:49:0	
58	96	282	22:05:00.266	488F6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,645,225:49:0	
59	**96**	**282**	**22:05:04.266**	**41U3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,645,225:55:0**	
60	**96**	**282**	**22:05:14.266**	**41U3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,645,225:70:0**	
61	**96**	**282**	**22:05:24.266**	**41U3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**3,645,225:85:0**	
62	**96**	**282**	**22:05:34.266**	**41U3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**3,645,226:09:0**	
63	**96**	**282**	**22:07:44.266**	**41U3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**4R3**	**4**	**0**	**3,645,228:22:0**	
64	**96**	**282**	**22:07:54.266**	**41U3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**4R3**	**4**	**0**	**3,645,228:37:0**	
65	96	282	22:23:59.600	432OQ431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	3,645,244:29:0	
66	96	282	22:24:00.266	432OQ6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,645,244:30:0	
67	96	283	03:03:00.266	20UT4F	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	4R3	4	0	3,645,520:24:0	
68	96	283	03:07:00.266	20UT4G	7STAT	17.45,0.0,90.0	Stator inertial point	4R3	4	0	3,645,524:20:0	
69	96	283	03:16:14.266	488F6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,645,533:32:0	
70	96	283	03:50:00.266	488G6A	6TMSED	NORM,BL5	Sci, Eng, and D/L Chan	4R3	4	0	3,645,566:68:0	
71	96	283	04:54:22.266	488G6B	6TMSED	NORM,BL4	Sci, Eng, and D/L Chan	4R3	4	0	3,645,630:37:0	
72	96	283	05:00:00.266	488G6C	6TMSED	NORM,BA4	Sci, Eng, and D/L Chan	4R3	4	0	3,645,635:89:0	
73	96	283	06:11:10.266	488G6E	6TMSED	NORM,BL5	Sci, Eng, and D/L Chan	4R3	4	0	3,645,706:33:0	
74	96	283	07:03:00.266	488H6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,645,757:57:0	
75	96	283	07:30:04.266	20UX4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4R3	4	0	3,645,784:36:0	
76	96	283	07:30:54.266	20UX4B	7SLEW	DIS,POS,0.0	Stator movement	4R3	4	0	3,645,785:20:0	
77	96	283	07:32:42.266	176VK6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4R3	4	0	3,645,787:00:0	
78	96	283	11:24:46.266	488H6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,646,016:47:0	
79	96	283	12:46:14.933	488H6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,646,097:09:0	
80	96	283	12:50:06.266	488H6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,646,100:83:0	
81	96	283	13:26:22.266	488I6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,646,136:71:0	
82	96	283	13:47:17.600	488I6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,646,157:43:0	
83	96	283	14:34:20.266	176TP6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4R3	4	0	3,646,204:00:0	
84	96	283	14:38:22.933	176KD6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	4R3	4	0	3,646,208:00:0	
85	96	283	14:43:10.266	488I6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,646,212:67:0	
86	96	283	14:43:24.933	165QA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,646,212:89:0	
87	96	283	14:43:25.600	165QA4B	7SCAN	NORM,169.679998,	Check S/P Position	4R3	4	0	3,646,212:90:0	
88	96	283	14:57:58.266	488I6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,646,227:34:0	
89	96	283	15:23:04.200	20A4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4R3	4	0	3,646,252:18:0	
90	96	283	15:23:54.200	20A4B	7SLEW	DIS,POS,0.0	Stator movement	4R3	4	0	3,646,253:02:0	
91	96	283	15:26:54.866	176UH6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4R3	4	0	3,646,256:00:0	
92	96	283	15:34:46.866	488I6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,646,263:71:0	
93	96	283	19:24:46.866	488J6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,646,491:23:0	
94	96	283	20:47:58.866	488J6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,646,573:49:0	
95	96	283	21:28:30.866	488J6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,646,613:57:0	
96	96	283	21:45:05.533	488J6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,646,630:02:0	
97	96	283	21:49:06.866	176SJ6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4R3	4	0	3,646,634:00:0	
98	96	283	21:53:09.533	176KE6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	4R3	4	0	3,646,638:00:0	
99	96	283	21:59:12.200	165QB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4R3	4	0	3,646,643:89:0	
100	96	283	21:59:12.866	165QB4B	7SCAN	NORM,170.745998,	Check S/P Position	4R3	4	0	3,646,643:90:0	
101	96	283	22:12:23.533	488J6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,646,657:02:0	
102	96	283	22:38:04.200	20UR4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4R3	4	0	3,646,682:38:0	
103	96	283	22:38:54.200	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	4R3	4	0	3,646,683:22:0	
104	96	283	22:41:41.533	176UI6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4R3	4	0	3,646,686:00:0	
105	96	283	23:00:00.200	418JT6A	6BUFHI	9	MUB Buffer high water	4R3	4	0	3,646,704:10:0	
106	96	284	02:31:26.200	488K6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,646,913:20:0	
107	96	284	11:20:30.200	488L6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,647,436:43:0	
108	96	284	12:45:50.200	488L6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,647,520:79:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	96	284	12:49:52.200	488L6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,647,524:78:0	
110	96	284	13:32:10.866	488L6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,647,566:64:0	
111	96	284	13:51:58.200	488L6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,647,586:25:0	
112	96	284	15:02:22.200	488M6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,647,655:82:0	
113	96	284	18:54:54.200	488M6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,647,885:80:0	
114	96	284	20:05:18.200	488M6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,647,955:46:0	
115	96	284	20:45:50.200	488M6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,647,995:54:0	
116	96	284	21:22:06.800	488N6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,648,031:43:0	
117	96	285	02:27:10.800	488N6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,648,333:17:0	
118	96	285	08:30:00.133	418JU6A	6BUFHI	7	MUB Buffer high water	4R3	4	0	3,648,692:02:0	
119	96	285	11:20:30.133	488O6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,648,860:59:0	
120	96	285	12:40:23.466	488O6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,648,939:60:0	
121	96	285	12:45:50.133	488O6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,648,945:04:0	
122	96	285	13:42:04.133	488O6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,649,000:60:0	
123	96	285	14:36:46.133	488O6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,649,054:69:0	
124	96	285	14:53:12.800	488P6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,649,071:02:0	
125	96	285	15:30:00.800	488P6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,649,107:38:0	
126	96	285	19:14:06.133	488P6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,649,329:04:0	
127	96	285	20:41:34.133	488P6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,649,415:50:0	
128	96	285	21:17:50.133	488Q6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,649,451:38:0	
129	96	285	21:40:19.466	488Q6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,649,473:60:0	
130	96	285	22:07:37.466	488Q6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,649,500:60:0	
131	96	286	00:41:00.800	488Q6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,649,652:33:0	
132	96	286	00:45:00.133	418JV6A	6BUFHI	8	MUB Buffer high water	4R3	4	0	3,649,656:28:0	
133	96	286	01:54:40.133	488Q6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,649,725:19:0	
134	96	286	02:20:46.133	488R6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,649,751:02:0	
135	**96**	**286**	**05:22:48.667**	**G2NNSHDOFF02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
136	**96**	**286**	**05:23:48.733**	**20DQ3A**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,649,932:05:0**	
137	**96**	**286**	**05:23:58.733**	**20DQ3B**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,649,932:20:0**	
138	**96**	**286**	**05:24:08.733**	**20DQ3C**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**3,649,932:35:0**	
139	**96**	**286**	**05:24:18.733**	**20DQ3D**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**3,649,932:50:0**	
140	**96**	**286**	**05:24:28.733**	**20DQ3E**	**40T2**	**1**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**3,649,932:65:0**	
141	**96**	**286**	**05:24:38.733**	**20DQ3F**	**40T2**	**2**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**3,649,932:80:0**	
142	96	286	11:14:06.733	488S6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,650,278:46:0	
143	96	286	12:35:26.066	488S6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,650,358:85:0	
144	96	286	12:39:26.733	488S6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,650,362:82:0	
145	96	286	13:37:58.066	488S6D	6TMSED	NORM,AL1	Sci, Eng, and D/L Chan	4R3	4	0	3,650,420:71:0	
146	96	286	14:19:42.066	488S6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,650,462:05:0	
147	96	286	14:58:06.066	488T6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,650,500:03:0	
148	96	286	18:50:38.066	488T6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,650,730:01:0	
149	96	286	19:56:17.400	488T6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,650,794:86:0	
150	96	286	19:58:54.066	488T6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,650,797:48:0	
151	96	286	20:31:54.066	488T6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,650,830:15:0	
152	96	286	21:17:50.066	488U6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,650,875:54:0	
153	96	287	02:20:46.066	488U6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4R3	4	0	3,651,175:18:0	
154	96	287	11:09:50.666	488V6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,651,698:42:0	
155	96	287	12:32:26.666	488V6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,651,780:14:0	
156	96	287	12:35:10.666	488V6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,651,782:78:0	
157	96	287	13:21:50.000	488V6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4R3	4	0	3,651,829:00:0	
158	96	287	13:41:18.666	488V6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4R3	4	0	3,651,848:24:0	
159	96	287	14:58:06.666	488W6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4R3	4	0	3,651,924:20:0	
160	96	287	18:05:00.666	41JT99A	**POWER**	**PWR MODE change**	Change to Calib/Decon Mode	4R3	4	0	3,652,109:06:0	
161	**96**	**287**	**18:05:00.667**	**G2NNRCTRLT02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
162	**96**	**287**	**18:05:00.667**	**G2NNSHDOFF02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
163	**96**	**287**	**18:05:04.666**	**41JT3G**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,652,109:12:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM MF I
164	**96**	**287**	**18:05:14.666**	**41JT3H**	**37F2PR**		**2**	**Shield Flash Heater OFF (primary relay)**	**4R3**	**4**	**0**	**3,652,109:27:0**
165	**96**	**287**	**18:05:24.666**	**41JT3I**	**40T1PR**		**1**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,652,109:42:0**
166	**96**	**287**	**18:05:34.666**	**41JT3J**	**40T1PR**		**2**	**PCT Heater 1 OFF (primary relay)**	**4R3**	**4**	**0**	**3,652,109:57:0**
167	**96**	**287**	**18:05:44.666**	**41JT3K**	**40T2R**		**1**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**3,652,109:72:0**
168	**96**	**287**	**18:05:54.666**	**41JT3L**	**40T2R**		**2**	**PCT Heater 2 OFF**	**4R3**	**4**	**0**	**3,652,109:87:0**
169	96	287	18:16:04.000	176XI6A	6TMREC	**PPB**		**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4R3	4	0	3,652,120:00:0
170	96	287	18:19:10.000	20XG4A	**7SAFE**	**UNSTOW**		S/P TO 153 deg cone	4R3	4	0	3,652,123:06:0
171	96	287	18:23:16.666	20US4A	**7SAFE**	**STOP**		S/P NO MOVEMENT	4R3	4	0	3,652,127:12:0
172	96	287	18:24:06.666	20US4B	7SLEW	DIS,POS,0.0		Stator movement	4R3	4	0	3,652,127:87:0
173	96	287	18:26:10.666	176YE6A	6TMREC	**RPB**		**RESUME PLAYBACK (PB CONTROL) Record Mode**	4R3	4	0	3,652,130:00:0
174	**96**	**287**	**18:27:11.333**	**185XG10A3A**	**40HRP**		**1**	**RCT Heater ON (primary relay)**	**4R3**	**4**	**0**	**3,652,131:00:0**
175	96	287	18:44:14.000	488W6B	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4R3	4	0	3,652,147:78:0
176	96	287	19:54:38.000	488W6C	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	4R3	4	0	3,652,217:44:0
177	96	287	20:33:02.000	488W6D	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4R3	4	0	3,652,255:42:0
178	96	287	21:11:26.000	488X6A	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4R3	4	0	3,652,293:40:0
179	96	288	02:16:30.000	488X6B	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4R3	4	0	3,652,595:14:0
180	96	288	06:21:58.000	125XG	NIMSINIT	GS		##### GROUP START INIT	4R3	4	0	3,652,837:84:0
181	**96**	**288**	**06:21:58.000**	**125XG4A**	**37IST**	**1,0,0,OFF,0,0,0**		**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,652,837:84:0**
182	**96**	**288**	**06:22:58.666**	**125XG4B**	**37IST**	**1,2,0,OFF,0,0,0**		**Chopper ON, Sync, Chopper (Ref)**	**4R0**	**4**	**0**	**3,652,838:84:0**
183	**96**	**288**	**06:23:59.333**	**125XG4C**	**37IST**	**0,2,0,OFF,0,1,3**		**Gain State 1**	**1R0**	**4**	**0**	**3,652,839:84:0**
184	**96**	**288**	**06:25:00.000**	**125XG4D**	**37MB**	**1B,1B,0,0,0,0**		**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,652,840:84:0**
185	96	288	06:25:00.000	125XG11A	NIMSINIT	GE		##### GROUP END INIT	1R0	4	0	3,652,840:84:0
186	**96**	**288**	**06:27:01.333**	**127XG4A**	**37IOP**	**3,0**		**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**3,652,842:84:0**
187	96	288	06:27:01.333	127XG	NIMSTAB	GS		%%%%% GROUP START TAB	1R3	4	0	3,652,842:84:0
188	**96**	**288**	**06:27:02.000**	**127XG4B**	**37ETB**	**0A,CA,18,03,FF,1**		**Loads wavelength edit table**	**1R3**	**4**	**0**	**3,652,842:85:0**
189	96	288	06:27:10.000	127XG11A	NIMSTAB	GE		%%%%% GROUP END TAB	1R3	4	0	3,652,843:06:0
190	96	288	06:31:08.666	176XG6A	6TMREC	**PPB**		**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1R3	4	0	3,652,847:00:0
191	96	288	06:34:16.000	20UQ4A	7STAT	17.45,67.957912,		Stator inertial point	1R3	4	0	3,652,850:08:0
192	96	288	06:37:12.666	192XG4A	**7CONE**	**17.0,119.7**		Check S/P Position	1R3	4	0	3,652,853:00:0
193	**96**	**288**	**06:39:34.000**	**432XG6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**		**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,652,855:30:0**
194	**96**	**288**	**06:40:33.333**	**432XH6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**		**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,652,856:28:0**
195	96	288	06:43:16.666	192XG4B	**7CONE**	**17.0,0.0**		Check S/P Position	1R3	4	0	3,652,859:00:0
196	**96**	**288**	**06:45:38.000**	**432XI6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**		**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,652,861:30:0**
197	**96**	**288**	**06:47:38.000**	**432YE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**		**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,652,863:28:0**
198	96	288	06:49:20.666	192XG4C	**7CONE**	**17.0,119.7**		Check S/P Position	1R3	4	0	3,652,865:00:0
199	**96**	**288**	**06:51:22.000**	**185XG10B3A**	**40HRPR**		**1**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**3,652,867:00:0**
200	**96**	**288**	**06:51:42.000**	**432YF6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**		**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,652,867:30:0**
201	**96**	**288**	**06:52:41.333**	**432ZE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**		**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,652,868:28:0**
202	96	288	06:55:24.666	192XG4D	**7CONE**	**17.0,153.0**		Check S/P Position	1R3	4	0	3,652,871:00:0
203	96	288	06:56:20.666	127XH	NIMSTAB	GS		%%%%% GROUP START TAB	1R3	4	0	3,652,871:84:0
204	**96**	**288**	**06:56:20.666**	**127XH4A**	**37IOP**	**0,0**		**Safe, Grating Start Position =00**	**1R0**	**4**	**0**	**3,652,871:84:0**
205	**96**	**288**	**06:56:21.333**	**127XH4B**	**37ETB**	**04,C4,02,00,00**		**Loads wavelength edit table**	**1R0**	**4**	**0**	**3,652,871:85:0**
206	96	288	06:56:29.333	127XH11A	NIMSTAB	GE		%%%%% GROUP END TAB	1R0	4	0	3,652,872:06:0
207	**96**	**288**	**06:59:22.666**	**125XH4A**	**37MB**	**0,0,0,0,0,0**		**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,652,874:84:0**
208	96	288	06:59:22.666	125XH	NIMSINIT	GS		##### GROUP START INIT	1R0	4	0	3,652,874:84:0
209	**96**	**288**	**07:00:23.333**	**125XH4B**	**37IST**	**1,0,0,OFF,0,0,0**		**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**3,652,875:84:0**
210	**96**	**288**	**07:01:24.000**	**125XH4C**	**37IST**	**1,1,0,OFF,0,0,0**		**Chopper OFF, N/A, 63Hz (Ref)**	**1O0**	**4**	**0**	**3,652,876:84:0**
211	96	288	07:01:24.000	125XH11A	NIMSINIT	GE		##### GROUP END INIT	1O0	4	0	3,652,876:84:0
212	96	288	07:07:36.666	41JU99A	**POWER**	**PWR MODE change**		Change to Playback Mode	1O0	4	0	3,652,883:06:0
213	**96**	**288**	**07:07:40.666**	**41JU3I**	**40T1PR**		**1**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,652,883:12:0**
214	**96**	**288**	**07:07:50.666**	**41JU3J**	**40T1PR**		**2**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,652,883:27:0**
215	**96**	**288**	**07:08:00.666**	**41JU3K**	**40T2R**		**1**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,652,883:42:0**
216	**96**	**288**	**07:08:10.666**	**41JU3L**	**40T2R**		**2**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,652,883:57:0**
217	**96**	**288**	**07:10:20.666**	**41JU3G**	**37F2P**		**1**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,652,885:70:0**
218	**96**	**288**	**07:10:30.666**	**41JU3H**	**37F2P**		**2**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,652,885:85:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	96	288	07:17:48.666	20UN4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,652,893:14:0	
220	96	288	07:18:38.666	20UN4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,652,893:89:0	
221	96	288	07:20:41.333	176XH6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,652,896:00:0	
222	**96**	**288**	**07:20:45.333**	**G2NNRCTRLT02-**		**-----STOP-------**		**1O0**	**4**	**0**	**: :**	
223	96	288	08:00:00.000	418JW6A	6BUFHI		7 MUB Buffer high water	1O0	4	0	3,652,934:80:0	
224	96	288	11:05:34.000	488Y6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,653,118:37:0	
225	96	288	12:28:46.000	488Y6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,653,200:63:0	
226	96	288	12:34:24.666	488Y6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,653,206:25:0	
227	96	288	13:31:42.000	488Y6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,653,262:85:0	
228	96	288	14:26:06.000	488Y6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,653,316:67:0	
229	96	288	14:43:33.333	488Z6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,653,334:00:0	
230	96	288	15:20:21.333	488Z6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,653,370:36:0	
231	96	288	19:05:34.600	488Z6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,653,593:13:0	
232	96	288	20:33:02.600	488Z6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,653,679:59:0	
233	96	288	21:04:15.933	488AA6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,653,710:48:0	
234	96	288	21:11:26.600	488AA6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,653,717:57:0	
235	96	288	21:57:58.600	488AA6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,653,763:59:0	
236	96	288	21:59:59.933	418JX6A	6BUFHI		9 MUB Buffer high water	1O0	4	0	3,653,765:59:0	
237	96	288	22:49:53.933	176SM6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,653,815:00:0	
238	96	288	22:53:56.600	176KF6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	1O0	4	0	3,653,819:00:0	
239	96	288	22:58:58.600	165QC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,653,823:89:0	
240	96	288	22:58:59.266	165QC4B	7SCAN	NORM,172.917,3.2	Check S/P Position	1O0	4	0	3,653,823:90:0	
241	96	288	23:34:21.933	165QD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,653,858:89:0	
242	96	288	23:34:22.600	165QD4B	7SCAN	NORM,172.867998,	Check S/P Position	1O0	4	0	3,653,858:90:0	
243	96	289	00:13:03.933	20C4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,653,897:23:0	
244	96	289	00:13:53.933	20C4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,653,898:07:0	
245	96	289	00:16:51.266	176UL6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,653,901:00:0	
246	96	289	02:16:29.933	488AA6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,654,019:30:0	
247	96	289	11:03:25.933	488AB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,654,540:43:0	
248	96	289	12:24:07.266	488AB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,654,620:25:0	
249	96	289	12:28:45.933	488AB6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,654,624:79:0	
250	96	289	13:11:35.933	488AB6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,654,667:21:0	
251	96	289	13:37:01.933	488AB6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,654,692:35:0	
252	96	289	14:51:41.933	488AC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,654,766:21:0	
253	96	289	18:33:33.933	488AC6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,654,985:60:0	
254	96	289	19:50:21.933	488AC6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,655,061:56:0	
255	96	289	20:26:37.933	488AC6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,655,097:44:0	
256	96	289	21:07:09.933	488AD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,655,137:52:0	
257	96	290	02:10:06.533	488AD6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,655,437:17:0	
258	96	290	07:44:59.866	418JY6A	6BUFHI		7 MUB Buffer high water	1O0	4	0	3,655,768:36:0	
259	96	290	10:59:09.866	488AE6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,655,960:39:0	
260	96	290	12:21:55.866	488AE6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,656,042:26:0	
261	96	290	12:24:29.866	488AE6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,656,044:75:0	
262	96	290	13:21:28.533	488AE6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,656,101:16:0	
263	96	290	14:21:49.866	488AE6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,656,160:79:0	
264	96	290	14:33:47.200	488AF6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,656,172:63:0	
265	96	290	15:10:35.866	488AF6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,656,209:09:0	
266	96	290	18:54:53.866	488AF6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,656,430:85:0	
267	96	290	20:26:37.866	488AF6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,656,521:60:0	
268	96	290	21:00:45.866	488AG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,656,555:38:0	
269	96	290	21:20:54.533	488AG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,656,575:31:0	
270	96	290	21:48:12.533	488AG6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,656,602:31:0	
271	96	291	01:59:59.866	418JK6A	6BUFHI		7 MUB Buffer high water	1O0	4	0	3,656,851:33:0	
272	96	291	02:10:05.866	488AG6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,656,861:32:0	
273	96	291	10:54:54.466	488AH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,657,380:36:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	96	291	12:12:19.133	488AH6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,657,456:87:0	
275	96	291	12:20:14.466	488AH6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,657,464:72:0	
276	96	291	14:22:20.466	488AH6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,657,585:50:0	
277	96	291	14:47:25.800	488AH6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,657,610:33:0	
278	96	291	18:25:01.800	488AI6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,657,825:52:0	
279	96	291	19:39:41.800	488AI6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,657,899:38:0	
280	96	291	20:52:13.800	488AI6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,657,971:14:0	
281	96	291	21:38:56.466	488AI6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,658,017:32:0	
282	96	291	22:15:44.466	488AI6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,658,053:68:0	
283	96	291	22:41:01.800	488AJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,658,078:69:0	
284	96	292	01:50:53.800	488AJ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,658,266:49:0	
285	96	292	05:08:49.800	488AK6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,658,462:27:0	
286	96	292	05:27:01.800	488AK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,658,480:27:0	
287	96	292	06:16:16.466	176TS6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,658,529:00:0	
288	96	292	06:19:59.800	41T99A	**POWER**	**PWR MODE change**	Change to Calib/Decon Mode	1O0	4	0	3,658,532:62:0	
289	**96**	**292**	**06:20:03.800**	**41T3G**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,658,532:68:0**	
290	**96**	**292**	**06:20:13.800**	**41T3H**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,658,532:83:0**	
291	**96**	**292**	**06:20:23.800**	**41T3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,658,533:07:0**	
292	**96**	**292**	**06:20:33.800**	**41T3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,658,533:22:0**	
293	**96**	**292**	**06:20:43.800**	**41T3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,658,533:37:0**	
294	**96**	**292**	**06:20:53.800**	**41T3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,658,533:52:0**	
295	96	292	10:48:30.400	488AK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,658,798:22:0	
296	96	292	12:11:29.066	488AL6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,658,880:28:0	
297	96	292	12:13:50.400	488AL6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,658,882:58:0	
298	96	292	13:16:15.066	488AL6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,658,944:33:0	
299	96	292	14:09:59.733	41UA99A	**POWER**	**PWR MODE change**	Change to Playback Mode	1O0	4	0	3,658,997:47:0	
300	**96**	**292**	**14:10:03.733**	**41UA3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,658,997:53:0**	
301	**96**	**292**	**14:10:13.733**	**41UA3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,658,997:68:0**	
302	**96**	**292**	**14:10:23.733**	**41UA3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,658,997:83:0**	
303	**96**	**292**	**14:10:33.733**	**41UA3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,658,998:07:0**	
304	**96**	**292**	**14:12:43.733**	**41UA3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,659,000:20:0**	
305	**96**	**292**	**14:12:53.733**	**41UA3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,659,000:35:0**	
306	96	292	14:17:34.400	488AL6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,659,005:01:0	
307	96	292	14:20:03.733	20D4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,659,007:43:0	
308	96	292	14:20:53.733	20D4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,659,008:27:0	
309	96	292	14:23:37.733	176TT6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,659,011:00:0	
310	96	292	14:29:01.733	488AL6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,659,016:31:0	
311	96	292	15:05:49.733	488AM6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,659,052:67:0	
312	96	292	18:44:14.400	488AM6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,659,268:68:0	
313	96	292	20:15:57.733	488AM6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,659,359:42:0	
314	96	292	20:56:29.733	488AM6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,659,399:50:0	
315	96	292	21:16:08.400	488AN6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,659,418:89:0	
316	96	292	21:29:59.733	418JL6A	6BUFHI	10	MUB Buffer high water	1O0	4	0	3,659,432:62:0	
317	96	292	21:43:26.400	488AN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,659,445:89:0	
318	96	293	02:05:49.733	488AN6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,659,705:44:0	
319	96	293	10:44:13.733	488AO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,660,218:17:0	
320	96	293	12:09:47.066	488AO6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,660,302:73:0	
321	96	293	12:13:49.733	488AO6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,660,306:73:0	
322	96	293	12:50:05.733	488AO6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,660,342:61:0	
323	96	293	13:01:07.733	488AO6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,660,353:53:0	
324	96	293	13:26:21.733	488AP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,660,378:49:0	
325	96	293	14:41:01.733	488AP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,660,452:35:0	
326	**96**	**293**	**15:59:29.066**	**432JE6B**	**6RTDS2**	**NIMNCG,AACDSL,RT**	**AACS DESELECT**	**1O0**	**4**	**0**	**3,660,529:89:0**	
327	96	293	16:00:37.066	432JX431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	1O0	4	0	3,660,531:09:0	
328	96	293	16:00:37.733	432JX6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,660,531:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	**96**	**293**	**16:00:37.733**	**432JX6B**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**1O0**	**4**	**0**	**3,660,531:10:0**	
330	96	293	18:14:22.333	488AP6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,660,663:35:0	
331	96	293	19:33:18.333	488AQ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,660,741:41:0	
332	96	293	20:15:58.333	488AQ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,660,783:59:0	
333	96	293	20:56:30.333	488AQ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,660,823:67:0	
334	96	294	01:59:25.666	488AR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,661,123:30:0	
335	96	294	10:39:57.666	488AS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,661,638:13:0	
336	96	294	12:06:44.333	488AS6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,661,723:88:0	
337	96	294	12:09:33.666	488AS6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,661,726:69:0	
338	96	294	12:56:01.000	488AS6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,661,772:64:0	
339	96	294	13:22:05.666	488AS6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,661,798:45:0	
340	96	294	14:36:45.666	488AT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,661,872:31:0	
341	96	294	18:07:57.666	488AT6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,662,081:20:0	
342	96	294	19:29:01.666	488AT6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,662,161:36:0	
343	96	294	20:11:41.666	488AT6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,662,203:54:0	
344	96	294	20:52:13.666	488AU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,662,243:62:0	
345	96	294	22:19:30.333	176SQ6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,662,330:00:0	
346	96	294	22:23:33.000	176KG6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	1O0	4	0	3,662,334:00:0	
347	96	294	22:28:35.000	165QE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,662,338:89:0	
348	96	294	22:28:35.666	165QE4B	7SCAN	NORM,170.723999,	Check S/P Position	1O0	4	0	3,662,338:90:0	
349	96	294	23:03:58.266	165QF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,662,373:89:0	
350	96	294	23:03:58.933	165QF4B	7SCAN	NORM,170.808998,	Check S/P Position	1O0	4	0	3,662,373:90:0	
351	96	294	23:43:04.266	20E4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,662,412:59:0	
352	96	294	23:43:54.266	20E4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,662,413:43:0	
353	96	294	23:46:27.600	176UP6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,662,416:00:0	
354	96	295	00:00:00.266	481UE4A	7VECT		Inert vect update UTC	1O0	4	0	3,662,429:36:0	
355	96	295	01:59:26.266	488AU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,662,547:47:0	
356	96	295	10:33:33.600	488AV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,663,055:90:0	
357	96	295	12:00:58.933	488AV6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,663,142:41:0	
358	96	295	12:03:09.600	488AV6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,663,144:55:0	
359	96	295	13:05:54.933	488AV6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,663,206:61:0	
360	96	295	14:11:09.600	488AV6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,663,271:18:0	
361	96	295	14:19:21.600	488AW6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,663,279:28:0	
362	96	295	14:56:09.600	488AW6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,663,315:64:0	
363	96	295	16:00:00.266	488AW6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	3,663,378:77:0	
364	96	295	16:52:20.266	488AW6D	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	3,663,430:55:0	
365	96	295	18:12:40.266	488AW6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,663,510:05:0	
366	96	295	18:29:17.600	488AX6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,663,526:45:0	
367	96	295	20:05:17.600	488AX6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,663,621:40:0	
368	96	295	20:52:13.600	488AX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,663,667:78:0	
369	96	295	21:06:28.266	488AX6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,663,681:86:0	
370	96	295	21:33:46.933	488AX6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,663,708:87:0	
371	96	295	21:54:02.933	176SR6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,663,729:00:0	
372	96	295	21:58:05.600	176KH6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	1O0	4	0	3,663,733:00:0	
373	96	295	22:04:08.266	165QG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,663,738:89:0	
374	96	295	22:04:08.933	165QG4B	7SCAN	NORM,177.720999,	Check S/P Position	1O0	4	0	3,663,738:90:0	
375	96	295	22:38:30.933	165QH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,663,772:89:0	
376	96	295	22:38:31.600	165QH4B	7SCAN	NORM,177.809999,	Check S/P Position	1O0	4	0	3,663,772:90:0	
377	96	295	23:18:04.266	20F4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,663,812:09:0	
378	96	295	23:18:54.266	20F4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,663,812:84:0	
379	96	295	23:21:00.266	176UQ6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,663,815:00:0	
380	96	296	01:55:09.600	488AY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,663,967:42:0	
381	**96**	**296**	**10:00:08.866**	**432JY6B**	**6RTDS2**	**NIMNCG,AACDSL,RT**	**AACS DESELECT**	**1O0**	**4**	**0**	**3,664,447:11:0**	
382	96	296	10:29:18.200	488AZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,664,475:87:0	
383	96	296	11:58:46.866	488AZ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,664,564:41:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	96	296	11:58:54.200	488AZ6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,664,564	52:0
385	96	296	12:50:48.200	488AZ6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,664,615	82:0
386	96	296	13:15:42.200	488AZ6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,664,640	48:0
387	96	296	14:36:45.533	488BA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,664,720	63:0
388	96	296	14:49:12.200	176SS6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,664,733	00:0
389	96	296	14:53:14.866	176KI6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	1O0	4	0	3,664,737	00:0
390	96	296	14:59:17.533	165QI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,664,742	89:0
391	96	296	14:59:18.200	165QI4B	7SCAN	NORM,170.723,4.0	Check S/P Position	1O0	4	0	3,664,742	90:0
392	96	296	15:33:40.200	165QJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,664,776	89:0
393	96	296	15:33:40.866	165QJ4B	7SCAN	NORM,170.776999,	Check S/P Position	1O0	4	0	3,664,776	90:0
394	96	296	16:13:04.200	20G4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,664,815	86:0
395	96	296	16:13:54.200	20G4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,664,816	70:0
396	96	296	16:16:09.533	176UR6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,664,819	00:0
397	96	296	16:55:35.533	176SP6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,664,858	00:0
398	96	296	17:00:00.200	41VA99A	**POWER**	**PWR MODE change**	Change to Maneuver Mode	1O0	4	0	3,664,862	33:0
399	**96**	**296**	**17:00:04.200**	**41VA3K**	**37F2PR**	**1**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,664,862**	**39:0**
400	**96**	**296**	**17:00:14.200**	**41VA3L**	**37F2PR**	**2**	**Shield Flash Heater OFF (primary relay)**	**1O0**	**4**	**0**	**3,664,862**	**54:0**
401	**96**	**296**	**17:02:24.200**	**41VA3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,664,864**	**67:0**
402	**96**	**296**	**17:02:34.200**	**41VA3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,664,864**	**82:0**
403	**96**	**296**	**17:02:44.200**	**41VA3I**	**40T2**	**1**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,664,865**	**06:0**
404	**96**	**296**	**17:02:54.200**	**41VA3J**	**40T2**	**2**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,664,865**	**21:0**
405	96	296	17:03:00.200	488BA6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,664,865	30:0
406	96	296	17:12:00.200	20UU4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,664,874	21:0
407	96	296	17:13:00.200	20UU4D	**7MODE**	**SPNL**	AACS ALL-SPIN LOW	1O0	4	0	3,664,875	20:0
408	96	296	17:15:00.200	20UU4E	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1O0	4	0	3,664,877	18:0
409	96	296	17:20:30.200	20UU4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	1O0	4	0	3,664,882	58:0
410	96	296	17:20:30.866	20UU4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	1O0	4	0	3,664,882	59:0
411	96	296	17:20:50.866	20UU4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	1O0	4	0	3,664,882	89:0
412	96	296	17:20:51.533	20UU4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	1O0	4	0	3,664,882	90:0
413	96	296	17:21:11.533	20UU4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	3,664,883	29:0
414	96	296	17:21:12.200	20UU4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	3,664,883	30:0
415	96	296	17:21:22.200	20UU4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	3,664,883	45:0
416	96	296	17:21:22.866	20UU4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	3,664,883	46:0
417	96	296	17:21:32.866	20UU4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	1O0	4	0	3,664,883	61:0
418	96	296	17:21:33.533	20UU4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	1O0	4	0	3,664,883	62:0
419	96	296	17:23:20.200	20UU4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	1O0	4	0	3,664,885	40:0
420	96	296	17:23:20.866	20UU4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	1O0	4	0	3,664,885	41:0
421	96	296	17:23:40.866	20UU4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	1O0	4	0	3,664,885	71:0
422	96	296	17:23:41.533	20UU4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	1O0	4	0	3,664,885	72:0
423	96	296	17:24:01.533	20UU4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	3,664,886	11:0
424	96	296	17:24:02.200	20UU4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	3,664,886	12:0
425	96	296	17:24:12.200	20UU4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	3,664,886	27:0
426	96	296	17:24:12.866	20UU4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	3,664,886	28:0
427	96	296	17:24:22.866	20UU4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	1O0	4	0	3,664,886	43:0
428	96	296	17:24:23.533	20UU4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	1O0	4	0	3,664,886	44:0
429	96	296	17:25:20.200	20UU4Z	**7MODE**	**CRU**	AACS CRUISE MODE	1O0	4	0	3,664,887	38:0
430	96	296	17:50:00.200	41UB99A	**POWER**	**PWR MODE change**	Change to Playback Mode	1O0	4	0	3,664,911	74:0
431	**96**	**296**	**17:50:04.200**	**41UB3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,664,911**	**80:0**
432	**96**	**296**	**17:50:14.200**	**41UB3J**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,664,912**	**04:0**
433	**96**	**296**	**17:50:24.200**	**41UB3K**	**40T2R**	**1**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,664,912**	**19:0**
434	**96**	**296**	**17:50:34.200**	**41UB3L**	**40T2R**	**2**	**PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,664,912**	**34:0**
435	**96**	**296**	**17:52:44.200**	**41UB3G**	**37F2P**	**1**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,664,914**	**47:0**
436	**96**	**296**	**17:52:54.200**	**41UB3H**	**37F2P**	**2**	**Shield Flash Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,664,914**	**62:0**
437	96	296	17:59:25.533	488BA6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	1O0	4	0	3,664,921	12:0
438	96	296	18:00:04.200	20H4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,664,921	70:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	96	296	18:00:54.200	20H4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,664,922	54:0
440	96	296	18:03:20.200	176UO6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,664,925	00:0
441	96	296	19:11:00.200	488BA6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,664,991	84:0
442	96	296	19:18:21.533	488BA6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,664,999	18:0
443	96	296	20:35:09.533	488BB6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,665,075	14:0
444	96	296	21:24:30.200	488BB6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,665,123	87:0
445	96	296	22:01:18.866	488BB6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,665,160	33:0
446	96	296	22:45:17.533	488BB6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,665,203	78:0
447	96	297	00:49:01.533	488BB6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,665,326	21:0
448	96	297	01:09:31.533	488BC6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,665,346	46:0
449	96	297	01:46:19.533	488BC6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,665,382	82:0
450	96	297	01:55:31.533	176TK6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,665,392	00:0
451	96	297	02:03:41.533	488BC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,665,400	07:0
452	96	297	04:00:04.200	20UL4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,665,515	16:0
453	96	297	04:00:54.200	20UL4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,665,516	00:0
454	96	297	04:03:56.200	176VL6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,665,519	00:0
455	96	297	05:09:39.533	176ST6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,665,584	00:0
456	96	297	05:13:42.200	176KJ6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	1O0	4	0	3,665,588	00:0
457	96	297	05:18:44.200	165QK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,665,592	89:0
458	96	297	05:18:44.866	165QK4B	7SCAN	NORM,169.688,4.4	Check S/P Position	1O0	4	0	3,665,592	90:0
459	96	297	05:54:07.533	165QL4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,665,627	89:0
460	96	297	05:54:08.200	165QL4B	7SCAN	NORM,169.745998,	Check S/P Position	1O0	4	0	3,665,627	90:0
461	96	297	06:33:04.200	20UK4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,665,666	45:0
462	96	297	06:33:54.200	20UK4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,665,667	29:0
463	96	297	06:36:36.866	176US6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,665,670	00:0
464	96	297	10:18:37.533	488BD6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,665,889	52:0
465	96	297	11:37:34.133	488BD6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,665,967	59:0
466	96	297	11:53:23.466	488BD6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,665,983	27:0
467	96	297	12:45:42.133	488BD6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,666,035	03:0
468	96	297	13:11:26.133	488BD6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,666,060	44:0
469	96	297	13:34:34.800	488BE6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,666,083	34:0
470	96	297	14:08:42.800	488BE6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,666,117	12:0
471	96	297	14:36:46.133	488BE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,666,144	80:0
472	96	297	14:36:46.800	20XX6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,666,144	81:0
473	96	297	15:49:18.133	20XX6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,666,216	56:0
474	96	297	16:49:02.133	20XX6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,666,275	63:0
475	96	297	17:48:46.133	20XX6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,666,334	70:0
476	96	297	17:53:02.133	488BE6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,666,338	90:0
477	96	297	19:18:22.133	488BE6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,666,423	35:0
478	96	297	19:28:21.466	488BF6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,666,433	24:0
479	96	297	19:50:22.133	488BF6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,666,455	03:0
480	96	298	03:03:30.800	488BG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,666,883	38:0
481	96	298	10:18:37.466	488BH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,667,313	68:0
482	96	298	11:49:48.800	488BH6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,667,403	85:0
483	96	298	11:52:29.466	488BH6C	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	1O0	4	0	3,667,406	53:0
484	96	298	12:28:45.466	488BH6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,667,442	41:0
485	96	298	14:50:13.466	488BH6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,667,582	33:0
486	96	298	16:04:34.133	488BI6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,667,655	81:0
487	96	298	16:50:13.466	488BI6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,667,701	04:0
488	96	298	17:48:46.066	488BI6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,667,758	86:0
489	96	298	19:13:38.066	488BI6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,667,842	80:0
490	96	298	19:14:06.066	488BI6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,667,843	31:0
491	96	298	23:50:32.066	488BJ6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,668,116	67:0
492	96	299	00:17:02.066	488BJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,668,142	86:0
493	96	299	01:35:58.066	488BJ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,668,221	01:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	96	299	05:34:34.733	176SV6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,668,457	00:0
495	96	299	05:38:37.400	176KK6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	1O0	4	0	3,668,461	00:0
496	96	299	05:43:39.400	165QM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,668,465	89:0
497	96	299	05:43:40.066	165QM4B	7SCAN	NORM,177.873999,	Check S/P Position	1O0	4	0	3,668,465	90:0
498	96	299	06:19:02.733	165QN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,668,500	89:0
499	96	299	06:19:03.400	165QN4B	7SCAN	NORM,177.727999,	Check S/P Position	1O0	4	0	3,668,500	90:0
500	96	299	06:58:04.066	20J4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,668,539	52:0
501	96	299	06:58:54.066	20J4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,668,540	36:0
502	96	299	07:01:32.066	176UU6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,668,543	00:0
503	96	299	10:14:21.400	488BK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,668,733	64:0
504	96	299	11:45:47.400	488BK6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,668,824	12:0
505	96	299	11:48:13.400	488BK6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,668,826	49:0
506	96	299	12:55:28.733	488BK6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,668,893	05:0
507	96	299	14:03:25.400	488BK6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	3,668,960	23:0
508	96	299	14:06:53.400	488BL6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,668,963	62:0
509	96	299	14:41:35.400	488BL6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,668,998	00:0
510	96	299	17:59:22.733	488BL6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,669,193	56:0
511	96	299	20:01:26.733	488BL6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,669,314	31:0
512	96	299	20:41:33.400	488BM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,669,354	01:0
513	96	299	20:51:54.066	488BM6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,669,364	22:0
514	96	299	21:19:12.733	488BM6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,669,391	23:0
515	96	299	22:00:00.066	488BM6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,669,431	54:0
516	96	299	22:52:20.066	488BM6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,669,483	32:0
517	96	300	00:12:40.000	488BN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,669,562	73:0
518	96	300	01:48:46.000	488BN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,669,657	77:0
519	96	300	07:04:23.333	176SW6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,669,970	00:0
520	96	300	07:08:26.000	176KL6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	1O0	4	0	3,669,974	00:0
521	96	300	07:13:28.000	165QO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,669,978	89:0
522	96	300	07:13:28.666	165QO4B	7SCAN	NORM,187.046999,	Check S/P Position	1O0	4	0	3,669,978	90:0
523	96	300	07:48:51.333	165QP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	1O0	4	0	3,670,013	89:0
524	96	300	07:48:52.000	165QP4B	7SCAN	NORM,187.123999,	Check S/P Position	1O0	4	0	3,670,013	90:0
525	96	300	08:28:04.000	20K4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	1O0	4	0	3,670,052	69:0
526	96	300	08:28:54.000	20K4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,670,053	53:0
527	96	300	08:31:20.666	176UV6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	1O0	4	0	3,670,056	00:0
528	96	300	09:56:16.666	176SC6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	1O0	4	0	3,670,140	00:0
529	**96**	**300**	**09:57:23.999**	**G2NNOPCAL_02-**		**-----START------**		**1O0**	**4**	**0**	**: :**	
530	**96**	**300**	**09:58:13.333**	**125FG4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**3,670,141**	**84:0**
531	96	300	09:58:13.333	125FG	NIMSINIT	GS	##### GROUP START INIT	160	4	0	3,670,141	84:0
532	**96**	**300**	**09:59:14.000**	**125FG4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**1R0**	**4**	**0**	**3,670,142**	**84:0**
533	**96**	**300**	**10:00:14.666**	**125FG4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,670,143**	**84:0**
534	96	300	10:00:14.666	125FG11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	3,670,143	84:0
535	96	300	10:05:29.333	20DX4A	**7SAFE**	**UNSTOW**	S/P TO 153 deg cone	1R0	4	0	3,670,149	10:0
536	96	300	10:07:57.333	488BO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1R0	4	0	3,670,151	50:0
537	**96**	**300**	**10:09:20.666**	**125DA4A**	**37IST**	**0,0,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**3,670,152**	**84:0**
538	96	300	10:09:20.666	125DA	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	3,670,152	84:0
539	**96**	**300**	**10:10:21.333**	**125DA4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**3,670,153**	**84:0**
540	96	300	10:10:21.333	125DA11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	3,670,153	84:0
541	**96**	**300**	**10:11:22.000**	**127DA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,670,154**	**84:0**
542	96	300	10:11:22.000	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,670,154	84:0
543	**96**	**300**	**10:11:22.666**	**127DA4B**	**37ETB**	**07,C7,31,80,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,670,154**	**85:0**
544	96	300	10:11:33.333	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,670,155	10:0
545	**96**	**300**	**10:11:46.666**	**432DA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**3,670,155**	**30:0**
546	**96**	**300**	**10:12:22.666**	**125DI4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**3,670,155**	**84:0**
547	96	300	10:12:22.666	125DI	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,670,155	84:0
548	96	300	10:12:22.666	125DI11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,670,155	84:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	96	300	10:14:24.000	125DJ11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,670,157:84:0	
550	**96**	**300**	**10:14:24.000**	**125DJ4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**3,670,157:84:0**	
551	96	300	10:14:24.000	125DJ	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,670,157:84:0	
552	**96**	**300**	**10:14:47.333**	**432DI6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,670,158:28:0**	
553	**96**	**300**	**10:16:25.333**	**125EU4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,670,159:84:0**	
554	96	300	10:16:25.333	125EU	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,670,159:84:0	
555	96	300	10:16:25.333	125EU11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,670,159:84:0	
556	**96**	**300**	**10:20:28.000**	**127FS4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**3,670,163:84:0**	
557	96	300	10:20:28.000	127FS	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	3,670,163:84:0	
558	**96**	**300**	**10:20:28.666**	**127FS4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**3,670,163:85:0**	
559	96	300	10:20:39.333	127FS11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	3,670,164:10:0	
560	96	300	10:23:30.000	125FZ	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	3,670,166:84:0	
561	**96**	**300**	**10:23:30.000**	**125FZ4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**3,670,166:84:0**	
562	**96**	**300**	**10:24:30.666**	**125FZ4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,670,167:84:0**	
563	96	300	10:25:31.333	125FZ11A	NIMSINIT	GE	##### GROUP END INIT	460	4	0	3,670,168:84:0	
564	**96**	**300**	**10:25:31.333**	**125FZ4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**3,670,168:84:0**	
565	**96**	**300**	**10:25:42.666**	**G2NNOPCAL_02-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
566	96	300	10:31:04.000	20W4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,670,174:37:0	
567	96	300	10:31:54.000	20W4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,670,175:21:0	
568	96	300	10:34:42.000	176TC6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,670,178:00:0	
569	96	300	11:43:57.333	488BO6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,670,246:45:0	
570	96	300	11:52:03.333	488BO6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,670,254:46:0	
571	96	300	12:26:56.000	176SX6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,670,289:00:0	
572	96	300	12:30:58.666	176KM6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	4O0	4	0	3,670,293:00:0	
573	96	300	12:35:22.000	488BO6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,670,297:31:0	
574	96	300	12:36:00.666	165QQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,670,297:89:0	
575	96	300	12:36:01.333	165QQ4B	7SCAN	NORM,177.681,0.7	Check S/P Position	4O0	4	0	3,670,297:90:0	
576	96	300	13:05:01.333	488BO6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,670,326:61:0	
577	96	300	13:31:37.333	165QR4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,670,352:89:0	
578	96	300	13:31:38.000	165QR4B	7SCAN	NORM,177.922998,	Check S/P Position	4O0	4	0	3,670,352:90:0	
579	96	300	14:11:04.000	20L4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,670,391:90:0	
580	96	300	14:11:54.000	20L4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,670,392:74:0	
581	96	300	14:14:06.666	176UW6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,670,395:00:0	
582	96	300	14:36:45.333	488BP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,670,417:36:0	
583	96	300	17:33:49.333	488BP6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,670,592:47:0	
584	96	300	17:48:28.000	176SY6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,670,607:00:0	
585	96	300	17:52:30.666	176KN6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	4O0	4	0	3,670,611:00:0	
586	96	300	17:57:32.666	165QS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,670,615:89:0	
587	96	300	17:57:33.333	165QS4B	7SCAN	NORM,189.917999,	Check S/P Position	4O0	4	0	3,670,615:90:0	
588	96	300	18:22:49.333	165QT4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,670,640:89:0	
589	96	300	18:22:50.000	165QT4B	7SCAN	NORM,189.931,-5.	Check S/P Position	4O0	4	0	3,670,640:90:0	
590	96	300	18:55:04.000	20M4A	**7SAFE**	**STOP**	S/P NO MOVEMENT	4O0	4	0	3,670,672:79:0	
591	96	300	18:55:54.000	20M4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,670,673:63:0	
592	96	300	18:58:14.000	176VA6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,670,676:00:0	
593	96	300	19:03:25.333	488BP6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,670,681:12:0	
594	96	300	19:56:45.333	488BP6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,670,733:80:0	
595	96	300	20:35:09.333	488BP6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,670,771:78:0	
596	96	301	01:48:45.333	488BQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,671,082:01:0	
597	96	301	10:03:41.933	488BR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,671,571:47:0	
598	96	301	11:37:33.933	488BR6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,671,664:32:0	
599	96	301	11:37:57.266	488BR6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,671,664:67:0	
600	96	301	12:35:15.933	488BR6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,671,721:38:0	
601	96	301	13:00:45.933	488BR6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,671,746:58:0	
602	96	301	14:34:37.933	488BS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,671,839:43:0	
603	96	301	17:23:09.266	488BS6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,672,006:13:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	96	301	18:02:25.266	431ZL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	3,672,044:89:0	
605	96	301	18:06:35.933	20ZM6A	6EUVON			4O0	4	0	3,672,049:10:0	
606	96	301	18:07:29.933	431ZM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	3,672,050:00:0	
607	96	301	18:30:45.266	176BA6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,672,073:00:0	
608	96	301	18:33:45.933	165BE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,672,075:89:0	
609	96	301	18:33:46.600	165BE4B	7SCAN	NORM,190.089998,	Check S/P Position	4O0	4	0	3,672,075:90:0	
610	**96**	**301**	**18:36:55.933**	**432BE6B**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**4O0**	**4**	**0**	**3,672,079:10:0**	
611	96	301	18:37:47.933	20UA4A	**7CONE**	**17.45,90.729**	Check S/P Position	4O0	4	0	3,672,079:88:0	
612	96	301	18:38:23.933	20UA4B	7STAT	17.45,268.662,64	Stator inertial point	4O0	4	0	3,672,080:51:0	
613	96	301	18:38:50.600	176BB6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,672,081:00:0	
614	96	301	18:59:09.266	488BS6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,672,101:08:0	
615	96	301	19:50:21.266	488BS6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,672,151:66:0	
616	96	301	20:35:09.266	488BT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,672,196:03:0	
617	96	302	01:44:29.266	488BT6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,672,501:88:0	
618	96	302	06:59:59.933	418JM6A	6BUFHI	8	MUB Buffer high water	4O0	4	0	3,672,814:01:0	
619	96	302	09:57:17.266	488BU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,672,989:32:0	
620	96	302	11:33:09.933	488BU6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,673,084:16:0	
621	96	302	11:33:17.266	488BU6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,673,084:27:0	
622	96	302	12:50:09.866	488BU6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,673,160:30:0	
623	96	302	13:49:12.533	488BU6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,673,218:66:0	
624	96	302	14:04:45.866	488BV6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,673,234:10:0	
625	96	302	14:31:54.533	488BV6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,673,260:87:0	
626	96	302	17:48:45.866	488BV6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,673,455:59:0	
627	96	302	19:06:16.533	488BV6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,673,532:28:0	
628	96	302	19:18:21.866	488BV6E	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,673,544:24:0	
629	96	302	19:54:37.866	488BW6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,673,580:12:0	
630	96	302	20:06:07.866	488BW6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,673,591:46:0	
631	96	302	20:35:09.866	488BW6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,673,620:20:0	
632	96	302	20:42:13.200	488BW6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,673,627:18:0	
633	96	302	21:09:31.866	488BW6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,673,654:19:0	
634	96	302	21:44:59.866	418JN6A	6BUFHI	10	MUB Buffer high water	4O0	4	0	3,673,689:26:0	
635	96	303	01:44:29.200	488BX6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,673,926:13:0	
636	96	303	02:23:46.533	176TL6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,673,965:00:0	
637	96	303	02:28:49.866	176KO6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	4O0	4	0	3,673,970:00:0	
638	96	303	02:33:51.866	165QU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,673,974:89:0	
639	96	303	02:33:52.533	165QU4B	7SCAN	NORM,205.127998,	Check S/P Position	4O0	4	0	3,673,974:90:0	
640	96	303	02:59:08.533	165QV4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,673,999:89:0	
641	96	303	02:59:09.200	165QV4B	7SCAN	NORM,205.184999,	Check S/P Position	4O0	4	0	3,673,999:90:0	
642	96	303	04:00:49.200	165BG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,674,060:89:0	
643	96	303	04:00:49.866	165BG4B	7SCAN	NORM,192.314999,	Check S/P Position	4O0	4	0	3,674,060:90:0	
644	96	303	04:02:03.866	20UB4A	**7CONE**	**17.45,91.934**	Check S/P Position	4O0	4	0	3,674,062:19:0	
645	96	303	04:02:39.866	20UB4B	7STAT	17.45,270.380,64	Stator inertial point	4O0	4	0	3,674,062:73:0	
646	96	303	08:38:53.866	176VB6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,674,336:00:0	
647	96	303	09:53:01.200	488BY6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,674,409:28:0	
648	96	303	11:30:37.200	488BY6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,674,505:76:0	
649	96	303	11:33:17.200	488BY6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,674,508:43:0	
650	96	303	12:45:02.533	488BY6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,674,579:40:0	
651	96	303	13:43:58.533	488BY6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,674,637:66:0	
652	96	303	14:09:31.866	176BG6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,674,663:00:0	
653	96	303	14:12:32.533	165BH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,674,665:89:0	
654	96	303	14:12:33.200	165BH4B	7SCAN	NORM,193.546999,	Check S/P Position	4O0	4	0	3,674,665:90:0	
655	96	303	14:14:37.200	20UC4A	**7CONE**	**17.45,93.284**	Check S/P Position	4O0	4	0	3,674,668:03:0	
656	96	303	14:15:13.200	20UC4B	7STAT	17.45,270.371,64	Stator inertial point	4O0	4	0	3,674,668:57:0	
657	96	303	14:17:37.200	176BH6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,674,671:00:0	
658	96	303	14:28:13.200	488BZ6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,674,681:44:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	96	303	14:36:26.533	488BZ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,674,689	56:0
660	96	303	15:59:59.866	488BZ6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	3,674,772	23:0
661	96	303	16:52:19.866	488BZ6D	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	4O0	4	0	3,674,824	01:0
662	96	303	17:38:05.200	488BZ6E	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	4O0	4	0	3,674,869	24:0
663	96	303	18:12:39.800	488CA6A	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,674,903	42:0
664	96	303	18:27:43.133	488CA6B	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,674,918	32:0
665	96	303	19:30:01.800	488CA6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,674,979	89:0
666	96	303	19:48:13.800	488CA6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,674,997	89:0
667	96	303	20:10:14.466	488CA6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,675,019	68:0
668	96	303	20:39:25.800	488CB6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,675,048	56:0
669	96	303	20:43:25.133	488CB6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,675,052	51:0
670	96	303	23:44:51.133	176TA6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,675,232	00:0
671	96	303	23:48:53.800	176KP6A	6TMREC	ORT	OPNAV - REAL TIME Record Mode Change	4O0	4	0	3,675,236	00:0
672	96	303	23:53:55.800	165QW4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,675,240	89:0
673	96	303	23:53:56.466	165QW4B	7SCAN	NORM,210.927999,	Check S/P Position	4O0	4	0	3,675,240	90:0
674	96	304	00:29:19.133	165QX4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,675,275	89:0
675	96	304	00:29:19.800	165QX4B	7SCAN	NORM,211.004,-13	Check S/P Position	4O0	4	0	3,675,275	90:0
676	96	304	01:09:45.800	165BI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,675,315	89:0
677	96	304	01:09:46.466	165BI4B	7SCAN	NORM,190.303999,	Check S/P Position	4O0	4	0	3,675,315	90:0
678	96	304	01:11:49.800	20UD4A	**7CONE**	**17.45,90.000233**	Check S/P Position	4O0	4	0	3,675,318	02:0
679	96	304	01:12:25.800	20UD4B	7STAT	17.45,269.024398	Stator inertial point	4O0	4	0	3,675,318	56:0
680	96	304	01:14:50.466	176BJ6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,675,321	00:0
681	96	304	01:44:29.800	488CB6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,675,350	30:0
682	96	304	04:59:59.800	481UG4A	7VECT		Inert vect update UTC	4O0	4	0	3,675,543	62:0
683	96	304	06:12:06.466	176BC6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,675,615	00:0
684	96	304	06:16:07.800	165BQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,675,618	89:0
685	96	304	06:16:08.466	165BQ4B	7SCAN	NORM,190.066999,	Check S/P Position	4O0	4	0	3,675,618	90:0
686	96	304	06:17:53.133	20UV4A	**7CONE**	**17.45,90.003879**	Check S/P Position	4O0	4	0	3,675,620	65:0
687	96	304	06:18:29.133	20UV4B	7STAT	17.45,267.430207	Stator inertial point	4O0	4	0	3,675,621	28:0
688	96	304	06:19:11.133	176BD6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,675,622	00:0
689	96	304	06:29:59.800	418JO6A	6BUFHI	8	MUB Buffer high water	4O0	4	0	3,675,632	63:0
690	96	304	09:42:21.133	488CC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,675,822	85:0
691	96	304	10:34:59.800	176BE6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,675,875	00:0
692	96	304	10:39:01.133	165BR4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,675,878	89:0
693	96	304	10:39:01.800	165BR4B	7SCAN	NORM,191.217999,	Check S/P Position	4O0	4	0	3,675,878	90:0
694	96	304	10:39:22.466	20UO4A	**7CONE**	**17.45,90.581484**	Check S/P Position	4O0	4	0	3,675,879	30:0
695	96	304	10:39:58.466	20UO4B	7STAT	17.45,270.747391	Stator inertial point	4O0	4	0	3,675,879	84:0
696	96	304	10:41:03.800	176BF6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,675,881	00:0
697	96	304	11:26:53.133	488CC6B	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,675,926	29:0
698	96	304	11:27:38.466	488CC6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,675,927	06:0
699	96	304	12:44:57.133	488CC6D	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,676,003	48:0
700	96	304	13:44:05.133	488CC6E	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,676,062	01:0
701	96	304	14:28:13.133	488CD6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,676,105	60:0
702	96	304	14:36:30.466	488CD6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,676,113	78:0
703	96	304	16:52:08.466	176BK6A	6TMREC	**PPB**	**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,676,248	00:0
704	96	304	16:55:09.133	165BJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	4O0	4	0	3,676,250	89:0
705	96	304	16:55:09.800	165BJ4B	7SCAN	NORM,196.632999,	Check S/P Position	4O0	4	0	3,676,250	90:0
706	96	304	16:57:13.800	20UE4A	**7CONE**	**17.45,97.187**	Check S/P Position	4O0	4	0	3,676,253	03:0
707	96	304	16:57:49.800	20UE4B	7STAT	17.45,267.653,64	Stator inertial point	4O0	4	0	3,676,253	57:0
708	96	304	17:00:13.800	176BL6A	6TMREC	**RPB**	**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,676,256	00:0
709	96	304	17:27:25.133	488CD6C	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,676,282	81:0
710	96	304	18:52:37.133	488CD6D	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,676,367	14:0
711	96	304	19:39:55.800	488CD6E	6TMSED	NORM,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,676,413	86:0
712	96	304	20:29:06.466	488CE6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,676,462	53:0
713	96	304	21:34:53.133	488CE6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,676,527	58:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM	MF I
714	96	304	21:42:08.466	488CE6C	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,676,534:74:0	
715	96	304	22:14:59.800	418JP6A	6BUFHI		10	MUB Buffer high water	4O0	4	0	3,676,567:28:0	
716	96	304	23:19:23.800	176TB6A	6TMREC	**PPB**		**PAUSE PLAYBACK (PB CONTROL) Record Mode C**	4O0	4	0	3,676,631:00:0	
717	96	304	23:23:26.466	176KQ6A	6TMREC	ORT		OPNAV - REAL TIME Record Mode Change	4O0	4	0	3,676,635:00:0	
718	96	304	23:28:28.466	165QY4A	7TMOT	DIS,TMC		Disable IVP - Target Motion	4O0	4	0	3,676,639:89:0	
719	96	304	23:28:29.133	165QY4B	7SCAN	NORM,217.382,-16		Check S/P Position	4O0	4	0	3,676,639:90:0	
720	96	304	23:57:49.133	488CE6D	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,676,669:00:0	
721	96	305	00:03:51.800	165QZ4A	7TMOT	DIS,TMC		Disable IVP - Target Motion	4O0	4	0	3,676,674:89:0	
722	96	305	00:03:52.466	165QZ4B	7SCAN	NORM,217.338999,		Check S/P Position	4O0	4	0	3,676,674:90:0	
723	96	305	00:45:19.066	165BK4A	7TMOT	DIS,TMC		Disable IVP - Target Motion	4O0	4	0	3,676,715:89:0	
724	96	305	00:45:19.733	165BK4B	7SCAN	NORM,198.094999,		Check S/P Position	4O0	4	0	3,676,715:90:0	
725	96	305	00:47:23.733	20UF4A	**7CONE**	**17.45,98.744**		Check S/P Position	4O0	4	0	3,676,718:03:0	
726	96	305	00:47:59.733	20UF4B	7STAT	17.45,267.766,64		Stator inertial point	4O0	4	0	3,676,718:57:0	
727	96	305	00:50:23.733	176BN6A	6TMREC	**RPB**		**RESUME PLAYBACK (PB CONTROL) Record Mode**	4O0	4	0	3,676,721:00:0	
728	96	305	01:29:33.733	488CE6E	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	3,676,759:67:0	
729	96	305	04:30:13.733	488CF6A	6TMSED	FILL,AL5		Sci, Eng, and D/L Chan	4O0	4	0	3,676,938:38:0	
730	96	305	04:36:53.066	176VZ6A	6TMREC	**TPB**		**TERMINATE PLAYBACK (PB CONTROL) Record Mo**	4O0	4	0	3,676,945:00:0	
731	96	305	04:39:59.733	41W99A	**POWER**	**PWR MODE change**		Change to Data Taking Mode	4O0	4	0	3,676,948:07:0	
732	**96**	**305**	**04:40:03.733**	**41W3K**	**37F2PR**		**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,676,948:13:0**	
733	**96**	**305**	**04:40:13.733**	**41W3L**	**37F2PR**		**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,676,948:28:0**	
734	**96**	**305**	**04:40:23.733**	**41W3A**	**40T1PR**		**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,676,948:43:0**	
735	**96**	**305**	**04:40:33.733**	**41W3B**	**40T1PR**		**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,676,948:58:0**	
736	**96**	**305**	**04:40:43.733**	**41W3C**	**40T2R**		**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,676,948:73:0**	
737	**96**	**305**	**04:40:53.733**	**41W3D**	**40T2R**		**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,676,948:88:0**	
738	96	305	04:48:25.733	488CF6B	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	4O0	4	0	3,676,956:38:0	
739	96	305	05:02:09.733	465WA6A	6DMST		5000	DMS Slew to TIC	4O0	4	0	3,676,970:00:0	
740	96	305	05:02:09.733		DMS:	: *SLEW-TIC		P7, TRACK *2, *REV, TIC 5526.00 +/-	4O0	4	0	3,676,970:00:0	
741	96	305	09:10:52.400	165BL4A	7TMOT	DIS,TMC		Disable IVP - Target Motion	4O0	4	0	3,677,215:89:0	
742	96	305	09:10:53.066	165BL4B	7SCAN	NORM,199.811998,		Check S/P Position	4O0	4	0	3,677,215:90:0	
743	96	305	09:38:05.733	488CF6C	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,677,242:82:0	
744	96	305	10:55:51.066	465WB6A	6DMSC	P100,2		DMS Control Tape P/B 100.8kbps	4O0	4	0	3,677,319:73:0	
745	96	305	11:20:33.733	488CG6A	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,677,344:22:0	
746	96	305	11:21:43.066	465WB6B	6DMSC	RDY,2		DMS Control Tape stop	4O0	4	0	3,677,345:35:0	
747	96	305	11:22:37.066	488CG6B	6TMSED	FILL,AL1		Sci, Eng, and D/L Chan	4O0	4	0	3,677,346:25:0	
748	96	305	11:58:53.066	488CG6C	6TMSED	FILL,AL2		Sci, Eng, and D/L Chan	4O0	4	0	3,677,382:13:0	
749	96	305	12:19:51.066	488CG6D	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	4O0	4	0	3,677,402:80:0	
750	96	305	12:54:21.066	488CG6E	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,677,437:00:0	
751	96	305	13:19:59.733	488CH6A	6TMSED	NORM,AH3		Sci, Eng, and D/L Chan	4O0	4	0	3,677,462:33:0	
752	96	305	13:40:45.066	465WC6A	6DTRN	CMD,6DTRN,465WC6		DMS TRACK TURNAROUND	4O0	4	0	3,677,482:81:0	
753	96	305	13:50:46.400	465WD6A	6DMSC	P100,1		DMS Control Tape P/B 100.8kbps	4O0	4	0	3,677,492:73:0	
754	96	305	14:22:42.400	465WD6B	6DMSC	RDY,1		DMS Control Tape stop	4O0	4	0	3,677,524:35:0	
755	96	305	14:38:17.733	465WE6A	6DMSC	P100,2		DMS Control Tape P/B 100.8kbps	4O0	4	0	3,677,539:73:0	
756	96	305	14:49:33.066	488CH6B	6TMSED	NORM,AH4		Sci, Eng, and D/L Chan	4O0	4	0	3,677,550:85:0	
757	96	305	15:10:28.400	465WF6A	6DMSC	P100,3		DMS Control Tape P/B 100.8kbps	4O0	4	0	3,677,571:57:0	
758	96	305	15:42:31.733	465WF6B	6DMSC	RDY,3		DMS Control Tape stop	4O0	4	0	3,677,603:30:0	
759	96	305	15:57:09.733	465WG6A	6DMSC	P100,4		DMS Control Tape P/B 100.8kbps	4O0	4	0	3,677,617:73:0	
760	96	305	16:29:19.733	465WH6A	6DMSC	P100,3		DMS Control Tape P/B 100.8kbps	4O0	4	0	3,677,649:56:0	
761	96	305	16:30:27.066	465WH6B	6DMSC	RDY,3		DMS Control Tape stop	4O0	4	0	3,677,650:66:0	
762	96	305	16:38:21.066	488CH6C	6TMSED	NORM,AH3		Sci, Eng, and D/L Chan	4O0	4	0	3,677,658:49:0	
763	96	305	16:44:53.066	465WI6A	6DMSC	RDY,2		DMS Control Tape stop	4O0	4	0	3,677,665:00:0	
764	96	305	16:45:47.066	465WJ6A	6DTRN	CMD,6DTRN,465WJ6		DMS TRACK TURNAROUND	4O0	4	0	3,677,665:81:0	
765	96	305	16:59:59.733	488CH6D	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,677,679:86:0	
766	96	305	17:21:15.733	165BM4A	7TMOT	DIS,TMC		Disable IVP - Target Motion	4O0	4	0	3,677,700:89:0	
767	96	305	17:21:16.400	165BM4B	7SCAN	NORM,190.389,-5.		Check S/P Position	4O0	4	0	3,677,700:90:0	
768	96	305	18:28:45.733	488CH6E	6TMSED	FILL,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,677,767:67:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM	MF I
769	96	305	20:25:48.400	488CI6A	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,677,883:45:0	
770	96	305	20:50:26.400	488CI6B	6TMSED	FILL,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,677,907:78:0	
771	96	305	21:27:14.400	488CI6C	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,677,944:23:0	
772	96	305	21:59:19.733	432JK431A6A	6RCDSL	DDSNCG,PLSDSL,EP		Record Deselect (DDS o	4O0	4	0	3,677,975:90:0	
773	96	305	21:59:20.400	432JK6A	6RTSL1			R/T Select of DDS and	4O0	4	0	3,677,976:00:0	
774	96	306	02:12:13.066	488CI6D	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,678,226:09:0	
775	96	306	04:22:33.066	488CJ6A	6TMSED	FILL,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,678,355:00:0	
776	96	306	04:52:31.733	488CJ6B	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,678,384:59:0	
777	96	306	09:01:49.666	488CJ6C	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,678,631:19:0	
778	96	306	10:52:45.666	488CK6A	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	4O0	4	0	3,678,740:84:0	
779	96	306	11:17:26.333	488CK6B	6TMSED	FILL,AL2		Sci, Eng, and D/L Chan	4O0	4	0	3,678,765:30:0	
780	96	306	12:19:45.000	488CK6C	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	4O0	4	0	3,678,826:87:0	
781	96	306	12:54:21.666	488CK6D	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,678,861:17:0	
782	96	306	13:00:31.666	488CK6E	6TMSED	FILL,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,678,867:26:0	
783	96	306	13:20:00.333	41VB99A	**POWER**	**PWR MODE change**		Change to Maneuver Mode	4O0	4	0	3,678,886:50:0	
784	**96**	**306**	**13:20:04.333**	**41VB3K**	**37F2PR**		**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,678,886:56:0**	
785	**96**	**306**	**13:20:14.333**	**41VB3L**	**37F2PR**		**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,678,886:71:0**	
786	**96**	**306**	**13:22:24.333**	**41VB3G**	**40T1P**		**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,678,888:84:0**	
787	**96**	**306**	**13:22:34.333**	**41VB3H**	**40T1P**		**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,678,889:08:0**	
788	**96**	**306**	**13:22:44.333**	**41VB3I**	**40T2**		**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,678,889:23:0**	
789	**96**	**306**	**13:22:54.333**	**41VB3J**	**40T2**		**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,678,889:38:0**	
790	96	306	13:23:00.333	488CL6A	6TMSED	FILL,AH3		Sci, Eng, and D/L Chan	4O0	4	0	3,678,889:47:0	
791	96	306	13:34:39.666	488CL6B	6TMSED	NORM,AH3		Sci, Eng, and D/L Chan	4O0	4	0	3,678,901:04:0	
792	96	306	15:10:53.666	488CL6C	6TMSED	NORM,AH4		Sci, Eng, and D/L Chan	4O0	4	0	3,678,996:20:0	
793	96	306	16:17:01.000	488CL6D	6TMSED	NORM,AH3		Sci, Eng, and D/L Chan	4O0	4	0	3,679,061:56:0	
794	96	306	18:30:00.333	41WB99A	**POWER**	**PWR MODE change**		Change to Data Taking Mode	4O0	4	0	3,679,193:13:0	
795	96	306	18:30:00.333	488CL6E	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,679,193:13:0	
796	**96**	**306**	**18:30:04.333**	**41WB3K**	**37F2PR**		**1**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,679,193:19:0**	
797	**96**	**306**	**18:30:14.333**	**41WB3L**	**37F2PR**		**2**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,679,193:34:0**	
798	**96**	**306**	**18:30:24.333**	**41WB3A**	**40T1PR**		**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,679,193:49:0**	
799	**96**	**306**	**18:30:34.333**	**41WB3B**	**40T1PR**		**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,679,193:64:0**	
800	**96**	**306**	**18:30:44.333**	**41WB3C**	**40T2R**		**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,679,193:79:0**	
801	**96**	**306**	**18:30:54.333**	**41WB3D**	**40T2R**		**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,679,194:03:0**	
802	96	306	18:33:33.000	488CM6A	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	4O0	4	0	3,679,196:59:0	
803	96	306	18:45:00.333	165BN4A	7TMOT	DIS,TMC		Disable IVP - Target Motion	4O0	4	0	3,679,207:89:0	
804	96	306	18:45:01.000	165BN4B	7SCAN	NORM,190.389,-5.		Check S/P Position	4O0	4	0	3,679,207:90:0	
805	96	306	19:39:41.000	488CM6B	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,679,262:05:0	
806	96	306	20:30:53.000	488CM6C	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,679,312:63:0	
807	96	306	21:53:04.333	431BA6A	6RCDSL	DDSNCG,PLSNCG,EP		Record Deselect (DDS o	4O0	4	0	3,679,393:89:0	
808	96	306	21:56:17.000	20BB6A	6HICON				4O0	4	0	3,679,397:14:0	
809	96	306	21:57:08.333	431BB6A	6RCSEL	DDSNCG,PLSNCG,EP		Record Select (DDS onl	4O0	4	0	3,679,398:00:0	
810	96	306	22:52:43.666	165BO4A	7TMOT	DIS,TMC		Disable IVP - Target Motion	4O0	4	0	3,679,452:89:0	
811	96	306	22:52:44.333	165BO4B	7SCAN	NORM,194.695,-8.		Check S/P Position	4O0	4	0	3,679,452:90:0	
812	96	306	23:05:00.333	432OC6A	6RTSL1			R/T Select of DDS and	4O0	4	0	3,679,465:11:0	
813	96	306	23:17:17.000	488CM6D	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,679,477:24:0	
814	96	307	00:40:33.666	488CN6A	6TMSED	FILL,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,679,559:57:0	
815	96	307	01:17:21.666	488CN6B	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,679,596:02:0	
816	96	307	01:44:37.666	432JH431A6A	6RCDSL	DDSNCG,PLSDSL,EP		Record Deselect (DDS o	4O0	4	0	3,679,622:90:0	
817	96	307	01:44:38.333	432JH6A	6RTSL1			R/T Select of DDS and	4O0	4	0	3,679,623:00:0	
818	96	307	02:05:49.000	488CN6C	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	4O0	4	0	3,679,643:86:0	
819	96	307	08:03:47.000	165BP4A	7TMOT	DIS,TMC		Disable IVP - Target Motion	4O0	4	0	3,679,997:89:0	
820	96	307	08:03:47.666	165BP4B	7SCAN	NORM,196.369999,		Check S/P Position	4O0	4	0	3,679,997:90:0	
821	96	307	08:14:55.666	465VA6A	6DMST		2240	DMS Slew to TIC	4O0	4	0	3,680,009:00:0	
822	96	307	08:42:37.000	488CO6A	6TMSED	NORM,AL3		Sci, Eng, and D/L Chan	4O0	4	0	3,680,036:35:0	
823	96	307	10:48:29.000	488CO6B	6TMSED	NORM,AL2		Sci, Eng, and D/L Chan	4O0	4	0	3,680,160:79:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	96	307	11:23:36.333	488CO6C	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	4O0	4	0	3,680,195:55:0	
825	96	307	11:37:33.000	488CO6D	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	4O0	4	0	3,680,209:36:0	
826	96	307	14:19:41.600	488CO6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,680,369:69:0	
827	96	307	14:26:24.266	488CP6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	3,680,376:36:0	
828	96	307	15:14:32.266	465VB6A	6DMSC	RDY,1	DMS Control Tape stop	4O0	4	0	3,680,424:00:0	
829	**96**	**307**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,680,468:87:6**	
830	**96**	**307**	**16:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,680,468:87:6**	
831	**96**	**307**	**16:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,680,468:87:6**	
832	**96**	**307**	**16:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**3,680,468:87:6**	
833	**96**	**307**	**16:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,680,468:87:6**	
834	**96**	**307**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,680,468:87:6**	
835	**96**	**307**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**3,680,468:87:6**	
836	**96**	**307**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,680,468:87:6**	
837	**96**	**307**	**16:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**3,680,468:87:6**	
838	96	307	16:00:00.266		DMS:	: RUNNING	P7, TRACK 2, REV, TIC 162.17 +/- 1	4O0	4	0	3,680,468:88:0	

G2NNRECOVY01

```
OAPEL:  G2NNRECOVY01            ALIAS:  G2NNRECOVY01
EXT:    R                       PSID:   DC
SCLK1:  03595093:00:0           SCLK2:  03595093:12:0
SCET1:  1996-247/17:15:28.133   SCET2:  1996-247/17:15:36.133
TARGET: CAL                     PARTITION: 1

MODE:      3                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 0 124          PTAB_B:    1 1 0 0 124
ECAL:      0                    OPCAL:     0
R/T:       1                    RECORD:    0

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 0
EST_COMP:  0.0                  EST_COMPV: 0.0
RATE_CON1: 00000                RATE_CON2: 00000
NWAVETOT:  003                  TLMFMT:    RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:    0302003000          03  02  003  000
WTGRP_SIZ:  2
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	08044	0,1000,0000,0100,0100
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2NNOPCAL_01

OAPEL: G2NNOPCAL_01 ALIAS: G2NNOPCAL_01
EXT: R PSID: DA
SCLK1: 03596253:00:0 SCLK2: 03596253:12:0
SCET1: 1996-248/12:48:21.400 SCET2: 1996-248/12:48:29.400
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 1
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 048 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0302048000 03 02 048 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	18000	1,1000,0000,0000,0000
1	18000	1,1000,0000,0000,0000
2	18000	1,1000,0000,0000,0000
3	18000	1,1000,0000,0000,0000
4	18000	1,1000,0000,0000,0000
5	18000	1,1000,0000,0000,0000
6	18000	1,1000,0000,0000,0000
7	18000	1,1000,0000,0000,0000
8	18000	1,1000,0000,0000,0000
9	18000	1,1000,0000,0000,0000
10	18000	1,1000,0000,0000,0000
11	18000	1,1000,0000,0000,0000
12	18000	1,1000,0000,0000,0000
13	18000	1,1000,0000,0000,0000
14	18000	1,1000,0000,0000,0000
15	18000	1,1000,0000,0000,0000
16	18000	1,1000,0000,0000,0000
17	18000	1,1000,0000,0000,0000
18	18000	1,1000,0000,0000,0000
19	18000	1,1000,0000,0000,0000
20	18000	1,1000,0000,0000,0000
21	18000	1,1000,0000,0000,0000
22	18000	1,1000,0000,0000,0000
23	18000	1,1000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2JNGLOMOS01

OAPEL: G2JNGLOMOS01 ALIAS: G2JNGLOMOS01
EXT: A PSID: DB
SCLK1: 03596986:47:0 SCLK2: 03596996:21:0
SCET1: 96-249/01:10:02.053 SCET2: 96-249/01:19:51.385
TARGET: JUPITER PARTITION: 1

MODE: 7 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 5 012 PTAB_B: 1 1 0 5 012
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 5 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0713005001 07 13 005 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	01581	0,0001,0101,1000,0001
1	01581	0,0001,0101,1000,0001
2	01581	0,0001,0101,1000,0001
3	01581	0,0001,0101,1000,0001
4	01581	0,0001,0101,1000,0001
5	01581	0,0001,0101,1000,0001
6	01581	0,0001,0101,1000,0001
7	01581	0,0001,0101,1000,0001
8	01581	0,0001,0101,1000,0001
9	01581	0,0001,0101,1000,0001
10	01581	0,0001,0101,1000,0001
11	01581	0,0001,0101,1000,0001
12	00000	0,0000,0000,0000,0000

G2JNGLOMOS02

OAPEL: G2JNGLOMOS02 ALIAS: G2JNGLOMOS02
EXT: A PSID: DC
SCLK1: 03597085:38:0 SCLK2: 03597095:12:0
SCET1: 96-249/02:50:02.049 SCET2: 96-249/02:59:51.383
TARGET: JUPITER PARTITION: 1

MODE: 7 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 5 012 PTAB_B: 1 1 0 5 012
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 5 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0713005001 07 13 005 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	01581	0,0001,0101,1000,0001
1	01581	0,0001,0101,1000,0001
2	01581	0,0001,0101,1000,0001
3	01581	0,0001,0101,1000,0001
4	01581	0,0001,0101,1000,0001
5	01581	0,0001,0101,1000,0001
6	01581	0,0001,0101,1000,0001
7	01581	0,0001,0101,1000,0001
8	01581	0,0001,0101,1000,0001
9	01581	0,0001,0101,1000,0001
10	01581	0,0001,0101,1000,0001
11	01581	0,0001,0101,1000,0001
12	00000	0,0000,0000,0000,0000

G2JNGLOMOS03

OAPEL: G2JNGLOMOS03 ALIAS: G2JNGLOMOS03
EXT: A PSID: DD
SCLK1: 03597184:29:0 SCLK2: 03597194:04:0
SCET1: 96-249/04:30:02.045 SCET2: 96-249/04:39:52.045
TARGET: JUPITER PARTITION: 1

MODE: 7 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 5 012 PTAB_B: 1 1 0 5 012
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 5 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0713005001 07 13 005 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	01581	0,0001,0101,1000,0001
1	01581	0,0001,0101,1000,0001
2	01581	0,0001,0101,1000,0001
3	01581	0,0001,0101,1000,0001
4	01581	0,0001,0101,1000,0001
5	01581	0,0001,0101,1000,0001
6	01581	0,0001,0101,1000,0001
7	01581	0,0001,0101,1000,0001
8	01581	0,0001,0101,1000,0001
9	01581	0,0001,0101,1000,0001
10	01581	0,0001,0101,1000,0001
11	01581	0,0001,0101,1000,0001
12	00000	0,0000,0000,0000,0000

G2JNGLOMOS04

OAPEL: G2JNGLOMOS04 ALIAS: G2JNGLOMOS04
EXT: A PSID: DE
SCLK1: 03597281:20:0 SCLK2: 03597290:86:0
SCET1: 96-249/06:08:00.709 SCET2: 96-249/06:17:50.708
TARGET: JUPITER PARTITION: 1

MODE: 7 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 5 012 PTAB_B: 1 1 0 5 012
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 5 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0713005001 07 13 005 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	01581	0,0001,0101,1000,0001
1	01581	0,0001,0101,1000,0001
2	01581	0,0001,0101,1000,0001
3	01581	0,0001,0101,1000,0001
4	01581	0,0001,0101,1000,0001
5	01581	0,0001,0101,1000,0001
6	01581	0,0001,0101,1000,0001
7	01581	0,0001,0101,1000,0001
8	01581	0,0001,0101,1000,0001
9	01581	0,0001,0101,1000,0001
10	01581	0,0001,0101,1000,0001
11	01581	0,0001,0101,1000,0001
12	00000	0,0000,0000,0000,0000

G2JNGLOMOS05

```
OAPEL:  G2JNGLOMOS05              ALIAS:  G2JNGLOMOS05
EXT:    A                         PSID:   DF
SCLK1:  03597382:11:0             SCLK2:  03597391:77:0
SCET1:    96-249/07:50:02.038     SCET2:    96-249/07:59:52.038
TARGET: JUPITER                   PARTITION: 1

MODE:      7                      GAIN:      2
CHOP:      1                      GRAT_OFF:  4
PTAB_A:    1 1 0 5 012            PTAB_B:    1 1 0 5 012
ECAL:      0                      OPCAL:     0
R/T:       0                      RECORD:    1

MB_DOWN:   00000                  MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                    EST_COMPV: 0.3
RATE_CON1: 00000                  RATE_CON2: 65525
NWAVETOT:    5                    TLMFMT:    LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:    0713005001          07  13  005  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	01581	0,0001,0101,1000,0001
1	01581	0,0001,0101,1000,0001
2	01581	0,0001,0101,1000,0001
3	01581	0,0001,0101,1000,0001
4	01581	0,0001,0101,1000,0001
5	01581	0,0001,0101,1000,0001
6	01581	0,0001,0101,1000,0001
7	01581	0,0001,0101,1000,0001
8	01581	0,0001,0101,1000,0001
9	01581	0,0001,0101,1000,0001
10	01581	0,0001,0101,1000,0001
11	01581	0,0001,0101,1000,0001
12	00000	0,0000,0000,0000,0000

G2JNGLOMOS06

OAPEL: G2JNGLOMOS06 ALIAS: G2JNGLOMOS06
EXT: A PSID: DG
SCLK1: 03597481:05:0 SCLK2: 03597490:71:0
SCET1: 96-249/09:30:04.034 SCET2: 96-249/09:39:54.034
TARGET: JUPITER PARTITION: 1

MODE: 7 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 5 012 PTAB_B: 1 1 0 5 012
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 5 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0713005001 07 13 005 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	01581	0,0001,0101,1000,0001
1	01581	0,0001,0101,1000,0001
2	01581	0,0001,0101,1000,0001
3	01581	0,0001,0101,1000,0001
4	01581	0,0001,0101,1000,0001
5	01581	0,0001,0101,1000,0001
6	01581	0,0001,0101,1000,0001
7	01581	0,0001,0101,1000,0001
8	01581	0,0001,0101,1000,0001
9	01581	0,0001,0101,1000,0001
10	01581	0,0001,0101,1000,0001
11	01581	0,0001,0101,1000,0001
12	00000	0,0000,0000,0000,0000

G2HNDARK__02

OAPEL: G2HNDARK__02 ALIAS: G2HNDARK__02
EXT: A PSID: DH
SCLK1: 03597497:90:0 SCLK2: 03597498:90:0
SCET1: 96-249/09:47:11.368 SCET2: 96-249/09:48:12.034
TARGET: SKY PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 34 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326034001 03 26 034 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2NNRECOVY02

```
OAPEL:  G2NNRECOVY02              ALIAS:  G2NNRECOVY02
EXT:    R                         PSID:   EX
SCLK1:  03597928:00:0             SCLK2:  03597928:12:0
SCET1:  1996-249/17:01:58.000     SCET2:  1996-249/17:02:06.000
TARGET: CAL                       PARTITION: 1

MODE:      3                      GAIN:      2
CHOP:      1                      GRAT_OFF:  4
PTAB_A:    1 1 0 0 124            PTAB_B:    1 1 0 0 124
ECAL:      0                      OPCAL:     0
R/T:       1                      RECORD:    0

MB_DOWN:   00000                  MB_UP:     00000
COMP_FLAG: 0
EST_COMP:  0.0                    EST_COMPV: 0.0
RATE_CON1: 00000                  RATE_CON2: 00000
NWAVETOT:  003                    TLMFMT:    RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:    0302003000          03  02  003  000
WTGRP_SIZ:  2
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	08044	0,1000,0000,0100,0100
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2JNTHRMNS03

OAPEL: G2JNTHRMNS03 ALIAS: G2JNTHRMNS03
EXT: A PSID: DK
SCLK1: 03598778:55:0 SCLK2: 03598784:38:0
SCET1: 96-250/07:22:01.987 SCET2: 96-250/07:27:54.653
TARGET: JUPITER PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 80 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326080001 03 26 080 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00007	0,0000,0000,0000,0111
1	00007	0,0000,0000,0000,0111
2	00007	0,0000,0000,0000,0111
3	00007	0,0000,0000,0000,0111
4	00007	0,0000,0000,0000,0111
5	01107	0,0001,0001,0000,0111
6	00007	0,0000,0000,0000,0111
7	00007	0,0000,0000,0000,0111
8	00007	0,0000,0000,0000,0111
9	10007	1,0000,0000,0000,0111
10	00007	0,0000,0000,0000,0111
11	00007	0,0000,0000,0000,0111
12	00007	0,0000,0000,0000,0111
13	00807	0,0000,1000,0000,0111
14	00007	0,0000,0000,0000,0111
15	00007	0,0000,0000,0000,0111
16	00007	0,0000,0000,0000,0111
17	00007	0,0000,0000,0000,0111
18	00007	0,0000,0000,0000,0111
19	00007	0,0000,0000,0000,0111
20	0000F	0,0000,0000,0000,1111
21	0000F	0,0000,0000,0000,1111
22	0000F	0,0000,0000,0000,1111
23	0000F	0,0000,0000,0000,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2JNTHRMNS04

OAPEL: G2JNTHRMNS04 ALIAS: G2JNTHRMNS04
EXT: A PSID: DL
SCLK1: 03598944:69:0 SCLK2: 03598945:18:0
SCET1: 96-250/10:10:01.981 SCET2: 96-250/10:10:28.647
TARGET: JUPITER PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 80 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326080001 03 26 080 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00007	0,0000,0000,0000,0111
1	00007	0,0000,0000,0000,0111
2	00007	0,0000,0000,0000,0111
3	00007	0,0000,0000,0000,0111
4	00007	0,0000,0000,0000,0111
5	01107	0,0001,0001,0000,0111
6	00007	0,0000,0000,0000,0111
7	00007	0,0000,0000,0000,0111
8	00007	0,0000,0000,0000,0111
9	10007	1,0000,0000,0000,0111
10	00007	0,0000,0000,0000,0111
11	00007	0,0000,0000,0000,0111
12	00007	0,0000,0000,0000,0111
13	00807	0,0000,1000,0000,0111
14	00007	0,0000,0000,0000,0111
15	00007	0,0000,0000,0000,0111
16	00007	0,0000,0000,0000,0111
17	00007	0,0000,0000,0000,0111
18	00007	0,0000,0000,0000,0111
19	00007	0,0000,0000,0000,0111
20	0000F	0,0000,0000,0000,1111
21	0000F	0,0000,0000,0000,1111
22	0000F	0,0000,0000,0000,1111
23	0000F	0,0000,0000,0000,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2NNRECOVY03

```
OAPEL:  G2NNRECOVY03            ALIAS:  G2NNRECOVY03
EXT:    R                       PSID:   IZ
SCLK1:  03599035:00:0           SCLK2:  03599035:12:0
SCET1:  1996-250/11:41:16.000   SCET2:  1996-250/11:41:24.000
TARGET: CAL                     PARTITION: 1

MODE:      3                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 0 124          PTAB_B:    1 1 0 0 124
ECAL:      0                    OPCAL:     0
R/T:       1                    RECORD:    0

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 0
EST_COMP:  0.0                  EST_COMPV: 0.0
RATE_CON1: 00000                RATE_CON2: 00000
NWAVETOT:  003                  TLMFMT:    RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:    0302003000          03  02  003  000
WTGRP_SIZ:  2
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	08044	0,1000,0000,0100,0100
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2GNSIPPAR01

```
OAPEL:  G2GNSIPPAR01              ALIAS:  G2GNSIPPAR01
EXT:    A                         PSID:   ES
SCLK1:  03599300:90:0             SCLK2:  03599302:85:0
SCET1:    96-250/16:10:13.301     SCET2:    96-250/16:12:11.300
TARGET: GANYMEDE                  PARTITION: 1

MODE:      3                      GAIN:      2
CHOP:      1                      GRAT_OFF:  4
PTAB_A:    1 1 0 0 124            PTAB_B:    1 1 0 0 124
ECAL:      0                      OPCAL:     0
R/T:       0                      RECORD:    1

MB_DOWN:   00000                  MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                    EST_COMPV: 0.3
RATE_CON1: 00000                  RATE_CON2: 65525
NWAVETOT:  204                    TLMFMT:    LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:    0326204001          03  26  204  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	1FFFF	1,1111,1111,1111,1111
2	00000	0,0000,0000,0000,0000
3	1FFFF	1,1111,1111,1111,1111
4	00000	0,0000,0000,0000,0000
5	1FFFF	1,1111,1111,1111,1111
6	00000	0,0000,0000,0000,0000
7	1FFFF	1,1111,1111,1111,1111
8	00000	0,0000,0000,0000,0000
9	1FFFF	1,1111,1111,1111,1111
10	00000	0,0000,0000,0000,0000
11	1FFFF	1,1111,1111,1111,1111
12	00000	0,0000,0000,0000,0000
13	1FFFF	1,1111,1111,1111,1111
14	00000	0,0000,0000,0000,0000
15	1FFFF	1,1111,1111,1111,1111
16	00000	0,0000,0000,0000,0000
17	1FFFF	1,1111,1111,1111,1111
18	00000	0,0000,0000,0000,0000
19	1FFFF	1,1111,1111,1111,1111
20	00000	0,0000,0000,0000,0000
21	1FFFF	1,1111,1111,1111,1111
22	00000	0,0000,0000,0000,0000
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2GNNRPOLE01

```
OAPEL:  G2GNNRPOLE01            ALIAS:  G2GNNRPOLE01
EXT:    A                       PSID:   DN
SCLK1:  03599383:41:0           SCLK2:  03599388:81:0
SCET1:    96-250/17:33:35.964   SCET2:    96-250/17:39:05.964
TARGET: GANYMEDE                PARTITION: 1

MODE:      1                    GAIN:      3
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 0 212          PTAB_B:    1 1 0 0 212
ECAL:      0                    OPCAL:     0
R/T:       0                    RECORD:    1

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  204                  TLMFMT:    MPW

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:    0113204001          01  13  204  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	00000	0,0000,0000,0000,0000

G2GNTAMMUZ01

OAPEL: G2GNTAMMUZ01 ALIAS: G2GNTAMMUZ01
EXT: A PSID: DM
SCLK1: 03599409:90:0 SCLK2: 03599418:89:0
SCET1: 96-250/18:00:25.963 SCET2: 96-250/18:09:31.296
TARGET: GANYMEDE PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 204 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326204001 03 26 204 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	1FFFF	1,1111,1111,1111,1111
2	00000	0,0000,0000,0000,0000
3	1FFFF	1,1111,1111,1111,1111
4	00000	0,0000,0000,0000,0000
5	1FFFF	1,1111,1111,1111,1111
6	00000	0,0000,0000,0000,0000
7	1FFFF	1,1111,1111,1111,1111
8	00000	0,0000,0000,0000,0000
9	1FFFF	1,1111,1111,1111,1111
10	00000	0,0000,0000,0000,0000
11	1FFFF	1,1111,1111,1111,1111
12	00000	0,0000,0000,0000,0000
13	1FFFF	1,1111,1111,1111,1111
14	00000	0,0000,0000,0000,0000
15	1FFFF	1,1111,1111,1111,1111
16	00000	0,0000,0000,0000,0000
17	1FFFF	1,1111,1111,1111,1111
18	00000	0,0000,0000,0000,0000
19	1FFFF	1,1111,1111,1111,1111
20	00000	0,0000,0000,0000,0000
21	1FFFF	1,1111,1111,1111,1111
22	00000	0,0000,0000,0000,0000
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2GNANTUM_01

```
OAPEL:  G2GNANTUM_01              ALIAS:  G2GNANTUM_01
EXT:    A                         PSID:   DO
SCLK1:  03599448:70:0             SCLK2:  03599453:44:0
SCET1:    96-250/18:39:38.629     SCET2:    96-250/18:44:24.629
TARGET: GANYMEDE                  PARTITION: 1

MODE:      1                      GAIN:      2
CHOP:      1                      GRAT_OFF:  4
PTAB_A:    1 1 0 0 212            PTAB_B:    1 1 0 0 212
ECAL:      0                      OPCAL:     0
R/T:       0                      RECORD:    1

MB_DOWN:   00000                  MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                    EST_COMPV: 0.3
RATE_CON1: 00000                  RATE_CON2: 65525
NWAVETOT:  204                    TLMFMT:    MPW

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:    0113204001          01  13  204  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	00000	0,0000,0000,0000,0000

G2GNLIMBSC01

```
OAPEL:  G2GNLIMBSC01            ALIAS:  G2GUBRTLMB02
EXT:    A                       PSID:   CM
SCLK1:  03599456:90:0           SCLK2:  03599459:89:0
SCET1:    96-250/18:47:57.295   SCET2:    96-250/18:50:58.629
TARGET: GANYMEDE                PARTITION: 1

MODE:      0                    GAIN:      7
CHOP:      4                    GRAT_OFF:  1
PTAB_A:   4010 0 010 1          PTAB_B:   2010 0 010 1
ECAL:      2                    OPCAL:     0
R/T:       0                    RECORD:    0

MB_DOWN:    0000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.0
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:    3                  TLMFMT:    MPW

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:    0713003001          07  13  003  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	07000	0,0111,0000,0000,0000
1	07000	0,0111,0000,0000,0000
2	07000	0,0111,0000,0000,0000
3	07000	0,0111,0000,0000,0000
4	07000	0,0111,0000,0000,0000
5	07000	0,0111,0000,0000,0000
6	07000	0,0111,0000,0000,0000
7	07000	0,0111,0000,0000,0000
8	07000	0,0111,0000,0000,0000
9	07000	0,0111,0000,0000,0000
10	07000	0,0111,0000,0000,0000
11	07000	0,0111,0000,0000,0000
12	07000	0,0111,0000,0000,0000

G2GNBRFRGR01

```
OAPEL:  G2GNBRFRGR01              ALIAS:  G2GNBRFRGR01
EXT:    A                         PSID:   DQ
SCLK1:  03599463:90:0             SCLK2:  03599466:58:0
SCET1:    96-250/18:55:01.961     SCET2:    96-250/18:57:42.628
TARGET: GANYMEDE                  PARTITION: 1

MODE:      1                      GAIN:      3
CHOP:      1                      GRAT_OFF:  4
PTAB_A:    1 1 0 0 212            PTAB_B:    1 1 0 0 212
ECAL:      0                      OPCAL:     0
R/T:       0                      RECORD:    1

MB_DOWN:   00000                  MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                    EST_COMPV: 0.3
RATE_CON1: 00000                  RATE_CON2: 65525
NWAVETOT:  204                    TLMFMT:    MPW

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:    0113204001          01  13  204  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	00000	0,0000,0000,0000,0000

G2INCHEMIS01

OAPEL: G2INCHEMIS01 ALIAS: G2INCHEMIS01
EXT: A PSID: DR
SCLK1: 03599697:00:0 SCLK2: 03599700:25:0
SCET1: 96-250/22:50:37.287 SCET2: 96-250/22:53:55.954
TARGET: IO PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 228 TLMFMT: MPW

THRESHOLD_SEL: 2
THRESHOLD_VALUES: 030, 030, 030, 000, 030, 029, 028, 028, 029
028, 032, 034, 031, 031, 032, 030, 029

WETGID: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00180	0,0000,0001,1000,0000
1	1FFFF	1,1111,1111,1111,1111
2	00180	0,0000,0001,1000,0000
3	1FFFF	1,1111,1111,1111,1111
4	00180	0,0000,0001,1000,0000
5	1FFFF	1,1111,1111,1111,1111
6	00180	0,0000,0001,1000,0000
7	1FFFF	1,1111,1111,1111,1111
8	00180	0,0000,0001,1000,0000
9	1FFFF	1,1111,1111,1111,1111
10	00180	0,0000,0001,1000,0000
11	1FFFF	1,1111,1111,1111,1111
12	00180	0,0000,0001,1000,0000
13	1FFFF	1,1111,1111,1111,1111
14	00180	0,0000,0001,1000,0000
15	1FFFF	1,1111,1111,1111,1111
16	00180	0,0000,0001,1000,0000
17	1FFFF	1,1111,1111,1111,1111
18	00180	0,0000,0001,1000,0000
19	1FFFF	1,1111,1111,1111,1111
20	00180	0,0000,0001,1000,0000
21	1FFFF	1,1111,1111,1111,1111
22	00180	0,0000,0001,1000,0000
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2INCHEMIS02

OAPEL: G2INCHEMIS02 ALIAS: G2INCHEMIS02
EXT: A PSID: DT
SCLK1: 03599871:43:0 SCLK2: 03599875:43:0
SCET1: 96-251/01:47:01.947 SCET2: 96-251/01:51:04.613
TARGET: IO PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 228 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00180	0,0000,0001,1000,0000
1	1FFFF	1,1111,1111,1111,1111
2	00180	0,0000,0001,1000,0000
3	1FFFF	1,1111,1111,1111,1111
4	00180	0,0000,0001,1000,0000
5	1FFFF	1,1111,1111,1111,1111
6	00180	0,0000,0001,1000,0000
7	1FFFF	1,1111,1111,1111,1111
8	00180	0,0000,0001,1000,0000
9	1FFFF	1,1111,1111,1111,1111
10	00180	0,0000,0001,1000,0000
11	1FFFF	1,1111,1111,1111,1111
12	00180	0,0000,0001,1000,0000
13	1FFFF	1,1111,1111,1111,1111
14	00180	0,0000,0001,1000,0000
15	1FFFF	1,1111,1111,1111,1111
16	00180	0,0000,0001,1000,0000
17	1FFFF	1,1111,1111,1111,1111
18	00180	0,0000,0001,1000,0000
19	1FFFF	1,1111,1111,1111,1111
20	00180	0,0000,0001,1000,0000
21	1FFFF	1,1111,1111,1111,1111
22	00180	0,0000,0001,1000,0000
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2HNDARK__03

OAPEL: G2HNDARK__03 ALIAS: G2HNDARK__03
EXT: A PSID: DS
SCLK1: 03599939:00:0 SCLK2: 03599940:00:0
SCET1: 96-251/02:55:18.611 SCET2: 96-251/02:56:19.278
TARGET: SKY PARTITION: 1

MODE: 3 GAIN: 3
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 34 TLMFMT: MPW

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326034001 03 26 034 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2INHRSPEC01

```
OAPEL:  G2INHRSPEC01            ALIAS:  G2INHRSPEC01
EXT:    A                       PSID:   DV
SCLK1:  03600086:12:0           SCLK2:  03600090:72:0
SCET1:    96-251/05:24:04.606   SCET2:    96-251/05:28:47.272
TARGET: IO                      PARTITION: 1

MODE:      3                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 0 124          PTAB_B:    1 1 0 0 124
ECAL:      0                    OPCAL:     0
R/T:       0                    RECORD:    1

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:  408                  TLMFMT:    MPW

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:    0326408001          03  26  408  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	1FFFF	1,1111,1111,1111,1111
13	1FFFF	1,1111,1111,1111,1111
14	1FFFF	1,1111,1111,1111,1111
15	1FFFF	1,1111,1111,1111,1111
16	1FFFF	1,1111,1111,1111,1111
17	1FFFF	1,1111,1111,1111,1111
18	1FFFF	1,1111,1111,1111,1111
19	1FFFF	1,1111,1111,1111,1111
20	1FFFF	1,1111,1111,1111,1111
21	1FFFF	1,1111,1111,1111,1111
22	1FFFF	1,1111,1111,1111,1111
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2INIOMON_01

OAPEL: G2INIOMON_01 ALIAS: G2INIOMON_01
EXT: R PSID: FA
SCLK1: 03600247:00:0 SCLK2: 03600247:12:0
SCET1: 1996-251/08:06:43.933 SCET2: 1996-251/08:06:51.933
TARGET: IO PARTITION: 1

MODE: 7 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 021 012 PTAB_B: 1 1 021 012
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11100 MB_UP: 00111
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 008 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0702008000 07 02 008 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	12A95	1,0010,1010,1001,0101
1	12A95	1,0010,1010,1001,0101
2	12A95	1,0010,1010,1001,0101
3	12A95	1,0010,1010,1001,0101
4	12A95	1,0010,1010,1001,0101
5	12A95	1,0010,1010,1001,0101
6	12A95	1,0010,1010,1001,0101
7	12A95	1,0010,1010,1001,0101
8	12A95	1,0010,1010,1001,0101
9	12A95	1,0010,1010,1001,0101
10	12A95	1,0010,1010,1001,0101
11	12A95	1,0010,1010,1001,0101
12	00000	0,0000,0000,0000,0000

G2JNTHRMNS07

OAPEL: G2JNTHRMNS07 ALIAS: G2JNTHRMNS07
EXT: A PSID: DW
SCLK1: 03600263:55:0 SCLK2: 03600291:53:0
SCET1: 96-251/08:23:31.932 SCET2: 96-251/08:51:49.265
TARGET: JUPITER PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 80 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326080001 03 26 080 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00007	0,0000,0000,0000,0111
1	00007	0,0000,0000,0000,0111
2	00007	0,0000,0000,0000,0111
3	00007	0,0000,0000,0000,0111
4	00007	0,0000,0000,0000,0111
5	01107	0,0001,0001,0000,0111
6	00007	0,0000,0000,0000,0111
7	00007	0,0000,0000,0000,0111
8	00007	0,0000,0000,0000,0111
9	10007	1,0000,0000,0000,0111
10	00007	0,0000,0000,0000,0111
11	00007	0,0000,0000,0000,0111
12	00007	0,0000,0000,0000,0111
13	00807	0,0000,1000,0000,0111
14	00007	0,0000,0000,0000,0111
15	00007	0,0000,0000,0000,0111
16	00007	0,0000,0000,0000,0111
17	00007	0,0000,0000,0000,0111
18	00007	0,0000,0000,0000,0111
19	00007	0,0000,0000,0000,0111
20	0000F	0,0000,0000,0000,1111
21	0000F	0,0000,0000,0000,1111
22	0000F	0,0000,0000,0000,1111
23	0000F	0,0000,0000,0000,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2ENLEADMP01

```
OAPEL:  G2ENLEADMP01              ALIAS:  G2ENLEADMP01
EXT:    A                         PSID:   EA
SCLK1:  03600785:06:0             SCLK2:  03600788:01:0
SCET1:    96-251/17:10:47.246     SCET2:    96-251/17:13:45.912
TARGET: EUROPA                    PARTITION: 1

MODE:      3                      GAIN:      3
CHOP:      1                      GRAT_OFF:  4
PTAB_A:    1 1 0 0 124            PTAB_B:    1 1 0 0 124
ECAL:      0                      OPCAL:     0
R/T:       0                      RECORD:    1

MB_DOWN:   00000                  MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                    EST_COMPV: 0.3
RATE_CON1: 00000                  RATE_CON2: 65525
NWAVETOT:  204                    TLMFMT:    LPU

THRESHOLD_SEL: 2
THRESHOLD_VALUES:  030, 030, 030, 000, 030, 029, 028, 028, 029
                   028, 032, 034, 031, 031, 032, 030, 029

WETGID:    0326204001          03  26  204  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	1FFFF	1,1111,1111,1111,1111
2	00000	0,0000,0000,0000,0000
3	1FFFF	1,1111,1111,1111,1111
4	00000	0,0000,0000,0000,0000
5	1FFFF	1,1111,1111,1111,1111
6	00000	0,0000,0000,0000,0000
7	1FFFF	1,1111,1111,1111,1111
8	00000	0,0000,0000,0000,0000
9	1FFFF	1,1111,1111,1111,1111
10	00000	0,0000,0000,0000,0000
11	1FFFF	1,1111,1111,1111,1111
12	00000	0,0000,0000,0000,0000
13	1FFFF	1,1111,1111,1111,1111
14	00000	0,0000,0000,0000,0000
15	1FFFF	1,1111,1111,1111,1111
16	00000	0,0000,0000,0000,0000
17	1FFFF	1,1111,1111,1111,1111
18	00000	0,0000,0000,0000,0000
19	1FFFF	1,1111,1111,1111,1111
20	00000	0,0000,0000,0000,0000
21	1FFFF	1,1111,1111,1111,1111
22	00000	0,0000,0000,0000,0000
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2HNDARK__04

OAPEL: G2HNDARK__04 ALIAS: G2HNDARK__04
EXT: A PSID: EB
SCLK1: 03600797:90:0 SCLK2: 03600798:90:0
SCET1: 96-251/17:23:51.246 SCET2: 96-251/17:24:51.912
TARGET: SKY PARTITION: 1

MODE: 3 GAIN: 3
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 34 TLMFMT: MPW

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326034001 03 26 034 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2ENEURORT01

OAPEL: G2ENEURORT01 ALIAS: G2ENEURORT01
EXT: R PSID: FC
SCLK1: 03600807:00:0 SCLK2: 03600808:12:0
SCET1: 1996-251/17:32:57.266 SCET2: 1996-251/17:34:05.933
TARGET: EUROPA PARTITION: 1

MODE: 3 GAIN: 3
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	1FFFF	1,1111,1111,1111,1111
13	1FFFF	1,1111,1111,1111,1111
14	1FFFF	1,1111,1111,1111,1111
15	1FFFF	1,1111,1111,1111,1111
16	1FFFF	1,1111,1111,1111,1111
17	1FFFF	1,1111,1111,1111,1111
18	1FFFF	1,1111,1111,1111,1111
19	1FFFF	1,1111,1111,1111,1111
20	1FFFF	1,1111,1111,1111,1111
21	1FFFF	1,1111,1111,1111,1111
22	1FFFF	1,1111,1111,1111,1111
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2INCHEMIS05

OAPEL: G2INCHEMIS05 ALIAS: G2INCHEMIS05
EXT: A PSID: EC
SCLK1: 03601035:51:0 SCLK2: 03601037:00:0
SCET1: 96-251/21:24:03.904 SCET2: 96-251/21:25:31.237
TARGET: IO PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 102 TLMFMT: MPW

THRESHOLD_SEL: 2
THRESHOLD_VALUES: 030, 030, 030, 000, 030, 029, 028, 028, 029
028, 032, 034, 031, 031, 032, 030, 029

WETGID: 0326102001 03 26 102 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	1FFFF	1,1111,1111,1111,1111
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	1FFFF	1,1111,1111,1111,1111
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	1FFFF	1,1111,1111,1111,1111
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	1FFFF	1,1111,1111,1111,1111
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	1FFFF	1,1111,1111,1111,1111
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	1FFFF	1,1111,1111,1111,1111
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2INTHRMAL01

```
OAPEL:  G2INTHRMAL01              ALIAS:  G2INTHRMAL01
EXT:    A                         PSID:   ED
SCLK1:  03601043:90:0             SCLK2:  03601044:74:0
SCET1:    96-251/21:32:35.237     SCET2:    96-251/21:33:25.237
TARGET: IO                        PARTITION: 1

MODE:      3                      GAIN:      4
CHOP:      1                      GRAT_OFF:  4
PTAB_A:    1 1 0 0 124            PTAB_B:    1 1 0 0 124
ECAL:      0                      OPCAL:     0
R/T:       0                      RECORD:    1

MB_DOWN:   00000                  MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                    EST_COMPV: 0.3
RATE_CON1: 00000                  RATE_CON2: 65525
NWAVETOT:   10                    TLMFMT:    LPU

THRESHOLD_SEL: 2
THRESHOLD_VALUES:  030, 030, 030, 000, 030, 029, 028, 028, 029
                   028, 032, 034, 031, 031, 032, 030, 029

WETGID:    0326010001          03  26  010  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	1D555	1,1101,0101,0101,0101
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2INVOLCAN01

OAPEL: G2INVOLCAN01 ALIAS: G2INVOLCAN01
EXT: A PSID: EE
SCLK1: 03601094:90:0 SCLK2: 03601095:44:0
SCET1: 96-251/22:24:09.235 SCET2: 96-251/22:24:39.235
TARGET: IO PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 10 TLMFMT: LPU

THRESHOLD_SEL: 2
THRESHOLD_VALUES: 030, 030, 030, 000, 030, 029, 028, 028, 029
028, 032, 034, 031, 031, 032, 030, 029

WETGID: 0326010001 03 26 010 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	1D555	1,1101,0101,0101,0101
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2INVOLCAN02

```
OAPEL:  G2INVOLCAN02            ALIAS:  G2INVOLCAN02
EXT:    A                       PSID:   EF
SCLK1:  03601154:90:0           SCLK2:  03601155:44:0
SCET1:    96-251/23:24:49.232   SCET2:    96-251/23:25:19.232
TARGET: IO                      PARTITION: 1

MODE:      3                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 0 124          PTAB_B:    1 1 0 0 124
ECAL:      0                    OPCAL:     0
R/T:       0                    RECORD:    1

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   10                  TLMFMT:    LPU

THRESHOLD_SEL: 2
THRESHOLD_VALUES:  030, 030, 030, 000, 030, 029, 028, 028, 029
                   028, 032, 034, 031, 031, 032, 030, 029

WETGID:    0326010001          03  26  010  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	1D555	1,1101,0101,0101,0101
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2INVOLCAN03

OAPEL: G2INVOLCAN03 ALIAS: G2INVOLCAN03
EXT: A PSID: EH
SCLK1: 03601228:90:0 SCLK2: 03601229:44:0
SCET1: 96-252/00:39:38.563 SCET2: 96-252/00:40:08.563
TARGET: IO PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 10 TLMFMT: LPU

THRESHOLD_SEL: 2
THRESHOLD_VALUES: 030, 030, 030, 000, 030, 029, 028, 028, 029
028, 032, 034, 031, 031, 032, 030, 029

WETGID: 0326010001 03 26 010 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	1D555	1,1101,0101,0101,0101
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2INVOLCAN04

```
OAPEL:  G2INVOLCAN04            ALIAS:  G2INVOLCAN04
EXT:    A                       PSID:   EI
SCLK1:  03601377:90:0           SCLK2:  03601378:44:0
SCET1:    96-252/03:10:17.891   SCET2:    96-252/03:10:47.891
TARGET: IO                      PARTITION: 1

MODE:      3                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 0 124          PTAB_B:    1 1 0 0 124
ECAL:      0                    OPCAL:     0
R/T:       0                    RECORD:    1

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   10                  TLMFMT:    LPU

THRESHOLD_SEL: 2
THRESHOLD_VALUES:  030, 030, 030, 000, 030, 029, 028, 028, 029
                   028, 032, 034, 031, 031, 032, 030, 029

WETGID:    0326010001          03  26  010  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	1D555	1,1101,0101,0101,0101
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2INVOLCAN05

OAPEL: G2INVOLCAN05 ALIAS: G2INVOLCAN05
EXT: A PSID: EJ
SCLK1: 03601505:00:0 SCLK2: 03601505:45:0
SCET1: 96-252/05:18:42.553 SCET2: 96-252/05:19:12.553
TARGET: IO PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 10 TLMFMT: LPU

THRESHOLD_SEL: 2
THRESHOLD_VALUES: 030, 030, 030, 000, 030, 029, 028, 028, 029
028, 032, 034, 031, 031, 032, 030, 029

WETGID: 0326010001 03 26 010 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	1D555	1,1101,0101,0101,0101
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2HNDARK__05

OAPEL: G2HNDARK__05 ALIAS: G2HNDARK__05
EXT: A PSID: EK
SCLK1: 03601512:00:0 SCLK2: 03601513:00:0
SCET1: 96-252/05:25:47.220 SCET2: 96-252/05:26:47.886
TARGET: SKY PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 34 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326034001 03 26 034 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2NNPCTCAL01

OAPEL: G2NNPCTCAL01 ALIAS: G2NNPCTCAL01
EXT: B PSID: EP
SCLK1: 03602073:00:0 SCLK2: 03602076:02:0
SCET1: 96-252/14:53:01.198 SCET2: 96-252/14:56:05.198
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 180 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326180001 03 26 180 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FE00	1,1111,1110,0000,0000
1	1FE00	1,1111,1110,0000,0000
2	1FE00	1,1111,1110,0000,0000
3	1FE00	1,1111,1110,0000,0000
4	1FE00	1,1111,1110,0000,0000
5	1FE00	1,1111,1110,0000,0000
6	1FE00	1,1111,1110,0000,0000
7	1FE00	1,1111,1110,0000,0000
8	1FE00	1,1111,1110,0000,0000
9	1FE00	1,1111,1110,0000,0000
10	1FE00	1,1111,1110,0000,0000
11	1FE00	1,1111,1110,0000,0000
12	1FC00	1,1111,1100,0000,0000
13	1FC00	1,1111,1100,0000,0000
14	1FC00	1,1111,1100,0000,0000
15	1FC00	1,1111,1100,0000,0000
16	1FC00	1,1111,1100,0000,0000
17	1FC00	1,1111,1100,0000,0000
18	1FC00	1,1111,1100,0000,0000
19	1FC00	1,1111,1100,0000,0000
20	1FC00	1,1111,1100,0000,0000
21	1FC00	1,1111,1100,0000,0000
22	1FC00	1,1111,1100,0000,0000
23	1FC00	1,1111,1100,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2NNRECOVY04

```
OAPEL:  G2NNRECOVY04            ALIAS:  G2NNRECOVY04
EXT:    R                       PSID:   FX
SCLK1:  03602588:00:0           SCLK2:  03602588:12:0
SCET1:  1996-252/23:33:44.533   SCET2:  1996-252/23:33:52.533
TARGET: CAL                     PARTITION: 1

MODE:      3                    GAIN:      4
CHOP:      2                    GRAT_OFF:  4
PTAB_A:    1 1 0 0 124          PTAB_B:    1 1 0 0 124
ECAL:      0                    OPCAL:     0
R/T:       1                    RECORD:    0

MB_DOWN:   00000                MB_UP:     00000
COMP_FLAG: 0
EST_COMP:  0.0                  EST_COMPV: 0.0
RATE_CON1: 00000                RATE_CON2: 00000
NWAVETOT:  003                  TLMFMT:    RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:    0302003000          03  02  003  000
WTGRP_SIZ:  2
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	08044	0,1000,0000,0100,0100
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2CNGLOBAL01

OAPEL: G2CNGLOBAL01 ALIAS: G2CNGLOBAL01
EXT: A PSID: EL
SCLK1: 03603235:52:0 SCLK2: 03603245:68:0
SCET1: 96-253/10:28:30.490 SCET2: 96-253/10:38:47.823
TARGET: CALLISTO PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 408 TLMFMT: MPW

THRESHOLD_SEL: 2
THRESHOLD_VALUES: 030, 030, 030, 000, 030, 029, 028, 028, 029
028, 032, 034, 031, 031, 032, 030, 029

WETGID: 0326408001 03 26 408 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	1FFFF	1,1111,1111,1111,1111
13	1FFFF	1,1111,1111,1111,1111
14	1FFFF	1,1111,1111,1111,1111
15	1FFFF	1,1111,1111,1111,1111
16	1FFFF	1,1111,1111,1111,1111
17	1FFFF	1,1111,1111,1111,1111
18	1FFFF	1,1111,1111,1111,1111
19	1FFFF	1,1111,1111,1111,1111
20	1FFFF	1,1111,1111,1111,1111
21	1FFFF	1,1111,1111,1111,1111
22	1FFFF	1,1111,1111,1111,1111
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2HNDARK__06

OAPEL: G2HNDARK__06 ALIAS: G2HNDARK__06
EXT: A PSID: EM
SCLK1: 03603261:00:0 SCLK2: 03603262:00:0
SCET1: 96-253/10:54:13.155 SCET2: 96-253/10:55:13.822
TARGET: SKY PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 34 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326034001 03 26 034 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2CNCALLRT01

```
OAPEL:  G2CNCALLRT01              ALIAS:  G2CNCALLRT01
EXT:    R                         PSID:   ET
SCLK1:  03603270:00:0             SCLK2:  03603271:12:0
SCET1:  1996-253/11:03:19.133     SCET2:  1996-253/11:04:27.800
TARGET: CALLISTO                  PARTITION: 1

MODE:      3                      GAIN:      4
CHOP:      1                      GRAT_OFF:  4
PTAB_A:    1 1 0 0 124            PTAB_B:    1 1 0 0 124
ECAL:      0                      OPCAL:     0
R/T:       1                      RECORD:    0

MB_DOWN:   11011                  MB_UP:     11011
COMP_FLAG: 0
EST_COMP:  0.0                    EST_COMPV: 0.0
RATE_CON1: 00000                  RATE_CON2: 00000
NWAVETOT:  408                    TLMFMT:    RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:    0302408000          03  02  408  000
WTGRP_SIZ:  2
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	1FFFF	1,1111,1111,1111,1111
13	1FFFF	1,1111,1111,1111,1111
14	1FFFF	1,1111,1111,1111,1111
15	1FFFF	1,1111,1111,1111,1111
16	1FFFF	1,1111,1111,1111,1111
17	1FFFF	1,1111,1111,1111,1111
18	1FFFF	1,1111,1111,1111,1111
19	1FFFF	1,1111,1111,1111,1111
20	1FFFF	1,1111,1111,1111,1111
21	1FFFF	1,1111,1111,1111,1111
22	1FFFF	1,1111,1111,1111,1111
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2NNRCTRLT01

OAPEL: G2NNRCTRLT01 ALIAS: LSNNRCTRTA01
EXT: R PSID: XU
SCLK1: 03608132:00:0 SCLK2: 03608132:12:0
SCET1: 1996-256/20:59:20.333 SCET2: 1996-256/20:59:28.333
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 1
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 252 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	003FF	0,0000,0011,1111,1111
1	003FF	0,0000,0011,1111,1111
2	003FF	0,0000,0011,1111,1111
3	003FF	0,0000,0011,1111,1111
4	003FF	0,0000,0011,1111,1111
5	003FF	0,0000,0011,1111,1111
6	003FF	0,0000,0011,1111,1111
7	003FF	0,0000,0011,1111,1111
8	003FF	0,0000,0011,1111,1111
9	003FF	0,0000,0011,1111,1111
10	003FF	0,0000,0011,1111,1111
11	003FF	0,0000,0011,1111,1111
12	007FF	0,0000,0111,1111,1111
13	007FF	0,0000,0111,1111,1111
14	007FF	0,0000,0111,1111,1111
15	007FF	0,0000,0111,1111,1111
16	007FF	0,0000,0111,1111,1111
17	007FF	0,0000,0111,1111,1111
18	007FF	0,0000,0111,1111,1111
19	007FF	0,0000,0111,1111,1111
20	007FF	0,0000,0111,1111,1111
21	007FF	0,0000,0111,1111,1111
22	007FF	0,0000,0111,1111,1111
23	007FF	0,0000,0111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2NNRCTRLT01

OAPEL: G2NNRCTRLT01 ALIAS: LSNNRCTRTA01
EXT: S PSID: XU
SCLK1: 03608138:00:0 SCLK2: 03608139:12:0
SCET1: 1996-256/21:05:24.333 SCET2: 1996-256/21:06:33.000
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 1
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 252 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	003FF	0,0000,0011,1111,1111
1	003FF	0,0000,0011,1111,1111
2	003FF	0,0000,0011,1111,1111
3	003FF	0,0000,0011,1111,1111
4	003FF	0,0000,0011,1111,1111
5	003FF	0,0000,0011,1111,1111
6	003FF	0,0000,0011,1111,1111
7	003FF	0,0000,0011,1111,1111
8	003FF	0,0000,0011,1111,1111
9	003FF	0,0000,0011,1111,1111
10	003FF	0,0000,0011,1111,1111
11	003FF	0,0000,0011,1111,1111
12	007FF	0,0000,0111,1111,1111
13	007FF	0,0000,0111,1111,1111
14	007FF	0,0000,0111,1111,1111
15	007FF	0,0000,0111,1111,1111
16	007FF	0,0000,0111,1111,1111
17	007FF	0,0000,0111,1111,1111
18	007FF	0,0000,0111,1111,1111
19	007FF	0,0000,0111,1111,1111
20	007FF	0,0000,0111,1111,1111
21	007FF	0,0000,0111,1111,1111
22	007FF	0,0000,0111,1111,1111
23	007FF	0,0000,0111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2NNRCTRLT01

OAPEL: G2NNRCTRLT01 ALIAS: LSNNRCTRTA01
EXT: T PSID: XU
SCLK1: 03608144:00:0 SCLK2: 03608144:12:0
SCET1: 1996-256/21:11:28.333 SCET2: 1996-256/21:11:36.333
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 1
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 252 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	003FF	0,0000,0011,1111,1111
1	003FF	0,0000,0011,1111,1111
2	003FF	0,0000,0011,1111,1111
3	003FF	0,0000,0011,1111,1111
4	003FF	0,0000,0011,1111,1111
5	003FF	0,0000,0011,1111,1111
6	003FF	0,0000,0011,1111,1111
7	003FF	0,0000,0011,1111,1111
8	003FF	0,0000,0011,1111,1111
9	003FF	0,0000,0011,1111,1111
10	003FF	0,0000,0011,1111,1111
11	003FF	0,0000,0011,1111,1111
12	007FF	0,0000,0111,1111,1111
13	007FF	0,0000,0111,1111,1111
14	007FF	0,0000,0111,1111,1111
15	007FF	0,0000,0111,1111,1111
16	007FF	0,0000,0111,1111,1111
17	007FF	0,0000,0111,1111,1111
18	007FF	0,0000,0111,1111,1111
19	007FF	0,0000,0111,1111,1111
20	007FF	0,0000,0111,1111,1111
21	007FF	0,0000,0111,1111,1111
22	007FF	0,0000,0111,1111,1111
23	007FF	0,0000,0111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2NNRCTRLT02

OAPEL: G2NNRCTRLT02 ALIAS: LSNNRCTRTB01
EXT: R PSID: XI
SCLK1: 03652856:00:0 SCLK2: 03652856:12:0
SCET1: 1996-288/06:40:14.666 SCET2: 1996-288/06:40:22.666
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 1
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 252 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	003FF	0,0000,0011,1111,1111
1	003FF	0,0000,0011,1111,1111
2	003FF	0,0000,0011,1111,1111
3	003FF	0,0000,0011,1111,1111
4	003FF	0,0000,0011,1111,1111
5	003FF	0,0000,0011,1111,1111
6	003FF	0,0000,0011,1111,1111
7	003FF	0,0000,0011,1111,1111
8	003FF	0,0000,0011,1111,1111
9	003FF	0,0000,0011,1111,1111
10	003FF	0,0000,0011,1111,1111
11	003FF	0,0000,0011,1111,1111
12	007FF	0,0000,0111,1111,1111
13	007FF	0,0000,0111,1111,1111
14	007FF	0,0000,0111,1111,1111
15	007FF	0,0000,0111,1111,1111
16	007FF	0,0000,0111,1111,1111
17	007FF	0,0000,0111,1111,1111
18	007FF	0,0000,0111,1111,1111
19	007FF	0,0000,0111,1111,1111
20	007FF	0,0000,0111,1111,1111
21	007FF	0,0000,0111,1111,1111
22	007FF	0,0000,0111,1111,1111
23	007FF	0,0000,0111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2NNRCTRLT02

OAPEL: G2NNRCTRLT02 ALIAS: LSNNRCTRTB01
EXT: S PSID: XI
SCLK1: 03652862:00:0 SCLK2: 03652863:12:0
SCET1: 1996-288/06:46:18.666 SCET2: 1996-288/06:47:27.333
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 1
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 252 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	003FF	0,0000,0011,1111,1111
1	003FF	0,0000,0011,1111,1111
2	003FF	0,0000,0011,1111,1111
3	003FF	0,0000,0011,1111,1111
4	003FF	0,0000,0011,1111,1111
5	003FF	0,0000,0011,1111,1111
6	003FF	0,0000,0011,1111,1111
7	003FF	0,0000,0011,1111,1111
8	003FF	0,0000,0011,1111,1111
9	003FF	0,0000,0011,1111,1111
10	003FF	0,0000,0011,1111,1111
11	003FF	0,0000,0011,1111,1111
12	007FF	0,0000,0111,1111,1111
13	007FF	0,0000,0111,1111,1111
14	007FF	0,0000,0111,1111,1111
15	007FF	0,0000,0111,1111,1111
16	007FF	0,0000,0111,1111,1111
17	007FF	0,0000,0111,1111,1111
18	007FF	0,0000,0111,1111,1111
19	007FF	0,0000,0111,1111,1111
20	007FF	0,0000,0111,1111,1111
21	007FF	0,0000,0111,1111,1111
22	007FF	0,0000,0111,1111,1111
23	007FF	0,0000,0111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2NNRCTRLT02

OAPEL: G2NNRCTRLT02 ALIAS: LSNNRCTRTB01
EXT: T PSID: XI
SCLK1: 03652868:00:0 SCLK2: 03652868:12:0
SCET1: 1996-288/06:52:22.666 SCET2: 1996-288/06:52:30.666
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 1
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 252 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	003FF	0,0000,0011,1111,1111
1	003FF	0,0000,0011,1111,1111
2	003FF	0,0000,0011,1111,1111
3	003FF	0,0000,0011,1111,1111
4	003FF	0,0000,0011,1111,1111
5	003FF	0,0000,0011,1111,1111
6	003FF	0,0000,0011,1111,1111
7	003FF	0,0000,0011,1111,1111
8	003FF	0,0000,0011,1111,1111
9	003FF	0,0000,0011,1111,1111
10	003FF	0,0000,0011,1111,1111
11	003FF	0,0000,0011,1111,1111
12	007FF	0,0000,0111,1111,1111
13	007FF	0,0000,0111,1111,1111
14	007FF	0,0000,0111,1111,1111
15	007FF	0,0000,0111,1111,1111
16	007FF	0,0000,0111,1111,1111
17	007FF	0,0000,0111,1111,1111
18	007FF	0,0000,0111,1111,1111
19	007FF	0,0000,0111,1111,1111
20	007FF	0,0000,0111,1111,1111
21	007FF	0,0000,0111,1111,1111
22	007FF	0,0000,0111,1111,1111
23	007FF	0,0000,0111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G2NNOPCAL_02

```
OAPEL:  G2NNOPCAL_02            ALIAS:  G2NNOPCAL_02
EXT:    R                       PSID:   DA
SCLK1:  03670156:00:0           SCLK2:  03670158:12:0
SCET1:  1996-300/10:12:27.000   SCET2:  1996-300/10:14:36.333
TARGET: CAL                     PARTITION: 1

MODE:      3                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 0 124          PTAB_B:    1 1 0 0 124
ECAL:      0                    OPCAL:     1
R/T:       1                    RECORD:    0

MB_DOWN:   11011                MB_UP:     11011
COMP_FLAG: 0
EST_COMP:  0.0                  EST_COMPV: 0.0
RATE_CON1: 00000                RATE_CON2: 00000
NWAVETOT:  048                  TLMFMT:    RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:    0302048000          03  02  048  000
WTGRP_SIZ:  2
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	18000	1,1000,0000,0000,0000
1	18000	1,1000,0000,0000,0000
2	18000	1,1000,0000,0000,0000
3	18000	1,1000,0000,0000,0000
4	18000	1,1000,0000,0000,0000
5	18000	1,1000,0000,0000,0000
6	18000	1,1000,0000,0000,0000
7	18000	1,1000,0000,0000,0000
8	18000	1,1000,0000,0000,0000
9	18000	1,1000,0000,0000,0000
10	18000	1,1000,0000,0000,0000
11	18000	1,1000,0000,0000,0000
12	18000	1,1000,0000,0000,0000
13	18000	1,1000,0000,0000,0000
14	18000	1,1000,0000,0000,0000
15	18000	1,1000,0000,0000,0000
16	18000	1,1000,0000,0000,0000
17	18000	1,1000,0000,0000,0000
18	18000	1,1000,0000,0000,0000
19	18000	1,1000,0000,0000,0000
20	18000	1,1000,0000,0000,0000
21	18000	1,1000,0000,0000,0000
22	18000	1,1000,0000,0000,0000
23	18000	1,1000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

NIMS G2 OBSTAB

This is a time-ordered ASCII TABLE (listing) of GALILEO NIMS observation parameters for use by downlink data processing of the NIMS G2 data. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry. Included items come from NIMS commands in (1) the Standard Sequence Data File (SSDF) and (2) the Playback Table Update Process (PTUP), plus some items from (3) the NIMS/CDS software load.

Note that SCLK1, SCLK2, SCET1 and SCET2 of non-realtime observations reflect the amount of data actually played back, rather than the amount recorded on tape. Likewise, the wavelength edit table pointers of non-realtime observations point to the playback edit table masks, rather than the ones used during recording.

Some of these items are needed for MIPS realtime processing of NIMS data, others for NIMSMERGE generation of the EDR and still others by NIMS/ISIS and MIPS systematic processing of EDRs into cubes. Missing non-required items will not interfere with a processing step. For completeness, almost all uplinked parameters are included in the table. (Only those items which will almost certainly remain constant have been omitted; e.g. Rice decision tables.)

The source below is one of:
- SEF for the Standard Sequence Data File (SSDF), specifying parameters of one of the NIMS (37) commands
- PBK for the Playback Table Update Process (PTUP), specifying parameters of the NIMPBK SINGLE command
- S/W for the NIMS/CDS software load process
- NIMS for NIMS team systematic processing requests to MIPS

* indicates item absolutely required for UDR generation (decompression, wavelength edit processing)
\# indicates item useful for UDR generation (for checking)
unmarked items needed for cube generation or useful for general information
<tbd> indicates more details will be forthcoming

	name	nchar	columns	.description	.source
	OAPEL	12	1 - 12	.Oapel Name from SEF (no aliases yet)	SEF: activity ID, 1st 12 chars should be unique
	ALIAS	12	13 - 24	.NIMS alias name for OAPEL	NIMS:
	EXT	1	25 - 25	.Extension, for split OAPELs, A,B,C... for playback, R,S,T... for realtime. Required for realtime.	NIMS: if breaking activity into several cubes
	PSID	2	26 - 27	.Parameter Set IDentification	SEF: <tbd>
*	SCLK1	13	28 - 40	.Start time of played-back OBS in SCLK	PBK (except realtime data: SEF)
*	SCLK2	13	41 - 53	.Stop time of played-back OBS in SCLK	PBK (except realtime data: SEF)
*	PARTITION	1	54 - 54	.Partition for SCLK1 and SCLK2.	
	<spare>	9	55 - 63	.	
	TARGET	8	64 - 71	.Primary Target of OBS	SEF: translate from 3rd char in OAPEL (activity ID)

	MODE	2	72 - 73	.NIMS Instrument MODE (0-15)	SEF: 37IOP, data byte 2, bits 5-8
	GAIN	1	74 - 74	.Gain State (true value)	SEF: 37IST, data byte 3, bits 7-8 (if bit 6 = 1) 0=gs2, 1=gs4, 2=gs3, 3=gs1
	CHOP	1	75 - 75	.Chopper State (1=Ref,2=63Hz,3=FreeRun,4=Off)	SEF: 37IST, data byte 2, bits 7-8 (if bit 6 = 1) 0=63hz, 1=off, 2=ref, 3=freerun
	GRAT_OFF	1	76 - 76	.Grating Offset (0-7, default 4)	SEF: 37GOF, data byte 2, bits 5-8
	PTAB_A(6)	12	77 - 88	.First PTAB |repeat count,mirror op,autobias...	SEF: functions of MODE (from 37IOP) as modified by 37MPT, unless special sequence (modes 12-15) in which case values come from 37SS parameters <tbd>
	PTAB_B(6)	12	89 - 100	.Second PTAB |...grating start, grating delta... . |...number of grating positions)	
	ECAL	1	101 - 101	.Electronics Calibration Active (1=yes)	SEF: 37IST, data byte 3, bit 4 (1=on)
	OPCAL	1	102 - 102	.Optics Calibration active (1=yes)	SEF: 37IST, data byte 3, bit 5 (1=on)
#	REAL_TIME	1	103 - 103	.NIMS in Real-Time Telemetry (1=yes)	SEF: track RT_INST_SEL .and. 37RT
#	RECORD	1	104 - 104	.NIMS in Record Telemetry (1=yes)	SEF: track DMS status event: RECORD, REVERSE, RESUME, RUNDOWN <tbd>
*	THRESHSEL	1	105 - 105	.Threshold value select (>0 = yes)	PBK: THRESHLD_TBL > 0 (i.e. 1-3)
	<spare>	1	106 - 106	.	
#	RTISELDN	5	107 - 111	.RTI select, 5 binary bits (for mirror position blocking, down scan)	SEF: 37MB data byte 1, bits 4-8 <tbd>
#	RTISELUP	5	112 - 116	.RTI select, 5 binary bits (for mirror position blocking, up scan)	SEF: 37MB data byte 2, bits 4-8 <tbd>
	<spare>	1	117 - 117	.	
*	RICEFLAG	1	118 - 118	.Rice compression flag	PBK: 0 no compression 1 Rice compression, ref vals each mirror scan 3 Rice compression, ref vals each RIM rollover
	<spare>	1	119 - 119	.	
	ESTCOMP	3	120 - 122	.Rice estimated compression ratio (m.n)	PBK: CMPR_DVSR <tbd>
	ESTCOMPV	3	123 - 125	.Rice estimated error in compression ratio (m.n)	PBK: CMPR_UNC <tbd>
#	RATECON1	5	126 - 130	.Rate control lower limit	PBK: | S/W table entry indexed by LOSSY_COMP (1-7)
#	RATECON2	5	131 - 135	.Rate control upper limit	PBK: | or 0 if LOSSY_COMP = 0 (no rate control)
	<spare>	17	136 - 152		
	NWAVETOT	3	153 - 155	.Total number of wavelengths selected	Compute from relevant Wavelength Edit Table group
	TLMFMT	3	156 - 158	.Telemetry format (MPW et al, LPU or LNR)	SEF: 6TMREC command
	SCET1	21	159 - 179	.Start time of played-back OBS in UTC	PBK (except realtime data: SEF)
	SCET2	21	180 - 200	.Stop time of played-back OBS in UTC	PBK (except realtime data: SEF)
	<spares>	67	201 - 267	.Start time of played-back OBS in UTC	PBK (except realtime data: SEF)
*	THRESH	51	268 - 318	.Threshold values (17 3-digit values, 0-999)	PBK: S/W table indexed by THRESH_TBL > 0, else 0s

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# WETGID       10 319 - 328     .Wavelength selection group ID (unique)         PBK: WET_GID    (realtime <tbd>)
                                  Rule of formation: mmeelllnnn where
                                   mm  = instrument mode (0-15)
                                   ee  = # entries in group
                                   lll = number of wavelengths selected
                                   nnn = sequence number
* WETGRPSIZ     2 329 - 330     .# Wavelength Edit entries (1-26)               PBK: ED_GRP_LEN (realtime SEF: 37ETB <tbd>)
* WETGRP      182 331 - 512     .Wavelength Edit Table group:  WETGRPSIZ        PBK: ED_GRP     (realtime SEF: 37ETB data bytes 2..)
                                  entries, each one has 7 characters.  The
                                  first 2 characters are the repeat count
                                  (01-26).  The other 5 characters contain
                                  5 hex digits, representing the detector
                                  mask in the form BHHHH where B is 0 or 1
                                  and H has range 0-15.  (These entries are
                                  from the 37ETB instrument edit group for
                                  realtime data and from the logical AND of
                                  corresponding entries in the instrument
                                  and playback edit groups for playback data.)
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.The TARGET names used are:
   CAL      - N - non-science targets, usually calibration targets
   EARTH    - W - Earth
   MOON     - L - Moon
   SKY      - H - Stellar Space (space and stars)
   VENUS    - V - Venus
   GASPRA   - P - Gaspra
   IDA      - U - Ida
   JUPITER  - J - Jupiter
   IO       - I - Io
   EUROPA   - E - Europa
   GANYMEDE - G - Ganymede
   CALLISTO - C - Callisto
   J_RINGS  - R - Jupiter rings
   (the single letter abbreviation appears as the third character in the OAPEL name ).
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G2NNRECOVY01G2NNRECOVY01RDC03595093:00:003595093:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                  003RT 1996-247/17:15:28.1331996-247/17:15:36.133
          000000000000000000000000000000000000000000000000302003000 201080442500000

G2NNOPCAL_01G2NNOPCAL_01RDA03596253:00:003596253:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12401100 1101111011 0 0.00.0000
0000000                  048RT 1996-248/12:48:21.4001996-248/12:48:29.400
          000000000000000000000000000000000000000000000000302048000 224180000200000

G2JNGLOMOS01G2JNGLOMOS01ADB03596986:47:003596996:21:01         JUPITER  7214 1 1 0 5 012 1 1 0 5 01200010 0000000000 1 2.00.3000
0065525                    5LPU  96-249/01:10:02.053  96-249/01:19:51.385
          000000000000000000000000000000000000000000000000071300500113010158101015810101581010158101015810101581010158101015
810101581010158101015810101581010000000
G2JNGLOMOS02G2JNGLOMOS02ADC03597085:38:003597095:12:01         JUPITER  7214 1 1 0 5 012 1 1 0 5 01200010 0000000000 1 2.00.3000
0065525                    5LPU  96-249/02:50:02.049  96-249/02:59:51.383
          000000000000000000000000000000000000000000000000071300500113010158101015810101581010158101015810101581010158101015
810101581010158101015810101581010000000
G2JNGLOMOS03G2JNGLOMOS03ADD03597184:29:003597194:04:01         JUPITER  7214 1 1 0 5 012 1 1 0 5 01200010 0000000000 1 2.00.3000
0065525                    5LPU  96-249/04:30:02.045  96-249/04:39:52.045
          000000000000000000000000000000000000000000000000071300500113010158101015810101581010158101015810101581010158101015
810101581010158101015810101581010000000
G2JNGLOMOS04G2JNGLOMOS04ADE03597281:20:003597290:86:01         JUPITER  7214 1 1 0 5 012 1 1 0 5 01200010 0000000000 1 2.00.3000
0065525                    5LPU  96-249/06:08:00.709  96-249/06:17:50.708
          000000000000000000000000000000000000000000000000071300500113010158101015810101581010158101015810101581010158101015
810101581010158101015810101581010000000
G2JNGLOMOS05G2JNGLOMOS05ADF03597382:11:003597391:77:01         JUPITER  7214 1 1 0 5 012 1 1 0 5 01200010 0000000000 1 2.00.3000
0065525                    5LPU  96-249/07:50:02.038  96-249/07:59:52.038
          000000000000000000000000000000000000000000000000071300500113010158101015810101581010158101015810101581010158101015
810101581010158101015810101581010000000
G2JNGLOMOS06G2JNGLOMOS06ADG03597481:05:003597490:71:01         JUPITER  7214 1 1 0 5 012 1 1 0 5 01200010 0000000000 1 2.00.3000
0065525                    5LPU  96-249/09:30:04.034  96-249/09:39:54.034
          000000000000000000000000000000000000000000000000071300500113010158101015810101581010158101015810101581010158101015
810101581010158101015810101581010000000
G2HNDARK__02G2HNDARK__02ADH03597497:90:003597498:90:01         SKY      3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                   34LPU  96-249/09:47:11.368  96-249/09:48:12.034
          000000000000000000000000000000000000000000000000032603400126011FFFF011FFFF010000001000000100000010000001000000100
000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000
G2NNRECOVY02G2NNRECOVY02REX03597928:00:003597928:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                  003RT 1996-249/17:01:58.0001996-249/17:02:06.000
          000000000000000000000000000000000000000000000000302003000 201080442500000


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G2JNTHRMNS03G2JNTHRMNS03ADK03598778:55:003598784:38:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  80LPU  96-250/07:22:01.987  96-250/07:27:54.653
          000000000000000000000000000000000000000000000000000032608000126010000701000070100007010000701000070101107010000701000
070100007011000701000070100007010000701008070100007010000701000070100007010000701000070100007010000F010000F010000F010000F01000000100000
G2JNTHRMNS04G2JNTHRMNS04ADL03598944:69:003598945:18:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  80LPU  96-250/10:10:01.981  96-250/10:10:28.647
          000000000000000000000000000000000000000000000000000032608000126010000701000070100007010000701000070101107010000701000
070100007011000701000070100007010000701008070100007010000701000070100007010000701000070100007010000F010000F010000F010000F01000000100000
G2NNRECOVY03G2NNRECOVY03RIZ03599035:00:003599035:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                  003RT 1996-250/11:41:16.0001996-250/11:41:24.000
          000000000000000000000000000000000000000000000000302003000 201080442500000

G2GNSIPPAR01G2GNSIPPAR01AES03599300:90:003599302:85:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  204LPU  96-250/16:10:13.301  96-250/16:12:11.300
          000000000000000000000000000000000000000000000000000032620400126010000011FFFF0100000011FFFF0100000011FFFF0100000011FF
FF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF01000000100000
G2GNNRPOLE01G2GNNRPOLE01ADN03599383:41:003599388:81:01         GANYMEDE 1314 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                  204MPW  96-250/17:33:35.964  96-250/17:39:05.964
          000000000000000000000000000000000000000000000000000011320400113011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FF
FF011FFFF011FFFF011FFFF011FFFF0100000
G2GNTAMMUZ01G2GNTAMMUZ01ADM03599409:90:003599418:89:01         GANYMEDE 3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  204LPU  96-250/18:00:25.963  96-250/18:09:31.296
          000000000000000000000000000000000000000000000000000032620400126010000011FFFF0100000011FFFF0100000011FFFF0100000011FF
FF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF01000000100000
G2GNANTUM_01G2GNANTUM_01ADO03599448:70:003599453:44:01         GANYMEDE 1214 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                  204MPW  96-250/18:39:38.629  96-250/18:44:24.629
          000000000000000000000000000000000000000000000000000011320400113011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FF
FF011FFFF011FFFF011FFFF011FFFF0100000
G2GNLIMBSC01G2GUBRTLMB02ACM03599456:90:003599459:89:01         GANYMEDE 0414 1 0 0 1 012 1 0 0 1 01200010 0000000000 1 2.00.0000
0065525                    3MPW  96-250/18:47:57.295  96-250/18:50:58.629
          000000000000000000000000000000000000000000000000000071300300113010700001070000107000010700001070000107000010700001070
000107000010700001070000107000010700001070000107000
G2GNBRFRGR01G2GNBRFRGR01ADQ03599463:90:003599466:58:01         GANYMEDE 1314 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                  204MPW  96-250/18:55:01.961  96-250/18:57:42.628
          000000000000000000000000000000000000000000000000000011320400113011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FF
FF011FFFF011FFFF011FFFF011FFFF0100000
G2INCHEMIS01G2INCHEMIS01ADR03599697:00:003599700:25:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  228MPW  96-250/22:50:37.287  96-250/22:53:55.954
          030030030000030029028028029028032034031031032030029032622800126010018001 1FFFF0100180011FFFF0100180011FFFF0100180011FF
FF0100180011FFFF0100180011FFFF0100180011FFFF0100180011FFFF0100180011FFFF0100180011FFFF0100180011FFFF01000000100000
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G2INCHEMIS02G2INCHEMIS02ADT03599871:43:003599875:43:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  96-251/01:47:01.947  96-251/01:51:04.613
          0000000000000000000000000000000000000000000000000032622800126010018001 1FFFF0100180011FFFF0100180011FFFF0100180011FF
FF0100180011FFFF0100180011FFFF0100180011FFFF0100180011FFFF0100180011FFFF0100180011FFFF0100180011FFFF0100180011FFFF01000000100000
G2HNDARK__03G2HNDARK__03ADS03599939:00:003599940:00:01         SKY      3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  34MPW  96-251/02:55:18.611  96-251/02:56:19.278
          0000000000000000000000000000000000000000000000000032603400126011FFFF011FFFF0100000010000001000000100000010000001000
0001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000
G2INHRSPEC01G2INHRSPEC01ADV03600086:12:003600090:72:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 408MPW  96-251/05:24:04.606  96-251/05:28:47.272
          0000000000000000000000000000000000000000000000000032640800126011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FF
FF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF01000000100000
G2INIOMON_01G2INIOMON_01RFA03600247:00:003600247:12:01         IO       7214 1 1 021 012 1 1 021 01200100 1110000111 0 0.00.0000
0000000                 008RT 1996-251/08:06:43.9331996-251/08:06:51.933
          0000000000000000000000000000000000000000000000000000702008000 21212A950100000

G2JNTHRMNS07G2JNTHRMNS07ADW03600263:55:003600291:53:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  80LPU  96-251/08:23:31.932  96-251/08:51:49.265
          0000000000000000000000000000000000000000000000000032608000126010000701000070100007010000701000070101107010000701000
0701000070110007010000701000070100007010080701000070100007010000701000070100007010000701000070100007010000F010000F010000F010000F01000000100000
G2ENLEADMP01G2ENLEADMP01AEA03600785:06:003600788:01:01         EUROPA   3314 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 204LPU  96-251/17:10:47.246  96-251/17:13:45.912
          0300300300000300290280280290280320340310310320300290326204001260100000011FFFF0100000011FFFF0100000011FFFF0100000011FF
FF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF0100000011FFFF01000000100000
G2HNDARK__04G2HNDARK__04AEB03600797:90:003600798:90:01         SKY      3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  34MPW  96-251/17:23:51.246  96-251/17:24:51.912
          0000000000000000000000000000000000000000000000000032603400126011FFFF011FFFF0100000010000001000000100000010000001000
0001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000
G2ENEURORT01G2ENEURORT01RFC03600807:00:003600808:12:01         EUROPA   3314 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1996-251/17:32:57.2661996-251/17:34:05.933
          0000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

G2INCHEMIS05G2INCHEMIS05AEC03601035:51:003601037:00:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 102MPW  96-251/21:24:03.904  96-251/21:25:31.237
          0300300300000300290280280290280320340310310320300290326102001260100000011FFFF0100000010000001000000011FFFF010000001000
0001000000011FFFF0100000010000001000000011FFFF0100000010000001000000011FFFF0100000010000001000000011FFFF0100000010000001000000100000
G2INTHRMAL01G2INTHRMAL01AED03601043:90:003601044:74:01         IO       3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  10LPU  96-251/21:32:35.237  96-251/21:33:25.237
          0300300300000300290280280290280320340310310320300290326010001260100000010000001000000100000010000001000000100000010000001000
0001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000011D5550100000010000001000000100000
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G2INVOLCAN01G2INVOLCAN01AEE03601094:90:003601095:44:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  10LPU  96-251/22:24:09.235  96-251/22:24:39.235
          0300300300000300290280280290280320340310310320300290326010001260100000010000001000000100000010000001000000100000010000001000
0001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000011D5550100000010000001000000100000
G2INVOLCAN02G2INVOLCAN02AEF03601154:90:003601155:44:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  10LPU  96-251/23:24:49.232  96-251/23:25:19.232
          0300300300000300290280280290280320340310310320300290326010001260100000010000001000000100000010000001000000100000010000001000
0001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000011D5550100000010000001000000100000
G2INVOLCAN03G2INVOLCAN03AEH03601228:90:003601229:44:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  10LPU  96-252/00:39:38.563  96-252/00:40:08.563
          0300300300000300290280280290280320340310310320300290326010001260100000010000001000000100000010000001000000100000010000001000
0001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000011D5550100000010000001000000100000
G2INVOLCAN04G2INVOLCAN04AEI03601377:90:003601378:44:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  10LPU  96-252/03:10:17.891  96-252/03:10:47.891
          0300300300000300290280280290280320340310310320300290326010001260100000010000001000000100000010000001000000100000010000001000
0001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000011D5550100000010000001000000100000
G2INVOLCAN05G2INVOLCAN05AEJ03601505:00:003601505:45:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  10LPU  96-252/05:18:42.553  96-252/05:19:12.553
          0300300300000300290280280290280320340310310320300290326010001260100000010000001000000100000010000001000000100000010000001000
0001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000011D5550100000010000001000000100000
G2HNDARK__05G2HNDARK__05AEK03601512:00:003601513:00:01         SKY      3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  34LPU  96-252/05:25:47.220  96-252/05:26:47.886
          0000000000000000000000000000000000000000000000000032603400126011FFFF011FFFF0100000010000001000000100000010000001000
0001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000
G2NNPCTCAL01G2NNPCTCAL01BEP03602073:00:003602076:02:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 180LPU  96-252/14:53:01.198  96-252/14:56:05.198
          0000000000000000000000000000000000000000000000000032618000126011FE00011FE00011FE00011FE00011FE00011FE00011FE00011FE00011FE
00011FE00011FE00011FE00011FE00011FC00011FC00011FC00011FC00011FC00011FC00011FC00011FC00011FC00011FC00011FC0001000000100000
G2NNRECOVY04G2NNRECOVY04RFX03602588:00:003602588:12:01         CAL      3424 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                  003RT 1996-252/23:33:44.5331996-252/23:33:52.533
          0000000000000000000000000000000000000000000000000000302003000 201080442500000

G2CNGLOBAL01G2CNGLOBAL01AEL03603235:52:003603245:68:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 408MPW  96-253/10:28:30.490  96-253/10:38:47.823
          0300300300000300290280280290280320340310310320300290326408001260110FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FF
FF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF01000000100000
G2HNDARK__06G2HNDARK__06AEM03603261:00:003603262:00:01         SKY      3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  34LPU  96-253/10:54:13.155  96-253/10:55:13.822
          0000000000000000000000000000000000000000000000000032603400126011FFFF011FFFF0100000010000001000000100000010000001000
0001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000
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G2CNCALLRT01G2CNCALLRT01RET03603270:00:003603271:12:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1996-253/11:03:19.1331996-253/11:04:27.800
          00000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

G2NNRCTRLT01LSNNRCTRTA01RXU03608132:00:003608132:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1996-256/20:59:20.3331996-256/20:59:28.333
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G2NNRCTRLT01LSNNRCTRTA01SXU03608138:00:003608139:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1996-256/21:05:24.3331996-256/21:06:33.000
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G2NNRCTRLT01LSNNRCTRTA01TXU03608144:00:003608144:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1996-256/21:11:28.3331996-256/21:11:36.333
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G2NNRCTRLT02LSNNRCTRTB01RXI03652856:00:003652856:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1996-288/06:40:14.6661996-288/06:40:22.666
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G2NNRCTRLT02LSNNRCTRTB01SXI03652862:00:003652863:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1996-288/06:46:18.6661996-288/06:47:27.333
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G2NNRCTRLT02LSNNRCTRTB01TXI03652868:00:003652868:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1996-288/06:52:22.6661996-288/06:52:30.666
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G2NNOPCAL_02G2NNOPCAL_02RDA03670156:00:003670158:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12401100 1101111011 0 0.00.0000
0000000                 048RT 1996-300/10:12:27.0001996-300/10:14:36.333
          00000000000000000000000000000000000000000000000000302048000 224180000200000

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