Chapter 4 - NIMS Observation Summaries

Contents

Sub-Section		Page
4.0	Contents	1
4.1	Introduction to Chapter 4	2
4.2	NIMS Sequence Summary	3-109
4.3	NIMS Individual Obstab Summaries	110-198
4.4	NIMS OBSTAB (Planned)	199-210

Introduction to Chapter 4

This chapter summarizes the NIMS G8 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 G8 Sequence. The information in this summary is derived from the G8 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 G8 data. It is also derived from the G8 SEFs and PBTs. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry.

Sequence:	G08A-AR	Created: 5/19/97	Begin: 97-124/16:00:00 Finish: 97-131/16:00:00

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	**97**	**124**	**16:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**3,941,093:27:6**
2	**97**	**124**	**16:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**3,941,093:27:6**
3	**97**	**124**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,941,093:27:6**
4	**97**	**124**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**3,941,093:27:6**
5	**97**	**124**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,941,093:27:6**
6	**97**	**124**	**16:00:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,941,093:27:6**
7	**97**	**124**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**3,941,093:27:6**
8	**97**	**124**	**16:00:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,941,093:27:6**
9	**97**	**124**	**16:00:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,941,093:27:6**
10	97	124	16:00:00.266		DMS:	: READY	RDY, TRACK 4, REV, TIC 1694.00 +/-	4O0	4	0	3,941,093:28:0
11	97	124	16:01:46.266	488AA6A	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	4O0	4	0	3,941,095:05:0
12	**97**	**124**	**16:02:42.266**	**432JA6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4O0**	**4**	**0**	**3,941,095:89:0**
13	97	124	16:02:42.933	432JA431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	4O0	4	0	3,941,095:90:0
14	**97**	**124**	**16:02:43.600**	**432JA6D**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**4O0**	**4**	**0**	**3,941,096:00:0**
15	97	124	16:02:43.600	432JA6C	6RTSL1		R/T Select of DDS and	4O0	4	0	3,941,096:00:0
16	97	124	16:05:00.266	418SA6B	6BUFHI	10	MUB Buffer high water	4O0	4	0	3,941,098:23:0
17	97	124	16:05:00.266	418SA6A	6BUFLO	2	MUB Buffer low water m	4O0	4	0	3,941,098:23:0
18	97	124	16:12:08.266	488AA6B	6TMSED	FILL,HL7	Sci, Eng, and D/L Chan	4O0	4	0	3,941,105:28:0
19	97	124	16:14:34.266	488AA6C	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	4O0	4	0	3,941,107:65:0
20	97	124	16:16:14.266	488AA6D	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	4O0	4	0	3,941,109:33:0
21	97	124	16:23:02.266	444UA443A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	4O0	4	0	3,941,116:08:0
22	97	124	16:42:08.933	165BA4A	7SCAN	NORM,217.132,-15	Check S/P Position	4O0	4	0	3,941,134:90:0
23	97	124	19:00:04.266	20RA4A	7TMOT	ENA,TMC	Enable IVP - Target Motion	4O0	4	0	3,941,271:36:0
24	97	124	19:20:21.600	488AA6E	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	4O0	4	0	3,941,291:42:0
25	97	124	19:43:46.266	488AB6A	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	4O0	4	0	3,941,314:56:0
26	97	124	22:15:00.266	488AB6B	6TMSED	NORM,EL8	Sci, Eng, and D/L Chan	4O0	4	0	3,941,464:17:0
27	97	124	22:23:00.266	488AB6C	6TMSED	NORM,EH8	Sci, Eng, and D/L Chan	4O0	4	0	3,941,472:09:0
28	97	124	22:25:00.266	41SA99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	4O0	4	0	3,941,474:07:0
29	**97**	**124**	**22:26:54.266**	**41SA3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,941,475:87:0**
30	**97**	**124**	**22:27:04.266**	**41SA3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,941,476:11:0**
31	**97**	**124**	**22:27:14.266**	**41SA3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,941,476:26:0**
32	**97**	**124**	**22:27:24.266**	**41SA3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,941,476:41:0**
33	97	124	22:40:42.266	488AB6D	6TMSED	NORM,EH7	Sci, Eng, and D/L Chan	4O0	4	0	3,941,489:55:0
34	97	125	00:06:02.266	488AB6E	6TMSED	NORM,EH6	Sci, Eng, and D/L Chan	4O0	4	0	3,941,574:00:0
35	97	125	01:10:02.266	488AC6A	6TMSED	NORM,EH5	Sci, Eng, and D/L Chan	4O0	4	0	3,941,637:27:0
36	97	125	01:50:34.266	488AC6B	6TMSED	NORM,EH3	Sci, Eng, and D/L Chan	4O0	4	0	3,941,677:35:0
37	97	125	02:11:54.266	488AC6C	6TMSED	NORM,EH4	Sci, Eng, and D/L Chan	4O0	4	0	3,941,698:44:0
38	97	125	03:30:00.266	488AC6D	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	3,941,775:66:0
39	97	125	03:30:00.266	41SB99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	4O0	4	0	3,941,775:66:0
40	**97**	**125**	**03:30:04.266**	**41SB3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,941,775:72:0**
41	**97**	**125**	**03:30:14.266**	**41SB3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,941,775:87:0**
42	**97**	**125**	**03:30:24.266**	**41SB3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,941,776:11:0**
43	**97**	**125**	**03:30:34.266**	**41SB3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,941,776:26:0**
44	97	125	03:39:59.600	432OC431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	3,941,785:55:0
45	97	125	03:40:00.266	432OC6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,941,785:56:0
46	97	125	03:52:30.933	165BB4A	7SCAN	NORM,222.557999,	Check S/P Position	4O0	4	0	3,941,797:90:0
47	97	125	04:09:14.266	488AC6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	3,941,814:48:0
48	97	125	08:16:42.266	488AD6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	3,942,059:25:0
49	97	125	09:00:54.266	165CB4A	7SCAN	NORM,228.049,-16	Check S/P Position	4O0	4	0	3,942,102:90:0
50	97	125	09:04:48.266	117CB	**CSMOS**	GS	***** GROUP START CSMOS	4O0	4	0	3,942,106:77:0
51	97	125	09:04:57.600	117CB105A106A4A	7STRP	0.01031,0.0,0,0,	Slew =,0.01	4O0	4	0	3,942,107:00:0
52	97	125	09:05:46.266	488AD6B	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	4O0	4	0	3,942,107:73:0
53	97	125	09:22:10.266	117CB11A	**CSMOS**	GE	***** GROUP END CSMOS	4O0	4	0	3,942,124:02:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	97	125	09:33:30.266	488AD6C	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	3,942,135:21:0	
55	97	125	10:05:00.266	41SC99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	4O0	4	0	3,942,166:35:0	
56	**97**	**125**	**10:06:54.266**	**41SC3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,942,168:24:0**	
57	**97**	**125**	**10:07:04.266**	**41SC3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,942,168:39:0**	
58	**97**	**125**	**10:07:14.266**	**41SC3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,942,168:54:0**	
59	**97**	**125**	**10:07:24.266**	**41SC3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,942,168:69:0**	
60	97	125	10:22:34.266	488AD6D	6TMSED	NORM,EL2	Sci, Eng, and D/L Chan	4O0	4	0	3,942,183:69:0	
61	97	125	10:23:00.266	488AD6E	6TMSED	NORM,EH2	Sci, Eng, and D/L Chan	4O0	4	0	3,942,184:17:0	
62	97	125	10:35:02.266	490UA412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	4O0	4	0	3,942,196:08:0	
63	97	125	10:35:41.600	488AE6A	6TMSED	FILL,EH2	Sci, Eng, and D/L Chan	4O0	4	0	3,942,196:67:0	
64	97	125	10:40:00.266	490UA412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	3,942,201:00:0	
65	97	125	10:44:10.266	490UA412A4E	7VECT	RTH	Inert vect update UTC	4O0	4	0	3,942,205:11:0	
66	97	125	10:44:14.266	490UA412A4F	7TURN	2,RTH	ALERT Thruster	4O0	4	0	3,942,205:17:0	
67	97	125	10:48:02.266	490UA412A406A4A	7VECT		Inert vect update UTC	4O0	4	0	3,942,208:86:0	
68	97	125	10:48:04.266	490UA412A406A4B	7STAR	1,3000,95.710999	Star catalog update	4O0	4	0	3,942,208:89:0	
69	97	125	10:48:06.266	490UA412A406A4C	7STAR	2,770,213.33,19.	Star catalog update	4O0	4	0	3,942,209:01:0	
70	97	125	10:48:08.266	490UA412A406A4D	7STAR	3,138,199.44	Star catalog update	4O0	4	0	3,942,209:04:0	
71	97	125	10:48:10.266	490UA412A406A4E	7STAR	4,0,0.0,0.0	Star catalog update	4O0	4	0	3,942,209:07:0	
72	97	125	10:48:12.266	490UA412A406A4F	7STAR	5,0,0.0,0.0	Star catalog update	4O0	4	0	3,942,209:10:0	
73	97	125	10:48:14.266	490UA412A406A4G	7STAR	6,0,0.0,0.0	Star catalog update	4O0	4	0	3,942,209:13:0	
74	**97**	**125**	**10:48:58.933**	**432RA6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**4O0**	**4**	**0**	**3,942,209:80:0**	
75	**97**	**125**	**10:55:00.266**	**432RB6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**4O0**	**4**	**0**	**3,942,215:76:0**	
76	97	125	11:22:59.600	488AE6B	6TMSED	NORM,EH2	Sci, Eng, and D/L Chan	4O0	4	0	3,942,243:47:0	
77	97	125	11:43:38.266	488AE6C	6TMSED	NORM,EH3	Sci, Eng, and D/L Chan	4O0	4	0	3,942,263:85:0	
78	97	125	11:59:59.600	432OI431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	3,942,280:10:0	
79	97	125	12:00:00.266	432OI6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,942,280:11:0	
80	97	125	12:20:00.266	41SD99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	4O0	4	0	3,942,299:82:0	
81	**97**	**125**	**12:20:04.266**	**41SD3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,942,299:88:0**	
82	**97**	**125**	**12:20:14.266**	**41SD3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,942,300:12:0**	
83	**97**	**125**	**12:20:24.266**	**41SD3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,942,300:27:0**	
84	**97**	**125**	**12:20:34.266**	**41SD3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,942,300:42:0**	
85	97	125	12:31:00.266	488AE6D	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	4O0	4	0	3,942,310:71:0	
86	97	125	12:38:16.933	431ZL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	3,942,317:89:0	
87	97	125	12:42:24.933	20ZM6A	6EUVON			4O0	4	0	3,942,322:06:0	
88	97	125	12:43:21.600	431ZM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	3,942,323:00:0	
89	97	125	12:58:30.933	165BC4A	7SCAN	NORM,217.448,-14	Check S/P Position	4O0	4	0	3,942,337:90:0	
90	97	125	14:12:58.266	488AE6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4O0	4	0	3,942,411:57:0	
91	97	125	14:57:46.266	488AF6A	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4O0	4	0	3,942,455:85:0	
92	97	125	16:29:50.933	465KH6A	6DMSC	RDY,4	DMS Control Tape stop	4O0	4	0	3,942,547:00:0	
93	97	125	18:33:06.866	488AF6B	6TMSED	FILL,EL6	Sci, Eng, and D/L Chan	4O0	4	0	3,942,668:83:0	
94	97	125	18:59:56.200	488AF6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4O0	4	0	3,942,695:40:0	
95	97	126	00:01:46.200	488AG6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4O0	4	0	3,942,993:87:0	
96	97	126	01:24:58.200	488AG6B	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	4O0	4	0	3,943,076:22:0	
97	97	126	01:46:18.200	488AG6C	6TMSED	NORM,EL1	Sci, Eng, and D/L Chan	4O0	4	0	3,943,097:31:0	
98	97	126	02:58:50.200	488AG6D	6TMSED	NORM,EL2	Sci, Eng, and D/L Chan	4O0	4	0	3,943,169:07:0	
99	97	126	03:10:52.866	165BE4A	7SCAN	NORM,219.389999,	Check S/P Position	4O0	4	0	3,943,180:90:0	
100	97	126	03:15:34.200	488AG6E	6TMSED	FILL,EL2	Sci, Eng, and D/L Chan	4O0	4	0	3,943,185:57:0	
101	97	126	03:29:05.533	411JB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,943,199:00:0	
102	97	126	03:29:05.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1694.00 +/-	4O0	4	0	3,943,199:00:0	
103	97	126	03:29:06.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1694.12 +/-	4O0	4	0	3,943,199:02:1	
104	97	126	03:29:12.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1695.35 +/-	4O0	4	0	3,943,199:10:0	
105	97	126	03:29:13.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1695.41 +/-	4O0	4	0	3,943,199:11:8	
106	97	126	03:29:14.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1695.29 +/-	4O0	4	0	3,943,199:13:9	
107	97	126	03:29:14.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1695.29 +/-	4O0	4	0	3,943,199:13:9	
108	97	126	03:29:15.533	411JB6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4O0	4	0	3,943,199:15:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	97	126	03:31:16.866	411JB6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4O0	4	0	3,943,201:15:0	
110	97	126	03:31:19.533	175TE176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4O0	4	0	3,943,201:19:0	
111	97	126	03:31:20.200	175TE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4O0	4	0	3,943,201:20:0	
112	97	126	03:31:26.866	175TE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4O0	4	0	3,943,201:30:0	
113	97	126	03:31:26.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1664.34 +/-	4O0	4	0	3,943,201:30:0	
114	97	126	03:31:28.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1664.28 +/-	4O0	4	0	3,943,201:31:8	
115	97	126	04:00:00.200	488AH6A	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	4O0	4	0	3,943,229:52:0	
116	97	126	04:02:52.866	488AH6B	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	4O0	4	0	3,943,232:38:0	
117	**97**	**126**	**04:55:06.200**	**G8NNCHOPON01-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
118	97	126	04:56:58.866	125FQ	NIMSINIT	GS	##### GROUP START INIT	4O0	4	0	3,943,285:84:0	
119	**97**	**126**	**04:56:58.866**	**125FQ4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,943,285:84:0**	
120	**97**	**126**	**04:57:59.533**	**125FQ4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,943,286:84:0**	
121	97	126	04:59:00.200	125FQ11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	3,943,287:84:0	
122	**97**	**126**	**04:59:00.200**	**125FQ4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**3,943,287:84:0**	
123	**97**	**126**	**05:02:10.867**	**G8NNCHOPON01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
124	**97**	**126**	**05:05:12.867**	**G8CNGLOBAL01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
125	97	126	05:10:09.533	176DA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R0	4	0	3,943,298:87:0	
126	**97**	**126**	**05:11:08.200**	**125DA4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R0**	**4**	**0**	**3,943,299:84:0**	
127	97	126	05:11:08.200	125DA	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	3,943,299:84:0	
128	97	126	05:11:08.200	125DA11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	3,943,299:84:0	
129	**97**	**126**	**05:12:08.866**	**127DA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,943,300:84:0**	
130	97	126	05:12:08.866	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,943,300:84:0	
131	**97**	**126**	**05:12:09.533**	**127DA4B**	**37ETB**	**07,C7,02,00,E0,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,943,300:85:0**	
132	97	126	05:12:12.866	165DA4A	7SCAN	NORM,237.543999,	Check S/P Position	4R3	4	0	3,943,300:90:0	
133	97	126	05:12:17.533	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,943,301:06:0	
134	97	126	05:13:02.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1664.28 +/-	4R3	4	0	3,943,301:73:0	
135	97	126	05:13:02.200	175DA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,943,301:73:0	
136	97	126	05:13:03.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1664.40 +/-	4R3	4	0	3,943,301:75:1	
137	97	126	05:13:04.866	117DA	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,943,301:77:0	
138	97	126	05:13:08.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1665.64 +/-	4R3	4	0	3,943,301:83:0	
139	97	126	05:13:10.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1665.70 +/-	4R3	4	0	3,943,301:84:8	
140	97	126	05:13:10.866	175DA176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,943,301:86:0	
141	97	126	05:13:11.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1665.58 +/-	4R3	4	0	3,943,301:86:9	
142	97	126	05:13:11.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1665.58 +/-	4R3	4	0	3,943,301:86:9	
143	97	126	05:13:12.866	165DA4B	7VECT		Inert vect update UTC	4R3	4	0	3,943,301:89:0	
144	97	126	05:13:14.200	117DA105A106A4A	7STRP	-0.020903,0.0,0,	Slew =,0.03	4R3	4	0	3,943,302:00:0	
145	**97**	**126**	**05:13:14.200**	**G8CNGLOBAL01-**	**NIMPBK**	**301FQ**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
146	97	126	05:24:54.866	117DA105A106A4B	7STRP	0.020903,-0.009,	Slew =12.01	4R3	4	0	3,943,313:50:0	
147	**97**	**126**	**05:24:54.866**	**G8CNGLOBAL01-**	**DESELC**	**300FQ**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
148	**97**	**126**	**05:25:01.533**	**G8CNGLOBAL01-**	**NIMPBK**	**301DA**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
149	97	126	05:25:01.533	117DA105A106A4C	7STRP	-0.020903,0.0,0,	Slew =,0.03	4R3	4	0	3,943,313:60:0	
150	**97**	**126**	**05:36:42.200**	**G8CNGLOBAL01-**	**DESELC**	**300DA**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
151	97	126	05:36:42.200	117DA105A106A4D	7STRP	0.020903,-0.009,	Slew =12.01	4R3	4	0	3,943,325:19:0	
152	**97**	**126**	**05:36:48.866**	**G8CNGLOBAL01-**	**NIMPBK**	**301FE**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
153	97	126	05:36:48.866	117DA105A106A4E	7STRP	-0.020903,0.0,0,	Slew =,0.03	4R3	4	0	3,943,325:29:0	
154	**97**	**126**	**05:43:38.200**	**G8CNGLOBAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
155	**97**	**126**	**05:48:02.200**	**G8CNGLOBAL01-**	**DESELC**	**300FE**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
156	97	126	05:48:12.200	175DA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,943,336:53:0	
157	97	126	05:48:12.200	175DA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,943,336:53:0	
158	97	126	05:48:12.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1173.22 +/-	4R3	4	0	3,943,336:53:0	
159	97	126	05:48:13.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1173.16 +/-	4R3	4	0	3,943,336:54:8	
160	97	126	05:48:29.533	117DA11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,943,336:79:0	
161	97	126	05:48:36.866	165BW4A	7SCAN	NORM,221.530998,	Check S/P Position	4R3	4	0	3,943,336:90:0	
162	97	126	07:39:50.200	165CC4A	7SCAN	NORM,237.787998,	Check S/P Position	4R3	4	0	3,943,446:90:0	
163	97	126	07:43:44.200	117CC	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,943,450:77:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	97	126	07:43:53.533	117CC105A106A4A	7STRP	0.013351,0.0,0,0	Slew =,0.01	4R3	4	0	3,943,451:00:0	
165	97	126	08:06:09.533	117CC11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,943,473:02:0	
166	97	126	08:56:11.533	488AH6C	6TMSED	FILL,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,943,522:46:0	
167	**97**	**126**	**09:08:53.533**	**G8NNHNDARK01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
168	97	126	09:09:49.533	165DB4A	7SCAN	NORM,236.485998,	Check S/P Position	4R3	4	0	3,943,535:90:0	
169	97	126	09:12:47.533	127DB	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,943,538:84:0	
170	**97**	**126**	**09:12:48.200**	**127DB4A**	**37ETB**	**07,C7,05,FF,FF,3**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,943,538:85:0**	
171	97	126	09:12:56.200	127DB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,943,539:06:0	
172	97	126	09:13:38.200	175DB422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	4R3	4	0	3,943,539:69:0	
173	97	126	09:13:38.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1173.16 +/-	4R3	4	0	3,943,539:69:0	
174	97	126	09:13:39.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1173.28 +/-	4R3	4	0	3,943,539:71:1	
175	97	126	09:13:44.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1174.51 +/-	4R3	4	0	3,943,539:79:0	
176	97	126	09:13:46.066		DMS:	: *RUNUP	R28, TRACK *4, *REV, TIC *1174.57 +/-	4R3	4	0	3,943,539:80:8	
177	97	126	09:13:49.533	175DB176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	3,943,539:86:0	
178	97	126	09:13:50.066		DMS:	**: *RECORD**	R28, TRACK 4, REV, TIC *1173.07 +/-	4R3	4	0	3,943,539:86:8	
179	97	126	09:13:50.066		DMS:	: *AT_SPD	R28, TRACK 4, REV, TIC 1173.07 +/-	4R3	4	0	3,943,539:86:8	
180	**97**	**126**	**09:13:52.866**	**G8HNDARK__01-**	**NIMPBK**	**301DB**	**DARK OBSERVATION**	**4R3**	**4**	**0**	**: :**	
181	**97**	**126**	**09:14:53.533**	**G8HNDARK__01-**	**DESELC**	**300DB**	**DARK OBSERVATION**	**4R3**	**4**	**0**	**: :**	
182	97	126	09:14:58.200		DMS:	**: *RUNDOWN**	R28, TRACK 4, REV, TIC *1113.19 +/-	4R3	4	0	3,943,541:07:0	
183	97	126	09:14:58.200	175DB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,943,541:07:0	
184	97	126	09:14:59.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1112.89 +/-	4R3	4	0	3,943,541:08:8	
185	**97**	**126**	**09:19:00.200**	**G8NNHNDARK01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
186	97	126	09:33:29.533	488AH6D	6TMSED	NORM,DL2	Sci, Eng, and D/L Chan	4R3	4	0	3,943,559:36:0	
187	97	126	09:34:05.533	165GB4A	7SCAN	NORM,249.117998,	Check S/P Position	4R3	4	0	3,943,559:90:0	
188	97	126	09:34:06.200	411JD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,943,560:00:0	
189	97	126	09:34:06.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1112.89 +/-	4R3	4	0	3,943,560:00:0	
190	97	126	09:34:07.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1113.01 +/-	4R3	4	0	3,943,560:02:1	
191	97	126	09:34:12.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1114.24 +/-	4R3	4	0	3,943,560:10:0	
192	97	126	09:34:14.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1114.30 +/-	4R3	4	0	3,943,560:11:8	
193	97	126	09:34:15.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1114.18 +/-	4R3	4	0	3,943,560:13:9	
194	97	126	09:34:15.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1114.18 +/-	4R3	4	0	3,943,560:13:9	
195	97	126	09:34:16.200	411JD6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	3,943,560:15:0	
196	97	126	09:35:00.200	488AH6E	6TMSED	NORM,EL2	Sci, Eng, and D/L Chan	4R3	4	0	3,943,560:81:0	
197	97	126	09:36:17.533	411JD6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,943,562:15:0	
198	97	126	09:36:20.200	175TF176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	3,943,562:19:0	
199	97	126	09:36:20.866	175TF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,943,562:20:0	
200	97	126	09:36:27.533	175TF422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,943,562:30:0	
201	97	126	09:36:27.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1083.23 +/-	4R3	4	0	3,943,562:30:0	
202	97	126	09:36:28.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1083.17 +/-	4R3	4	0	3,943,562:31:8	
203	97	126	09:37:59.533	117GB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,943,563:77:0	
204	97	126	09:38:07.533	165GB4B	7VECT		Inert vect update UTC	4R3	4	0	3,943,563:89:0	
205	97	126	09:38:08.866	176GB6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,943,564:00:0	
206	97	126	09:38:08.866	117GB105A106A4A	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,564:00:0	
207	97	126	09:39:52.866	117GB105A106A4B	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,565:65:0	
208	97	126	09:40:02.866	117GB105A106A4C	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,565:80:0	
209	97	126	09:41:46.866	117GB105A106A4D	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,567:54:0	
210	97	126	09:41:56.866	117GB105A106A4E	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,567:69:0	
211	97	126	09:43:40.866	117GB105A106A4F	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,569:43:0	
212	97	126	09:43:50.866	117GB105A106A4G	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,569:58:0	
213	97	126	09:45:34.866	117GB105A106A4H	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,571:32:0	
214	97	126	09:45:44.866	117GB105A106A4I	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,571:47:0	
215	97	126	09:47:28.866	117GB105A106A4J	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,573:21:0	
216	97	126	09:47:38.866	117GB105A106A4K	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,573:36:0	
217	97	126	09:49:22.866	117GB105A106A4L	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,575:10:0	
218	97	126	09:49:32.866	117GB105A106A4M	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,575:25:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	97	126	09:51:16.866	117GB105A106A4N	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,576	90:0
220	97	126	09:51:26.866	117GB105A106A4O	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,577	14:0
221	97	126	09:53:10.866	117GB105A106A4P	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,578	79:0
222	97	126	09:53:20.866	117GB105A106A4Q	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,579	03:0
223	97	126	09:55:04.866	117GB105A106A4R	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,580	68:0
224	97	126	09:55:14.866	117GB105A106A4S	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,580	83:0
225	97	126	09:55:21.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1083.17 +/-	4R3	4	0	3,943,581	02:0
226	97	126	09:55:21.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,943,581	02:0
227	97	126	09:55:22.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1083.29 +/-	4R3	4	0	3,943,581	04:1
228	97	126	09:55:28.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1084.52 +/-	4R3	4	0	3,943,581	12:0
229	97	126	09:55:29.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1084.58 +/-	4R3	4	0	3,943,581	13:8
230	97	126	09:55:30.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1084.46 +/-	4R3	4	0	3,943,581	15:9
231	97	126	09:55:56.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1078.35 +/-	4R3	4	0	3,943,581	55:0
232	97	126	09:56:19.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1073.04 +/-	4R3	4	0	3,943,581	89:0
233	97	126	09:56:19.533	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,943,581	89:0
234	97	126	09:56:20.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1072.98 +/-	4R3	4	0	3,943,581	90:8
235	97	126	09:56:58.866	117GB105A106A4T	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,582	57:0
236	97	126	09:57:08.866	117GB105A106A4U	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,582	72:0
237	97	126	09:58:52.866	117GB105A106A4V	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,584	46:0
238	97	126	09:59:02.866	117GB105A106A4W	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,584	61:0
239	97	126	10:00:46.866	117GB105A106A4X	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,586	35:0
240	97	126	10:00:56.866	117GB105A106A4Y	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,586	50:0
241	97	126	10:02:40.866	117GB105A106A4Z	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,588	24:0
242	97	126	10:02:50.866	117GB105A106A4AA	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,588	39:0
243	97	126	10:04:34.866	117GB105A106A4AB	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,590	13:0
244	97	126	10:04:44.866	117GB105A106A4AC	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,590	28:0
245	97	126	10:06:28.866	117GB105A106A4AD	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,592	02:0
246	97	126	10:06:38.866	117GB105A106A4AE	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,592	17:0
247	97	126	10:08:22.866	117GB105A106A4AF	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,593	82:0
248	97	126	10:08:32.866	117GB105A106A4AG	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,594	06:0
249	97	126	10:09:46.200	488AI6A	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	4R3	4	0	3,943,595	25:0
250	97	126	10:10:16.866	117GB105A106A4AH	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,595	71:0
251	97	126	10:10:26.866	117GB105A106A4AI	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,595	86:0
252	97	126	10:12:10.866	117GB105A106A4AJ	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,597	60:0
253	97	126	10:12:20.866	117GB105A106A4AK	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,597	75:0
254	97	126	10:13:12.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1072.98 +/-	4R3	4	0	3,943,598	62:0
255	97	126	10:13:12.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,943,598	62:0
256	97	126	10:13:14.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1073.10 +/-	4R3	4	0	3,943,598	64:1
257	97	126	10:13:19.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1074.34 +/-	4R3	4	0	3,943,598	72:0
258	97	126	10:13:20.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1074.40 +/-	4R3	4	0	3,943,598	73:8
259	97	126	10:13:22.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1074.28 +/-	4R3	4	0	3,943,598	75:9
260	97	126	10:13:47.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1068.32 +/-	4R3	4	0	3,943,599	23:0
261	97	126	10:14:04.866	117GB105A106A4AL	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,599	49:0
262	97	126	10:14:10.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1063.01 +/-	4R3	4	0	3,943,599	57:0
263	97	126	10:14:10.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,943,599	57:0
264	97	126	10:14:11.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1062.95 +/-	4R3	4	0	3,943,599	58:8
265	97	126	10:14:14.866	117GB105A106A4AM	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,599	64:0
266	97	126	10:15:58.866	117GB105A106A4AN	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,601	38:0
267	97	126	10:16:08.866	117GB105A106A4AO	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,601	53:0
268	97	126	10:17:52.866	117GB105A106A4AP	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,603	27:0
269	97	126	10:18:02.866	117GB105A106A4AQ	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,603	42:0
270	97	126	10:19:46.866	117GB105A106A4AR	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,605	16:0
271	97	126	10:19:56.866	117GB105A106A4AS	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,605	31:0
272	97	126	10:21:40.866	117GB105A106A4AT	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,607	05:0
273	97	126	10:21:50.866	117GB105A106A4AU	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,607	20:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	97	126	10:23:34.866	117GB105A106A4AV	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,608	85:0
275	97	126	10:23:44.866	117GB105A106A4AW	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,609	09:0
276	97	126	10:25:28.866	117GB105A106A4AX	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,610	74:0
277	97	126	10:25:38.866	117GB105A106A4AY	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,610	89:0
278	97	126	10:26:45.533	488AI6B	6TMSED	FILL,EL3	Sci, Eng, and D/L Chan	4R3	4	0	3,943,612	07:0
279	97	126	10:27:22.866	117GB105A106A4AZ	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,612	63:0
280	97	126	10:27:32.866	117GB105A106A4BA	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,612	78:0
281	97	126	10:29:16.866	117GB105A106A4BB	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,614	52:0
282	97	126	10:29:26.866	117GB105A106A4BC	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,614	67:0
283	97	126	10:31:04.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,943,616	31:0
284	97	126	10:31:04.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1062.95 +/-	4R3	4	0	3,943,616	31:0
285	97	126	10:31:05.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1063.07 +/-	4R3	4	0	3,943,616	33:1
286	97	126	10:31:10.866	117GB105A106A4BD	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,616	41:0
287	97	126	10:31:10.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1064.30 +/-	4R3	4	0	3,943,616	41:0
288	97	126	10:31:12.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1064.36 +/-	4R3	4	0	3,943,616	42:8
289	97	126	10:31:13.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1064.24 +/-	4R3	4	0	3,943,616	44:9
290	97	126	10:31:20.866	117GB105A106A4BE	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,616	56:0
291	97	126	10:31:38.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1058.29 +/-	4R3	4	0	3,943,616	83:0
292	97	126	10:32:01.533	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,943,617	26:0
293	97	126	10:32:01.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1052.98 +/-	4R3	4	0	3,943,617	26:0
294	97	126	10:32:02.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1052.92 +/-	4R3	4	0	3,943,617	27:8
295	97	126	10:33:04.866	117GB105A106A4BF	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,618	30:0
296	97	126	10:33:14.866	117GB105A106A4BG	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,618	45:0
297	97	126	10:34:58.866	117GB105A106A4BH	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,620	19:0
298	97	126	10:35:08.866	117GB105A106A4BI	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,620	34:0
299	97	126	10:36:52.866	117GB105A106A4BJ	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,622	08:0
300	97	126	10:37:02.866	117GB105A106A4BK	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,622	23:0
301	97	126	10:38:46.866	117GB105A106A4BL	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,623	88:0
302	97	126	10:38:56.866	117GB105A106A4BM	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,624	12:0
303	97	126	10:40:40.866	117GB105A106A4BN	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,625	77:0
304	97	126	10:40:50.866	117GB105A106A4BO	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,626	01:0
305	97	126	10:42:34.866	117GB105A106A4BP	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,627	66:0
306	97	126	10:42:44.866	117GB105A106A4BQ	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,627	81:0
307	97	126	10:44:28.866	117GB105A106A4BR	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,629	55:0
308	97	126	10:44:38.866	117GB105A106A4BS	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,629	70:0
309	97	126	10:46:22.866	117GB105A106A4BT	7STRP	-0.060072,0.0025	Slew =12.01	4R3	4	0	3,943,631	44:0
310	97	126	10:46:32.866	117GB105A106A4BU	7STRP	0.060072,0.0,0,0	Slew =,0.61	4R3	4	0	3,943,631	59:0
311	97	126	10:48:16.866	117GB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,943,633	33:0
312	97	126	10:48:55.533	176GB6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,943,634	00:0
313	97	126	10:48:57.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,943,634	03:0
314	97	126	10:48:57.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1052.92 +/-	4R3	4	0	3,943,634	03:0
315	97	126	10:48:58.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1053.04 +/-	4R3	4	0	3,943,634	05:1
316	97	126	10:49:04.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1054.27 +/-	4R3	4	0	3,943,634	13:0
317	97	126	10:49:05.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1054.33 +/-	4R3	4	0	3,943,634	14:8
318	97	126	10:49:06.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1054.21 +/-	4R3	4	0	3,943,634	16:9
319	97	126	10:49:07.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1054.04 +/-	4R3	4	0	3,943,634	18:0
320	97	126	10:49:29.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1048.89 +/-	4R3	4	0	3,943,634	51:0
321	97	126	10:49:29.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,943,634	51:0
322	97	126	10:49:30.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1048.83 +/-	4R3	4	0	3,943,634	52:8
323	97	126	10:54:43.533	165IA4A	7SCAN	NORM,266.939999,	Check S/P Position	4R3	4	0	3,943,639	67:0
324	97	126	10:57:04.866	118IA	**SMOS**	GS		4R3	4	0	3,943,642	06:0
325	97	126	10:57:36.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1048.83 +/-	4R3	4	0	3,943,642	53:0
326	97	126	10:57:36.200	175IA422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,943,642	53:0
327	97	126	10:57:37.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1048.95 +/-	4R3	4	0	3,943,642	55:1
328	97	126	10:57:42.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1050.18 +/-	4R3	4	0	3,943,642	63:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	97	126	10:57:44.066		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *1050.24 +/-	4R3	4	0	3,943,642:64:8	
330	97	126	10:57:44.866	165IA4B	7VECT		Inert vect update UTC	4R3	4	0	3,943,642:66:0	
331	97	126	10:57:47.533	175IA176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	3,943,642:70:0	
332	97	126	10:57:48.066		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 1043.94 +/-	4R3	4	0	3,943,642:70:8	
333	97	126	10:57:48.066		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *1043.94 +/-	4R3	4	0	3,943,642:70:8	
334	**97**	**126**	**10:57:48.200**	**G8CNVGRGAP01+**	**NIMPBK**	**301KC**	**SSI RIDE ALONG**	**4R3**	**4**	**0**	**: :**	
335	97	126	10:57:48.200	118IA110A111A4A	7STRP	0.0,-0.00747,46,	Slew =,3.51	4R3	4	0	3,943,642:71:0	
336	97	126	10:58:18.866	118IA110A111B4A	7STRP	0.00747,0.010021	Slew =,3.51	4R3	4	0	3,943,643:26:0	
337	97	126	10:58:34.200	118IA110A111B4B	7STRP	0.0,-0.00747,46,	Slew =,3.51	4R3	4	0	3,943,643:49:0	
338	97	126	10:59:04.866	118IA110A111C4A	7STRP	0.00747,0.015202	Slew =,3.51	4R3	4	0	3,943,644:04:0	
339	97	126	10:59:20.200	118IA110A111C4B	7STRP	0.0,-0.00747,46,	Slew =,3.51	4R3	4	0	3,943,644:27:0	
340	97	126	10:59:50.866	118IA110A111D4A	7STRP	0.00747,0.015202	Slew =,3.51	4R3	4	0	3,943,644:73:0	
341	97	126	11:00:06.200	118IA110A111D4B	7STRP	0.0,-0.00747,46,	Slew =,3.51	4R3	4	0	3,943,645:05:0	
342	97	126	11:00:36.866	118IA110A111E4A	7STRP	0.00747,0.014002	Slew =,3.51	4R3	4	0	3,943,645:51:0	
343	97	126	11:00:52.200	118IA110A111E4B	7STRP	0.0,-0.00747,46,	Slew =,3.51	4R3	4	0	3,943,645:74:0	
344	**97**	**126**	**11:01:20.200**	**G8CNVGRGAP01+**	**DESELC**	**300KC**	**SSI RIDE ALONG**	**4R3**	**4**	**0**	**: :**	
345	97	126	11:01:22.866	118IA11A	**SMOS**	GE		4R3	4	0	3,943,646:29:0	
346	97	126	11:01:30.200		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC * 263.00 +/-	4R3	4	0	3,943,646:40:0	
347	97	126	11:01:30.200	175IA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,943,646:40:0	
348	97	126	11:01:31.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 262.00 +/-	4R3	4	0	3,943,646:41:8	
349	97	126	11:03:49.533	488AI6C	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	4R3	4	0	3,943,648:67:0	
350	97	126	11:05:39.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 262.00 +/-	4R3	4	0	3,943,650:50:0	
351	97	126	11:05:39.533		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 262.00 +/-	4R3	4	0	3,943,650:50:0	
352	97	126	11:05:39.533	465KA6A	6DTRN	CMD,6DTRN,465KA6	DMS TRACK TURNAROUND	4R3	4	0	3,943,650:50:0	
353	97	126	11:05:40.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 262.12 +/-	4R3	4	0	3,943,650:52:1	
354	97	126	11:05:46.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 263.36 +/-	4R3	4	0	3,943,650:60:0	
355	97	126	11:05:47.400		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 263.42 +/-	4R3	4	0	3,943,650:61:8	
356	97	126	11:05:48.800		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 263.30 +/-	4R3	4	0	3,943,650:63:9	
357	97	126	11:10:19.333		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4R3	4	0	3,943,655:14:7	
358	97	126	11:10:20.533		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4R3	4	0	3,943,655:16:5	
359	97	126	11:10:20.533		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4R3	4	0	3,943,655:16:5	
360	97	126	11:10:21.933		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4R3	4	0	3,943,655:18:6	
361	97	126	11:10:33.933		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4R3	4	0	3,943,655:36:6	
362	97	126	11:10:35.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4R3	4	0	3,943,655:38:4	
363	**97**	**126**	**11:13:15.533**	**G8CNSPOLE 01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
364	97	126	11:14:11.533	165DC4A	7SCAN	NORM,278.352997,	Check S/P Position	4R3	4	0	3,943,658:90:0	
365	**97**	**126**	**11:16:08.866**	**127DC4A**	**37IOP**	**1,0**	**Full Map, Grating Start Position =00**	**4R1**	**4**	**0**	**3,943,660:84:0**	
366	97	126	11:16:08.866	127DC	NIMSTAB	GS	%%%%% GROUP START TAB	4R1	4	0	3,943,660:84:0	
367	**97**	**126**	**11:16:09.533**	**127DC4B**	**37ETB**		**Loads wavelength edit table**	**4R1**	**4**	**0**	**3,943,660:85:0**	
368	97	126	11:16:17.533	127DC11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R1	4	0	3,943,661:06:0	
369	97	126	11:17:14.866	175DC422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R1	4	0	3,943,662:01:0	
370	97	126	11:17:14.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4R1	4	0	3,943,662:01:0	
371	97	126	11:17:21.533		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 202.12 +/-	4R1	4	0	3,943,662:11:0	
372	97	126	11:17:22.866	175DC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R1	4	0	3,943,662:13:0	
373	97	126	11:17:22.933		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 202.24 +/-	4R1	4	0	3,943,662:13:1	
374	97	126	11:17:22.933		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 202.24 +/-	4R1	4	0	3,943,662:13:1	
375	97	126	11:18:13.533	165DC4B	7VECT		Inert vect update UTC	4R1	4	0	3,943,662:89:0	
376	97	126	11:18:14.866	117DC	**CSMOS**	GS	***** GROUP START CSMOS	4R1	4	0	3,943,663:00:0	
377	**97**	**126**	**11:18:24.200**	**G8CNSPOLE 01-**	**NIMPBK**	**301DC**	**CALLISTO SOUTH POLE OBSERVATION**	**4R1**	**4**	**0**	**: :**	
378	97	126	11:18:24.200	117DC105A106A4A	7STRP	-0.027507,0.0,0,	Slew =,0.06	4R1	4	0	3,943,663:14:0	
379	97	126	11:26:05.533	117DC105A106A4B	7STRP	0.030009,-0.005,	Slew =12.01	4R1	4	0	3,943,670:69:0	
380	97	126	11:26:12.200	117DC105A106A4C	7STRP	-0.027507,0.0,0,	Slew =,0.06	4R1	4	0	3,943,670:79:0	
381	**97**	**126**	**11:28:19.533**	**G8CNSPOLE 01-**	**NIMPBK**	**301FR**	**CALLISTO SOUTH POLE OBSERVATION**	**4R1**	**4**	**0**	**: :**	
382	**97**	**126**	**11:28:24.200**	**G8CNSPOLE 01-**	**DESELC**	**300DC**	**CALLISTO SOUTH POLE OBSERVATION**	**4R1**	**4**	**0**	**: :**	
383	97	126	11:33:53.533	117DC105A106A4D	7STRP	0.030009,-0.005,	Slew =12.01	4R1	4	0	3,943,678:43:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	97	126	11:34:00.200	117DC105A106A4E	7STRP	-0.027507,0.0,0,	Slew =,0.06	4R1	4	0	3,943,678:53:0	
385	**97**	**126**	**11:38:14.200**	**G8CNSPOLE 01-**	**NIMPBK**	**301EZ**	**CALLISTO SOUTH POLE OBSERVATION**	**4R1**	**4**	**0**	**: :**	
386	**97**	**126**	**11:38:19.533**	**G8CNSPOLE 01-**	**DESELC**	**300FR**	**CALLISTO SOUTH POLE OBSERVATION**	**4R1**	**4**	**0**	**: :**	
387	97	126	11:41:41.533	117DC105A106A4F	7STRP	0.030009,-0.005,	Slew =12.01	4R1	4	0	3,943,686:17:0	
388	97	126	11:41:48.200	117DC105A106A4G	7STRP	-0.027507,0.0,0,	Slew =,0.06	4R1	4	0	3,943,686:27:0	
389	**97**	**126**	**11:49:29.533**	**G8CNSPOLE 01-**	**DESELC**	**300EZ**	**CALLISTO SOUTH POLE OBSERVATION**	**4R1**	**4**	**0**	**: :**	
390	97	126	11:49:29.533	117DC11A	**CSMOS**	GE	***** GROUP END CSMOS	4R1	4	0	3,943,693:82:0	
391	97	126	11:50:35.533	165GC4A	7SCAN	NORM,294.938,19.	Check S/P Position	4R1	4	0	3,943,694:90:0	
392	97	126	11:52:35.533	175DC422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R1	4	0	3,943,696:88:0	
393	97	126	11:52:35.533	175DC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R1	4	0	3,943,696:88:0	
394	97	126	11:52:35.533		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 697.38 +/-	4R1	4	0	3,943,696:88:0	
395	97	126	11:52:36.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 697.44 +/-	4R1	4	0	3,943,696:89:8	
396	97	126	11:54:29.533	117GC	**CSMOS**	GS	***** GROUP START CSMOS	4R1	4	0	3,943,698:77:0	
397	97	126	11:54:37.533	165GC4B	7VECT		Inert vect update UTC	4R1	4	0	3,943,698:89:0	
398	97	126	11:54:38.866	176GC6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R1	4	0	3,943,699:00:0	
399	97	126	11:54:38.866	117GC105A106A4A	7STRP	-0.0038,0.034031	Slew =,0.08	4R1	4	0	3,943,699:00:0	
400	**97**	**126**	**11:54:42.867**	**G8CNSPOLE 01-**		**-----STOP-------**		**4R1**	**4**	**0**	**: :**	
401	97	126	12:05:27.533	176GC6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R1	4	0	3,943,709:63:0	
402	97	126	12:05:29.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R1	4	0	3,943,709:66:0	
403	97	126	12:05:29.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 697.44 +/-	4R1	4	0	3,943,709:66:0	
404	97	126	12:05:36.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 697.44 +/-	4R1	4	0	3,943,709:76:0	
405	97	126	12:05:37.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC * 697.56 +/-	4R1	4	0	3,943,709:78:1	
406	97	126	12:05:38.866	117GC11A	**CSMOS**	GE	***** GROUP END CSMOS	4R1	4	0	3,943,709:80:0	
407	97	126	12:05:39.533		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 698.02 +/-	4R1	4	0	3,943,709:81:0	
408	97	126	12:05:56.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R1	4	0	3,943,710:16:0	
409	97	126	12:05:56.866		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 702.08 +/-	4R1	4	0	3,943,710:16:0	
410	97	126	12:05:58.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 702.14 +/-	4R1	4	0	3,943,710:17:8	
411	97	126	12:06:30.866	165IB4A	7SCAN	NORM,308.603996,	Check S/P Position	4R1	4	0	3,943,710:67:0	
412	97	126	12:07:46.200	165IB4B	7VECT		Inert vect update UTC	4R1	4	0	3,943,711:89:0	
413	97	126	12:07:51.533	118IB	**SMOS**	GS		4R1	4	0	3,943,712:06:0	
414	97	126	12:08:24.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 702.14 +/-	4R1	4	0	3,943,712:55:0	
415	97	126	12:08:24.200	175IB422A6A	6DMSC	R115,1	DMS Control	4R1	4	0	3,943,712:55:0	
416	97	126	12:08:30.866		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 702.14 +/-	4R1	4	0	3,943,712:65:0	
417	97	126	12:08:34.200	175IB176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R1	4	0	3,943,712:70:0	
418	97	126	12:08:34.866	118IB110A111A4A	7STRP	-0.00747,0.0,46,	Slew =,3.51	4R1	4	0	3,943,712:71:0	
419	97	126	12:08:34.866		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 708.44 +/-	4R1	4	0	3,943,712:71:0	
420	97	126	12:08:34.866		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC * 708.44 +/-	4R1	4	0	3,943,712:71:0	
421	**97**	**126**	**12:09:04.866**	**G8CNSPOLAR01+**	**NIMPBK**	**301KD**	**CALLISTO SOUTH POLE RIDE ALONG**	**4R1**	**4**	**0**	**: :**	
422	97	126	12:09:05.533	118IB110A111B4A	7STRP	0.016702,-0.0074	Slew =,4.01	4R1	4	0	3,943,713:26:0	
423	97	126	12:09:20.866	118IB110A111B4B	7STRP	-0.00747,0.0,46,	Slew =,3.51	4R1	4	0	3,943,713:49:0	
424	97	126	12:10:06.866	118IB110A111C4A	7STRP	0.023604,-0.0074	Slew =,4.01	4R1	4	0	3,943,714:27:0	
425	97	126	12:10:22.200	118IB110A111C4B	7STRP	-0.00747,0.0,46,	Slew =,3.51	4R1	4	0	3,943,714:50:0	
426	97	126	12:10:52.866	118IB110A111D4A	7STRP	0.016001,-0.0074	Slew =,4.01	4R1	4	0	3,943,715:05:0	
427	**97**	**126**	**12:10:53.533**	**G8CNBURI 01-**		**-----START------**		**4R1**	**4**	**0**	**: :**	
428	97	126	12:11:08.200	118IB110A111D4B	7STRP	-0.00747,0.0,46,	Slew =,3.51	4R1	4	0	3,943,715:28:0	
429	**97**	**126**	**12:11:38.866**	**G8CNSPOLAR01+**	**DESELC**	**300KD**	**CALLISTO SOUTH POLE RIDE ALONG**	**4R1**	**4**	**0**	**: :**	
430	97	126	12:11:38.866	118IB11A	**SMOS**	GE		4R1	4	0	3,943,715:74:0	
431	97	126	12:11:49.533	165DD4A	7SCAN	NORM,312.334999,	Check S/P Position	4R1	4	0	3,943,715:90:0	
432	97	126	12:11:50.200	175IB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R1	4	0	3,943,716:00:0	
433	97	126	12:11:50.200		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *1395.16 +/-	4R1	4	0	3,943,716:00:0	
434	97	126	12:11:51.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1396.16 +/-	4R1	4	0	3,943,716:01:8	
435	97	126	12:13:30.200	488AI6D	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4R1	4	0	3,943,717:59:0	
436	**97**	**126**	**12:14:47.533**	**127DD4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,943,718:84:0**	
437	97	126	12:14:47.533	127DD	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,943,718:84:0	
438	**97**	**126**	**12:14:48.200**	**127DD4B**	**37ETB**	**07,C7,02,00,E0,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,943,718:85:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	97	126	12:14:56.200	127DD11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,943,719:06:0	
440	97	126	12:15:41.533	175DD422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	3,943,719:74:0	
441	97	126	12:15:41.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1396.16 +/-	4R3	4	0	3,943,719:74:0	
442	97	126	12:15:43.533	117DD	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,943,719:77:0	
443	97	126	12:15:48.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1396.16 +/-	4R3	4	0	3,943,719:84:0	
444	97	126	12:15:49.533	175DD176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,943,719:86:0	
445	97	126	12:15:49.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1396.28 +/-	4R3	4	0	3,943,719:86:1	
446	97	126	12:15:49.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1396.28 +/-	4R3	4	0	3,943,719:86:1	
447	97	126	12:15:51.533	165DD4B	7VECT		Inert vect update UTC	4R3	4	0	3,943,719:89:0	
448	97	126	12:15:52.866	117DD105A106A4A	7STRP	0.0095,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,943,720:00:0	
449	**97**	**126**	**12:15:52.866**	**G8CNBURI 01-**	**NIMPBK**	**301DD**	**BURI CRATER COVERAGE**	**4R3**	**4**	**0**	**: :**	
450	97	126	12:21:10.866	117DD105A106A4B	7STRP	-0.011501,0.0120	Slew =12.01	4R3	4	0	3,943,725:22:0	
451	97	126	12:21:21.533	117DD105A106A4C	7STRP	0.0095,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,943,725:38:0	
452	**97**	**126**	**12:26:38.866**	**G8CNBURI 01-**	**DESELC**	**300DD**	**BURI CRATER COVERAGE**	**4R3**	**4**	**0**	**: :**	
453	97	126	12:26:39.533	117DD11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,943,730:60:0	
454	97	126	12:26:40.866	175DD422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,943,730:62:0	
455	97	126	12:26:40.866	175DD6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,943,730:62:0	
456	97	126	12:26:40.866		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1548.92 +/-	4R3	4	0	3,943,730:62:0	
457	97	126	12:26:42.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1548.98 +/-	4R3	4	0	3,943,730:63:8	
458	97	126	12:26:59.533	165DE4A	7SCAN	NORM,324.984997,	Check S/P Position	4R3	4	0	3,943,730:90:0	
459	**97**	**126**	**12:27:04.199**	**G8CNADLIND01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
460	**97**	**126**	**12:27:04.199**	**G8CNBURI 01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
461	97	126	12:30:51.533	175DE422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	3,943,734:74:0	
462	97	126	12:30:51.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1548.98 +/-	4R3	4	0	3,943,734:74:0	
463	97	126	12:30:53.533	117DE	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,943,734:77:0	
464	97	126	12:30:58.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1548.98 +/-	4R3	4	0	3,943,734:84:0	
465	97	126	12:30:59.533	175DE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,943,734:86:0	
466	97	126	12:30:59.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1549.10 +/-	4R3	4	0	3,943,734:86:1	
467	97	126	12:30:59.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1549.10 +/-	4R3	4	0	3,943,734:86:1	
468	97	126	12:31:01.533	165DE4B	7VECT		Inert vect update UTC	4R3	4	0	3,943,734:89:0	
469	97	126	12:31:02.866	117DE105A106A4A	7STRP	0.022004,0.0,0,0	Slew =,0.06	4R3	4	0	3,943,735:00:0	
470	**97**	**126**	**12:31:02.866**	**G8CNADLIND01-**	**NIMPBK**	**301DE**	**ADLINDA AREA COVERAGE**	**4R3**	**4**	**0**	**: :**	
471	97	126	12:37:10.866	117DE105A106A4B	7STRP	-0.025005,0.0110	Slew =12.01	4R3	4	0	3,943,741:06:0	
472	97	126	12:37:18.200	117DE105A106A4C	7STRP	0.022004,0.0,0,0	Slew =,0.06	4R3	4	0	3,943,741:17:0	
473	**97**	**126**	**12:40:22.200**	**G8CNADLIND01-**	**DESELC**	**300DE**	**ADLINDA AREA COVERAGE**	**4R3**	**4**	**0**	**: :**	
474	**97**	**126**	**12:40:22.866**	**G8CNADLIND01-**	**NIMPBK**	**301FS**	**ADLINDA AREA COVERAGE**	**4R3**	**4**	**0**	**: :**	
475	97	126	12:43:26.200	117DE105A106A4D	7STRP	-0.025005,0.0110	Slew =12.01	4R3	4	0	3,943,747:23:0	
476	97	126	12:43:33.533	117DE105A106A4E	7STRP	0.022004,0.0,0,0	Slew =,0.06	4R3	4	0	3,943,747:34:0	
477	97	126	12:46:11.533	431YL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	3,943,749:89:0	
478	97	126	12:49:21.533	20YC6A	6HICON			4R3	4	0	3,943,753:10:0	
479	**97**	**126**	**12:49:39.533**	**G8CNADLIND01-**	**DESELC**	**300FS**	**ADLINDA AREA COVERAGE**	**4R3**	**4**	**0**	**: :**	
480	97	126	12:49:41.533		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1812.05 +/-	4R3	4	0	3,943,753:40:0	
481	97	126	12:49:41.533	175DE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,943,753:40:0	
482	97	126	12:49:41.533	117DE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,943,753:40:0	
483	97	126	12:49:41.533	175DE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,943,753:40:0	
484	97	126	12:49:42.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *1812.11 +/-	4R3	4	0	3,943,753:41:8	
485	97	126	12:50:15.533	431YM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4R3	4	0	3,943,754:00:0	
486	**97**	**126**	**12:53:21.533**	**G8CNADLIND01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
487	97	126	12:55:22.866	20OZ6A	6HICON			4R3	4	0	3,943,759:06:0	
488	97	126	12:58:20.200	165GD4A	7SCAN	NORM,348.140999,	Check S/P Position	4R3	4	0	3,943,761:90:0	
489	97	126	13:00:09.533	432OU6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,943,763:72:0	
490	97	126	13:00:11.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1812.11 +/-	4R3	4	0	3,943,763:75:0	
491	97	126	13:00:11.533	175TC422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	3,943,763:75:0	
492	97	126	13:00:12.866	117GD	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,943,763:77:0	
493	97	126	13:00:18.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 1812.11 +/-	4R3	4	0	3,943,763:85:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	97	126	13:00:19.533	175TC176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	3,943,763:87:0	
495	97	126	13:00:19.533	282NC431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	4R3	4	0	3,943,763:87:0	
496	97	126	13:00:19.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 1812.23 +/-	4R3	4	0	3,943,763:87:1	
497	97	126	13:00:19.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *1812.23 +/-	4R3	4	0	3,943,763:87:1	
498	97	126	13:00:20.866	165GD4B	7VECT		Inert vect update UTC	4R3	4	0	3,943,763:89:0	
499	97	126	13:00:22.200	431OA6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4R3	4	0	3,943,764:00:0	
500	97	126	13:00:22.200	117GD105A106A4A	7STRP	0.017002,-0.0314	Slew =0,0.1	4R3	4	0	3,943,764:00:0	
501	97	126	13:04:24.200	428JA6A	6RCCLR			4R3	4	0	3,943,767:90:0	
502	97	126	13:04:24.866	428JA6B	6RCSET	12		4R3	4	0	3,943,768:00:0	
503	97	126	13:06:34.200	117GD11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,943,770:12:0	
504	97	126	13:08:26.866	165IC4A	7SCAN	NORM,352.907997,	Check S/P Position	4R3	4	0	3,943,771:90:0	
505	97	126	13:09:20.200	118IC	**SMOS**	GS		4R3	4	0	3,943,772:79:0	
506	97	126	13:09:23.533		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *1939.72 +/-	4R3	4	0	3,943,772:84:0	
507	97	126	13:09:23.533	175IC422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	3,943,772:84:0	
508	97	126	13:09:24.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC *1939.78 +/-	4R3	4	0	3,943,772:85:8	
509	97	126	13:09:26.866	165IC4B	7VECT		Inert vect update UTC	4R3	4	0	3,943,772:89:0	
510	97	126	13:09:28.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *1946.08 +/-	4R3	4	0	3,943,773:00:8	
511	97	126	13:09:28.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 1946.08 +/-	4R3	4	0	3,943,773:00:8	
512	97	126	13:09:28.866	175IC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	3,943,773:01:0	
513	**97**	**126**	**13:09:30.200**	**G8CNADLNDA01+**	**NIMPBK**	**301KE**	**ADLINDA RIDE ALONG**	**4R3**	**4**	**0**	**: :**	
514	97	126	13:09:30.200	118IC110A111A4A	7STRP	0.0,-0.00747,46,	Slew =,3.51	4R3	4	0	3,943,773:03:0	
515	97	126	13:10:00.866	118IC110A111A4B	7STRP	0.00747,0.014941	Slew =,4.01	4R3	4	0	3,943,773:49:0	
516	97	126	13:10:16.200	118IC110A111A4C	7STRP	0.0,-0.00747,46,	Slew =,3.51	4R3	4	0	3,943,773:72:0	
517	97	126	13:10:28.200	428JB6A	6RCCLR			4R3	4	0	3,943,773:90:0	
518	97	126	13:10:28.866	428JB6B	6RCSET	8		4R3	4	0	3,943,774:00:0	
519	97	126	13:10:46.866	118IC110A111A4D	7STRP	0.00747,0.014941	Slew =,4.01	4R3	4	0	3,943,774:27:0	
520	97	126	13:11:02.200	118IC110A111A4E	7STRP	0.0,-0.00747,46,	Slew =,3.51	4R3	4	0	3,943,774:50:0	
521	97	126	13:11:32.866	118IC110A111A4F	7STRP	0.00747,0.014941	Slew =,4.01	4R3	4	0	3,943,775:05:0	
522	97	126	13:11:48.200	118IC110A111A4G	7STRP	0.0,-0.00747,46,	Slew =,3.51	4R3	4	0	3,943,775:28:0	
523	97	126	13:12:18.866	118IC11A	**SMOS**	GE		4R3	4	0	3,943,775:74:0	
524	**97**	**126**	**13:12:18.866**	**G8CNADLNDA01+**	**DESELC**	**300KE**	**ADLINDA AREA RIDE ALONG**	**4R3**	**4**	**0**	**: :**	
525	97	126	13:12:30.200	175TD422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	3,943,776:00:0	
526	97	126	13:12:30.200		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *2584.04 +/-	4R3	4	0	3,943,776:00:0	
527	97	126	13:12:31.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *2585.04 +/-	4R3	4	0	3,943,776:01:8	
528	97	126	13:12:32.800		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2585.16 +/-	4R3	4	0	3,943,776:03:9	
529	97	126	13:12:32.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2585.16 +/-	4R3	4	0	3,943,776:03:9	
530	97	126	13:12:32.866	175TD176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	3,943,776:04:0	
531	97	126	13:13:30.200	165AA4A	7SCAN	NORM,213.601,-16	Check S/P Position	4R3	4	0	3,943,776:90:0	
532	97	126	13:36:45.533	165GE4A	7SCAN	NORM,8.331,29.18	Check S/P Position	4R3	4	0	3,943,799:90:0	
533	97	126	13:39:38.866	117GE	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,943,802:77:0	
534	97	126	13:39:46.866	165GE4B	7VECT		Inert vect update UTC	4R3	4	0	3,943,802:89:0	
535	97	126	13:39:48.200	117GE105A106A4A	7STRP	0.04503,0.0,0,0,	Slew =,0.41	4R3	4	0	3,943,803:00:0	
536	97	126	13:41:41.533	117GE105A106A4B	7STRP	-0.04503,-0.0015	Slew =12.01	4R3	4	0	3,943,804:79:0	
537	97	126	13:41:51.533	117GE105A106A4C	7STRP	0.04503,0.0,0,0,	Slew =,0.41	4R3	4	0	3,943,805:03:0	
538	97	126	13:43:44.866	117GE105A106A4D	7STRP	-0.04503,-0.0015	Slew =12.01	4R3	4	0	3,943,806:82:0	
539	97	126	13:43:54.866	117GE105A106A4E	7STRP	0.04503,0.0,0,0,	Slew =,0.41	4R3	4	0	3,943,807:06:0	
540	97	126	13:45:48.200	117GE105A106A4F	7STRP	-0.04503,-0.0015	Slew =12.01	4R3	4	0	3,943,808:85:0	
541	97	126	13:45:58.200	117GE105A106A4G	7STRP	0.04503,0.0,0,0,	Slew =,0.41	4R3	4	0	3,943,809:09:0	
542	97	126	13:47:51.533	117GE105A106A4H	7STRP	-0.04503,-0.0015	Slew =12.01	4R3	4	0	3,943,810:88:0	
543	97	126	13:48:01.533	117GE105A106A4I	7STRP	0.04503,0.0,0,0,	Slew =,0.41	4R3	4	0	3,943,811:12:0	
544	97	126	13:49:54.866	117GE105A106A4J	7STRP	-0.04503,-0.0015	Slew =12.01	4R3	4	0	3,943,813:00:0	
545	97	126	13:50:04.866	117GE105A106A4K	7STRP	0.04503,0.0,0,0,	Slew =,0.41	4R3	4	0	3,943,813:15:0	
546	97	126	13:51:58.200	117GE105A106A4L	7STRP	-0.04503,-0.0015	Slew =12.01	4R3	4	0	3,943,815:03:0	
547	97	126	13:52:08.200	117GE105A106A4M	7STRP	0.04503,0.0,0,0,	Slew =,0.41	4R3	4	0	3,943,815:18:0	
548	97	126	13:54:01.533	117GE105A106A4N	7STRP	-0.04503,-0.0015	Slew =12.01	4R3	4	0	3,943,817:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	97	126	13:54:11.533	117GE105A106A4O	7STRP	0.04503,0.0,0,0,	Slew =,0.41	4R3	4	0	3,943,817	21:0
550	97	126	13:56:04.866	117GE105A106A4P	7STRP	-0.04503,-0.0015	Slew =12.01	4R3	4	0	3,943,819	09:0
551	97	126	13:56:14.866	117GE105A106A4Q	7STRP	0.04503,0.0,0,0,	Slew =,0.41	4R3	4	0	3,943,819	24:0
552	97	126	13:58:08.200	117GE105A106A4R	7STRP	-0.04503,-0.0015	Slew =12.01	4R3	4	0	3,943,821	12:0
553	97	126	13:58:18.200	117GE105A106A4S	7STRP	0.04503,0.0,0,0,	Slew =,0.41	4R3	4	0	3,943,821	27:0
554	97	126	14:00:11.533	117GE105A106A4T	7STRP	-0.04503,-0.0015	Slew =12.01	4R3	4	0	3,943,823	15:0
555	97	126	14:00:21.533	117GE105A106A4U	7STRP	0.04503,0.0,0,0,	Slew =,0.41	4R3	4	0	3,943,823	30:0
556	97	126	14:02:14.866	117GE105A106A4V	7STRP	-0.04503,-0.0015	Slew =12.01	4R3	4	0	3,943,825	18:0
557	97	126	14:02:24.866	117GE105A106A4W	7STRP	0.04503,0.0,0,0,	Slew =,0.41	4R3	4	0	3,943,825	33:0
558	97	126	14:04:18.200	117GE105A106A4X	7STRP	-0.04503,-0.0015	Slew =12.01	4R3	4	0	3,943,827	21:0
559	97	126	14:04:28.200	117GE105A106A4Y	7STRP	0.04503,0.0,0,0,	Slew =,0.41	4R3	4	0	3,943,827	36:0
560	97	126	14:06:21.533	117GE105A106A4Z	7STRP	-0.04503,-0.0015	Slew =12.01	4R3	4	0	3,943,829	24:0
561	97	126	14:06:31.533	117GE105A106A4AA	7STRP	0.04503,0.0,0,0,	Slew =,0.41	4R3	4	0	3,943,829	39:0
562	97	126	14:08:24.866	117GE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,943,831	27:0
563	97	126	14:08:42.200	488AI6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	3,943,831	53:0
564	97	126	14:10:08.200	428JC6A	6RCCLR			4R3	4	0	3,943,833	00:0
565	97	126	14:33:22.866	165AF4A	7SCAN	NORM,219.699999,	Check S/P Position	4R3	4	0	3,943,855	90:0
566	97	126	14:37:16.866	117AB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,943,859	77:0
567	97	126	14:37:26.200	117AB105A106A4A	7STRP	-0.179904,0.0,0,	Slew =0,0.1	4R3	4	0	3,943,860	00:0
568	97	126	15:07:42.200	117AB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,943,889	85:0
569	97	126	15:07:45.533	165CE4A	7SCAN	NORM,228.532,-19	Check S/P Position	4R3	4	0	3,943,889	90:0
570	97	126	15:09:49.533	175TD422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,943,892	03:0
571	97	126	15:09:49.533	432OA431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	3,943,892	03:0
572	97	126	15:09:49.533		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4234.40 +/-	4R3	4	0	3,943,892	03:0
573	97	126	15:09:50.200	432OA6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,943,892	04:0
574	97	126	15:09:50.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4234.46 +/-	4R3	4	0	3,943,892	04:8
575	97	126	15:09:53.533	282ND431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	3,943,892	09:0
576	97	126	15:10:42.200	282ND432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R3	4	0	3,943,892	82:0
577	97	126	15:10:42.866	282ND432A6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,943,892	83:0
578	97	126	15:26:34.200	488AJ6A	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4R3	4	0	3,943,908	54:0
579	97	126	15:55:40.866	488AJ6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	3,943,937	35:0
580	97	126	15:57:32.200	165IN4A	7SCAN	NORM,229.408998,	Check S/P Position	4R3	4	0	3,943,939	20:0
581	97	126	15:59:18.866	165IN4B	7VECT		Inert vect update UTC	4R3	4	0	3,943,940	89:0
582	97	126	15:59:20.200	118IN	**SMOS**	GS		4R3	4	0	3,943,941	00:0
583	97	126	15:59:30.200	118IN110A111A4A	7STRP	0.00245,0.0,92,0	Slew =,1.21	4R3	4	0	3,943,941	15:0
584	97	126	16:00:31.533	118IN11A	**SMOS**	GE		4R3	4	0	3,943,942	16:0
585	97	126	16:00:44.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4234.46 +/-	4R3	4	0	3,943,942	35:0
586	97	126	16:00:44.200	175IN422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	3,943,942	35:0
587	97	126	16:00:50.866		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4234.46 +/-	4R3	4	0	3,943,942	45:0
588	97	126	16:00:54.200	175IN176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	3,943,942	50:0
589	97	126	16:00:54.866		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4240.76 +/-	4R3	4	0	3,943,942	51:0
590	97	126	16:00:54.866		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4240.76 +/-	4R3	4	0	3,943,942	51:0
591	97	126	16:01:21.533		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4334.51 +/-	4R3	4	0	3,943,943	00:0
592	97	126	16:01:21.533	175IN422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,943,943	00:0
593	97	126	16:01:22.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4335.51 +/-	4R3	4	0	3,943,943	01:8
594	97	126	16:03:54.200	488AJ6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4R3	4	0	3,943,945	47:0
595	97	126	16:07:21.533	165IX4A	7SCAN	NORM,30.679,24.8	Check S/P Position	4R3	4	0	3,943,948	85:0
596	97	126	16:10:18.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4335.51 +/-	4R3	4	0	3,943,951	77:0
597	97	126	16:10:18.200	175IX422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	3,943,951	77:0
598	97	126	16:10:24.866		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4335.51 +/-	4R3	4	0	3,943,951	87:0
599	97	126	16:10:26.200	165IX4B	7VECT		Inert vect update UTC	4R3	4	0	3,943,951	89:0
600	97	126	16:10:28.200	175IX176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	3,943,952	01:0
601	97	126	16:10:28.866		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4341.81 +/-	4R3	4	0	3,943,952	02:0
602	97	126	16:10:28.866		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4341.81 +/-	4R3	4	0	3,943,952	02:0
603	97	126	16:10:34.200	175IX422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,943,952	10:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	97	126	16:10:34.200		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4360.56 +/-	4R3	4	0	3,943,952:10:0	
605	97	126	16:10:35.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4361.56 +/-	4R3	4	0	3,943,952:11:8	
606	97	126	16:10:48.866	175IY422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	3,943,952:32:0	
607	97	126	16:10:48.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4361.56 +/-	4R3	4	0	3,943,952:32:0	
608	97	126	16:10:55.533		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4361.56 +/-	4R3	4	0	3,943,952:42:0	
609	97	126	16:10:58.866	175IY176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	3,943,952:47:0	
610	97	126	16:10:59.533		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4367.86 +/-	4R3	4	0	3,943,952:48:0	
611	97	126	16:10:59.533		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4367.86 +/-	4R3	4	0	3,943,952:48:0	
612	97	126	16:11:04.866	175IY422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,943,952:56:0	
613	97	126	16:11:04.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4386.61 +/-	4R3	4	0	3,943,952:56:0	
614	97	126	16:11:06.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4387.61 +/-	4R3	4	0	3,943,952:57:8	
615	97	126	16:11:18.866	175IZ422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	3,943,952:77:0	
616	97	126	16:11:18.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4387.61 +/-	4R3	4	0	3,943,952:77:0	
617	97	126	16:11:25.533		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4387.61 +/-	4R3	4	0	3,943,952:87:0	
618	97	126	16:11:28.866	175IZ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	3,943,953:01:0	
619	97	126	16:11:29.533		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4393.91 +/-	4R3	4	0	3,943,953:02:0	
620	97	126	16:11:29.533		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4393.91 +/-	4R3	4	0	3,943,953:02:0	
621	97	126	16:11:34.866	175IZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,943,953:10:0	
622	97	126	16:11:34.866		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *4412.66 +/-	4R3	4	0	3,943,953:10:0	
623	97	126	16:11:36.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4413.66 +/-	4R3	4	0	3,943,953:11:8	
624	97	126	16:12:24.200	165HX4A	7SCAN	NORM,32.15,23.88	Check S/P Position	4R3	4	0	3,943,953:84:0	
625	97	126	16:15:21.533	117HX	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,943,956:77:0	
626	97	126	16:15:30.866	117HX105A106A4A	7STRP	0.020003,0.0,0,0	Slew =,0.41	4R3	4	0	3,943,957:00:0	
627	97	126	16:15:30.866	176HX6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,943,957:00:0	
628	97	126	16:16:24.866	117HX105A106A4B	7STRP	-0.020853,-0.001	Slew =12.01	4R3	4	0	3,943,957:81:0	
629	97	126	16:16:32.200	117HX105A106A4C	7STRP	0.020003,0.0,0,0	Slew =,0.41	4R3	4	0	3,943,958:01:0	
630	97	126	16:17:26.200	117HX105A106A4D	7STRP	-0.020853,-0.001	Slew =12.01	4R3	4	0	3,943,958:82:0	
631	97	126	16:17:33.533	117HX105A106A4E	7STRP	0.020003,0.0,0,0	Slew =,0.41	4R3	4	0	3,943,959:02:0	
632	97	126	16:18:27.533	117HX105A106A4F	7STRP	-0.020853,-0.001	Slew =12.01	4R3	4	0	3,943,959:83:0	
633	97	126	16:18:34.866	117HX105A106A4G	7STRP	0.020003,0.0,0,0	Slew =,0.41	4R3	4	0	3,943,960:03:0	
634	97	126	16:19:28.866	117HX105A106A4H	7STRP	-0.020853,-0.001	Slew =12.01	4R3	4	0	3,943,960:84:0	
635	97	126	16:19:36.200	117HX105A106A4I	7STRP	0.020003,0.0,0,0	Slew =,0.41	4R3	4	0	3,943,961:04:0	
636	97	126	16:20:30.200	117HX105A106A4J	7STRP	-0.020853,-0.001	Slew =12.01	4R3	4	0	3,943,961:85:0	
637	97	126	16:20:37.533	117HX105A106A4K	7STRP	0.020003,0.0,0,0	Slew =,0.41	4R3	4	0	3,943,962:05:0	
638	97	126	16:21:31.533	117HX105A106A4L	7STRP	-0.020853,-0.001	Slew =12.01	4R3	4	0	3,943,962:86:0	
639	97	126	16:21:38.866	117HX105A106A4M	7STRP	0.020003,0.0,0,0	Slew =,0.41	4R3	4	0	3,943,963:06:0	
640	97	126	16:22:32.866	117HX105A106A4N	7STRP	-0.020853,-0.001	Slew =12.01	4R3	4	0	3,943,963:87:0	
641	97	126	16:22:40.200	117HX105A106A4O	7STRP	0.020003,0.0,0,0	Slew =,0.41	4R3	4	0	3,943,964:07:0	
642	97	126	16:23:34.200	117HX105A106A4P	7STRP	-0.020853,-0.001	Slew =12.01	4R3	4	0	3,943,964:88:0	
643	97	126	16:23:41.533	117HX105A106A4Q	7STRP	0.020003,0.0,0,0	Slew =,0.41	4R3	4	0	3,943,965:08:0	
644	97	126	16:24:35.533	117HX11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,943,965:89:0	
645	97	126	16:25:22.866	176HX6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,943,966:69:0	
646	97	126	16:25:24.866		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4413.66 +/-	4R3	4	0	3,943,966:72:0	
647	97	126	16:25:24.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,943,966:72:0	
648	97	126	16:25:31.533		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 4413.66 +/-	4R3	4	0	3,943,966:82:0	
649	97	126	16:25:32.933		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *4413.78 +/-	4R3	4	0	3,943,966:84:1	
650	97	126	16:25:34.866		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4414.23 +/-	4R3	4	0	3,943,966:87:0	
651	97	126	16:25:51.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,943,967:21:0	
652	97	126	16:25:51.533		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4418.14 +/-	4R3	4	0	3,943,967:21:0	
653	97	126	16:25:52.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4418.20 +/-	4R3	4	0	3,943,967:22:8	
654	97	126	16:48:46.866	165CF4A	7SCAN	NORM,231.021,-20	Check S/P Position	4R3	4	0	3,943,989:82:0	
655	97	126	17:00:00.200	481UC4A	7VECT	BB2	Inert vect update UTC	4R3	4	0	3,944,001:00:0	
656	97	126	17:17:10.866	165CG4A	7SCAN	NORM,231.639,-20	Check S/P Position	4R3	4	0	3,944,017:90:0	
657	**97**	**126**	**17:43:32.800**	**G8INTHRMAL01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
658	97	126	17:44:28.866	165DG4A	7SCAN	NORM,232.025,-20	Check S/P Position	4R3	4	0	3,944,044:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	97	126	17:46:26.200	127DG	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,944,046:84:0	
660	**97**	**126**	**17:46:26.866**	**127DG4A**	**37ETB**	**07,C7,02,01,05,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,944,046:85:0**	
661	97	126	17:46:34.866	127DG11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,944,047:06:0	
662	97	126	17:47:20.200	175DG422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	3,944,047:74:0	
663	97	126	17:47:20.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4418.20 +/-	4R3	4	0	3,944,047:74:0	
664	97	126	17:47:22.200	117DG	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,944,047:77:0	
665	97	126	17:47:26.866		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 4418.20 +/-	4R3	4	0	3,944,047:84:0	
666	97	126	17:47:28.200	175DG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,944,047:86:0	
667	97	126	17:47:28.266		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4418.32 +/-	4R3	4	0	3,944,047:86:1	
668	97	126	17:47:28.266		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4418.32 +/-	4R3	4	0	3,944,047:86:1	
669	97	126	17:47:31.533	117DG105A106A4A	7STRP	-0.00065,0.0,0,0	Slew =,0.02	4R3	4	0	3,944,048:00:0	
670	**97**	**126**	**17:47:31.533**	**G8INTHRMAL01-**	**NIMPBK**	**301DF**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
671	**97**	**126**	**17:48:05.533**	**G8INTHRMAL01-**	**DESELC**	**300DF**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
672	97	126	17:48:06.200	117DG11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,944,048:52:0	
673	97	126	17:48:07.533	175DG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,944,048:54:0	
674	97	126	17:48:07.533	175DG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,944,048:54:0	
675	97	126	17:48:07.533		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4427.52 +/-	4R3	4	0	3,944,048:54:0	
676	97	126	17:48:08.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4427.58 +/-	4R3	4	0	3,944,048:55:8	
677	**97**	**126**	**17:48:36.133**	**G8INTHRMAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
678	**97**	**126**	**17:51:38.199**	**G8CNGLOBAL02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
679	97	126	17:52:34.200	165DF4A	7SCAN	NORM,36.303,23.4	Check S/P Position	4R3	4	0	3,944,052:90:0	
680	97	126	17:55:32.200	127DF	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,944,055:84:0	
681	**97**	**126**	**17:55:32.866**	**127DF4A**	**37ETB**	**07,C7,02,00,E0,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,944,055:85:0**	
682	97	126	17:55:40.866	127DF11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,944,056:06:0	
683	97	126	17:56:26.200	175DF422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	3,944,056:74:0	
684	97	126	17:56:26.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4427.58 +/-	4R3	4	0	3,944,056:74:0	
685	97	126	17:56:28.200	117DF	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,944,056:77:0	
686	97	126	17:56:32.866		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 4427.58 +/-	4R3	4	0	3,944,056:84:0	
687	97	126	17:56:34.200	175DF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,944,056:86:0	
688	97	126	17:56:34.266		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4427.70 +/-	4R3	4	0	3,944,056:86:1	
689	97	126	17:56:34.266		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4427.70 +/-	4R3	4	0	3,944,056:86:1	
690	97	126	17:56:37.533	117DF105A106A4A	7STRP	0.012001,0.0,0,0	Slew =,0.03	4R3	4	0	3,944,057:00:0	
691	**97**	**126**	**17:56:37.533**	**G8CNGLOBAL02-**	**NIMPBK**	**301DG**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
692	97	126	18:03:20.200	117DF105A106A4B	7STRP	-0.015501,0.0120	Slew =12.01	4R3	4	0	3,944,063:58:0	
693	**97**	**126**	**18:03:28.200**	**G8CNGLOBAL02-**	**NIMPBK**	**301FT**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
694	97	126	18:03:30.200	117DF105A106A4C	7STRP	0.012001,0.0,0,0	Slew =,0.03	4R3	4	0	3,944,063:73:0	
695	**97**	**126**	**18:03:37.533**	**G8CNGLOBAL02-**	**DESELC**	**300DG**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
696	97	126	18:05:30.200	488AJ6D	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	3,944,065:71:0	
697	97	126	18:10:12.866	117DF105A106A4D	7STRP	-0.015501,0.0120	Slew =12.01	4R3	4	0	3,944,070:40:0	
698	**97**	**126**	**18:10:18.200**	**G8CNGLOBAL02-**	**NIMPBK**	**301EW**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
699	97	126	18:10:22.866	117DF105A106A4E	7STRP	0.012001,0.0,0,0	Slew =,0.03	4R3	4	0	3,944,070:55:0	
700	**97**	**126**	**18:10:28.200**	**G8CNGLOBAL02-**	**DESELC**	**300FT**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
701	97	126	18:17:05.533	117DF11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,944,077:22:0	
702	**97**	**126**	**18:17:05.533**	**G8CNGLOBAL02-**	**DESELC**	**300EW**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
703	97	126	18:17:42.200	165CH4A	7SCAN	NORM,232.775999,	Check S/P Position	4R3	4	0	3,944,077:77:0	
704	97	126	18:30:00.866	175DF422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,944,090:02:0	
705	97	126	18:30:00.866	175DF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,944,090:02:0	
706	97	126	18:30:00.866		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4898.00 +/-	4R3	4	0	3,944,090:02:0	
707	97	126	18:30:02.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4898.06 +/-	4R3	4	0	3,944,090:03:8	
708	**97**	**126**	**18:30:03.533**	**G8CNGLOBAL02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
709	97	126	18:41:36.866	165CJ4A	7SCAN	NORM,233.171,-20	Check S/P Position	4R3	4	0	3,944,101:45:0	
710	97	126	19:04:52.200	165CK4A	7SCAN	NORM,233.646999,	Check S/P Position	4R3	4	0	3,944,124:45:0	
711	97	126	19:05:21.533	165CK4B	7VECT		Inert vect update UTC	4R3	4	0	3,944,124:89:0	
712	97	126	19:45:48.866	165CL4A	7SCAN	NORM,234.056,-20	Check S/P Position	4R3	4	0	3,944,164:90:0	
713	97	126	19:46:48.866	165CL4B	7VECT		Inert vect update UTC	4R3	4	0	3,944,165:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	97	126	20:27:46.866	165CM4A	7SCAN	NORM,234.042,-20	Check S/P Position	4R3	4	0	3,944,206:45:0	
715	97	126	20:28:16.200	165CM4B	7VECT		Inert vect update UTC	4R3	4	0	3,944,206:89:0	
716	97	126	20:50:00.200	20OA6A	6HICON			4R3	4	0	3,944,228:43:0	
717	97	126	20:55:00.200	432OG6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,944,233:38:0	
718	97	126	21:08:43.533	165CN4A	7SCAN	NORM,234.178999,	Check S/P Position	4R3	4	0	3,944,246:90:0	
719	97	126	21:09:43.533	165CN4B	7VECT		Inert vect update UTC	4R3	4	0	3,944,247:89:0	
720	97	126	21:51:11.533	165AB4A	7SCAN	NORM,223.153999,	Check S/P Position	4R3	4	0	3,944,288:90:0	
721	97	126	22:23:32.866	165AC4A	7SCAN	NORM,223.660999,	Check S/P Position	4R3	4	0	3,944,320:90:0	
722	**97**	**126**	**22:45:43.533**	**125DH4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**3,944,342:84:0**	
723	97	126	22:45:43.533	125DH11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,944,342:84:0	
724	97	126	22:45:43.533	125DH	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,944,342:84:0	
725	97	126	22:46:44.200	127DH	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,944,343:84:0	
726	**97**	**126**	**22:46:44.866**	**127DH4A**	**37ETB**	**07,C7,02,05,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,944,343:85:0**	
727	97	126	22:46:52.866	127DH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,944,344:06:0	
728	97	126	22:46:54.866	165DH4A	7SCAN	NORM,234.640999,	Check S/P Position	2R3	4	0	3,944,344:09:0	
729	97	126	22:47:38.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4898.06 +/-	2R3	4	0	3,944,344:74:0	
730	97	126	22:47:38.200	175DH422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R3	4	0	3,944,344:74:0	
731	97	126	22:47:40.200	117DH	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,944,344:77:0	
732	97	126	22:47:44.866		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 4898.06 +/-	2R3	4	0	3,944,344:84:0	
733	97	126	22:47:46.200	175DH176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,944,344:86:0	
734	97	126	22:47:46.266		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4898.18 +/-	2R3	4	0	3,944,344:86:1	
735	97	126	22:47:46.266		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4898.18 +/-	2R3	4	0	3,944,344:86:1	
736	**97**	**126**	**22:47:49.533**	**G8INCHEMIS01-**	**NIMPBK**	**301DH**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
737	97	126	22:47:49.533	117DH105A106A4A	7STRP	-0.0017,0.0,0,0,	Slew =,0.03	2R3	4	0	3,944,345:00:0	
738	97	126	22:48:45.533	127DI	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,944,345:84:0	
739	97	126	22:48:45.533	125DI11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,944,345:84:0	
740	97	126	22:48:45.533	125DI	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,944,345:84:0	
741	**97**	**126**	**22:48:45.533**	**125DI4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**3,944,345:84:0**	
742	**97**	**126**	**22:48:46.200**	**127DI4A**	**37ETB**	**07,C7,02,01,05,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,944,345:85:0**	
743	**97**	**126**	**22:48:46.866**	**G8INCHEMIS01-**	**DESELC**	**300DH**	**MONITORING OF IO'S DAYSIDE**	**4R3**	**4**	**0**	**: :**	
744	97	126	22:48:47.533	117DH11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,944,345:87:0	
745	97	126	22:48:48.866		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4912.85 +/-	4R3	4	0	3,944,345:89:0	
746	97	126	22:48:48.866	175DH422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,944,345:89:0	
747	97	126	22:48:48.866	175DH6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,944,345:89:0	
748	97	126	22:48:49.533	165DI4A	7SCAN	NORM,234.700998,	Check S/P Position	4R3	4	0	3,944,345:90:0	
749	97	126	22:48:50.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4912.91 +/-	4R3	4	0	3,944,345:90:8	
750	97	126	22:48:54.200	127DI11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,944,346:06:0	
751	97	126	22:49:39.533		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4912.91 +/-	4R3	4	0	3,944,346:74:0	
752	97	126	22:49:39.533	175DI422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	3,944,346:74:0	
753	97	126	22:49:41.533	117DI	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,944,346:77:0	
754	97	126	22:49:46.200		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 4912.91 +/-	4R3	4	0	3,944,346:84:0	
755	97	126	22:49:47.533	175DI176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,944,346:86:0	
756	97	126	22:49:47.600		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4913.03 +/-	4R3	4	0	3,944,346:86:1	
757	97	126	22:49:47.600		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4913.03 +/-	4R3	4	0	3,944,346:86:1	
758	97	126	22:49:50.866	117DI105A106A4A	7STRP	-0.0014,0.0,0,0,	Slew =,0.03	4R3	4	0	3,944,347:00:0	
759	**97**	**126**	**22:49:50.866**	**G8INTHRMAL02-**	**NIMPBK**	**301DI**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
760	**97**	**126**	**22:50:38.200**	**G8INTHRMAL02-**	**DESELC**	**300DI**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
761	97	126	22:50:38.866	117DI11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,944,347:72:0	
762	97	126	22:50:40.200	175DI6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,944,347:74:0	
763	97	126	22:50:40.200		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4925.36 +/-	4R3	4	0	3,944,347:74:0	
764	97	126	22:50:40.200	175DI422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,944,347:74:0	
765	97	126	22:50:41.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4925.42 +/-	4R3	4	0	3,944,347:75:8	
766	97	126	22:51:34.866	165IO4A	7SCAN	NORM,234.425999,	Check S/P Position	4R3	4	0	3,944,348:65:0	
767	97	126	22:51:56.200	118IO	**SMOS**	GS		4R3	4	0	3,944,349:06:0	
768	97	126	22:52:26.200	118IO110A111A4A	7STRP	0.00325,0.0,96,0	Slew =,1.05	4R3	4	0	3,944,349:51:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	97	126	22:53:30.200	118IO11A	**SMOS**	GE		4R3	4	0	3,944,350:56:0	
770	97	126	22:53:46.200		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 4925.42 +/-	4R3	4	0	3,944,350:80:0	
771	97	126	22:53:46.200	175IO422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	3,944,350:80:0	
772	97	126	22:53:52.866		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 4925.42 +/-	4R3	4	0	3,944,350:90:0	
773	97	126	22:53:56.200	175IO176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	3,944,351:04:0	
774	97	126	22:53:56.866		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 4931.72 +/-	4R3	4	0	3,944,351:05:0	
775	97	126	22:53:56.866		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *4931.72 +/-	4R3	4	0	3,944,351:05:0	
776	97	126	22:54:24.200	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,944,351:46:0	
777	97	126	22:54:24.200		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5027.81 +/-	4R3	4	0	3,944,351:46:0	
778	97	126	22:54:25.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5028.81 +/-	4R3	4	0	3,944,351:47:8	
779	**97**	**126**	**22:54:58.133**	**G8INCHEMIS01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
780	97	126	22:55:54.200	165AD4A	7SCAN	NORM,224.177999,	Check S/P Position	4R3	4	0	3,944,352:90:0	
781	**97**	**126**	**22:59:00.800**	**G8INCHEMIS01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
782	**97**	**126**	**22:59:00.800**	**G8INTHRMAL02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
783	**97**	**126**	**23:01:02.133**	**G8INTHRMAL02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
784	97	126	23:34:15.533	125KZ	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,944,390:84:0	
785	**97**	**126**	**23:34:15.533**	**125KZ4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,944,390:84:0**	
786	97	126	23:35:16.200	125KZ11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,944,391:84:0	
787	**97**	**126**	**23:35:16.200**	**125KZ4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**3,944,391:84:0**	
788	97	126	23:36:16.866	127KZ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,944,392:84:0	
789	**97**	**126**	**23:36:17.533**	**127KZ4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,944,392:85:0**	
790	97	126	23:36:25.533	127KZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,944,393:06:0	
791	97	126	23:37:21.533	165AE4A	7SCAN	NORM,224.688999,	Check S/P Position	2R3	4	0	3,944,393:90:0	
792	97	126	23:39:14.200	117AA	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,944,395:77:0	
793	97	126	23:39:23.533	117AA105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R3	4	0	3,944,396:00:0	
794	97	127	00:01:46.200	488AK6A	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	2R3	4	0	3,944,418:12:0	
795	97	127	00:08:42.866	117AA105A106A4B	7STRP	0.0105,0.0,0,0,0	Slew =12.01	2R3	4	0	3,944,425:00:0	
796	97	127	00:09:43.533	117AA105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R3	4	0	3,944,426:00:0	
797	97	127	00:16:43.533	125KY	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,944,432:84:0	
798	97	127	00:16:43.533	125KY11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,944,432:84:0	
799	**97**	**127**	**00:16:43.533**	**125KY4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**3,944,432:84:0**	
800	97	127	00:39:02.800	117AA105A106A4D	7STRP	0.0105,0.0,0,0,0	Slew =12.01	2R3	4	0	3,944,455:00:0	
801	97	127	00:40:03.466	117AA105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	2R3	4	0	3,944,456:00:0	
802	97	127	01:09:22.800	117AA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,944,485:00:0	
803	97	127	01:15:38.133	165JB4A	7SCAN	NORM,221.060999,	Check S/P Position	2R3	4	0	3,944,491:17:0	
804	97	127	01:16:02.800	175JB422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	3,944,491:54:0	
805	97	127	01:16:02.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5028.81 +/-	2R3	4	0	3,944,491:54:0	
806	97	127	01:16:09.466		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5028.81 +/-	2R3	4	0	3,944,491:64:0	
807	97	127	01:16:12.800	175JB176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	3,944,491:69:0	
808	97	127	01:16:13.466		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5035.11 +/-	2R3	4	0	3,944,491:70:0	
809	97	127	01:16:13.466		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5035.11 +/-	2R3	4	0	3,944,491:70:0	
810	97	127	01:16:18.133		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5051.52 +/-	2R3	4	0	3,944,491:77:0	
811	97	127	01:16:18.133	175JB422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,944,491:77:0	
812	97	127	01:16:19.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5052.52 +/-	2R3	4	0	3,944,491:78:8	
813	97	127	01:16:26.133	488AK6B	6TMSED	NORM,EL2	Sci, Eng, and D/L Chan	2R3	4	0	3,944,491:89:0	
814	97	127	01:32:31.466	488AK6C	6TMSED	FILL,EL2	Sci, Eng, and D/L Chan	2R3	4	0	3,944,507:81:0	
815	97	127	01:44:45.466	165CT4A	7SCAN	NORM,231.869999,	Check S/P Position	2R3	4	0	3,944,519:90:0	
816	97	127	01:46:18.133	488AK6D	6TMSED	FILL,EL1	Sci, Eng, and D/L Chan	2R3	4	0	3,944,521:47:0	
817	97	127	02:15:49.466	165IL4A	7SCAN	NORM,223.799,-19	Check S/P Position	2R3	4	0	3,944,550:65:0	
818	97	127	02:17:11.466	118IL	**SMOS**	GS		2R3	4	0	3,944,552:06:0	
819	97	127	02:17:28.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5052.52 +/-	2R3	4	0	3,944,552:32:0	
820	97	127	02:17:28.800	175IL422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	3,944,552:32:0	
821	97	127	02:17:35.466		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5052.52 +/-	2R3	4	0	3,944,552:42:0	
822	97	127	02:17:38.800	175IL176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	3,944,552:47:0	
823	97	127	02:17:39.466		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5058.82 +/-	2R3	4	0	3,944,552:48:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	97	127	02:17:39.466		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5058.82 +/-	2R3	4	0	3,944,552:48:0	
825	97	127	02:17:40.133	118IL110A111A4A	7STRP	0.0073,0.0,46,0,	Slew =,3.51	2R3	4	0	3,944,552:49:0	
826	97	127	02:17:55.466	118IL110A111B4A	7STRP	-0.0058,-0.0073,	Slew =,3.51	2R3	4	0	3,944,552:72:0	
827	97	127	02:18:10.800	118IL110A111B4B	7STRP	0.0073,0.0,46,0,	Slew =,3.51	2R3	4	0	3,944,553:04:0	
828	97	127	02:18:26.133	118IL110A111C4A	7STRP	-0.0048,-0.0073,	Slew =,3.51	2R3	4	0	3,944,553:27:0	
829	97	127	02:18:41.466	118IL110A111C4B	7STRP	0.0073,0.0,46,0,	Slew =,3.51	2R3	4	0	3,944,553:50:0	
830	97	127	02:18:56.800	118IL110A111D4A	7STRP	-0.0028,-0.0073,	Slew =,3.51	2R3	4	0	3,944,553:73:0	
831	97	127	02:19:12.133	118IL110A111D4B	7STRP	0.0073,0.0,46,0,	Slew =,3.51	2R3	4	0	3,944,554:05:0	
832	97	127	02:19:27.466	118IL110A111E4A	7STRP	0.0,-0.0073,0,0,	Slew =,3.51	2R3	4	0	3,944,554:28:0	
833	97	127	02:19:38.133	488AK6E	6TMSED	NORM,EL1	Sci, Eng, and D/L Chan	2R3	4	0	3,944,554:44:0	
834	97	127	02:19:42.800	118IL110A111E4B	7STRP	0.0073,0.0,46,0,	Slew =,3.51	2R3	4	0	3,944,554:51:0	
835	97	127	02:19:58.133	118IL11A	**SMOS**	GE		2R3	4	0	3,944,554:74:0	
836	97	127	02:20:09.466	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,944,555:00:0	
837	97	127	02:20:09.466		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5586.16 +/-	2R3	4	0	3,944,555:00:0	
838	97	127	02:20:10.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5587.16 +/-	2R3	4	0	3,944,555:01:8	
839	97	127	02:20:28.800	488AL6A	6TMSED	FILL,EL1	Sci, Eng, and D/L Chan	2R3	4	0	3,944,555:29:0	
840	**97**	**127**	**02:37:24.800**	**G8INCHEMIS02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
841	97	127	02:38:20.800	165DJ4A	7SCAN	NORM,230.853998,	Check S/P Position	2R3	4	0	3,944,572:90:0	
842	97	127	02:40:18.133	127DJ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,944,574:84:0	
843	**97**	**127**	**02:40:18.800**	**127DJ4A**	**37ETB**	**07,C7,02,05,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,944,574:85:0**	
844	97	127	02:40:26.800	127DJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,944,575:06:0	
845	97	127	02:41:12.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5587.16 +/-	2R3	4	0	3,944,575:74:0	
846	97	127	02:41:12.133	175DJ422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R3	4	0	3,944,575:74:0	
847	97	127	02:41:14.133	117DJ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,944,575:77:0	
848	97	127	02:41:18.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5587.16 +/-	2R3	4	0	3,944,575:84:0	
849	97	127	02:41:20.133	175DJ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,944,575:86:0	
850	97	127	02:41:20.200		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5587.28 +/-	2R3	4	0	3,944,575:86:1	
851	97	127	02:41:20.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5587.28 +/-	2R3	4	0	3,944,575:86:1	
852	**97**	**127**	**02:41:23.466**	**G8INCHEMIS02-**	**NIMPBK**	**301DJ**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
853	97	127	02:41:23.466	117DJ105A106A4A	7STRP	-0.0023,0.0,0,0,	Slew =,0.04	2R3	4	0	3,944,576:00:0	
854	**97**	**127**	**02:42:22.800**	**G8INCHEMIS02-**	**DESELC**	**300DJ**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
855	97	127	02:42:23.466	117DJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,944,576:90:0	
856	97	127	02:42:24.800	175DJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,944,577:01:0	
857	97	127	02:42:24.800	175DJ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,944,577:01:0	
858	97	127	02:42:24.800		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5602.42 +/-	2R3	4	0	3,944,577:01:0	
859	97	127	02:42:26.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5602.48 +/-	2R3	4	0	3,944,577:02:8	
860	**97**	**127**	**02:43:28.800**	**G8INCHEMIS02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
861	97	127	02:47:45.466	165JC4A	7SCAN	NORM,222.153999,	Check S/P Position	2R3	4	0	3,944,582:27:0	
862	97	127	02:48:04.133	175JC422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	3,944,582:55:0	
863	97	127	02:48:04.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5602.48 +/-	2R3	4	0	3,944,582:55:0	
864	97	127	02:48:10.800		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5602.48 +/-	2R3	4	0	3,944,582:65:0	
865	97	127	02:48:14.133	175JC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R3	4	0	3,944,582:70:0	
866	97	127	02:48:14.800		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5608.78 +/-	2R3	4	0	3,944,582:71:0	
867	97	127	02:48:14.800		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5608.78 +/-	2R3	4	0	3,944,582:71:0	
868	97	127	02:48:24.133		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5641.60 +/-	2R3	4	0	3,944,582:85:0	
869	97	127	02:48:24.133	175JC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,944,582:85:0	
870	97	127	02:48:25.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5642.60 +/-	2R3	4	0	3,944,582:86:8	
871	97	127	02:49:28.133	165AG4A	7SCAN	NORM,224.598999,	Check S/P Position	2R3	4	0	3,944,583:90:0	
872	**97**	**127**	**03:09:46.133**	**G8INTHRMAL03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
873	**97**	**127**	**03:13:40.133**	**125DL4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**3,944,607:84:0**	
874	97	127	03:13:40.133	125DL	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,944,607:84:0	
875	97	127	03:13:40.133	125DL11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,944,607:84:0	
876	97	127	03:13:44.133	165DL4A	7SCAN	NORM,229.886,-19	Check S/P Position	4R3	4	0	3,944,607:90:0	
877	97	127	03:14:40.800	127DL	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,944,608:84:0	
878	**97**	**127**	**03:14:41.466**	**127DL4A**	**37ETB**	**07,C7,02,01,05,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,944,608:85:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	97	127	03:14:49.466	127DL11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,944,609:06:0	
880	97	127	03:15:34.800	175DL422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	3,944,609:74:0	
881	97	127	03:15:34.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5642.60 +/-	4R3	4	0	3,944,609:74:0	
882	97	127	03:15:36.800	117DL	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,944,609:77:0	
883	97	127	03:15:41.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5642.60 +/-	4R3	4	0	3,944,609:84:0	
884	97	127	03:15:42.800	175DL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,944,609:86:0	
885	97	127	03:15:42.866		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5642.72 +/-	4R3	4	0	3,944,609:86:1	
886	97	127	03:15:42.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5642.72 +/-	4R3	4	0	3,944,609:86:1	
887	97	127	03:15:46.133	117DL105A106A4A	7STRP	0.001,0.0,0,0,0,	Slew =,0.02	4R3	4	0	3,944,610:00:0	
888	**97**	**127**	**03:15:46.133**	**G8INTHRMAL03-**	**NIMPBK**	**301DK**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
889	**97**	**127**	**03:16:36.133**	**G8INTHRMAL03-**	**DESELC**	**300DK**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
890	97	127	03:16:37.466	117DL11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,944,610:77:0	
891	97	127	03:16:38.800		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5655.82 +/-	4R3	4	0	3,944,610:79:0	
892	97	127	03:16:38.800	175DL422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,944,610:79:0	
893	97	127	03:16:38.800	175DL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,944,610:79:0	
894	97	127	03:16:40.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5655.88 +/-	4R3	4	0	3,944,610:80:8	
895	97	127	03:16:42.133	125DM11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,944,610:84:0	
896	**97**	**127**	**03:16:42.133**	**125DM4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**3,944,610:84:0**	
897	97	127	03:16:42.133	127DM	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,944,610:84:0	
898	97	127	03:16:42.133	125DM	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,944,610:84:0	
899	**97**	**127**	**03:16:42.800**	**G8INTHRMAL03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
900	**97**	**127**	**03:16:42.800**	**127DM4A**	**37ETB**	**07,C7,02,05,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,944,610:85:0**	
901	**97**	**127**	**03:16:42.800**	**G8INCHEMIS03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
902	97	127	03:16:46.133	165DM4A	7SCAN	NORM,229.719999,	Check S/P Position	2R3	4	0	3,944,610:90:0	
903	97	127	03:16:50.800	127DM11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,944,611:06:0	
904	97	127	03:17:36.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5655.88 +/-	2R3	4	0	3,944,611:74:0	
905	97	127	03:17:36.133	175DM422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R3	4	0	3,944,611:74:0	
906	97	127	03:17:38.133	117DM	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,944,611:77:0	
907	97	127	03:17:42.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5655.88 +/-	2R3	4	0	3,944,611:84:0	
908	97	127	03:17:44.133	175DM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,944,611:86:0	
909	97	127	03:17:44.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5656.00 +/-	2R3	4	0	3,944,611:86:1	
910	97	127	03:17:44.200		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5656.00 +/-	2R3	4	0	3,944,611:86:1	
911	97	127	03:17:47.466	117DM105A106A4A	7STRP	0.00128,0.0,0,0,	Slew =,0.02	2R3	4	0	3,944,612:00:0	
912	**97**	**127**	**03:17:47.466**	**G8INCHEMIS03-**	**NIMPBK**	**301DL**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
913	**97**	**127**	**03:18:52.133**	**G8INCHEMIS03-**	**DESELC**	**300DL**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
914	97	127	03:18:52.800	117DM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,944,613:07:0	
915	97	127	03:18:54.133	175DM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,944,613:09:0	
916	97	127	03:18:54.133		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5672.40 +/-	2R3	4	0	3,944,613:09:0	
917	97	127	03:18:54.133	175DM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,944,613:09:0	
918	97	127	03:18:55.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5672.46 +/-	2R3	4	0	3,944,613:10:8	
919	**97**	**127**	**03:19:52.800**	**G8INCHEMIS03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
920	97	127	03:21:49.466	165AH4A	7SCAN	NORM,226.5,-20.8	Check S/P Position	2R3	4	0	3,944,615:90:0	
921	97	127	03:33:58.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5672.46 +/-	2R3	4	0	3,944,628:00:0	
922	97	127	03:33:58.133	411JE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,944,628:00:0	
923	97	127	03:34:04.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5672.46 +/-	2R3	4	0	3,944,628:10:0	
924	97	127	03:34:06.200		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5672.58 +/-	2R3	4	0	3,944,628:12:1	
925	97	127	03:34:06.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5672.58 +/-	2R3	4	0	3,944,628:12:1	
926	97	127	03:34:08.133	411JE6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	3,944,628:15:0	
927	97	127	03:36:09.466	411JE6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,944,630:15:0	
928	97	127	03:36:10.133	411JE6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,944,630:16:0	
929	97	127	03:36:10.133		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5701.62 +/-	2R3	4	0	3,944,630:16:0	
930	97	127	03:36:11.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5701.68 +/-	2R3	4	0	3,944,630:17:8	
931	**97**	**127**	**03:40:06.067**	**G8NNHNDARK02-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
932	97	127	03:44:04.133	165DK4A	7SCAN	NORM,232.0,76.0,	Check S/P Position	2R3	4	0	3,944,637:90:0	
933	97	127	03:45:00.800	127DK	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,944,638:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	**97**	**127**	**03:45:01.466**	**127DK4A**	**37ETB**	**07,C7,05,FF,FF,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,944,638:85:0**	
935	97	127	03:45:09.466	127DK11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,944,639:06:0	
936	97	127	03:45:54.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5701.68 +/-	2R3	4	0	3,944,639:74:0	
937	97	127	03:45:54.800	175DK422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	2R3	4	0	3,944,639:74:0	
938	97	127	03:46:01.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5701.68 +/-	2R3	4	0	3,944,639:84:0	
939	97	127	03:46:02.800	175DK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,944,639:86:0	
940	97	127	03:46:02.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5701.80 +/-	2R3	4	0	3,944,639:86:1	
941	97	127	03:46:02.866		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5701.80 +/-	2R3	4	0	3,944,639:86:1	
942	**97**	**127**	**03:46:06.133**	**G8HNDARK__02-**	**NIMPBK**	**301DM**	**NIMS DARK OBSERVATION**	**2R3**	**4**	**0**	**: :**	
943	**97**	**127**	**03:47:06.133**	**G8HNDARK__02-**	**DESELC**	**300DM**	**NIMS DARK OBSERVATION**	**2R3**	**4**	**0**	**: :**	
944	97	127	03:47:08.800	175DK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,944,641:03:0	
945	97	127	03:47:08.800	175DK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,944,641:03:0	
946	97	127	03:47:08.800		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5717.26 +/-	2R3	4	0	3,944,641:03:0	
947	97	127	03:47:10.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5717.32 +/-	2R3	4	0	3,944,641:04:8	
948	97	127	03:51:08.800	165AI4A	7SCAN	NORM,227.428999,	Check S/P Position	2R3	4	0	3,944,644:90:0	
949	**97**	**127**	**03:51:13.400**	**G8NNHNDARK02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
950	97	127	04:02:50.133	488AL6B	6TMSED	FILL,EL2	Sci, Eng, and D/L Chan	2R3	4	0	3,944,656:50:0	
951	97	127	04:15:02.800	488AL6C	6TMSED	NORM,EL2	Sci, Eng, and D/L Chan	2R3	4	0	3,944,668:57:0	
952	97	127	04:22:29.466	165AJ4A	7SCAN	NORM,228.264999,	Check S/P Position	2R3	4	0	3,944,675:90:0	
953	97	127	04:52:49.466	165AK4A	7SCAN	NORM,229.113998,	Check S/P Position	2R3	4	0	3,944,705:90:0	
954	97	127	05:23:09.466	165AL4A	7SCAN	NORM,230.066,-18	Check S/P Position	2R3	4	0	3,944,735:90:0	
955	97	127	06:03:00.133	488BA6A	6TMSED	NORM,EL2	Sci, Eng, and D/L Chan	2R3	4	0	3,944,775:36:0	
956	97	127	06:04:20.133	165IR4A	7SCAN	NORM,224.219999,	Check S/P Position	2R3	4	0	3,944,776:65:0	
957	97	127	06:07:43.466	118IR	**SMOS**	GS		2R3	4	0	3,944,780:06:0	
958	97	127	06:08:13.466	118IR110A111A4A	7STRP	0.0023,0.0,92,0,	Slew =,0.89	2R3	4	0	3,944,780:51:0	
959	97	127	06:09:03.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5717.32 +/-	2R3	4	0	3,944,781:35:0	
960	97	127	06:09:03.466	175IR422A6A	6DMSC	R115,1	DMS Control	2R3	4	0	3,944,781:35:0	
961	97	127	06:09:10.133		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5717.32 +/-	2R3	4	0	3,944,781:45:0	
962	97	127	06:09:13.466	175IR176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	3,944,781:50:0	
963	97	127	06:09:14.133		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5723.62 +/-	2R3	4	0	3,944,781:51:0	
964	97	127	06:09:14.133		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5723.62 +/-	2R3	4	0	3,944,781:51:0	
965	97	127	06:09:14.800	118IR11A	**SMOS**	GE		2R3	4	0	3,944,781:52:0	
966	97	127	06:09:40.133	165AM4A	7SCAN	NORM,232.658998,	Check S/P Position	2R3	4	0	3,944,781:90:0	
967	97	127	06:09:40.800	175IR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,944,782:00:0	
968	97	127	06:09:40.800		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5817.37 +/-	2R3	4	0	3,944,782:00:0	
969	97	127	06:09:42.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5818.37 +/-	2R3	4	0	3,944,782:01:8	
970	97	127	06:40:00.133	165AN4A	7SCAN	NORM,233.390999,	Check S/P Position	2R3	4	0	3,944,811:90:0	
971	97	127	06:51:08.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5818.37 +/-	2R3	4	0	3,944,823:00:0	
972	97	127	06:51:08.133	411JF6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,944,823:00:0	
973	97	127	06:51:14.800		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5818.37 +/-	2R3	4	0	3,944,823:10:0	
974	97	127	06:51:16.200		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5818.49 +/-	2R3	4	0	3,944,823:12:1	
975	97	127	06:51:16.200		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5818.49 +/-	2R3	4	0	3,944,823:12:1	
976	97	127	06:51:18.133	411JF6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R3	4	0	3,944,823:15:0	
977	97	127	06:53:19.466	411JF6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,944,825:15:0	
978	97	127	06:53:20.133	411JF6D	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,944,825:16:0	
979	97	127	06:53:20.133		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5847.53 +/-	2R3	4	0	3,944,825:16:0	
980	97	127	06:53:21.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5847.59 +/-	2R3	4	0	3,944,825:17:8	
981	**97**	**127**	**07:14:27.467**	**G8INCHEMIS07-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
982	97	127	07:15:23.466	165DN4A	7SCAN	NORM,222.265999,	Check S/P Position	2R3	4	0	3,944,846:90:0	
983	97	127	07:16:20.133	125DN11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,944,847:84:0	
984	97	127	07:16:20.133	125DN	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,944,847:84:0	
985	**97**	**127**	**07:16:20.133**	**125DN4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**3,944,847:84:0**	
986	97	127	07:17:20.800	127DN	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,944,848:84:0	
987	**97**	**127**	**07:17:21.466**	**127DN4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,944,848:85:0**	
988	97	127	07:17:29.466	127DN11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,944,849:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	97	127	07:18:12.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5847.59 +/-	2R3	4	0	3,944,849:71:0	
990	97	127	07:18:12.800	175DN422A6A	6DMSC	R28,1	DMS Control	2R3	4	0	3,944,849:71:0	
991	97	127	07:18:16.800	117DN	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,944,849:77:0	
992	97	127	07:18:19.466		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC 5847.59 +/-	2R3	4	0	3,944,849:81:0	
993	97	127	07:18:22.800	175DN176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	3,944,849:86:0	
994	97	127	07:18:23.466		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 5849.09 +/-	2R3	4	0	3,944,849:87:0	
995	97	127	07:18:23.466		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *5849.09 +/-	2R3	4	0	3,944,849:87:0	
996	97	127	07:18:26.133	117DN105A106A4A	7STRP	0.0015,0.0,0,0,0	Slew =,0.02	2R3	4	0	3,944,850:00:0	
997	**97**	**127**	**07:18:26.133**	**G8INCHEMIS07-**	**NIMPBK**	**301DN**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
998	**97**	**127**	**07:19:42.133**	**G8INCHEMIS07-**	**DESELC**	**300DN**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
999	97	127	07:19:42.800	117DN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,944,851:24:0	
1000	97	127	07:19:44.133	175DN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,944,851:26:0	
1001	97	127	07:19:44.133		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *5919.99 +/-	2R3	4	0	3,944,851:26:0	
1002	97	127	07:19:45.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5920.29 +/-	2R3	4	0	3,944,851:27:8	
1003	**97**	**127**	**07:19:58.133**	**G8INCHEMIS07-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1004	97	127	07:20:26.800	165DO4A	7SCAN	NORM,222.23,-17.	Check S/P Position	2R3	4	0	3,944,851:90:0	
1005	**97**	**127**	**07:20:31.467**	**G8INTHRMAL07-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1006	97	127	07:22:24.133	125DO11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,944,853:84:0	
1007	**97**	**127**	**07:22:24.133**	**125DO4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**3,944,853:84:0**	
1008	97	127	07:22:24.133	125DO	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,944,853:84:0	
1009	97	127	07:23:24.800	127DO	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,944,854:84:0	
1010	**97**	**127**	**07:23:25.466**	**127DO4A**	**37ETB**	**07,C7,02,01,05,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,944,854:85:0**	
1011	97	127	07:23:33.466	127DO11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,944,855:06:0	
1012	97	127	07:24:18.800	175DO422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	3,944,855:74:0	
1013	97	127	07:24:18.800		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5920.29 +/-	4R3	4	0	3,944,855:74:0	
1014	97	127	07:24:20.800	117DO	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,944,855:77:0	
1015	97	127	07:24:25.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5920.29 +/-	4R3	4	0	3,944,855:84:0	
1016	97	127	07:24:26.800	175DO176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,944,855:86:0	
1017	97	127	07:24:26.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5920.41 +/-	4R3	4	0	3,944,855:86:1	
1018	97	127	07:24:26.866		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5920.41 +/-	4R3	4	0	3,944,855:86:1	
1019	**97**	**127**	**07:24:30.133**	**G8INTHRMAL07-**	**NIMPBK**	**301DO**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
1020	97	127	07:24:30.133	117DO105A106A4A	7STRP	0.00115,0.0,0,0,	Slew =,0.02	4R3	4	0	3,944,856:00:0	
1021	**97**	**127**	**07:25:28.133**	**G8INTHRMAL07-**	**DESELC**	**300DO**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
1022	97	127	07:25:29.466	117DO11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,944,856:89:0	
1023	97	127	07:25:30.800		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5935.39 +/-	4R3	4	0	3,944,857:00:0	
1024	97	127	07:25:30.800	175DO422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,944,857:00:0	
1025	97	127	07:25:30.800	175DO6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,944,857:00:0	
1026	97	127	07:25:32.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5935.45 +/-	4R3	4	0	3,944,857:01:8	
1027	**97**	**127**	**07:25:34.800**	**G8INVOLCAN01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1028	**97**	**127**	**07:25:34.800**	**G8INTHRMAL07-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1029	97	127	07:26:30.800	165DP4A	7SCAN	NORM,222.091,-17	Check S/P Position	4R3	4	0	3,944,857:90:0	
1030	97	127	07:27:27.466	127DP	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,944,858:84:0	
1031	**97**	**127**	**07:27:28.133**	**127DP4A**	**37ETB**	**07,C7,03,81,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,944,858:85:0**	
1032	97	127	07:27:36.133	127DP11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,944,859:06:0	
1033	97	127	07:28:21.466	175DP422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	3,944,859:74:0	
1034	97	127	07:28:21.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5935.45 +/-	4R3	4	0	3,944,859:74:0	
1035	97	127	07:28:23.466	117DP	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,944,859:77:0	
1036	97	127	07:28:28.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5935.45 +/-	4R3	4	0	3,944,859:84:0	
1037	97	127	07:28:29.466	175DP176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,944,859:86:0	
1038	97	127	07:28:29.533		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5935.57 +/-	4R3	4	0	3,944,859:86:1	
1039	97	127	07:28:29.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5935.57 +/-	4R3	4	0	3,944,859:86:1	
1040	97	127	07:28:32.800	117DP105A106A4A	7STRP	0.0011,0.0,0,0,0	Slew =,0.02	4R3	4	0	3,944,860:00:0	
1041	**97**	**127**	**07:28:32.800**	**G8INVOLCAN01-**	**NIMPBK**	**301DP**	**MONITORING OF SELECTED VOLCANIC**	**4R3**	**4**	**0**	**: :**	
1042	**97**	**127**	**07:29:28.800**	**G8INVOLCAN01-**	**DESELC**	**300DP**	**MONITORING OF SELECTED VOLCANIC**	**4R3**	**4**	**0**	**: :**	
1043	97	127	07:29:29.466	117DP11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,944,860:85:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	97	127	07:29:30.800	175DP422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,944,860	87:0
1045	97	127	07:29:30.800	175DP6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,944,860	87:0
1046	97	127	07:29:30.800		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5949.93 +/-	4R3	4	0	3,944,860	87:0
1047	97	127	07:29:32.000		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5949.99 +/-	4R3	4	0	3,944,860	88:8
1048	97	127	07:29:32.800	165BF4A	7SCAN	NORM,253.935999,	Check S/P Position	4R3	4	0	3,944,860	90:0
1049	**97**	**127**	**07:29:37.467**	**G8INVOLCAN01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1050	97	127	07:33:49.466	465KB6A	6DTRN	CMD,6DTRN,465KB6	DMS TRACK TURNAROUND	4R3	4	0	3,944,865	20:0
1051	97	127	07:33:49.466		DMS:	: *DMS-TURN	P7, TRACK 1, FWD, TIC 5949.99 +/-	4R3	4	0	3,944,865	20:0
1052	97	127	07:33:49.466		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5949.99 +/-	4R3	4	0	3,944,865	20:0
1053	97	127	07:33:56.133		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 5949.99 +/-	4R3	4	0	3,944,865	30:0
1054	97	127	07:33:57.533		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *5950.11 +/-	4R3	4	0	3,944,865	32:1
1055	97	127	07:39:28.200		DMS:	: *REVERSE	P7, TRACK 1, FWD, TIC *6027.63 +/-	4R3	4	0	3,944,870	73:1
1056	97	127	07:39:29.400		DMS:	: *TURNARND	P7, TRACK *2, *REV, TIC *6027.69 +/-	4R3	4	0	3,944,870	74:9
1057	97	127	07:39:29.400		DMS:	: *RUNUP	P7, TRACK 2, REV, TIC 6027.69 +/-	4R3	4	0	3,944,870	74:9
1058	97	127	07:39:30.800		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC *6027.57 +/-	4R3	4	0	3,944,870	77:0
1059	97	127	07:39:42.800		DMS:	: *AUTOSTOP	P7, TRACK 2, REV, TIC *6025.44 +/-	4R3	4	0	3,944,871	04:0
1060	97	127	07:39:44.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *6025.38 +/-	4R3	4	0	3,944,871	05:8
1061	97	127	07:54:29.466	165IP4A	7SCAN	NORM,221.247999,	Check S/P Position	4R3	4	0	3,944,885	60:0
1062	97	127	07:54:54.133	118IP	**SMOS**	GS		4R3	4	0	3,944,886	06:0
1063	97	127	07:55:24.133	118IP110A111A4A	7STRP	0.00234,0.0,92,0	Slew =,0.87	4R3	4	0	3,944,886	51:0
1064	97	127	07:56:12.800	175IP422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,944,887	33:0
1065	97	127	07:56:12.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 6025.38 +/-	4R3	4	0	3,944,887	33:0
1066	97	127	07:56:14.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6025.50 +/-	4R3	4	0	3,944,887	35:1
1067	97	127	07:56:19.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6026.73 +/-	4R3	4	0	3,944,887	43:0
1068	97	127	07:56:20.666		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *6026.79 +/-	4R3	4	0	3,944,887	44:8
1069	97	127	07:56:24.133	175IP176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	3,944,887	50:0
1070	97	127	07:56:24.666		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 6020.49 +/-	4R3	4	0	3,944,887	50:8
1071	97	127	07:56:24.666		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *6020.49 +/-	4R3	4	0	3,944,887	50:8
1072	97	127	07:56:25.466	118IP11A	**SMOS**	GE		4R3	4	0	3,944,887	52:0
1073	97	127	07:56:52.133	175IP422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,944,888	01:0
1074	97	127	07:56:52.133		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5923.93 +/-	4R3	4	0	3,944,888	01:0
1075	97	127	07:56:53.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5922.93 +/-	4R3	4	0	3,944,888	02:8
1076	97	127	07:59:52.800	165BR4A	7SCAN	NORM,253.935999,	Check S/P Position	4R3	4	0	3,944,890	90:0
1077	97	127	09:01:30.133	488BA6B	6TMSED	NORM,EL1	Sci, Eng, and D/L Chan	4R3	4	0	3,944,951	85:0
1078	97	127	09:45:02.133	165CI4A	7SCAN	NORM,240.851999,	Check S/P Position	4R3	4	0	3,944,994	90:0
1079	97	127	10:06:56.133	488BA6C	6TMSED	FILL,EL1	Sci, Eng, and D/L Chan	4R3	4	0	3,945,016	59:0
1080	97	127	10:14:22.133	411JG6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,945,024	00:0
1081	97	127	10:14:22.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5922.93 +/-	4R3	4	0	3,945,024	00:0
1082	97	127	10:14:23.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5923.05 +/-	4R3	4	0	3,945,024	02:1
1083	97	127	10:14:28.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5924.28 +/-	4R3	4	0	3,945,024	10:0
1084	97	127	10:14:30.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5924.34 +/-	4R3	4	0	3,945,024	11:8
1085	97	127	10:14:31.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5924.22 +/-	4R3	4	0	3,945,024	13:9
1086	97	127	10:14:31.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5924.22 +/-	4R3	4	0	3,945,024	13:9
1087	97	127	10:14:32.133	411JG6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	3,945,024	15:0
1088	97	127	10:16:33.466	411JG6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,945,026	15:0
1089	97	127	10:16:36.133	175TG176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	3,945,026	19:0
1090	97	127	10:16:36.800	175TG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,945,026	20:0
1091	97	127	10:16:43.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5893.27 +/-	4R3	4	0	3,945,026	30:0
1092	97	127	10:16:43.466	175TG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,945,026	30:0
1093	97	127	10:16:44.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5893.21 +/-	4R3	4	0	3,945,026	31:8
1094	**97**	**127**	**10:24:32.799**	**G8INVOLCAN02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1095	97	127	10:25:28.800	165DQ4A	7SCAN	NORM,219.132,-17	Check S/P Position	4R3	4	0	3,945,034	90:0
1096	97	127	10:28:58.133	488BA6D	6TMSED	FILL,EL2	Sci, Eng, and D/L Chan	4R3	4	0	3,945,038	40:0
1097	97	127	10:29:20.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5893.21 +/-	4R3	4	0	3,945,038	73:0
1098	97	127	10:29:20.133	175DQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,945,038	73:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	97	127	10:29:21.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5893.33 +/-	4R3	4	0	3,945,038:75:1	
1100	97	127	10:29:22.800	117DQ	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,945,038:77:0	
1101	97	127	10:29:26.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5894.56 +/-	4R3	4	0	3,945,038:83:0	
1102	97	127	10:29:28.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5894.62 +/-	4R3	4	0	3,945,038:84:8	
1103	97	127	10:29:28.800	175DQ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,945,038:86:0	
1104	97	127	10:29:29.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5894.50 +/-	4R3	4	0	3,945,038:86:9	
1105	97	127	10:29:29.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5894.50 +/-	4R3	4	0	3,945,038:86:9	
1106	**97**	**127**	**10:29:32.133**	**G8INVOLCAN02-**	**NIMPBK**	**301DQ**	**MONITORING OF SELECTED VOLCANIC**	**4R3**	**4**	**0**	**: :**	
1107	97	127	10:29:32.133	117DQ105A106A4A	7STRP	0.0014,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,945,039:00:0	
1108	**97**	**127**	**10:30:22.800**	**G8INVOLCAN02-**	**DESELC**	**300DQ**	**MONITORING OF SELECTED VOLCANIC**	**4R3**	**4**	**0**	**: :**	
1109	97	127	10:30:23.466	117DQ11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,945,039:77:0	
1110	97	127	10:30:34.800	175DQ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,945,040:03:0	
1111	97	127	10:30:34.800	175DQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,945,040:03:0	
1112	97	127	10:30:34.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5879.18 +/-	4R3	4	0	3,945,040:03:0	
1113	97	127	10:30:36.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5879.12 +/-	4R3	4	0	3,945,040:04:8	
1114	**97**	**127**	**10:30:36.799**	**G8INVOLCAN02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1115	**97**	**127**	**10:30:36.799**	**G8INVOLCAN03-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1116	97	127	10:31:32.800	165DR4A	7SCAN	NORM,219.07,-17.	Check S/P Position	4R3	4	0	3,945,040:90:0	
1117	97	127	10:35:24.133	175DR422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,945,044:73:0	
1118	97	127	10:35:24.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5879.12 +/-	4R3	4	0	3,945,044:73:0	
1119	97	127	10:35:25.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5879.24 +/-	4R3	4	0	3,945,044:75:1	
1120	97	127	10:35:26.800	117DR	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,945,044:77:0	
1121	97	127	10:35:30.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5880.47 +/-	4R3	4	0	3,945,044:83:0	
1122	97	127	10:35:32.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5880.53 +/-	4R3	4	0	3,945,044:84:8	
1123	97	127	10:35:32.800	175DR176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,945,044:86:0	
1124	97	127	10:35:33.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5880.41 +/-	4R3	4	0	3,945,044:86:9	
1125	97	127	10:35:33.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5880.41 +/-	4R3	4	0	3,945,044:86:9	
1126	97	127	10:35:36.133	117DR105A106A4A	7STRP	0.002,0.0,0,0,0,	Slew =,0.03	4R3	4	0	3,945,045:00:0	
1127	**97**	**127**	**10:35:36.133**	**G8INVOLCAN03-**	**NIMPBK**	**301DR**	**MONITORING OF SELECTED VOLCANIC**	**4R3**	**4**	**0**	**: :**	
1128	**97**	**127**	**10:36:43.466**	**G8INVOLCAN03-**	**DESELC**	**300DR**	**MONITORING OF SELECTED VOLCANIC**	**4R3**	**4**	**0**	**: :**	
1129	97	127	10:36:44.133	117DR11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,945,046:11:0	
1130	97	127	10:36:55.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5861.18 +/-	4R3	4	0	3,945,046:28:0	
1131	97	127	10:36:55.466	175DR422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,945,046:28:0	
1132	97	127	10:36:55.466	175DR6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,945,046:28:0	
1133	97	127	10:36:56.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5861.12 +/-	4R3	4	0	3,945,046:29:8	
1134	97	127	10:37:20.133	165IS4A	7SCAN	NORM,218.905998,	Check S/P Position	4R3	4	0	3,945,046:65:0	
1135	**97**	**127**	**10:38:42.133**	**G8INVOLCAN03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1136	97	127	10:40:43.466	118IS	**SMOS**	GS		4R3	4	0	3,945,050:06:0	
1137	97	127	10:41:13.466	118IS110A111A4A	7STRP	0.00249,0.0,92,0	Slew =,1.05	4R3	4	0	3,945,050:51:0	
1138	97	127	10:42:02.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5861.12 +/-	4R3	4	0	3,945,051:33:0	
1139	97	127	10:42:02.133	175IS422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,945,051:33:0	
1140	97	127	10:42:03.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5861.24 +/-	4R3	4	0	3,945,051:35:1	
1141	97	127	10:42:08.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5862.47 +/-	4R3	4	0	3,945,051:43:0	
1142	97	127	10:42:10.000		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5862.53 +/-	4R3	4	0	3,945,051:44:8	
1143	97	127	10:42:13.466	175IS176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	4R3	4	0	3,945,051:50:0	
1144	97	127	10:42:14.000		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5856.23 +/-	4R3	4	0	3,945,051:50:8	
1145	97	127	10:42:14.000		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5856.23 +/-	4R3	4	0	3,945,051:50:8	
1146	97	127	10:42:14.800	118IS11A	**SMOS**	GE		4R3	4	0	3,945,051:52:0	
1147	97	127	10:42:41.466		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *5759.67 +/-	4R3	4	0	3,945,052:01:0	
1148	97	127	10:42:41.466	175IS422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,945,052:01:0	
1149	97	127	10:42:42.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5758.67 +/-	4R3	4	0	3,945,052:02:8	
1150	97	127	10:47:43.466	165GI4A	7SCAN	NORM,218.908998,	Check S/P Position	4R3	4	0	3,945,056:90:0	
1151	97	127	10:51:37.466	117GI	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,945,060:77:0	
1152	97	127	10:51:46.800	176GI6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,945,061:00:0	
1153	97	127	10:51:46.800	117GI105A106A4A	7STRP	0.004,0.0,0,0,0,	Slew =,0.04	4R3	4	0	3,945,061:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	97	127	10:53:29.466	117GI105A106A4B	7STRP	-0.0042,0.0011,0	Slew =0,2.1	4R3	4	0	3,945,062:63:0	
1155	97	127	10:53:36.133	117GI105A106A4C	7STRP	0.004,0.0,0,0,0,	Slew =,0.04	4R3	4	0	3,945,062:73:0	
1156	97	127	10:55:18.800	117GI105A106A4D	7STRP	-0.0042,0.0011,0	Slew =0,2.1	4R3	4	0	3,945,064:45:0	
1157	97	127	10:55:25.466	117GI105A106A4E	7STRP	0.004,0.0,0,0,0,	Slew =,0.04	4R3	4	0	3,945,064:55:0	
1158	97	127	10:57:08.133	117GI105A106A4F	7STRP	-0.0042,0.0011,0	Slew =0,2.1	4R3	4	0	3,945,066:27:0	
1159	97	127	10:57:14.800	117GI105A106A4G	7STRP	0.004,0.0,0,0,0,	Slew =,0.04	4R3	4	0	3,945,066:37:0	
1160	97	127	10:58:48.133	176GI6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,945,067:86:0	
1161	97	127	10:58:50.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,945,067:89:0	
1162	97	127	10:58:50.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5758.67 +/-	4R3	4	0	3,945,067:89:0	
1163	97	127	10:58:51.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5758.79 +/-	4R3	4	0	3,945,068:00:1	
1164	97	127	10:58:56.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5760.02 +/-	4R3	4	0	3,945,068:08:0	
1165	97	127	10:58:57.466	117GI11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,945,068:09:0	
1166	97	127	10:58:58.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5760.08 +/-	4R3	4	0	3,945,068:09:8	
1167	97	127	10:58:59.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *5759.96 +/-	4R3	4	0	3,945,068:11:9	
1168	97	127	10:59:00.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5759.79 +/-	4R3	4	0	3,945,068:13:0	
1169	97	127	10:59:14.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5756.35 +/-	4R3	4	0	3,945,068:35:0	
1170	97	127	10:59:14.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,945,068:35:0	
1171	97	127	10:59:16.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5756.29 +/-	4R3	4	0	3,945,068:36:8	
1172	97	127	11:04:54.800	165DS4A	7SCAN	NORM,219.050999,	Check S/P Position	4R3	4	0	3,945,073:90:0	
1173	**97**	**127**	**11:04:59.466**	**G8INCHEMIS04-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1174	**97**	**127**	**11:06:52.133**	**125DS4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R3**	**4**	**0**	**3,945,075:84:0**	
1175	97	127	11:06:52.133	125DS11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,945,075:84:0	
1176	97	127	11:06:52.133	125DS	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,945,075:84:0	
1177	97	127	11:07:52.800	127DS	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,945,076:84:0	
1178	**97**	**127**	**11:07:53.466**	**127DS4A**	**37ETB**	**07,C7,02,05,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,945,076:85:0**	
1179	97	127	11:08:01.466	127DS11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,945,077:06:0	
1180	97	127	11:08:46.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5756.29 +/-	2R3	4	0	3,945,077:73:0	
1181	97	127	11:08:46.133	175DS422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,945,077:73:0	
1182	97	127	11:08:47.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5756.41 +/-	2R3	4	0	3,945,077:75:1	
1183	97	127	11:08:48.800	117DS	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,945,077:77:0	
1184	97	127	11:08:52.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5757.65 +/-	2R3	4	0	3,945,077:83:0	
1185	97	127	11:08:54.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5757.71 +/-	2R3	4	0	3,945,077:84:8	
1186	97	127	11:08:54.800	175DS176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,945,077:86:0	
1187	97	127	11:08:55.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5757.59 +/-	2R3	4	0	3,945,077:86:9	
1188	97	127	11:08:55.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5757.59 +/-	2R3	4	0	3,945,077:86:9	
1189	97	127	11:08:58.133	117DS105A106A4A	7STRP	-0.00175,0.0,0,0	Slew =,0.03	2R3	4	0	3,945,078:00:0	
1190	**97**	**127**	**11:08:58.133**	**G8INCHEMIS04-**	**NIMPBK**	**301DS**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
1191	**97**	**127**	**11:09:57.466**	**G8INCHEMIS04-**	**DESELC**	**300DS**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
1192	97	127	11:09:58.133	117DS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,945,078:90:0	
1193	**97**	**127**	**11:10:02.799**	**G8INCHEMIS04-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1194	**97**	**127**	**11:10:02.799**	**G8INTHRMAL04-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1195	97	127	11:10:09.466	175DS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,945,079:16:0	
1196	97	127	11:10:09.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5740.23 +/-	2R3	4	0	3,945,079:16:0	
1197	97	127	11:10:09.466	175DS6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,945,079:16:0	
1198	97	127	11:10:10.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5740.17 +/-	2R3	4	0	3,945,079:17:8	
1199	97	127	11:10:58.800	165DT4A	7SCAN	NORM,219.050999,	Check S/P Position	2R3	4	0	3,945,079:90:0	
1200	97	127	11:12:40.133	488BA6E	6TMSED	NORM,EL2	Sci, Eng, and D/L Chan	2R3	4	0	3,945,081:60:0	
1201	**97**	**127**	**11:12:56.133**	**125DT4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**3,945,081:84:0**	
1202	97	127	11:12:56.133	125DT11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,945,081:84:0	
1203	97	127	11:12:56.133	125DT	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,945,081:84:0	
1204	97	127	11:13:56.800	127DT	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,945,082:84:0	
1205	**97**	**127**	**11:13:57.466**	**127DT4A**	**37ETB**	**07,C7,02,01,05,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,945,082:85:0**	
1206	97	127	11:14:05.466	127DT11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,945,083:06:0	
1207	97	127	11:14:50.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5740.17 +/-	4R3	4	0	3,945,083:73:0	
1208	97	127	11:14:50.133	175DT422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,945,083:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	97	127	11:14:51.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5740.29 +/-	4R3	4	0	3,945,083:75:1	
1210	97	127	11:14:52.800	117DT	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,945,083:77:0	
1211	97	127	11:14:56.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5741.52 +/-	4R3	4	0	3,945,083:83:0	
1212	97	127	11:14:58.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5741.58 +/-	4R3	4	0	3,945,083:84:8	
1213	97	127	11:14:58.800	175DT176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,945,083:86:0	
1214	97	127	11:14:59.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5741.46 +/-	4R3	4	0	3,945,083:86:9	
1215	97	127	11:14:59.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5741.46 +/-	4R3	4	0	3,945,083:86:9	
1216	**97**	**127**	**11:15:02.133**	**G8INTHRMAL04-**	**NIMPBK**	**301DT**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
1217	97	127	11:15:02.133	117DT105A106A4A	7STRP	0.0017,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,945,084:00:0	
1218	**97**	**127**	**11:15:59.466**	**G8INTHRMAL04-**	**DESELC**	**300DT**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
1219	97	127	11:16:00.133	117DT11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,945,084:87:0	
1220	97	127	11:16:11.466	175DT6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,945,085:13:0	
1221	97	127	11:16:11.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5724.57 +/-	4R3	4	0	3,945,085:13:0	
1222	97	127	11:16:11.466	175DT422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,945,085:13:0	
1223	97	127	11:16:12.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5724.51 +/-	4R3	4	0	3,945,085:14:8	
1224	**97**	**127**	**11:17:07.466**	**G8INTHRMAL04-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1225	97	127	11:17:46.800	165IM4A	7SCAN	NORM,238.182999,	Check S/P Position	4R3	4	0	3,945,086:65:0	
1226	97	127	11:21:10.133	118IM	**SMOS**	GS		4R3	4	0	3,945,090:06:0	
1227	97	127	11:21:26.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5724.51 +/-	4R3	4	0	3,945,090:30:0	
1228	97	127	11:21:26.133	175IM422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,945,090:30:0	
1229	97	127	11:21:27.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5724.63 +/-	4R3	4	0	3,945,090:32:1	
1230	97	127	11:21:32.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5725.87 +/-	4R3	4	0	3,945,090:40:0	
1231	97	127	11:21:34.000		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *5725.93 +/-	4R3	4	0	3,945,090:41:8	
1232	97	127	11:21:37.466	175IM176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	3,945,090:47:0	
1233	97	127	11:21:38.000		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *5719.63 +/-	4R3	4	0	3,945,090:47:8	
1234	97	127	11:21:38.000		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 5719.63 +/-	4R3	4	0	3,945,090:47:8	
1235	97	127	11:21:38.800	118IM110A111A4A	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,090:49:0	
1236	97	127	11:22:09.466	118IM110A111B4A	7STRP	-0.017602,-0.007	Slew =,4.01	4R3	4	0	3,945,091:04:0	
1237	97	127	11:22:24.800	118IM110A111B4B	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,091:27:0	
1238	97	127	11:22:55.466	118IM110A111C4A	7STRP	-0.0106,-0.0073,	Slew =,4.01	4R3	4	0	3,945,091:73:0	
1239	97	127	11:23:10.800	118IM110A111C4B	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,092:05:0	
1240	97	127	11:23:26.133	118IM110A111D4A	7STRP	-0.0113,-0.0073,	Slew =,4.01	4R3	4	0	3,945,092:28:0	
1241	97	127	11:23:41.466	118IM110A111D4B	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,092:51:0	
1242	97	127	11:23:56.800	118IM11A	**SMOS**	GE		4R3	4	0	3,945,092:74:0	
1243	97	127	11:23:57.466	116IM4A	7STRP	-0.004,0.021904,	Slew =,6.01	4R3	4	0	3,945,092:75:0	
1244	97	127	11:24:00.133	118JE	**SMOS**	GS		4R3	4	0	3,945,092:79:0	
1245	97	127	11:24:10.133	118JE110A111A4A	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,093:03:0	
1246	97	127	11:24:40.800	118JE110A111B4A	7STRP	-0.017602,-0.007	Slew =,4.01	4R3	4	0	3,945,093:49:0	
1247	97	127	11:24:56.133	118JE110A111B4B	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,093:72:0	
1248	97	127	11:25:26.800	118JE110A111C4A	7STRP	-0.017902,-0.007	Slew =,4.01	4R3	4	0	3,945,094:27:0	
1249	97	127	11:25:42.133	118JE110A111C4B	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,094:50:0	
1250	97	127	11:26:12.800	118JE110A111D4A	7STRP	-0.0113,-0.0073,	Slew =,4.01	4R3	4	0	3,945,095:05:0	
1251	97	127	11:26:28.133	118JE110A111D4B	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,095:28:0	
1252	97	127	11:26:43.466	118JE110A111A4B	7STRP	-0.0043,0.021904	Slew =,4.01	4R3	4	0	3,945,095:51:0	
1253	97	127	11:26:58.800	118JE110A111A4C	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,095:74:0	
1254	97	127	11:27:29.466	118JE110A111B4C	7STRP	-0.017602,-0.007	Slew =,4.01	4R3	4	0	3,945,096:29:0	
1255	97	127	11:27:44.800	118JE110A111B4D	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,096:52:0	
1256	97	127	11:28:15.466	118JE110A111C4C	7STRP	-0.017902,-0.007	Slew =,4.01	4R3	4	0	3,945,097:07:0	
1257	97	127	11:28:30.800	118JE110A111C4D	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,097:30:0	
1258	97	127	11:29:01.466	118JE110A111D4C	7STRP	-0.0113,-0.0073,	Slew =,4.01	4R3	4	0	3,945,097:76:0	
1259	97	127	11:29:16.800	118JE110A111D4D	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,098:08:0	
1260	97	127	11:29:32.133	118JE110A111A4D	7STRP	-0.0043,0.021904	Slew =,4.01	4R3	4	0	3,945,098:31:0	
1261	97	127	11:29:47.466	118JE110A111A4E	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,098:54:0	
1262	97	127	11:30:18.133	118JE110A111B4E	7STRP	-0.017602,-0.007	Slew =,4.01	4R3	4	0	3,945,099:09:0	
1263	97	127	11:30:33.466	118JE110A111B4F	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,099:32:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	97	127	11:31:04.133	118JE110A111C4E	7STRP	-0.017902,-0.007	Slew =,4.01	4R3	4	0	3,945,099:78:0	
1265	97	127	11:31:19.466	118JE110A111C4F	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,100:10:0	
1266	97	127	11:31:50.133	118JE110A111D4E	7STRP	-0.0113,-0.0073,	Slew =,4.01	4R3	4	0	3,945,100:56:0	
1267	97	127	11:32:05.466	118JE110A111D4F	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,100:79:0	
1268	97	127	11:32:20.800	118JE11A	**SMOS**	GE		4R3	4	0	3,945,101:11:0	
1269	97	127	11:32:29.466	175IM422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,945,101:24:0	
1270	97	127	11:32:29.466		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3429.31 +/-	4R3	4	0	3,945,101:24:0	
1271	97	127	11:32:30.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3428.31 +/-	4R3	4	0	3,945,101:25:8	
1272	97	127	11:32:43.466	165AO4A	7SCAN	NORM,238.126999,	Check S/P Position	4R3	4	0	3,945,101:45:0	
1273	97	127	11:33:04.800	117AC	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,945,101:77:0	
1274	97	127	11:33:14.133	117AC105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,102:00:0	
1275	97	127	11:34:14.800	117AC105A106A4B	7STRP	0.0075,0.0,0,0,0	Slew =12.01	4R3	4	0	3,945,103:00:0	
1276	97	127	11:35:15.466	117AC105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,104:00:0	
1277	97	127	11:36:16.133	117AC105A106A4D	7STRP	0.0075,0.0,0,0,0	Slew =12.01	4R3	4	0	3,945,105:00:0	
1278	97	127	11:37:16.800	117AC105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,106:00:0	
1279	97	127	11:38:17.466	117AC105A106B4A	7STRP	-0.017002,-0.008	Slew =12.01	4R3	4	0	3,945,107:00:0	
1280	97	127	11:39:18.133	117AC105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,108:00:0	
1281	97	127	11:40:18.800	117AC105A106C4A	7STRP	0.0075,0.0,0,0,0	Slew =12.01	4R3	4	0	3,945,109:00:0	
1282	97	127	11:41:19.466	117AC105A106C4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,110:00:0	
1283	97	127	11:42:20.133	117AC105A106C4C	7STRP	0.0075,0.0,0,0,0	Slew =12.01	4R3	4	0	3,945,111:00:0	
1284	97	127	11:43:20.800	117AC105A106C4D	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,112:00:0	
1285	97	127	11:44:21.466	117AC105A106D4A	7STRP	-0.016001,-0.007	Slew =12.01	4R3	4	0	3,945,113:00:0	
1286	97	127	11:45:22.133	117AC105A106D4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,114:00:0	
1287	97	127	11:46:22.800	117AC105A106E4A	7STRP	0.0075,0.0,0,0,0	Slew =12.01	4R3	4	0	3,945,115:00:0	
1288	97	127	11:47:23.466	117AC105A106E4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,116:00:0	
1289	97	127	11:48:24.133	117AC105A106E4C	7STRP	0.0075,0.0,0,0,0	Slew =12.01	4R3	4	0	3,945,117:00:0	
1290	97	127	11:49:24.800	117AC105A106E4D	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,118:00:0	
1291	97	127	11:50:25.466	117AC105A106F4A	7STRP	-0.007,-0.0075,0	Slew =12.01	4R3	4	0	3,945,119:00:0	
1292	97	127	11:51:26.133	117AC105A106F4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,120:00:0	
1293	97	127	11:52:26.800	117AC105A106G4A	7STRP	0.0075,0.0,0,0,0	Slew =12.01	4R3	4	0	3,945,121:00:0	
1294	97	127	11:53:27.466	117AC105A106G4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,122:00:0	
1295	97	127	11:54:28.133	117AC11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,945,123:00:0	
1296	97	127	11:55:28.133	165AP4A	7SCAN	NORM,238.441,-24	Check S/P Position	4R3	4	0	3,945,123:90:0	
1297	97	127	11:58:30.800	411AC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,945,127:00:0	
1298	97	127	11:58:30.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3428.31 +/-	4R3	4	0	3,945,127:00:0	
1299	97	127	11:58:32.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3428.43 +/-	4R3	4	0	3,945,127:02:1	
1300	97	127	11:58:37.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3429.67 +/-	4R3	4	0	3,945,127:10:0	
1301	97	127	11:58:38.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3429.73 +/-	4R3	4	0	3,945,127:11:8	
1302	97	127	11:58:40.066		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3429.61 +/-	4R3	4	0	3,945,127:13:9	
1303	97	127	11:58:40.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 3429.61 +/-	4R3	4	0	3,945,127:13:9	
1304	97	127	11:58:40.800	411AC6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	3,945,127:15:0	
1305	97	127	12:00:42.133	411AC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,945,129:15:0	
1306	97	127	12:00:44.800	175TH176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	3,945,129:19:0	
1307	97	127	12:00:45.466	175TH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,945,129:20:0	
1308	97	127	12:00:52.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3398.66 +/-	4R3	4	0	3,945,129:30:0	
1309	97	127	12:00:52.133	175TH422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,945,129:30:0	
1310	97	127	12:00:53.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3398.60 +/-	4R3	4	0	3,945,129:31:8	
1311	97	127	12:02:32.800	165AQ4A	7SCAN	NORM,238.393,-25	Check S/P Position	4R3	4	0	3,945,130:90:0	
1312	**97**	**127**	**12:04:38.799**	**G8INVOLCAN04-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1313	97	127	12:08:32.800	127DU	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,945,136:84:0	
1314	**97**	**127**	**12:08:33.466**	**127DU4A**	**37ETB**	**07,C7,03,81,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,945,136:85:0**	
1315	97	127	12:08:36.800	165DU4A	7SCAN	NORM,219.125999,	Check S/P Position	4R3	4	0	3,945,136:90:0	
1316	97	127	12:08:41.466	127DU11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,945,137:06:0	
1317	97	127	12:09:26.133	175DU422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,945,137:73:0	
1318	97	127	12:09:26.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3398.60 +/-	4R3	4	0	3,945,137:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1319	97	127	12:09:27.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3398.72 +/-	4R3	4	0	3,945,137:75:1	
1320	97	127	12:09:28.800	117DU	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,945,137:77:0	
1321	97	127	12:09:32.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3399.95 +/-	4R3	4	0	3,945,137:83:0	
1322	97	127	12:09:34.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3400.01 +/-	4R3	4	0	3,945,137:84:8	
1323	97	127	12:09:34.800	175DU176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,945,137:86:0	
1324	97	127	12:09:35.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 3399.89 +/-	4R3	4	0	3,945,137:86:9	
1325	97	127	12:09:35.400		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3399.89 +/-	4R3	4	0	3,945,137:86:9	
1326	**97**	**127**	**12:09:38.133**	**G8INVOLCAN04-**	**NIMPBK**	**301DU**	**MONITORING OF SELECTED VOLCANIC**	**4R3**	**4**	**0**	**: :**	
1327	97	127	12:09:38.133	117DU105A106A4A	7STRP	0.002,0.0,0,0,0,	Slew =,0.02	4R3	4	0	3,945,138:00:0	
1328	97	127	12:11:19.466	117DU11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,945,139:61:0	
1329	**97**	**127**	**12:13:00.133**	**G8INVOLCAN04-**	**DESELC**	**300DU**	**MONITORING OF SELECTED VOLCANIC**	**4R3**	**4**	**0**	**: :**	
1330	97	127	12:13:15.466	175DU422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,945,141:53:0	
1331	97	127	12:13:15.466	175DU6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,945,141:53:0	
1332	97	127	12:13:15.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3348.31 +/-	4R3	4	0	3,945,141:53:0	
1333	97	127	12:13:16.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3348.25 +/-	4R3	4	0	3,945,141:54:8	
1334	**97**	**127**	**12:13:44.799**	**G8INVOLCAN04-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1335	97	127	12:17:06.133	165IQ4A	7SCAN	NORM,238.16,-24.	Check S/P Position	4R3	4	0	3,945,145:35:0	
1336	97	127	12:17:32.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3348.25 +/-	4R3	4	0	3,945,145:75:0	
1337	97	127	12:17:32.800	175IQ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,945,145:75:0	
1338	97	127	12:17:34.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3348.37 +/-	4R3	4	0	3,945,145:77:1	
1339	97	127	12:17:35.466	118IQ	**SMOS**	GS		4R3	4	0	3,945,145:79:0	
1340	97	127	12:17:39.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3349.61 +/-	4R3	4	0	3,945,145:85:0	
1341	97	127	12:17:40.666		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3349.67 +/-	4R3	4	0	3,945,145:86:8	
1342	97	127	12:17:44.133	175IQ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	3,945,146:01:0	
1343	97	127	12:17:44.666		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3343.37 +/-	4R3	4	0	3,945,146:01:8	
1344	97	127	12:17:44.666		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3343.37 +/-	4R3	4	0	3,945,146:01:8	
1345	97	127	12:17:45.466	118IQ110A111A4A	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,146:03:0	
1346	97	127	12:18:16.133	118IQ110A111B4A	7STRP	-0.012001,-0.007	Slew =,4.01	4R3	4	0	3,945,146:49:0	
1347	97	127	12:18:31.466	118IQ110A111B4B	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,146:72:0	
1348	97	127	12:19:02.133	118IQ110A111C4A	7STRP	-0.014601,-0.007	Slew =,4.01	4R3	4	0	3,945,147:27:0	
1349	97	127	12:19:17.466	118IQ110A111C4B	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,147:50:0	
1350	97	127	12:19:48.133	118IQ110A111D4A	7STRP	0.0,-0.0073,0,0,	Slew =,4.01	4R3	4	0	3,945,148:05:0	
1351	97	127	12:20:03.466	118IQ110A111D4B	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,148:28:0	
1352	97	127	12:20:18.800	118IQ110A111A4B	7STRP	-0.024205,0.0219	Slew =,4.01	4R3	4	0	3,945,148:51:0	
1353	97	127	12:20:34.133	118IQ110A111A4C	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,148:74:0	
1354	97	127	12:21:04.800	118IQ110A111B4C	7STRP	-0.012001,-0.007	Slew =,4.01	4R3	4	0	3,945,149:29:0	
1355	97	127	12:21:20.133	118IQ110A111B4D	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,149:52:0	
1356	97	127	12:21:50.800	118IQ110A111C4C	7STRP	-0.014601,-0.007	Slew =,4.01	4R3	4	0	3,945,150:07:0	
1357	97	127	12:22:06.133	118IQ110A111C4D	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,150:30:0	
1358	97	127	12:22:36.800	118IQ110A111D4C	7STRP	0.0,-0.0073,0,0,	Slew =,4.01	4R3	4	0	3,945,150:76:0	
1359	97	127	12:22:52.133	118IQ110A111D4D	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,151:08:0	
1360	97	127	12:23:07.466	118IQ110A111A4D	7STRP	-0.024205,0.0219	Slew =,4.01	4R3	4	0	3,945,151:31:0	
1361	97	127	12:23:22.800	118IQ110A111A4E	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,151:54:0	
1362	97	127	12:23:53.466	118IQ110A111B4E	7STRP	-0.012001,-0.007	Slew =,4.01	4R3	4	0	3,945,152:09:0	
1363	97	127	12:24:08.800	118IQ110A111B4F	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,152:32:0	
1364	97	127	12:24:39.466	118IQ110A111C4E	7STRP	-0.014601,-0.007	Slew =,4.01	4R3	4	0	3,945,152:78:0	
1365	97	127	12:24:54.800	118IQ110A111C4F	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,153:10:0	
1366	97	127	12:25:25.466	118IQ110A111D4E	7STRP	0.0,-0.0073,0,0,	Slew =,4.01	4R3	4	0	3,945,153:56:0	
1367	97	127	12:25:40.800	118IQ110A111D4F	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,153:79:0	
1368	97	127	12:25:56.133	118IQ110A111A4F	7STRP	-0.024205,0.0219	Slew =,4.01	4R3	4	0	3,945,154:11:0	
1369	97	127	12:26:11.466	118IQ110A111A4G	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,154:34:0	
1370	97	127	12:26:42.133	118IQ110A111B4G	7STRP	-0.012001,-0.007	Slew =,4.01	4R3	4	0	3,945,154:80:0	
1371	97	127	12:26:57.466	118IQ110A111B4H	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,155:12:0	
1372	97	127	12:27:28.133	118IQ110A111C4G	7STRP	-0.014601,-0.007	Slew =,4.01	4R3	4	0	3,945,155:58:0	
1373	97	127	12:27:43.466	118IQ110A111C4H	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,155:81:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	97	127	12:28:14.133	118IQ110A111D4G	7STRP	0.0,-0.0073,0,0,	Slew =,4.01	4R3	4	0	3,945,156:36:0	
1375	97	127	12:28:29.466	118IQ110A111D4H	7STRP	0.0073,0.0,46,0,	Slew =,3.51	4R3	4	0	3,945,156:59:0	
1376	97	127	12:28:44.800	118IQ11A	**SMOS**	GE		4R3	4	0	3,945,156:82:0	
1377	97	127	12:28:50.800		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *1001.49 +/-	4R3	4	0	3,945,157:00:0	
1378	97	127	12:28:50.800	175IQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,945,157:00:0	
1379	97	127	12:28:52.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1000.49 +/-	4R3	4	0	3,945,157:01:8	
1380	97	127	12:29:20.800	165AR4A	7SCAN	NORM,238.148998,	Check S/P Position	4R3	4	0	3,945,157:45:0	
1381	97	127	12:29:42.133	117AD	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,945,157:77:0	
1382	97	127	12:29:51.466	117AD105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,158:00:0	
1383	97	127	12:30:52.133	117AD105A106A4B	7STRP	0.0075,0.0,0,0,0	Slew =12.01	4R3	4	0	3,945,159:00:0	
1384	97	127	12:31:52.800	117AD105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,160:00:0	
1385	97	127	12:32:53.466	117AD105A106A4D	7STRP	0.0075,0.0,0,0,0	Slew =12.01	4R3	4	0	3,945,161:00:0	
1386	97	127	12:33:54.133	117AD105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,162:00:0	
1387	97	127	12:34:54.800	117AD105A106B4A	7STRP	-0.01,-0.008,0,0	Slew =12.01	4R3	4	0	3,945,163:00:0	
1388	97	127	12:35:55.466	117AD105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,164:00:0	
1389	97	127	12:36:56.133	117AD105A106C4A	7STRP	0.0065,0.0,0,0,0	Slew =12.01	4R3	4	0	3,945,165:00:0	
1390	97	127	12:37:56.800	117AD105A106C4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,166:00:0	
1391	97	127	12:38:57.466	117AD105A106C4C	7STRP	0.0065,0.0,0,0,0	Slew =12.01	4R3	4	0	3,945,167:00:0	
1392	97	127	12:39:58.133	117AD105A106C4D	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,168:00:0	
1393	97	127	12:40:58.800	117AD105A106D4A	7STRP	-0.011,-0.0075,0	Slew =12.01	4R3	4	0	3,945,169:00:0	
1394	97	127	12:41:59.466	117AD105A106D4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,170:00:0	
1395	97	127	12:43:00.133	117AD105A106E4A	7STRP	0.0065,0.0,0,0,0	Slew =12.01	4R3	4	0	3,945,171:00:0	
1396	97	127	12:44:00.800	117AD105A106E4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,172:00:0	
1397	97	127	12:45:01.466	117AD105A106E4C	7STRP	0.0065,0.0,0,0,0	Slew =12.01	4R3	4	0	3,945,173:00:0	
1398	97	127	12:46:02.133	117AD105A106E4D	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,174:00:0	
1399	97	127	12:47:02.800	117AD105A106F4A	7STRP	0.005,-0.0075,0,	Slew =12.01	4R3	4	0	3,945,175:00:0	
1400	97	127	12:48:03.466	117AD105A106F4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,1.01	4R3	4	0	3,945,176:00:0	
1401	97	127	12:49:04.133	117AD11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,945,177:00:0	
1402	97	127	12:49:37.466	165JD4A	7SCAN	NORM,244.137999,	Check S/P Position	4R3	4	0	3,945,177:50:0	
1403	97	127	12:50:00.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1000.49 +/-	4R3	4	0	3,945,177:84:0	
1404	97	127	12:50:00.133	175JD422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	3,945,177:84:0	
1405	97	127	12:50:01.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1000.61 +/-	4R3	4	0	3,945,177:86:1	
1406	97	127	12:50:06.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1001.85 +/-	4R3	4	0	3,945,178:03:0	
1407	97	127	12:50:08.000		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *1001.91 +/-	4R3	4	0	3,945,178:04:8	
1408	97	127	12:50:11.466	175JD176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	3,945,178:10:0	
1409	97	127	12:50:12.000		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 995.61 +/-	4R3	4	0	3,945,178:10:8	
1410	97	127	12:50:12.000		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC * 995.61 +/-	4R3	4	0	3,945,178:10:8	
1411	97	127	12:51:06.133		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC * 805.29 +/-	4R3	4	0	3,945,179:01:0	
1412	97	127	12:51:06.133	175JD422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,945,179:01:0	
1413	97	127	12:51:07.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 804.29 +/-	4R3	4	0	3,945,179:02:8	
1414	**97**	**127**	**12:55:12.133**	**G8NNNIMSLD01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1415	97	127	12:56:08.800	411AD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,945,184:00:0	
1416	97	127	12:56:08.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 804.29 +/-	4R3	4	0	3,945,184:00:0	
1417	97	127	12:56:10.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 804.41 +/-	4R3	4	0	3,945,184:02:1	
1418	97	127	12:56:12.800	20EB6A	6CKSUM	NIMS	NIMS,1000,14BC	4R3	4	0	3,945,184:06:0	
1419	97	127	12:56:15.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 805.65 +/-	4R3	4	0	3,945,184:10:0	
1420	97	127	12:56:16.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 805.71 +/-	4R3	4	0	3,945,184:11:8	
1421	97	127	12:56:18.066		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 805.59 +/-	4R3	4	0	3,945,184:13:9	
1422	97	127	12:56:18.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 805.59 +/-	4R3	4	0	3,945,184:13:9	
1423	97	127	12:56:18.800	411AD6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	3,945,184:15:0	
1424	**97**	**127**	**12:57:13.466**	**20EB5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**3,945,185:06:0**	
1425	**97**	**127**	**12:58:14.133**	**20EB5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**3,945,186:06:0**	
1426	97	127	12:58:20.133	411AD6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,945,186:15:0	
1427	97	127	12:58:22.800	175TI176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	3,945,186:19:0	
1428	97	127	12:58:23.466	175TI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,945,186:20:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1429	97	127	12:58:30.133	175TI422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,945,186:30:0	
1430	97	127	12:58:30.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 774.63 +/-	4R3	4	0	3,945,186:30:0	
1431	97	127	12:58:31.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 774.57 +/-	4R3	4	0	3,945,186:31:8	
1432	**97**	**127**	**12:59:14.800**	**20EB6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**3,945,187:06:0**	
1433	**97**	**127**	**13:00:15.466**	**20EB6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**3,945,188:06:0**	
1434	**97**	**127**	**13:01:16.133**	**20EB5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,945,189:06:0**	
1435	97	127	13:01:55.466	165IT4A	7SCAN	NORM,219.662998,	Check S/P Position	260	4	0	3,945,189:65:0	
1436	**97**	**127**	**13:02:16.800**	**20EB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,945,190:06:0**	
1437	97	127	13:02:16.800	118IT	**SMOS**	GS		260	4	0	3,945,190:06:0	
1438	97	127	13:02:46.800	118IT110A111A4A	7STRP	0.00256,0.0,92,0	Slew =,1.16	260	4	0	3,945,190:51:0	
1439	**97**	**127**	**13:03:17.466**	**20EB4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,945,191:06:0**	
1440	97	127	13:03:35.466	175IT422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R0	4	0	3,945,191:33:0	
1441	97	127	13:03:35.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 774.57 +/-	2R0	4	0	3,945,191:33:0	
1442	97	127	13:03:36.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 774.69 +/-	2R0	4	0	3,945,191:35:1	
1443	97	127	13:03:42.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 775.93 +/-	2R0	4	0	3,945,191:43:0	
1444	97	127	13:03:43.333		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC * 775.99 +/-	2R0	4	0	3,945,191:44:8	
1445	97	127	13:03:46.800	175IT176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R0	4	0	3,945,191:50:0	
1446	97	127	13:03:47.333		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 769.69 +/-	2R0	4	0	3,945,191:50:8	
1447	97	127	13:03:47.333		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC * 769.69 +/-	2R0	4	0	3,945,191:50:8	
1448	97	127	13:03:48.133	118IT11A	**SMOS**	GE		2R0	4	0	3,945,191:52:0	
1449	97	127	13:04:14.800	175IT422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,945,192:01:0	
1450	97	127	13:04:14.800		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC * 673.13 +/-	2R0	4	0	3,945,192:01:0	
1451	97	127	13:04:16.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 672.13 +/-	2R0	4	0	3,945,192:02:8	
1452	**97**	**127**	**13:04:18.133**	**20EB4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,945,192:06:0**	
1453	**97**	**127**	**13:05:18.800**	**G8NNNIMSLD01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1454	**97**	**127**	**13:07:11.466**	**125DW4A**	**37IST**	**1,2,0,OFF,0,1,2**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**3R3**	**4**	**0**	**3,945,194:84:0**	
1455	97	127	13:07:11.466	125DW11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,945,194:84:0	
1456	97	127	13:07:11.466	125DW	NIMSINIT	GS	##### GROUP START INIT	3R3	4	0	3,945,194:84:0	
1457	**97**	**127**	**13:07:20.133**	**G8GNOSIRIS01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
1458	97	127	13:08:12.133	127DW	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,945,195:84:0	
1459	**97**	**127**	**13:08:12.800**	**127DW4A**	**37ETB**	**07,C7,02,1C,00,0**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,945,195:85:0**	
1460	97	127	13:08:16.133	165DW4A	7SCAN	NORM,242.973999,	Check S/P Position	3R3	4	0	3,945,195:90:0	
1461	97	127	13:08:20.800	127DW11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,945,196:06:0	
1462	97	127	13:09:05.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 672.13 +/-	3R3	4	0	3,945,196:73:0	
1463	97	127	13:09:05.466	175DW422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,945,196:73:0	
1464	97	127	13:09:06.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 672.25 +/-	3R3	4	0	3,945,196:75:1	
1465	97	127	13:09:08.133	117DW	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,945,196:77:0	
1466	97	127	13:09:12.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 673.48 +/-	3R3	4	0	3,945,196:83:0	
1467	97	127	13:09:13.333		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 673.54 +/-	3R3	4	0	3,945,196:84:8	
1468	97	127	13:09:14.133	175DW176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	3,945,196:86:0	
1469	97	127	13:09:14.733		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 673.42 +/-	3R3	4	0	3,945,196:86:9	
1470	97	127	13:09:14.733		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 673.42 +/-	3R3	4	0	3,945,196:86:9	
1471	97	127	13:09:16.133	165DW4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,196:89:0	
1472	**97**	**127**	**13:09:17.466**	**G8GNOSIRIS01-**	**NIMPBK**	**301DW**	**CENTRAL DOME CRATER OSIRIS AREA**	**3R3**	**4**	**0**	**: :**	
1473	97	127	13:09:17.466	117DW105A106A4A	7STRP	-0.01,0.0,0,0,0,	Slew =,0.03	3R3	4	0	3,945,197:00:0	
1474	97	127	13:14:52.133	117DW105A106A4B	7STRP	0.00975,-0.006,0	Slew =0,9.0	3R3	4	0	3,945,202:47:0	
1475	**97**	**127**	**13:14:54.800**	**G8GNOSIRIS01-**	**DESELC**	**300DW**	**CENTRAL DOME CRATER OSIRIS AREA**	**3R3**	**4**	**0**	**: :**	
1476	**97**	**127**	**13:14:55.466**	**G8GNOSIRIS01-**	**NIMPBK**	**301FU**	**CENTRAL DOME CRATER OSIRIS AREA**	**3R3**	**4**	**0**	**: :**	
1477	97	127	13:14:58.133	117DW105A106A4C	7STRP	-0.01,0.0,0,0,0,	Slew =,0.03	3R3	4	0	3,945,202:56:0	
1478	**97**	**127**	**13:20:32.133**	**G8GNOSIRIS01-**	**DESELC**	**300FU**	**CENTRAL DOME CRATER OSIRIS AREA**	**3R3**	**4**	**0**	**: :**	
1479	97	127	13:20:32.800	117DW11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,945,208:12:0	
1480	97	127	13:20:44.133	175DW422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,208:29:0	
1481	97	127	13:20:44.133		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 511.84 +/-	3R3	4	0	3,945,208:29:0	
1482	97	127	13:20:44.133	175DW6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,945,208:29:0	
1483	97	127	13:20:45.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 511.78 +/-	3R3	4	0	3,945,208:30:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1484	**97**	**127**	**13:21:29.466**	**G8GNOSIRIS01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
1485	97	127	13:33:32.800	165GJ4A	7SCAN	NORM,243.754,-20	Check S/P Position	3R3	4	0	3,945,220:90:0	
1486	97	127	13:34:24.800	117GJ	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,945,221:77:0	
1487	97	127	13:34:34.133	176GJ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	3R3	4	0	3,945,222:00:0	
1488	97	127	13:34:34.133	117GJ105A106A4A	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,222:00:0	
1489	97	127	13:35:52.800	117GJ105A106A4B	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,223:27:0	
1490	97	127	13:36:00.133	117GJ105A106A4C	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,223:38:0	
1491	97	127	13:37:18.800	117GJ105A106A4D	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,224:65:0	
1492	97	127	13:37:26.133	117GJ105A106A4E	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,224:76:0	
1493	97	127	13:38:44.800	117GJ105A106A4F	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,226:12:0	
1494	97	127	13:38:52.133	117GJ105A106A4G	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,226:23:0	
1495	97	127	13:40:10.800	117GJ105A106A4H	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,227:50:0	
1496	97	127	13:40:18.133	117GJ105A106A4I	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,227:61:0	
1497	97	127	13:41:36.800	117GJ105A106A4J	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,228:88:0	
1498	97	127	13:41:44.133	117GJ105A106A4K	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,229:08:0	
1499	97	127	13:43:02.800	117GJ105A106A4L	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,230:35:0	
1500	97	127	13:43:10.133	117GJ105A106A4M	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,230:46:0	
1501	97	127	13:44:28.800	117GJ105A106A4N	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,231:73:0	
1502	97	127	13:44:36.133	117GJ105A106A4O	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,231:84:0	
1503	97	127	13:45:54.800	117GJ105A106A4P	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,233:20:0	
1504	97	127	13:46:02.133	117GJ105A106A4Q	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,233:31:0	
1505	97	127	13:47:20.800	117GJ105A106A4R	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,234:58:0	
1506	97	127	13:47:28.133	117GJ105A106A4S	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,234:69:0	
1507	97	127	13:48:46.800	117GJ105A106A4T	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,236:05:0	
1508	97	127	13:48:54.133	117GJ105A106A4U	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,236:16:0	
1509	97	127	13:50:12.800	117GJ105A106A4V	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,237:43:0	
1510	97	127	13:50:20.133	117GJ105A106A4W	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,237:54:0	
1511	97	127	13:51:38.800	117GJ105A106A4X	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,238:81:0	
1512	97	127	13:51:46.133	117GJ105A106A4Y	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,239:01:0	
1513	97	127	13:51:46.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,945,239:02:0	
1514	97	127	13:51:46.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 511.78 +/-	3R3	4	0	3,945,239:02:0	
1515	97	127	13:51:48.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 511.90 +/-	3R3	4	0	3,945,239:04:1	
1516	97	127	13:51:53.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 513.14 +/-	3R3	4	0	3,945,239:12:0	
1517	97	127	13:51:54.666		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 513.20 +/-	3R3	4	0	3,945,239:13:8	
1518	97	127	13:51:56.066		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC * 513.08 +/-	3R3	4	0	3,945,239:15:9	
1519	97	127	13:52:22.133		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 506.97 +/-	3R3	4	0	3,945,239:55:0	
1520	97	127	13:52:44.800		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 501.65 +/-	3R3	4	0	3,945,239:89:0	
1521	97	127	13:52:44.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,239:89:0	
1522	97	127	13:52:46.000		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 501.59 +/-	3R3	4	0	3,945,239:90:8	
1523	97	127	13:53:04.800	117GJ105A106A4Z	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,240:28:0	
1524	97	127	13:53:12.133	117GJ105A106A4AA	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,240:39:0	
1525	97	127	13:54:30.800	117GJ105A106A4AB	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,241:66:0	
1526	97	127	13:54:38.133	117GJ105A106A4AC	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,241:77:0	
1527	97	127	13:55:56.800	117GJ105A106A4AD	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,243:13:0	
1528	97	127	13:56:04.133	117GJ105A106A4AE	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,243:24:0	
1529	97	127	13:57:22.800	117GJ105A106A4AF	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,244:51:0	
1530	97	127	13:57:30.133	117GJ105A106A4AG	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,244:62:0	
1531	97	127	13:58:48.800	117GJ105A106A4AH	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,245:89:0	
1532	97	127	13:58:56.133	117GJ105A106A4AI	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,246:09:0	
1533	97	127	14:00:14.800	117GJ105A106A4AJ	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,247:36:0	
1534	97	127	14:00:22.133	117GJ105A106A4AK	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,247:47:0	
1535	97	127	14:01:40.800	117GJ105A106A4AL	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,248:74:0	
1536	97	127	14:01:48.133	117GJ105A106A4AM	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,248:85:0	
1537	97	127	14:03:06.800	117GJ105A106A4AN	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,250:21:0	
1538	97	127	14:03:14.133	117GJ105A106A4AO	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,250:32:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1539	97	127	14:04:32.800	117GJ105A106A4AP	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,251:59:0	
1540	97	127	14:04:40.133	117GJ105A106A4AQ	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,251:70:0	
1541	97	127	14:05:58.800	117GJ105A106A4AR	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,253:06:0	
1542	97	127	14:06:06.133	117GJ105A106A4AS	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,253:17:0	
1543	97	127	14:07:24.800	117GJ105A106A4AT	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,254:44:0	
1544	97	127	14:07:32.133	117GJ105A106A4AU	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,254:55:0	
1545	97	127	14:08:42.133	488BB6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	3R3	4	0	3,945,255:69:0	
1546	97	127	14:08:50.800	117GJ105A106A4AV	7STRP	0.044028,-0.0022	Slew =12.01	3R3	4	0	3,945,255:82:0	
1547	97	127	14:08:58.133	117GJ105A106A4AW	7STRP	-0.04503,0.0,0,0	Slew =,0.61	3R3	4	0	3,945,256:02:0	
1548	97	127	14:09:38.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 501.59 +/-	3R3	4	0	3,945,256:62:0	
1549	97	127	14:09:38.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,945,256:62:0	
1550	97	127	14:09:39.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 501.71 +/-	3R3	4	0	3,945,256:64:1	
1551	97	127	14:09:44.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 502.95 +/-	3R3	4	0	3,945,256:72:0	
1552	97	127	14:09:46.000		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 503.01 +/-	3R3	4	0	3,945,256:73:8	
1553	97	127	14:09:47.400		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC * 502.89 +/-	3R3	4	0	3,945,256:75:9	
1554	97	127	14:10:12.800		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 496.94 +/-	3R3	4	0	3,945,257:23:0	
1555	97	127	14:10:16.800	117GJ11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,945,257:29:0	
1556	97	127	14:10:27.466	176GJ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,945,257:45:0	
1557	97	127	14:10:29.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,945,257:48:0	
1558	97	127	14:10:35.466		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 491.62 +/-	3R3	4	0	3,945,257:57:0	
1559	97	127	14:10:35.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,257:57:0	
1560	97	127	14:10:36.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 491.56 +/-	3R3	4	0	3,945,257:58:8	
1561	97	127	14:10:39.466		DMS:	**: *RECORD**	RDY, TRACK 2, REV, TIC * 490.91 +/-	3R3	4	0	3,945,257:63:0	
1562	97	127	14:10:48.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,257:77:0	
1563	97	127	14:14:33.466	165ID4A	7SCAN	NORM,242.459,-23	Check S/P Position	3R3	4	0	3,945,261:50:0	
1564	97	127	14:14:56.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 490.91 +/-	3R3	4	0	3,945,261:84:0	
1565	97	127	14:14:56.133	175ID422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	3R3	4	0	3,945,261:84:0	
1566	97	127	14:14:57.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 491.03 +/-	3R3	4	0	3,945,261:86:1	
1567	97	127	14:15:02.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 492.26 +/-	3R3	4	0	3,945,262:03:0	
1568	97	127	14:15:04.000		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC * 492.32 +/-	3R3	4	0	3,945,262:04:8	
1569	97	127	14:15:07.466	175ID176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	3R3	4	0	3,945,262:10:0	
1570	97	127	14:15:08.000		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC * 486.02 +/-	3R3	4	0	3,945,262:10:8	
1571	97	127	14:15:08.000		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 486.02 +/-	3R3	4	0	3,945,262:10:8	
1572	97	127	14:16:01.466	175ID422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,263:00:0	
1573	97	127	14:16:01.466		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC * 298.05 +/-	3R3	4	0	3,945,263:00:0	
1574	97	127	14:16:02.666		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 297.05 +/-	3R3	4	0	3,945,263:01:8	
1575	97	127	14:17:14.133	488BB6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	3R3	4	0	3,945,264:18:0	
1576	97	127	14:20:37.466	465KC6A	6DTRN	CMD,6DTRN,465KC6	DMS TRACK TURNAROUND	3R3	4	0	3,945,267:50:0	
1577	97	127	14:20:37.466		DMS:	: *DMS-TURN	P7, TRACK 2, REV, TIC 297.05 +/-	3R3	4	0	3,945,267:50:0	
1578	97	127	14:20:37.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 297.05 +/-	3R3	4	0	3,945,267:50:0	
1579	97	127	14:20:38.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 297.17 +/-	3R3	4	0	3,945,267:52:1	
1580	97	127	14:20:44.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 298.41 +/-	3R3	4	0	3,945,267:60:0	
1581	97	127	14:20:45.333		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC * 298.47 +/-	3R3	4	0	3,945,267:61:8	
1582	97	127	14:20:46.733		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC * 298.35 +/-	3R3	4	0	3,945,267:63:9	
1583	97	127	14:27:46.866		DMS:	: *REVERSE	P7, TRACK 2, REV, TIC * 199.87 +/-	3R3	4	0	3,945,274:57:1	
1584	97	127	14:27:48.066		DMS:	: *RUNUP	P7, TRACK 3, FWD, TIC 199.81 +/-	3R3	4	0	3,945,274:58:9	
1585	97	127	14:27:48.066		DMS:	: *TURNARND	P7, TRACK *3, *FWD, TIC * 199.81 +/-	3R3	4	0	3,945,274:58:9	
1586	97	127	14:27:49.466		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC * 199.93 +/-	3R3	4	0	3,945,274:61:0	
1587	97	127	14:28:01.466		DMS:	: *AUTOSTOP	P7, TRACK 3, FWD, TIC * 202.06 +/-	3R3	4	0	3,945,274:79:0	
1588	97	127	14:28:02.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 202.12 +/-	3R3	4	0	3,945,274:80:8	
1589	97	127	14:30:00.133	488BB6C	6TMSED	NORM,GL5	Sci, Eng, and D/L Chan	3R3	4	0	3,945,276:75:0	
1590	**97**	**127**	**14:34:17.466**	**G8GNURUK__01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
1591	97	127	14:35:13.466	165DY4A	7SCAN	NORM,237.775,-23	Check S/P Position	3R3	4	0	3,945,281:90:0	
1592	97	127	14:35:14.800	175DY422A6A	6DMSC	R7,3	DMS Control	3R3	4	0	3,945,282:01:0	
1593	97	127	14:35:14.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 202.12 +/-	3R3	4	0	3,945,282:01:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1594	97	127	14:35:21.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 202.12 +/-	3R3	4	0	3,945,282:11:0	
1595	97	127	14:35:22.800	175DY176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	3,945,282:13:0	
1596	97	127	14:35:22.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 202.24 +/-	3R3	4	0	3,945,282:13:1	
1597	97	127	14:35:22.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 202.24 +/-	3R3	4	0	3,945,282:13:1	
1598	97	127	14:36:05.466	117DY	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,945,282:77:0	
1599	97	127	14:36:13.466	165DY4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,282:89:0	
1600	**97**	**127**	**14:36:14.800**	**G8GNURUK__01-**	**NIMPBK**	**301DX**	**URUK SULCUS & CRATERS & GROOVES**	**3R3**	**4**	**0**	**: :**	
1601	97	127	14:36:14.800	117DY105A106A4A	7STRP	-0.017002,0.0,0,	Slew =,0.03	3R3	4	0	3,945,283:00:0	
1602	**97**	**127**	**14:40:42.133**	**G8GNURUK__01-**	**DESELC**	**300DX**	**URUK SULCUS & CRATERS & GROOVES**	**3R3**	**4**	**0**	**: :**	
1603	**97**	**127**	**14:40:42.800**	**G8GNURUK__01-**	**NIMPBK**	**301FV**	**URUK SULCUS & CRATERS & GROOVES**	**3R3**	**4**	**0**	**: :**	
1604	97	127	14:45:42.800	117DY105A106A4B	7STRP	0.015901,-0.008,	Slew =,6.01	3R3	4	0	3,945,292:33:0	
1605	97	127	14:45:48.800	117DY105A106A4C	7STRP	-0.017002,0.0,0,	Slew =,0.03	3R3	4	0	3,945,292:42:0	
1606	**97**	**127**	**14:55:16.133**	**G8GNURUK__01-**	**DESELC**	**300FV**	**URUK SULCUS & CRATERS & GROOVES**	**3R3**	**4**	**0**	**: :**	
1607	97	127	14:55:16.800	117DY11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,945,301:75:0	
1608	97	127	14:55:18.800	175DY6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,945,301:78:0	
1609	97	127	14:55:18.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 482.54 +/-	3R3	4	0	3,945,301:78:0	
1610	97	127	14:55:18.800	175DY422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,301:78:0	
1611	97	127	14:55:20.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 482.60 +/-	3R3	4	0	3,945,301:79:8	
1612	**97**	**127**	**14:55:31.466**	**G8GNURUK__01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
1613	**97**	**127**	**14:55:31.466**	**G8GNTRANSI01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
1614	97	127	14:55:33.466	165IE4A	7SCAN	NORM,234.487,-25	Check S/P Position	3R3	4	0	3,945,302:09:0	
1615	97	127	14:56:00.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 482.60 +/-	3R3	4	0	3,945,302:50:0	
1616	97	127	14:56:00.800	175IE422A6A	6DMSC	R806,3	DMS Control	3R3	4	0	3,945,302:50:0	
1617	97	127	14:56:07.466		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 482.60 +/-	3R3	4	0	3,945,302:60:0	
1618	97	127	14:56:09.466	165IE4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,302:63:0	
1619	97	127	14:56:12.133	175IE176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	3,945,302:67:0	
1620	97	127	14:56:12.733		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC * 548.60 +/-	3R3	4	0	3,945,302:67:9	
1621	97	127	14:56:12.733		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 548.60 +/-	3R3	4	0	3,945,302:67:9	
1622	97	127	14:56:19.466		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC * 714.30 +/-	3R3	4	0	3,945,302:78:0	
1623	97	127	14:56:19.466	175IE422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,302:78:0	
1624	97	127	14:56:22.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 725.80 +/-	3R3	4	0	3,945,302:82:1	
1625	97	127	14:56:27.466	165DZ4A	7SCAN	NORM,239.570999,	Check S/P Position	3R3	4	0	3,945,302:90:0	
1626	97	127	14:57:17.466	175DZ422A6A	6DMSC	R7,3	DMS Control	3R3	4	0	3,945,303:74:0	
1627	97	127	14:57:17.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 725.80 +/-	3R3	4	0	3,945,303:74:0	
1628	97	127	14:57:19.466	117DZ	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,945,303:77:0	
1629	97	127	14:57:24.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 725.80 +/-	3R3	4	0	3,945,303:84:0	
1630	97	127	14:57:25.466	175DZ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	3,945,303:86:0	
1631	97	127	14:57:25.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 725.92 +/-	3R3	4	0	3,945,303:86:1	
1632	97	127	14:57:25.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 725.92 +/-	3R3	4	0	3,945,303:86:1	
1633	97	127	14:57:27.466	165DZ4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,303:89:0	
1634	**97**	**127**	**14:57:28.800**	**G8GNTRANSI01-**	**NIMPBK**	**301DY**	**TRANSITION BOUNDARY SULCUS AND G**	**3R3**	**4**	**0**	**: :**	
1635	97	127	14:57:28.800	117DZ105A106A4A	7STRP	-0.013501,0.0,0,	Slew =,0.03	3R3	4	0	3,945,304:00:0	
1636	97	127	15:03:26.133	488BB6D	6TMSED	FILL,GL5	Sci, Eng, and D/L Chan	3R3	4	0	3,945,309:81:0	
1637	**97**	**127**	**15:04:59.466**	**G8GNTRANSI01-**	**DESELC**	**300DY**	**TRANSITION BOUNDARY SULCUS AND G**	**3R3**	**4**	**0**	**: :**	
1638	97	127	15:05:00.133	117DZ11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,945,311:40:0	
1639	97	127	15:05:01.466	175DZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,311:42:0	
1640	97	127	15:05:01.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 832.78 +/-	3R3	4	0	3,945,311:42:0	
1641	97	127	15:05:01.466	175DZ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,945,311:42:0	
1642	97	127	15:05:02.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 832.84 +/-	3R3	4	0	3,945,311:43:8	
1643	97	127	15:05:38.133	118IF	**SMOS**	GS		3R3	4	0	3,945,312:06:0	
1644	**97**	**127**	**15:05:38.133**	**G8GNTRANSI01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
1645	97	127	15:05:40.133	165IF4A	7SCAN	NORM,231.119999,	Check S/P Position	3R3	4	0	3,945,312:09:0	
1646	97	127	15:06:07.466	175IF422A6A	6DMSC	R806,3	DMS Control	3R3	4	0	3,945,312:50:0	
1647	97	127	15:06:07.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 832.84 +/-	3R3	4	0	3,945,312:50:0	
1648	97	127	15:06:14.133		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 832.84 +/-	3R3	4	0	3,945,312:60:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1649	97	127	15:06:16.133	165IF4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,312:63:0	
1650	97	127	15:06:18.800	175IF176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	3,945,312:67:0	
1651	97	127	15:06:19.400		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 898.84 +/-	3R3	4	0	3,945,312:67:9	
1652	97	127	15:06:19.400		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC * 898.84 +/-	3R3	4	0	3,945,312:67:9	
1653	97	127	15:06:19.466	118IF110A111A4A	7STRP	0.00762,0.0,26,0	Slew =,3.71	3R3	4	0	3,945,312:68:0	
1654	97	127	15:06:28.133	118IF11A	**SMOS**	GE		3R3	4	0	3,945,312:81:0	
1655	97	127	15:06:34.133	165EA4A	7SCAN	NORM,235.376999,	Check S/P Position	3R3	4	0	3,945,312:90:0	
1656	97	127	15:06:34.800	175IF422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,313:00:0	
1657	97	127	15:06:34.800		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *1277.83 +/-	3R3	4	0	3,945,313:00:0	
1658	97	127	15:06:37.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1289.33 +/-	3R3	4	0	3,945,313:04:1	
1659	**97**	**127**	**15:06:38.800**	**G8GNLIDARK01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
1660	97	127	15:07:24.133	175EA422A6A	6DMSC	R7,3	DMS Control	3R3	4	0	3,945,313:74:0	
1661	97	127	15:07:24.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1289.33 +/-	3R3	4	0	3,945,313:74:0	
1662	97	127	15:07:26.133	117EA	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,945,313:77:0	
1663	97	127	15:07:30.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1289.33 +/-	3R3	4	0	3,945,313:84:0	
1664	97	127	15:07:32.133	175EA176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	3,945,313:86:0	
1665	97	127	15:07:32.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1289.45 +/-	3R3	4	0	3,945,313:86:1	
1666	97	127	15:07:32.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1289.45 +/-	3R3	4	0	3,945,313:86:1	
1667	97	127	15:07:34.133	165EA4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,313:89:0	
1668	**97**	**127**	**15:07:35.466**	**G8GNLIDARK01-**	**NIMPBK**	**301DZ**	**LITE DARK MATERIAL**	**3R3**	**4**	**0**	**: :**	
1669	97	127	15:07:35.466	117EA105A106A4A	7STRP	-0.0105,0.0,0,0,	Slew =,0.03	3R3	4	0	3,945,314:00:0	
1670	**97**	**127**	**15:13:26.133**	**G8GNLIDARK01-**	**DESELC**	**300DZ**	**LITE DARK MATERIAL**	**3R3**	**4**	**0**	**: :**	
1671	97	127	15:13:26.800	117EA11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,945,319:72:0	
1672	97	127	15:13:28.133	175EA422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,319:74:0	
1673	97	127	15:13:28.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1372.87 +/-	3R3	4	0	3,945,319:74:0	
1674	97	127	15:13:28.133	175EA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,945,319:74:0	
1675	97	127	15:13:29.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1372.93 +/-	3R3	4	0	3,945,319:75:8	
1676	**97**	**127**	**15:13:43.466**	**G8GNLIDARK01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
1677	97	127	15:13:44.800	165IG4A	7SCAN	NORM,235.608,-24	Check S/P Position	3R3	4	0	3,945,320:08:0	
1678	97	127	15:14:44.133	118IG	**SMOS**	GS		3R3	4	0	3,945,321:06:0	
1679	97	127	15:14:56.133	175IG422A6A	6DMSC	R806,3	DMS Control	3R3	4	0	3,945,321:24:0	
1680	97	127	15:14:56.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1372.93 +/-	3R3	4	0	3,945,321:24:0	
1681	97	127	15:15:02.800		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 1372.93 +/-	3R3	4	0	3,945,321:34:0	
1682	97	127	15:15:04.800	165IG4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,321:37:0	
1683	97	127	15:15:07.466	175IG176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	3,945,321:41:0	
1684	97	127	15:15:08.066		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 1438.93 +/- 1	3R3	4	0	3,945,321:41:9	
1685	97	127	15:15:08.066		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *1438.93 +/-	3R3	4	0	3,945,321:41:9	
1686	97	127	15:15:08.133	118IG110A111A4A	7STRP	0.00762,0.0,26,0	Slew =,3.71	3R3	4	0	3,945,321:42:0	
1687	97	127	15:15:16.800	118IG11A	**SMOS**	GE		3R3	4	0	3,945,321:55:0	
1688	97	127	15:15:23.466	175IG422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,321:65:0	
1689	97	127	15:15:23.466		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *1817.91 +/- 1	3R3	4	0	3,945,321:65:0	
1690	97	127	15:15:26.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1829.41 +/- 1	3R3	4	0	3,945,321:69:1	
1691	97	127	15:15:44.800	118IH	**SMOS**	GS		3R3	4	0	3,945,322:06:0	
1692	97	127	15:15:46.800	165IH4A	7SCAN	NORM,231.648998,	Check S/P Position	3R3	4	0	3,945,322:09:0	
1693	97	127	15:16:14.133	175IH422A6A	6DMSC	R806,3	DMS Control	3R3	4	0	3,945,322:50:0	
1694	97	127	15:16:14.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1829.41 +/- 1	3R3	4	0	3,945,322:50:0	
1695	97	127	15:16:20.800		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 1829.41 +/- 1	3R3	4	0	3,945,322:60:0	
1696	97	127	15:16:22.800	165IH4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,322:63:0	
1697	97	127	15:16:25.466	175IH176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	3,945,322:67:0	
1698	97	127	15:16:26.066		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *1895.41 +/- 1	3R3	4	0	3,945,322:67:9	
1699	97	127	15:16:26.066		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 1895.41 +/- 1	3R3	4	0	3,945,322:67:9	
1700	97	127	15:16:26.133	118IH110A111A4A	7STRP	0.00762,0.0,26,0	Slew =,3.71	3R3	4	0	3,945,322:68:0	
1701	97	127	15:16:34.800	118IH11A	**SMOS**	GE		3R3	4	0	3,945,322:81:0	
1702	97	127	15:16:41.466		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *2274.40 +/- 1	3R3	4	0	3,945,323:00:0	
1703	97	127	15:16:41.466	175IH422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,323:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1704	97	127	15:16:44.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2285.90 +/- 1	3R3	4	0	3,945,323:04:1	
1705	97	127	15:17:00.133	165II4A	7SCAN	NORM,229.612,-29	Check S/P Position	3R3	4	0	3,945,323:28:0	
1706	97	127	15:17:40.800	175II422A6A	6DMSC	R806,3	DMS Control	3R3	4	0	3,945,323:89:0	
1707	97	127	15:17:40.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2285.90 +/- 1	3R3	4	0	3,945,323:89:0	
1708	97	127	15:17:42.800	118II	**SMOS**	GS		3R3	4	0	3,945,324:01:0	
1709	97	127	15:17:47.466		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 2285.90 +/- 1	3R3	4	0	3,945,324:08:0	
1710	97	127	15:17:49.466	165II4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,324:11:0	
1711	97	127	15:17:52.133	175II176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	3,945,324:15:0	
1712	97	127	15:17:52.733		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 2351.90 +/- 2	3R3	4	0	3,945,324:15:9	
1713	97	127	15:17:52.733		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *2351.90 +/- 1	3R3	4	0	3,945,324:15:9	
1714	97	127	15:17:52.800	118II110A111A4A	7STRP	0.00762,0.0,26,0	Slew =,4.87	3R3	4	0	3,945,324:16:0	
1715	97	127	15:18:10.133	118II110A111A4B	7STRP	-0.00762,-0.0076	Slew =,4.87	3R3	4	0	3,945,324:42:0	
1716	97	127	15:18:18.800	118II110A111A4C	7STRP	0.00762,0.0,26,0	Slew =,4.87	3R3	4	0	3,945,324:55:0	
1717	97	127	15:18:36.133	118II11A	**SMOS**	GE		3R3	4	0	3,945,324:81:0	
1718	97	127	15:18:42.800	175II422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,325:00:0	
1719	97	127	15:18:42.800		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *3584.01 +/- 2	3R3	4	0	3,945,325:00:0	
1720	97	127	15:18:45.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3595.51 +/- 2	3R3	4	0	3,945,325:04:1	
1721	97	127	15:18:51.466	411AA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,945,325:13:0	
1722	97	127	15:18:51.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3595.51 +/- 2	3R3	4	0	3,945,325:13:0	
1723	97	127	15:18:58.133		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 3595.51 +/- 2	3R3	4	0	3,945,325:23:0	
1724	97	127	15:18:59.533		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3595.63 +/- 2	3R3	4	0	3,945,325:25:1	
1725	97	127	15:18:59.533		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3595.63 +/- 2	3R3	4	0	3,945,325:25:1	
1726	97	127	15:19:01.466	411AA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	3R3	4	0	3,945,325:28:0	
1727	97	127	15:20:57.466	165JG4A	7SCAN	NORM,226.037998,	Check S/P Position	3R3	4	0	3,945,327:20:0	
1728	97	127	15:21:02.800	411AA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,945,327:28:0	
1729	97	127	15:21:03.466	411AA6D	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,327:29:0	
1730	97	127	15:21:03.466		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3624.67 +/- 2	3R3	4	0	3,945,327:29:0	
1731	97	127	15:21:04.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3624.73 +/- 2	3R3	4	0	3,945,327:30:8	
1732	97	127	15:21:07.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3624.73 +/- 2	3R3	4	0	3,945,327:35:0	
1733	97	127	15:21:07.466	175JG422A6A	6DMSC	R115,3	DMS Control	3R3	4	0	3,945,327:35:0	
1734	97	127	15:21:12.800	165JG4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,327:43:0	
1735	97	127	15:21:14.133		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3624.73 +/- 2	3R3	4	0	3,945,327:45:0	
1736	97	127	15:21:17.466	175JG176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	3R3	4	0	3,945,327:50:0	
1737	97	127	15:21:18.133		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3631.03 +/- 2	3R3	4	0	3,945,327:51:0	
1738	97	127	15:21:18.133		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3631.03 +/- 2	3R3	4	0	3,945,327:51:0	
1739	97	127	15:21:44.800	175JG422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,328:00:0	
1740	97	127	15:21:44.800		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3724.78 +/- 2	3R3	4	0	3,945,328:00:0	
1741	97	127	15:21:46.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3725.78 +/- 2	3R3	4	0	3,945,328:01:8	
1742	97	127	15:21:48.800	118IJ	**SMOS**	GS		3R3	4	0	3,945,328:06:0	
1743	97	127	15:21:50.800	165IJ4A	7SCAN	NORM,230.639999,	Check S/P Position	3R3	4	0	3,945,328:09:0	
1744	97	127	15:22:18.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3725.78 +/- 2	3R3	4	0	3,945,328:50:0	
1745	97	127	15:22:18.133	175IJ422A6A	6DMSC	R806,3	DMS Control	3R3	4	0	3,945,328:50:0	
1746	97	127	15:22:24.800		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 3725.78 +/- 2	3R3	4	0	3,945,328:60:0	
1747	97	127	15:22:26.800	165IJ4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,328:63:0	
1748	97	127	15:22:29.466	175IJ176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	3,945,328:67:0	
1749	97	127	15:22:30.066		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *3791.78 +/- 2	3R3	4	0	3,945,328:67:9	
1750	97	127	15:22:30.066		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 3791.78 +/- 2	3R3	4	0	3,945,328:67:9	
1751	97	127	15:22:30.133	118IJ110A111A4A	7STRP	0.00762,0.0009,2	Slew =,4.87	3R3	4	0	3,945,328:68:0	
1752	97	127	15:22:38.800	118IJ11A	**SMOS**	GE		3R3	4	0	3,945,328:81:0	
1753	97	127	15:22:45.466		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *4170.77 +/- 2	3R3	4	0	3,945,329:00:0	
1754	97	127	15:22:45.466	175IJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,329:00:0	
1755	97	127	15:22:48.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4182.27 +/- 2	3R3	4	0	3,945,329:04:1	
1756	97	127	15:22:51.466	165IK4A	7SCAN	NORM,231.418999,	Check S/P Position	3R3	4	0	3,945,329:09:0	
1757	97	127	15:23:18.800	175IK422A6A	6DMSC	R806,3	DMS Control	3R3	4	0	3,945,329:50:0	
1758	97	127	15:23:18.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4182.27 +/- 2	3R3	4	0	3,945,329:50:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1759	97	127	15:23:25.466		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 4182.27 +/- 2	3R3	4	0	3,945,329:60:0	
1760	97	127	15:23:27.466	165IK4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,329:63:0	
1761	97	127	15:23:30.133	175IK176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	3,945,329:67:0	
1762	97	127	15:23:30.733		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *4248.27 +/- 2	3R3	4	0	3,945,329:67:9	
1763	97	127	15:23:30.733		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 4248.27 +/- 3	3R3	4	0	3,945,329:67:9	
1764	97	127	15:23:37.466		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *4413.97 +/- 3	3R3	4	0	3,945,329:78:0	
1765	97	127	15:23:37.466	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,329:78:0	
1766	97	127	15:23:40.200		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4425.47 +/- 3	3R3	4	0	3,945,329:82:1	
1767	97	127	15:23:50.133	118IW	**SMOS**	GS		3R3	4	0	3,945,330:06:0	
1768	**97**	**127**	**15:23:50.133**	**G8GNMELCAR01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
1769	97	127	15:23:52.133	165IW4A	7SCAN	NORM,225.384998,	Check S/P Position	3R3	4	0	3,945,330:09:0	
1770	97	127	15:24:19.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4425.47 +/- 3	3R3	4	0	3,945,330:50:0	
1771	97	127	15:24:19.466	175IW422A6A	6DMSC	R806,3	DMS Control	3R3	4	0	3,945,330:50:0	
1772	97	127	15:24:26.133		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 4425.47 +/- 3	3R3	4	0	3,945,330:60:0	
1773	97	127	15:24:28.133	165IW4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,330:63:0	
1774	97	127	15:24:30.800	175IW176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	3R3	4	0	3,945,330:67:0	
1775	97	127	15:24:31.400		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 4491.47 +/- 3	3R3	4	0	3,945,330:67:9	
1776	97	127	15:24:31.400		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *4491.47 +/- 3	3R3	4	0	3,945,330:67:9	
1777	97	127	15:24:31.466	118IW110A111A4A	7STRP	0.00762,0.0009,2	Slew =,4.87	3R3	4	0	3,945,330:68:0	
1778	97	127	15:24:40.133	118IW11A	**SMOS**	GE		3R3	4	0	3,945,330:81:0	
1779	97	127	15:24:46.133	165EB4A	7SCAN	NORM,225.283998,	Check S/P Position	3R3	4	0	3,945,330:90:0	
1780	97	127	15:24:46.800	175IW422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,331:00:0	
1781	97	127	15:24:46.800		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *4870.46 +/- 3	3R3	4	0	3,945,331:00:0	
1782	97	127	15:24:49.533		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4881.96 +/- 3	3R3	4	0	3,945,331:04:1	
1783	97	127	15:26:36.800	175LA422A6A	6DMSC	R7,3	DMS Control	3R3	4	0	3,945,332:74:0	
1784	97	127	15:26:36.800		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4881.96 +/- 3	3R3	4	0	3,945,332:74:0	
1785	97	127	15:26:38.800	117EB	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,945,332:77:0	
1786	97	127	15:26:43.466		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4881.96 +/- 3	3R3	4	0	3,945,332:84:0	
1787	97	127	15:26:44.800	175LA176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	3,945,332:86:0	
1788	97	127	15:26:44.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4882.08 +/- 3	3R3	4	0	3,945,332:86:1	
1789	97	127	15:26:44.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4882.08 +/- 3	3R3	4	0	3,945,332:86:1	
1790	97	127	15:26:46.800	165EB4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,332:89:0	
1791	**97**	**127**	**15:26:48.133**	**G8GNMELKAR01-**	**NIMPBK**	**301EA**	**MELKAR**	**3R3**	**4**	**0**	**: :**	
1792	97	127	15:26:48.133	117EB105A106A4A	7STRP	0.015201,0.0,0,0	Slew =,0.03	3R3	4	0	3,945,333:00:0	
1793	**97**	**127**	**15:35:16.133**	**G8GNMELKAR01-**	**DESELC**	**300EA**	**MELKAR**	**3R3**	**4**	**0**	**: :**	
1794	97	127	15:35:18.133	175LA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,945,341:37:0	
1795	97	127	15:35:18.133	175LA422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,341:37:0	
1796	97	127	15:35:18.133	117EB11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,945,341:37:0	
1797	97	127	15:35:18.133		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5002.37 +/- 3	3R3	4	0	3,945,341:37:0	
1798	97	127	15:35:19.333		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5002.43 +/- 3	3R3	4	0	3,945,341:38:8	
1799	**97**	**127**	**15:35:58.133**	**G8GNDARTRL01-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
1800	97	127	15:36:44.133		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5002.43 +/- 3	3R3	4	0	3,945,342:75:0	
1801	97	127	15:36:44.133	175TA422A6A	6DMSC	R7,3	DMS Control	3R3	4	0	3,945,342:75:0	
1802	97	127	15:36:50.800		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5002.43 +/- 3	3R3	4	0	3,945,342:85:0	
1803	97	127	15:36:52.133	175TA176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	3R3	4	0	3,945,342:87:0	
1804	97	127	15:36:52.133	282NA431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	3R3	4	0	3,945,342:87:0	
1805	97	127	15:36:52.200		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5002.55 +/- 3	3R3	4	0	3,945,342:87:1	
1806	97	127	15:36:52.200		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5002.55 +/- 3	3R3	4	0	3,945,342:87:1	
1807	97	127	15:36:54.133	165EC4A	7SCAN	NORM,216.216999,	Check S/P Position	3R3	4	0	3,945,342:90:0	
1808	97	127	15:36:54.800	431OB6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	3R3	4	0	3,945,343:00:0	
1809	**97**	**127**	**15:36:58.800**	**G8GNMELCAR01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
1810	97	127	15:38:52.800	428JD6A	6RCCLR			3R3	4	0	3,945,344:86:0	
1811	97	127	15:38:53.466	428JD6B	6RCSET		12	3R3	4	0	3,945,344:87:0	
1812	97	127	15:39:52.133	127EC	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,945,345:84:0	
1813	**97**	**127**	**15:39:52.800**	**127EC4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,945,345:85:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1814	97	127	15:40:00.800	127EC11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,945,346:06:0	
1815	97	127	15:40:48.133	117EC	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,945,346:77:0	
1816	97	127	15:40:48.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5058.01 +/- 3	3R3	4	0	3,945,346:78:0	
1817	97	127	15:40:48.800	175EC422A6A	6DMSC	R28,3	DMS Control	3R3	4	0	3,945,346:78:0	
1818	97	127	15:40:50.000		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC *5058.07 +/- 3	3R3	4	0	3,945,346:79:8	
1819	97	127	15:40:54.000		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *5059.57 +/- 3	3R3	4	0	3,945,346:85:8	
1820	97	127	15:40:54.000		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 5059.57 +/- 3	3R3	4	0	3,945,346:85:8	
1821	97	127	15:40:54.133	175EC176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	3R3	4	0	3,945,346:86:0	
1822	97	127	15:40:56.133	165EC4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,346:89:0	
1823	**97**	**127**	**15:40:57.466**	**G8GNDARTRL01-**	**NIMPBK**	**301EB**	**DARK MATERIAL IN MARIUS REGIO TR**	**3R3**	**4**	**0**	**: :**	
1824	97	127	15:40:57.466	117EC105A106A4A	7STRP	-0.012001,0.0,0,	Slew =,0.03	3R3	4	0	3,945,347:00:0	
1825	**97**	**127**	**15:44:18.133**	**G8GNDARTRL01-**	**DESELC**	**300EB**	**DARK MATERIAL IN MARIUS REGIO TR**	**3R3**	**4**	**0**	**: :**	
1826	**97**	**127**	**15:44:18.800**	**G8GNDARTRL01-**	**NIMPBK**	**301FW**	**DARK MATERIAL IN MARIUS REGIO TR**	**3R3**	**4**	**0**	**: :**	
1827	97	127	15:44:50.133	428JG6A	6RCCLR			3R3	4	0	3,945,350:76:0	
1828	97	127	15:44:50.800	428JG6B	6RCSET		8	3R3	4	0	3,945,350:77:0	
1829	**97**	**127**	**15:47:38.133**	**G8GNDARTRL01-**	**DESELC**	**300FW**	**DARK MATERIAL IN MARIUS REGIO TR**	**3R3**	**4**	**0**	**: :**	
1830	97	127	15:47:38.800	117EC11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,945,353:56:0	
1831	97	127	15:47:40.133		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *5416.52 +/- 3	3R3	4	0	3,945,353:58:0	
1832	97	127	15:47:40.133	175TB422A6A	6DMSC	R7,3	DMS Control	3R3	4	0	3,945,353:58:0	
1833	97	127	15:47:41.333		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *5416.82 +/- 3	3R3	4	0	3,945,353:59:8	
1834	97	127	15:47:42.733		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5416.94 +/- 3	3R3	4	0	3,945,353:61:9	
1835	97	127	15:47:42.733		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5416.94 +/- 3	3R3	4	0	3,945,353:61:9	
1836	97	127	15:47:42.800	175TB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	3R3	4	0	3,945,353:62:0	
1837	**97**	**127**	**15:48:06.133**	**G8GNDARTRL01-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
1838	97	127	15:59:38.133	488BB6E	6TMSED	FILL,GL6	Sci, Eng, and D/L Chan	3R3	4	0	3,945,365:43:0	
1839	97	127	16:04:12.800	428JF6A	6RCCLR			3R3	4	0	3,945,370:00:0	
1840	97	127	16:08:14.800	165GK4A	7SCAN	NORM,105.334,17.	Check S/P Position	3R3	4	0	3,945,373:90:0	
1841	97	127	16:12:08.800	117GK	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,945,377:77:0	
1842	97	127	16:12:16.800	165GK4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,377:89:0	
1843	97	127	16:12:18.133	117GK105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =0,0.9	3R3	4	0	3,945,378:00:0	
1844	97	127	16:12:40.133	117GK11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,945,378:33:0	
1845	97	127	16:15:19.466	165GL4A	7SCAN	NORM,92.761,20.0	Check S/P Position	3R3	4	0	3,945,380:90:0	
1846	97	127	16:19:13.466	117GL	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,945,384:77:0	
1847	97	127	16:19:21.466	165GL4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,384:89:0	
1848	97	127	16:19:22.800	117GL105A106A4A	7STRP	0.0,-0.006,0,0,0	Slew =,0.66	3R3	4	0	3,945,385:00:0	
1849	97	127	16:19:44.800	117GL11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,945,385:33:0	
1850	97	127	16:22:22.800	432MA431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	3R3	4	0	3,945,387:88:0	
1851	97	127	16:22:23.466	432MA6A	6RTSL1		R/T Select of DDS and	3R3	4	0	3,945,387:89:0	
1852	97	127	16:22:26.800		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5905.39 +/- 3	3R3	4	0	3,945,388:03:0	
1853	97	127	16:22:26.800	432OD431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	3R3	4	0	3,945,388:03:0	
1854	97	127	16:22:26.800	175TB422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,388:03:0	
1855	97	127	16:22:27.466	432OD6A	6RTSL1		R/T Select of DDS and	3R3	4	0	3,945,388:04:0	
1856	97	127	16:22:28.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5905.45 +/- 3	3R3	4	0	3,945,388:04:8	
1857	97	127	16:22:30.800	282NB431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	3R3	4	0	3,945,388:09:0	
1858	97	127	16:23:19.466	282NB432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	3R3	4	0	3,945,388:82:0	
1859	97	127	16:23:20.133	282NB432A6A	6RTSL1		R/T Select of DDS and	3R3	4	0	3,945,388:83:0	
1860	97	127	16:34:31.466		DMS:	: *DMS-TURN	P7, TRACK 3, FWD, TIC 5905.45 +/- 3	3R3	4	0	3,945,399:89:0	
1861	97	127	16:34:31.466		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5905.45 +/- 3	3R3	4	0	3,945,399:89:0	
1862	97	127	16:34:31.466	465KJ6A	6DTRN	CMD,6DTRN,465KJ6	DMS TRACK TURNAROUND	3R3	4	0	3,945,399:89:0	
1863	97	127	16:34:38.133		DMS:	: *RUNUP	P7, TRACK *3, FWD, TIC 5905.45 +/- 3	3R3	4	0	3,945,400:08:0	
1864	97	127	16:34:39.533		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC *5905.57 +/- 3	3R3	4	0	3,945,400:10:1	
1865	97	127	16:43:20.266		DMS:	: *REVERSE	P7, TRACK 3, FWD, TIC *6027.63 +/- 3	3R3	4	0	3,945,408:63:2	
1866	97	127	16:43:21.466		DMS:	: *TURNARND	P7, TRACK *4, *REV, TIC *6027.69 +/- 3	3R3	4	0	3,945,408:65:0	
1867	97	127	16:43:21.466		DMS:	: *RUNUP	P7, TRACK 4, REV, TIC 6027.69 +/- 3	3R3	4	0	3,945,408:65:0	
1868	97	127	16:43:22.866		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC *6027.57 +/-	3R3	4	0	3,945,408:67:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1869	97	127	16:43:34.866		DMS:	: *AUTOSTOP	P7, TRACK 4, REV, TIC *6025.44 +/-	3R3	4	0	3,945,408:85:1	
1870	97	127	16:43:36.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *6025.38 +/-	3R3	4	0	3,945,408:86:9	
1871	97	127	16:53:36.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 6025.38 +/-	3R3	4	0	3,945,418:77:0	
1872	97	127	16:53:36.133	465KK6A	6DMSC	P7,4	DMS Control Tape P/B 7.68kbps	3R3	4	0	3,945,418:77:0	
1873	97	127	16:53:37.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6025.50 +/-	3R3	4	0	3,945,418:79:1	
1874	97	127	16:53:42.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6026.73 +/-	3R3	4	0	3,945,418:87:0	
1875	97	127	16:53:44.000		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC *6026.79 +/-	3R3	4	0	3,945,418:88:8	
1876	97	127	16:53:45.400		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC 6026.67 +/-	3R3	4	0	3,945,418:90:9	
1877	97	127	16:53:45.400		DMS:	: *P_SLEW	P7, TRACK 4, REV, TIC *6026.67 +/-	3R3	4	0	3,945,418:90:9	
1878	97	127	16:54:36.800		DMS:	**: *RUNDOWN**	P7, TRACK 4, REV, TIC *6014.62 +/-	3R3	4	0	3,945,419:77:0	
1879	97	127	16:54:36.800	465KK6B	6DMSC	RDY,4	DMS Control Tape stop	3R3	4	0	3,945,419:77:0	
1880	97	127	16:54:38.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC *6014.56 +/-	3R3	4	0	3,945,419:78:8	
1881	97	127	16:54:45.466	165GN4A	7SCAN	NORM,73.327,22.8	Check S/P Position	3R3	4	0	3,945,419:90:0	
1882	97	127	16:58:39.466	117GN	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,945,423:77:0	
1883	97	127	16:58:48.800	176GN6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	3R3	4	0	3,945,424:00:0	
1884	97	127	16:58:48.800	117GN105A106A4A	7STRP	0.0,0.006,0,0,0,	Slew =,0.41	3R3	4	0	3,945,424:00:0	
1885	97	127	16:59:10.133	117GN11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,945,424:32:0	
1886	97	127	16:59:22.133	176GN6B	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,945,424:50:0	
1887	97	127	16:59:24.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 6014.56 +/-	3R3	4	0	3,945,424:53:0	
1888	97	127	16:59:24.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,945,424:53:0	
1889	97	127	16:59:25.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6014.68 +/-	3R3	4	0	3,945,424:55:1	
1890	97	127	16:59:30.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6015.92 +/-	3R3	4	0	3,945,424:63:0	
1891	97	127	16:59:32.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *6015.98 +/-	3R3	4	0	3,945,424:64:8	
1892	97	127	16:59:33.400		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *6015.86 +/-	3R3	4	0	3,945,424:66:9	
1893	97	127	16:59:34.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *6015.69 +/-	3R3	4	0	3,945,424:68:0	
1894	97	127	16:59:44.133	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,424:83:0	
1895	97	127	16:59:44.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *6013.34 +/-	3R3	4	0	3,945,424:83:0	
1896	97	127	16:59:45.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *6013.28 +/-	3R3	4	0	3,945,424:84:8	
1897	97	127	16:59:48.800	165GO4A	7SCAN	NORM,70.04,25.32	Check S/P Position	3R3	4	0	3,945,424:90:0	
1898	97	127	17:00:50.133	176GO6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	3R3	4	0	3,945,426:00:0	
1899	97	127	17:01:41.466	117GO	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,945,426:77:0	
1900	97	127	17:01:49.466	165GO4B	7VECT		Inert vect update UTC	3R3	4	0	3,945,426:89:0	
1901	97	127	17:01:50.800	117GO105A106A4A	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,427:00:0	
1902	97	127	17:03:36.800	117GO105A106A4B	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,428:68:0	
1903	97	127	17:03:48.800	117GO105A106A4C	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,428:86:0	
1904	97	127	17:05:34.800	117GO105A106A4D	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,430:63:0	
1905	97	127	17:05:46.800	117GO105A106A4E	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,430:81:0	
1906	97	127	17:05:48.133	488BC6A	6TMSED	NORM,GL6	Sci, Eng, and D/L Chan	3R3	4	0	3,945,430:83:0	
1907	97	127	17:07:32.800	117GO105A106A4F	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,432:58:0	
1908	97	127	17:07:44.800	117GO105A106A4G	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,432:76:0	
1909	97	127	17:09:30.800	117GO105A106A4H	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,434:53:0	
1910	97	127	17:09:42.800	117GO105A106A4I	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,434:71:0	
1911	97	127	17:11:28.800	117GO105A106A4J	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,436:48:0	
1912	97	127	17:11:40.800	117GO105A106A4K	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,436:66:0	
1913	97	127	17:13:26.800	117GO105A106A4L	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,438:43:0	
1914	97	127	17:13:38.800	117GO105A106A4M	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,438:61:0	
1915	97	127	17:15:24.800	117GO105A106A4N	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,440:38:0	
1916	97	127	17:15:36.800	117GO105A106A4O	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,440:56:0	
1917	97	127	17:17:22.800	117GO105A106A4P	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,442:33:0	
1918	97	127	17:17:34.800	117GO105A106A4Q	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,442:51:0	
1919	97	127	17:18:02.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 6013.28 +/-	3R3	4	0	3,945,443:02:0	
1920	97	127	17:18:02.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,945,443:02:0	
1921	97	127	17:18:04.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6013.40 +/-	3R3	4	0	3,945,443:04:1	
1922	97	127	17:18:09.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6014.64 +/-	3R3	4	0	3,945,443:12:0	
1923	97	127	17:18:10.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *6014.70 +/-	3R3	4	0	3,945,443:13:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1924	97	127	17:18:12.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *6014.58 +/-	3R3	4	0	3,945,443	15:9
1925	97	127	17:18:38.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *6008.47 +/-	3R3	4	0	3,945,443	55:0
1926	97	127	17:19:00.800		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *6003.16 +/-	3R3	4	0	3,945,443	89:0
1927	97	127	17:19:00.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,443	89:0
1928	97	127	17:19:02.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC *6003.10 +/-	3R3	4	0	3,945,443	90:8
1929	97	127	17:19:20.800	117GO105A106A4R	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,444	28:0
1930	97	127	17:19:32.800	117GO105A106A4S	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,444	46:0
1931	97	127	17:21:18.800	117GO105A106A4T	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,446	23:0
1932	97	127	17:21:30.800	117GO105A106A4U	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,446	41:0
1933	97	127	17:23:16.800	117GO105A106A4V	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,448	18:0
1934	97	127	17:23:28.800	117GO105A106A4W	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,448	36:0
1935	97	127	17:25:14.800	117GO105A106A4X	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,450	13:0
1936	97	127	17:25:26.800	117GO105A106A4Y	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,450	31:0
1937	97	127	17:27:12.800	117GO105A106A4Z	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,452	08:0
1938	97	127	17:27:24.800	117GO105A106A4AA	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,452	26:0
1939	97	127	17:29:10.800	117GO105A106A4AB	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,454	03:0
1940	97	127	17:29:22.800	117GO105A106A4AC	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,454	21:0
1941	97	127	17:31:08.800	117GO105A106A4AD	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,455	89:0
1942	97	127	17:31:20.800	117GO105A106A4AE	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,456	16:0
1943	97	127	17:33:06.800	117GO105A106A4AF	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,457	84:0
1944	97	127	17:33:18.800	117GO105A106A4AG	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,458	11:0
1945	97	127	17:35:04.800	117GO105A106A4AH	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,459	79:0
1946	97	127	17:35:16.800	117GO105A106A4AI	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,460	06:0
1947	97	127	17:35:54.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 6003.10 +/-	3R3	4	0	3,945,460	62:0
1948	97	127	17:35:54.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,945,460	62:0
1949	97	127	17:35:55.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6003.22 +/-	3R3	4	0	3,945,460	64:1
1950	97	127	17:36:00.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6004.45 +/-	3R3	4	0	3,945,460	72:0
1951	97	127	17:36:02.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *6004.51 +/-	3R3	4	0	3,945,460	73:8
1952	97	127	17:36:03.400		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *6004.39 +/-	3R3	4	0	3,945,460	75:9
1953	97	127	17:36:28.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5998.44 +/-	3R3	4	0	3,945,461	23:0
1954	97	127	17:36:51.466		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5993.12 +/-	3R3	4	0	3,945,461	57:0
1955	97	127	17:36:51.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,461	57:0
1956	97	127	17:36:52.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5993.06 +/-	3R3	4	0	3,945,461	58:8
1957	97	127	17:37:02.800	117GO105A106A4AJ	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,461	74:0
1958	97	127	17:37:14.800	117GO105A106A4AK	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,462	01:0
1959	97	127	17:39:00.800	117GO105A106A4AL	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,463	69:0
1960	97	127	17:39:12.800	117GO105A106A4AM	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,463	87:0
1961	97	127	17:40:58.800	117GO105A106A4AN	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,465	64:0
1962	97	127	17:41:10.800	117GO105A106A4AO	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,465	82:0
1963	97	127	17:42:56.800	117GO105A106A4AP	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,467	59:0
1964	97	127	17:43:08.800	117GO105A106A4AQ	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,467	77:0
1965	97	127	17:44:54.800	117GO105A106A4AR	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,469	54:0
1966	97	127	17:45:06.800	117GO105A106A4AS	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,469	72:0
1967	97	127	17:46:52.800	117GO105A106A4AT	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,471	49:0
1968	97	127	17:47:04.800	117GO105A106A4AU	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,471	67:0
1969	97	127	17:48:50.800	117GO105A106A4AV	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,473	44:0
1970	97	127	17:49:02.800	117GO105A106A4AW	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,473	62:0
1971	97	127	17:50:48.800	117GO105A106A4AX	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,475	39:0
1972	97	127	17:51:00.800	117GO105A106A4AY	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,475	57:0
1973	97	127	17:52:46.800	117GO105A106A4AZ	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,477	34:0
1974	97	127	17:52:58.800	117GO105A106A4BA	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,477	52:0
1975	97	127	17:53:45.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,945,478	31:0
1976	97	127	17:53:45.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5993.06 +/-	3R3	4	0	3,945,478	31:0
1977	97	127	17:53:46.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5993.18 +/-	3R3	4	0	3,945,478	33:1
1978	97	127	17:53:52.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5994.42 +/-	3R3	4	0	3,945,478	41:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1979	97	127	17:53:53.333		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5994.48 +/-	3R3	4	0	3,945,478:42:8	
1980	97	127	17:53:54.733		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5994.36 +/-	3R3	4	0	3,945,478:44:9	
1981	97	127	17:54:20.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5988.41 +/-	3R3	4	0	3,945,478:83:0	
1982	97	127	17:54:42.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,479:26:0	
1983	97	127	17:54:42.800		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5983.09 +/-	3R3	4	0	3,945,479:26:0	
1984	97	127	17:54:44.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5983.03 +/-	3R3	4	0	3,945,479:27:8	
1985	97	127	17:54:44.800	117GO105A106A4BB	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,479:29:0	
1986	97	127	17:54:56.800	117GO105A106A4BC	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,479:47:0	
1987	97	127	17:56:42.800	117GO105A106A4BD	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,481:24:0	
1988	97	127	17:56:54.800	117GO105A106A4BE	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,481:42:0	
1989	97	127	17:58:40.800	117GO105A106A4BF	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,483:19:0	
1990	97	127	17:58:52.800	117GO105A106A4BG	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,483:37:0	
1991	97	127	18:00:38.800	117GO105A106A4BH	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,485:14:0	
1992	97	127	18:00:50.800	117GO105A106A4BI	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,485:32:0	
1993	97	127	18:02:36.800	117GO105A106A4BJ	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,487:09:0	
1994	97	127	18:02:48.800	117GO105A106A4BK	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,487:27:0	
1995	97	127	18:04:34.800	117GO105A106A4BL	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,489:04:0	
1996	97	127	18:04:46.800	117GO105A106A4BM	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,489:22:0	
1997	97	127	18:06:32.800	117GO105A106A4BN	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,490:90:0	
1998	97	127	18:06:44.800	117GO105A106A4BO	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,491:17:0	
1999	97	127	18:08:30.800	117GO105A106A4BP	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,492:85:0	
2000	97	127	18:08:42.800	117GO105A106A4BQ	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,493:12:0	
2001	97	127	18:10:28.800	117GO105A106A4BR	7STRP	0.03101,0.007,0,	Slew =12.01	3R3	4	0	3,945,494:80:0	
2002	97	127	18:10:40.800	117GO105A106A4BS	7STRP	-0.03101,-0.005,	Slew =,0.31	3R3	4	0	3,945,495:07:0	
2003	97	127	18:10:46.133	176GO6B	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,945,495:15:0	
2004	97	127	18:10:48.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5983.03 +/-	3R3	4	0	3,945,495:18:0	
2005	97	127	18:10:48.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,945,495:18:0	
2006	97	127	18:10:49.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5983.15 +/-	3R3	4	0	3,945,495:20:1	
2007	97	127	18:10:54.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5984.39 +/-	3R3	4	0	3,945,495:28:0	
2008	97	127	18:10:56.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5984.45 +/-	3R3	4	0	3,945,495:29:8	
2009	97	127	18:10:57.400		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5984.33 +/-	3R3	4	0	3,945,495:31:9	
2010	97	127	18:10:58.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5984.16 +/-	3R3	4	0	3,945,495:33:0	
2011	97	127	18:11:19.466		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5979.16 +/-	3R3	4	0	3,945,495:65:0	
2012	97	127	18:11:19.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,495:65:0	
2013	97	127	18:11:20.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5979.10 +/-	3R3	4	0	3,945,495:66:8	
2014	97	127	18:11:54.133	488BC6B	6TMSED	NORM,GL5	Sci, Eng, and D/L Chan	3R3	4	0	3,945,496:26:0	
2015	97	127	18:12:26.800	117GO11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,945,496:75:0	
2016	97	127	18:29:48.133	165GP4A	7SCAN	NORM,268.966,-25	Check S/P Position	3R3	4	0	3,945,513:90:0	
2017	97	127	18:30:00.133	488BC6C	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	3R3	4	0	3,945,514:17:0	
2018	97	127	18:33:42.133	117GP	**CSMOS**	GS	***** GROUP START CSMOS	3R3	4	0	3,945,517:77:0	
2019	97	127	18:33:51.466	117GP105A106A4A	7STRP	-0.001,0.0,0,0,0	Slew =,0.06	3R3	4	0	3,945,518:00:0	
2020	97	127	18:33:51.466	176GP6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	3R3	4	0	3,945,518:00:0	
2021	97	127	18:34:12.800	117GP11A	**CSMOS**	GE	***** GROUP END CSMOS	3R3	4	0	3,945,518:32:0	
2022	97	127	18:34:24.800	176GP6B	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,945,518:50:0	
2023	97	127	18:34:26.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5979.10 +/-	3R3	4	0	3,945,518:53:0	
2024	97	127	18:34:26.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,945,518:53:0	
2025	97	127	18:34:28.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5979.22 +/-	3R3	4	0	3,945,518:55:1	
2026	97	127	18:34:33.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5980.45 +/-	3R3	4	0	3,945,518:63:0	
2027	97	127	18:34:34.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5980.51 +/-	3R3	4	0	3,945,518:64:8	
2028	97	127	18:34:36.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5980.39 +/-	3R3	4	0	3,945,518:66:9	
2029	97	127	18:34:36.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5980.22 +/-	3R3	4	0	3,945,518:68:0	
2030	97	127	18:34:46.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,518:83:0	
2031	97	127	18:34:46.800		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5977.87 +/-	3R3	4	0	3,945,518:83:0	
2032	97	127	18:34:48.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5977.81 +/-	3R3	4	0	3,945,518:84:8	
2033	97	127	18:36:02.133	165IU4A	7SCAN	NORM,231.317999,	Check S/P Position	3R3	4	0	3,945,520:14:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2034	97	127	18:38:58.800	118IU	**SMOS**	GS		3R3	4	0	3,945,523:06:0	
2035	97	127	18:39:28.800	118IU110A111A4A	7STRP	0.0029,0.0,92,0,	Slew =,1.21	3R3	4	0	3,945,523:51:0	
2036	97	127	18:40:17.466	175IU422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	3R3	4	0	3,945,524:33:0	
2037	97	127	18:40:17.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5977.81 +/-	3R3	4	0	3,945,524:33:0	
2038	97	127	18:40:18.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5977.93 +/-	3R3	4	0	3,945,524:35:1	
2039	97	127	18:40:24.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5979.17 +/-	3R3	4	0	3,945,524:43:0	
2040	97	127	18:40:25.333		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *5979.23 +/-	3R3	4	0	3,945,524:44:8	
2041	97	127	18:40:28.800	175IU176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	3R3	4	0	3,945,524:50:0	
2042	97	127	18:40:29.333		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 5972.93 +/-	3R3	4	0	3,945,524:50:8	
2043	97	127	18:40:29.333		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *5972.93 +/-	3R3	4	0	3,945,524:50:8	
2044	97	127	18:40:30.133	118IU11A	**SMOS**	GE		3R3	4	0	3,945,524:52:0	
2045	97	127	18:43:28.800		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *5341.99 +/-	3R3	4	0	3,945,527:47:0	
2046	97	127	18:43:28.800	175IU422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,945,527:47:0	
2047	97	127	18:43:30.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5340.99 +/-	3R3	4	0	3,945,527:48:8	
2048	**97**	**127**	**18:44:02.133**	**G8INCHEMIS05-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
2049	97	127	18:44:58.133	165ED4A	7SCAN	NORM,232.030998,	Check S/P Position	3R3	4	0	3,945,528:90:0	
2050	**97**	**127**	**18:46:55.466**	**125ED4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,945,530:84:0**	
2051	97	127	18:46:55.466	125ED	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,945,530:84:0	
2052	97	127	18:46:55.466	125ED11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,945,530:84:0	
2053	97	127	18:47:56.133	127ED	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,945,531:84:0	
2054	**97**	**127**	**18:47:56.800**	**127ED4A**	**37ETB**	**07,C7,02,05,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,945,531:85:0**	
2055	97	127	18:48:04.800	127ED11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,945,532:06:0	
2056	97	127	18:48:49.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5340.99 +/-	2R3	4	0	3,945,532:73:0	
2057	97	127	18:48:49.466	175ED422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,945,532:73:0	
2058	97	127	18:48:50.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5341.11 +/-	2R3	4	0	3,945,532:75:1	
2059	97	127	18:48:52.133	117ED	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,945,532:77:0	
2060	97	127	18:48:56.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5342.35 +/-	2R3	4	0	3,945,532:83:0	
2061	97	127	18:48:57.333		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5342.41 +/-	2R3	4	0	3,945,532:84:8	
2062	97	127	18:48:58.133	175ED176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,945,532:86:0	
2063	97	127	18:48:58.733		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5342.29 +/-	2R3	4	0	3,945,532:86:9	
2064	97	127	18:48:58.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5342.29 +/-	2R3	4	0	3,945,532:86:9	
2065	**97**	**127**	**18:49:01.466**	**G8INCHEMIS05-**	**NIMPBK**	**301EC**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
2066	97	127	18:49:01.466	117ED105A106A4A	7STRP	-0.0011,0.0,0,0,	Slew =,0.02	2R3	4	0	3,945,533:00:0	
2067	**97**	**127**	**18:49:57.466**	**G8INCHEMIS05-**	**DESELC**	**300EC**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
2068	97	127	18:49:58.133	117ED11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,945,533:85:0	
2069	**97**	**127**	**18:50:06.133**	**G8INCHEMIS05-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2070	97	127	18:50:09.466		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5325.71 +/-	2R3	4	0	3,945,534:11:0	
2071	97	127	18:50:09.466	175ED422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,945,534:11:0	
2072	97	127	18:50:09.466	175ED6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,945,534:11:0	
2073	97	127	18:50:10.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5325.65 +/-	2R3	4	0	3,945,534:12:8	
2074	**97**	**127**	**18:51:06.799**	**G8INTHRMAL05-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2075	**97**	**127**	**18:52:59.466**	**125EE4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R3**	**4**	**0**	**3,945,536:84:0**	
2076	97	127	18:52:59.466	125EE	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,945,536:84:0	
2077	97	127	18:52:59.466	125EE11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,945,536:84:0	
2078	97	127	18:53:03.466	165EE4A	7SCAN	NORM,232.453999,	Check S/P Position	4R3	4	0	3,945,536:90:0	
2079	97	127	18:54:00.133	127EE	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,945,537:84:0	
2080	**97**	**127**	**18:54:00.800**	**127EE4A**	**37ETB**	**07,C7,02,01,05,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,945,537:85:0**	
2081	97	127	18:54:08.800	127EE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,945,538:06:0	
2082	97	127	18:54:53.466	175EE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,945,538:73:0	
2083	97	127	18:54:53.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5325.65 +/-	4R3	4	0	3,945,538:73:0	
2084	97	127	18:54:54.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5325.77 +/-	4R3	4	0	3,945,538:75:1	
2085	97	127	18:54:56.133	117EE	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,945,538:77:0	
2086	97	127	18:55:00.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5327.00 +/-	4R3	4	0	3,945,538:83:0	
2087	97	127	18:55:01.333		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5327.06 +/-	4R3	4	0	3,945,538:84:8	
2088	97	127	18:55:02.133	175EE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,945,538:86:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2089	97	127	18:55:02.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5326.94 +/-	4R3	4	0	3,945,538:86:9	
2090	97	127	18:55:02.733		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5326.94 +/-	4R3	4	0	3,945,538:86:9	
2091	**97**	**127**	**18:55:05.466**	**G8INTHRMAL05-**	**NIMPBK**	**301ED**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
2092	97	127	18:55:05.466	117EE105A106A4A	7STRP	-0.001,0.0,0,0,0	Slew =,0.02	4R3	4	0	3,945,539:00:0	
2093	**97**	**127**	**18:55:56.133**	**G8INTHRMAL05-**	**DESELC**	**300ED**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
2094	97	127	18:55:56.800	117EE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,945,539:77:0	
2095	97	127	18:56:08.133	175EE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,945,540:03:0	
2096	97	127	18:56:08.133	175EE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,945,540:03:0	
2097	97	127	18:56:08.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5311.61 +/-	4R3	4	0	3,945,540:03:0	
2098	97	127	18:56:09.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5311.55 +/-	4R3	4	0	3,945,540:04:8	
2099	**97**	**127**	**18:56:10.133**	**G8INTHRMAL05-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2100	97	127	18:59:00.133	41A99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	4R3	4	0	3,945,542:79:0	
2101	**97**	**127**	**19:00:54.133**	**41A3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**3,945,544:68:0**	
2102	**97**	**127**	**19:01:04.133**	**41A3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**4R3**	**4**	**0**	**3,945,544:83:0**	
2103	**97**	**127**	**19:01:14.133**	**41A3I**	**40T2**	**1**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**3,945,545:07:0**	
2104	**97**	**127**	**19:01:24.133**	**41A3J**	**40T2**	**2**	**PCT Heater 2 ON**	**4R3**	**4**	**0**	**3,945,545:22:0**	
2105	97	127	19:17:00.133	488BC6D	6TMSED	NORM,CH5	Sci, Eng, and D/L Chan	4R3	4	0	3,945,560:61:0	
2106	97	127	19:29:02.133	490UB412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	4R3	4	0	3,945,572:52:0	
2107	97	127	19:34:00.133	490UB412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4R3	4	0	3,945,577:44:0	
2108	97	127	19:38:10.133	490UB412A4E	7VECT	RTH	Inert vect update UTC	4R3	4	0	3,945,581:55:0	
2109	97	127	19:38:14.133	490UB412A4F	7TURN	1,RTH	ALERT Thruster	4R3	4	0	3,945,581:61:0	
2110	97	127	19:42:02.133	490UB412A406A4A	7STAR	1,3000,95.710999	Star catalog update	4R3	4	0	3,945,585:39:0	
2111	97	127	19:42:04.133	490UB412A406A4B	7STAR	2,121,222.03	Star catalog update	4R3	4	0	3,945,585:42:0	
2112	97	127	19:42:06.133	490UB412A406A4C	7STAR	31,253,185.95	Star catalog update	4R3	4	0	3,945,585:45:0	
2113	97	127	19:42:08.133	490UB412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	4R3	4	0	3,945,585:48:0	
2114	97	127	19:42:10.133	490UB412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	4R3	4	0	3,945,585:51:0	
2115	97	127	19:42:12.133	490UB412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	4R3	4	0	3,945,585:54:0	
2116	97	127	20:52:59.466	432OH431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	3,945,655:55:0	
2117	97	127	20:53:00.133	432OH6A	6RTSL1		R/T Select of DDS and	4R3	4	0	3,945,655:56:0	
2118	97	127	21:06:50.133	488BC6E	6TMSED	NORM,CH6	Sci, Eng, and D/L Chan	4R3	4	0	3,945,669:27:0	
2119	**97**	**127**	**21:07:36.734**	**G8NNHEALTH02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2120	**97**	**127**	**21:08:28.800**	**125KN4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,945,670:84:0**	
2121	97	127	21:08:28.800	125KN11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	3,945,670:84:0	
2122	97	127	21:08:28.800	125KN	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,945,670:84:0	
2123	97	127	21:09:29.466	127KN	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,945,671:84:0	
2124	**97**	**127**	**21:09:30.133**	**127KN4A**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,945,671:85:0**	
2125	97	127	21:09:38.133	127KN11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,945,672:06:0	
2126	97	127	21:09:54.133	432DR6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	3,945,672:30:0	
2127	**97**	**127**	**21:10:53.466**	**432DS6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,945,673:28:0**	
2128	**97**	**127**	**21:12:40.067**	**G8NNHEALTH02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2129	97	127	21:14:40.133	41SH99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	2R3	4	0	3,945,677:04:0	
2130	**97**	**127**	**21:14:44.133**	**41SH3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**2R3**	**4**	**0**	**3,945,677:10:0**	
2131	**97**	**127**	**21:14:54.133**	**41SH3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**2R3**	**4**	**0**	**3,945,677:25:0**	
2132	**97**	**127**	**21:15:04.133**	**41SH3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**2R3**	**4**	**0**	**3,945,677:40:0**	
2133	**97**	**127**	**21:15:14.133**	**41SH3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**2R3**	**4**	**0**	**3,945,677:55:0**	
2134	**97**	**127**	**21:23:47.400**	**G8JNFEA04101-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2135	97	127	21:24:43.466	165EH4A	7SCAN	NORM,265.004997,	Check S/P Position	2R3	4	0	3,945,686:90:0	
2136	97	127	21:25:00.133	488BD6A	6TMSED	NORM,CL6	Sci, Eng, and D/L Chan	2R3	4	0	3,945,687:24:0	
2137	97	127	21:27:41.466	127EH	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,945,689:84:0	
2138	**97**	**127**	**21:27:41.466**	**127EH4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,945,689:84:0**	
2139	**97**	**127**	**21:27:42.133**	**127EH4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,945,689:85:0**	
2140	97	127	21:27:50.133	127EH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,945,690:06:0	
2141	97	127	21:28:34.800	175EH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,945,690:73:0	
2142	97	127	21:28:34.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5311.55 +/-	2R5	4	1	3,945,690:73:0	
2143	97	127	21:28:36.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5311.67 +/-	2R5	4	1	3,945,690:75:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2144	97	127	21:28:37.466	117EH	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,945,690:77:0	
2145	97	127	21:28:41.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5312.91 +/-	2R5	4	1	3,945,690:83:0	
2146	97	127	21:28:42.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5312.97 +/-	2R5	4	1	3,945,690:84:8	
2147	97	127	21:28:43.466	175EH176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,945,690:86:0	
2148	97	127	21:28:44.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5312.85 +/-	2R5	4	1	3,945,690:86:9	
2149	97	127	21:28:44.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5312.85 +/-	2R5	4	1	3,945,690:86:9	
2150	**97**	**127**	**21:28:46.800**	**G8JNFEA04101-**	**NIMPBK**	**301EH**	**JUPITER FEATURE TRACK 41 DEG PHA**	**2R5**	**4**	**1**	**: :**	
2151	97	127	21:28:46.800	117EH105A106A4A	7STRP	-0.011801,0.0,0,	Slew =,0.12	2R5	4	1	3,945,691:00:0	
2152	**97**	**127**	**21:30:26.133**	**G8JNFEA04101-**	**DESELC**	**300EH**	**JUPITER FEATURE TRACK 41 DEG PHA**	**2R5**	**4**	**1**	**: :**	
2153	97	127	21:30:26.800	117EH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,945,692:59:0	
2154	97	127	21:30:38.133	175EH6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,945,692:76:0	
2155	97	127	21:30:38.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5286.11 +/-	2R5	4	1	3,945,692:76:0	
2156	97	127	21:30:38.133	175EH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,945,692:76:0	
2157	97	127	21:30:39.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5286.05 +/-	2R5	4	1	3,945,692:77:8	
2158	97	127	21:30:47.466	165GQ4A	7SCAN	NORM,264.289997,	Check S/P Position	2R5	4	1	3,945,692:90:0	
2159	**97**	**127**	**21:30:52.067**	**G8JNFEA04101-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2160	97	127	21:31:38.800	176GQ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,945,693:76:0	
2161	97	127	21:34:41.466	117GQ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,945,696:77:0	
2162	97	127	21:34:50.800	117GQ105A106A4A	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,697:00:0	
2163	97	127	21:36:49.466	117GQ105A106A4B	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,698:87:0	
2164	97	127	21:36:58.133	117GQ105A106A4C	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,699:09:0	
2165	97	127	21:38:56.800	117GQ105A106A4D	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,701:05:0	
2166	97	127	21:39:05.466	117GQ105A106A4E	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,701:18:0	
2167	97	127	21:41:04.133	117GQ105A106A4F	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,703:14:0	
2168	97	127	21:41:12.800	117GQ105A106A4G	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,703:27:0	
2169	97	127	21:43:11.466	117GQ105A106A4H	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,705:23:0	
2170	97	127	21:43:20.133	117GQ105A106A4I	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,705:36:0	
2171	97	127	21:45:18.800	117GQ105A106A4J	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,707:32:0	
2172	97	127	21:45:27.466	117GQ105A106A4K	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,707:45:0	
2173	97	127	21:47:26.133	117GQ105A106A4L	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,709:41:0	
2174	97	127	21:47:34.800	117GQ105A106A4M	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,709:54:0	
2175	97	127	21:48:51.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5286.05 +/-	2R5	4	1	3,945,710:78:0	
2176	97	127	21:48:51.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,945,710:78:0	
2177	97	127	21:48:52.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5286.17 +/-	2R5	4	1	3,945,710:80:1	
2178	97	127	21:48:58.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5287.41 +/-	2R5	4	1	3,945,710:88:0	
2179	97	127	21:48:59.333		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5287.47 +/-	2R5	4	1	3,945,710:89:8	
2180	97	127	21:49:00.733		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5287.35 +/-	2R5	4	1	3,945,711:00:9	
2181	97	127	21:49:26.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5281.24 +/-	2R5	4	1	3,945,711:40:0	
2182	97	127	21:49:33.466	117GQ105A106A4N	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,711:50:0	
2183	97	127	21:49:42.133	117GQ105A106A4O	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,711:63:0	
2184	97	127	21:49:49.466		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5275.93 +/-	2R5	4	1	3,945,711:74:0	
2185	97	127	21:49:49.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,945,711:74:0	
2186	97	127	21:49:50.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5275.87 +/-	2R5	4	1	3,945,711:75:8	
2187	97	127	21:51:40.800	117GQ105A106A4P	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,713:59:0	
2188	97	127	21:51:49.466	117GQ105A106A4Q	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,713:72:0	
2189	97	127	21:53:48.133	117GQ105A106A4R	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,715:68:0	
2190	97	127	21:53:56.800	117GQ105A106A4S	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,715:81:0	
2191	97	127	21:55:55.466	117GQ105A106A4T	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,717:77:0	
2192	97	127	21:56:04.133	117GQ105A106A4U	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,717:90:0	
2193	97	127	21:58:02.800	117GQ105A106A4V	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,719:86:0	
2194	97	127	21:58:11.466	117GQ105A106A4W	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,720:08:0	
2195	97	127	22:00:04.133	20MJ6A	6CKSUM	MAG,4040,46F0		2R5	4	1	3,945,721:86:0	
2196	97	127	22:00:10.133	117GQ105A106A4X	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,722:04:0	
2197	97	127	22:00:18.800	117GQ105A106A4Y	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,722:17:0	
2198	97	127	22:01:00.133	480MA6A	6MROH	12,2282,0,A2	read from LLM1A12,2282,0,A2	2R5	4	1	3,945,722:79:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2199	97	127	22:01:00.133	480MA6	6MROH	12	read from LLM1A12,2282,0,A2	2R5	4	1	3,945,722:79:0	
2200	97	127	22:02:17.466	117GQ105A106A4Z	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,724:13:0	
2201	97	127	22:02:26.133	117GQ105A106A4AA	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,724:26:0	
2202	97	127	22:04:24.800	117GQ105A106A4AB	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,726:22:0	
2203	97	127	22:04:33.466	117GQ105A106A4AC	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,726:35:0	
2204	97	127	22:06:32.133	117GQ105A106A4AD	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,728:31:0	
2205	97	127	22:06:40.800	117GQ105A106A4AE	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,728:44:0	
2206	97	127	22:06:42.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5275.87 +/-	2R5	4	1	3,945,728:47:0	
2207	97	127	22:06:42.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,945,728:47:0	
2208	97	127	22:06:44.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5275.99 +/-	2R5	4	1	3,945,728:49:1	
2209	97	127	22:06:49.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5277.22 +/-	2R5	4	1	3,945,728:57:0	
2210	97	127	22:06:50.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5277.28 +/-	2R5	4	1	3,945,728:58:8	
2211	97	127	22:06:52.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5277.16 +/-	2R5	4	1	3,945,728:60:9	
2212	97	127	22:07:17.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5271.21 +/-	2R5	4	1	3,945,729:08:0	
2213	97	127	22:07:40.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,945,729:42:0	
2214	97	127	22:07:40.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5265.90 +/-	2R5	4	1	3,945,729:42:0	
2215	97	127	22:07:41.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5265.84 +/-	2R5	4	1	3,945,729:43:8	
2216	97	127	22:08:39.466	117GQ105A106A4AF	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,730:40:0	
2217	97	127	22:08:48.133	117GQ105A106A4AG	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,730:53:0	
2218	97	127	22:10:46.800	117GQ105A106A4AH	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,732:49:0	
2219	97	127	22:10:55.466	117GQ105A106A4AI	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,732:62:0	
2220	97	127	22:12:54.133	117GQ105A106A4AJ	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,734:58:0	
2221	97	127	22:13:02.800	117GQ105A106A4AK	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,734:71:0	
2222	97	127	22:15:01.466	117GQ105A106A4AL	7STRP	-0.034313,-0.001	Slew =0,7.7	2R5	4	1	3,945,736:67:0	
2223	97	127	22:15:10.133	117GQ105A106A4AM	7STRP	0.035014,0.0,0,0	Slew =,0.31	2R5	4	1	3,945,736:80:0	
2224	97	127	22:17:08.800	117GQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,945,738:76:0	
2225	97	127	22:24:34.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5265.84 +/-	2R5	4	1	3,945,746:16:0	
2226	97	127	22:24:34.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,945,746:16:0	
2227	97	127	22:24:35.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5265.96 +/-	2R5	4	1	3,945,746:18:1	
2228	97	127	22:24:40.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5267.19 +/-	2R5	4	1	3,945,746:26:0	
2229	97	127	22:24:42.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5267.25 +/-	2R5	4	1	3,945,746:27:8	
2230	97	127	22:24:43.400		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5267.13 +/-	2R5	4	1	3,945,746:29:9	
2231	97	127	22:25:08.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5261.18 +/-	2R5	4	1	3,945,746:68:0	
2232	97	127	22:25:31.466		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5255.86 +/-	2R5	4	1	3,945,747:11:0	
2233	97	127	22:25:31.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,945,747:11:0	
2234	97	127	22:25:32.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5255.80 +/-	2R5	4	1	3,945,747:12:8	
2235	**97**	**127**	**22:36:35.400**	**G8NNNIMSLD02-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2236	97	127	22:37:36.133	20EC6A	6CKSUM	NIMS	NIMS,1000,14BC	2R5	4	1	3,945,759:06:0	
2237	**97**	**127**	**22:38:36.800**	**20EC5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R5**	**4**	**1**	**3,945,760:06:0**	
2238	**97**	**127**	**22:39:37.466**	**20EC5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R5**	**4**	**1**	**3,945,761:06:0**	
2239	**97**	**127**	**22:40:38.133**	**20EC6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R5**	**4**	**1**	**3,945,762:06:0**	
2240	**97**	**127**	**22:41:38.800**	**20EC6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R5**	**4**	**1**	**3,945,763:06:0**	
2241	97	127	22:42:25.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5255.80 +/-	2R5	4	1	3,945,763:76:0	
2242	97	127	22:42:25.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,945,763:76:0	
2243	97	127	22:42:26.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5255.92 +/-	2R5	4	1	3,945,763:78:1	
2244	97	127	22:42:32.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5257.16 +/-	2R5	4	1	3,945,763:86:0	
2245	97	127	22:42:33.333		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5257.22 +/-	2R5	4	1	3,945,763:87:8	
2246	97	127	22:42:34.733		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5257.10 +/-	2R5	4	1	3,945,763:89:9	
2247	**97**	**127**	**22:42:39.466**	**20EC5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,945,764:06:0**	
2248	97	127	22:43:00.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5251.15 +/-	260	4	0	3,945,764:37:0	
2249	97	127	22:43:22.800		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5245.83 +/-	260	4	0	3,945,764:71:0	
2250	97	127	22:43:22.800	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	260	4	0	3,945,764:71:0	
2251	97	127	22:43:24.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5245.77 +/-	260	4	0	3,945,764:72:8	
2252	**97**	**127**	**22:43:40.133**	**20EC5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,945,765:06:0**	
2253	**97**	**127**	**22:44:40.800**	**20EC4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,945,766:06:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2254	**97**	**127**	**22:46:42.067**	**G8NNNIMSLD02-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2255	97	127	22:47:52.133	176GQ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R0	4	0	3,945,769:20:0	
2256	97	127	22:47:54.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	3,945,769:23:0	
2257	97	127	22:47:54.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5245.77 +/-	2R0	4	0	3,945,769:23:0	
2258	97	127	22:47:55.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5245.89 +/-	2R0	4	0	3,945,769:25:1	
2259	97	127	22:48:00.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5247.13 +/-	2R0	4	0	3,945,769:33:0	
2260	97	127	22:48:02.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5247.19 +/-	2R0	4	0	3,945,769:34:8	
2261	97	127	22:48:03.400		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5247.07 +/-	2R0	4	0	3,945,769:36:9	
2262	97	127	22:48:04.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5246.90 +/-	2R0	4	0	3,945,769:38:0	
2263	97	127	22:48:16.800	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,945,769:57:0	
2264	97	127	22:48:16.800		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5243.93 +/-	2R0	4	0	3,945,769:57:0	
2265	97	127	22:48:18.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5243.87 +/-	2R0	4	0	3,945,769:58:8	
2266	**97**	**127**	**22:48:43.400**	**G8JNFEA04102-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2267	**97**	**127**	**22:50:36.133**	**125EI4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**3,945,771:84:0**	
2268	97	127	22:50:36.133	125EI11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	3,945,771:84:0	
2269	97	127	22:50:36.133	125EI	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	3,945,771:84:0	
2270	**97**	**127**	**22:51:36.800**	**127EI4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,945,772:84:0**	
2271	97	127	22:51:36.800	127EI	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,945,772:84:0	
2272	**97**	**127**	**22:51:37.466**	**127EI4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,945,772:85:0**	
2273	97	127	22:51:40.800	165EI4A	7SCAN	NORM,268.517998,	Check S/P Position	2R5	4	1	3,945,772:90:0	
2274	97	127	22:51:45.466	127EI11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,945,773:06:0	
2275	97	127	22:52:30.133	175EI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,945,773:73:0	
2276	97	127	22:52:30.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5243.87 +/-	2R5	4	1	3,945,773:73:0	
2277	97	127	22:52:31.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5243.99 +/-	2R5	4	1	3,945,773:75:1	
2278	97	127	22:52:32.800	117EI	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,945,773:77:0	
2279	97	127	22:52:36.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5245.22 +/-	2R5	4	1	3,945,773:83:0	
2280	97	127	22:52:38.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5245.28 +/-	2R5	4	1	3,945,773:84:8	
2281	97	127	22:52:38.800	175EI176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,945,773:86:0	
2282	97	127	22:52:39.400		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5245.16 +/-	2R5	4	1	3,945,773:86:9	
2283	97	127	22:52:39.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5245.16 +/-	2R5	4	1	3,945,773:86:9	
2284	**97**	**127**	**22:52:42.133**	**G8JNFEA04102-**	**NIMPBK**	**301EI**	**JUPITER FEATURE TRACK 41 DEG PHA**	**2R5**	**4**	**1**	**: :**	
2285	97	127	22:52:42.133	117EI105A106A4A	7STRP	-0.011801,0.0,0,	Slew =,0.12	2R5	4	1	3,945,774:00:0	
2286	**97**	**127**	**22:54:21.466**	**G8JNFEA04102-**	**DESELC**	**300EI**	**JUPITER FEATURE TRACK 41 DEG PHA**	**2R5**	**4**	**1**	**: :**	
2287	97	127	22:54:22.133	117EI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,945,775:59:0	
2288	97	127	22:54:33.466		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5218.43 +/-	2R5	4	1	3,945,775:76:0	
2289	97	127	22:54:33.466	175EI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,945,775:76:0	
2290	97	127	22:54:33.466	175EI6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,945,775:76:0	
2291	97	127	22:54:34.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5218.37 +/-	2R5	4	1	3,945,775:77:8	
2292	**97**	**127**	**22:54:47.400**	**G8JNFEA04102-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2293	**97**	**127**	**22:55:48.133**	**G8INCHEMIS06-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2294	97	127	22:56:44.133	165EF4A	7SCAN	NORM,248.896999,	Check S/P Position	2R5	4	1	3,945,777:90:0	
2295	**97**	**127**	**22:58:41.466**	**127EF4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,945,779:84:0**	
2296	97	127	22:58:41.466	127EF	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,945,779:84:0	
2297	**97**	**127**	**22:58:42.133**	**127EF4B**	**37ETB**	**07,C7,02,05,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,945,779:85:0**	
2298	97	127	22:58:50.133	127EF11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,945,780:06:0	
2299	97	127	22:59:37.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5218.37 +/-	2R3	4	0	3,945,780:77:0	
2300	97	127	22:59:37.466	117EF	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,945,780:77:0	
2301	97	127	22:59:37.466	175EF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,945,780:77:0	
2302	97	127	22:59:38.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5218.49 +/-	2R3	4	0	3,945,780:79:1	
2303	97	127	22:59:44.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5219.72 +/-	2R3	4	0	3,945,780:87:0	
2304	97	127	22:59:45.333		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5219.78 +/-	2R3	4	0	3,945,780:88:8	
2305	97	127	22:59:46.133	175EF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,945,780:90:0	
2306	97	127	22:59:46.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5219.66 +/-	2R3	4	0	3,945,780:90:9	
2307	97	127	22:59:46.733		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5219.66 +/-	2R3	4	0	3,945,780:90:9	
2308	97	127	22:59:46.800	117EF105A106A4A	7STRP	-0.00073,0.0,0,0	Slew =,0.01	2R3	4	0	3,945,781:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2309	**97**	**127**	**22:59:46.800**	**G8INCHEMIS06-**	**NIMPBK**	**301EJ**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
2310	**97**	**127**	**23:01:00.800**	**G8INCHEMIS06-**	**DESELC**	**300EJ**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**	
2311	97	127	23:01:01.466	117EF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,945,782:21:0	
2312	97	127	23:01:15.466		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5198.86 +/-	2R3	4	0	3,945,782:42:0	
2313	97	127	23:01:15.466	175EF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,945,782:42:0	
2314	97	127	23:01:15.466	175EF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,945,782:42:0	
2315	97	127	23:01:16.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5198.80 +/-	2R3	4	0	3,945,782:43:8	
2316	**97**	**127**	**23:01:52.133**	**G8INTHRMAL06-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2317	**97**	**127**	**23:01:52.133**	**G8INCHEMIS06-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2318	97	127	23:02:48.133	165EG4A	7SCAN	NORM,249.507999,	Check S/P Position	2R3	4	0	3,945,783:90:0	
2319	**97**	**127**	**23:04:45.466**	**125EG4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**3,945,785:84:0**	
2320	97	127	23:04:45.466	125EG	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,945,785:84:0	
2321	97	127	23:04:45.466	125EG11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,945,785:84:0	
2322	97	127	23:05:46.133	127EG	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,945,786:84:0	
2323	**97**	**127**	**23:05:46.800**	**127EG4A**	**37ETB**	**07,C7,02,01,05,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,945,786:85:0**	
2324	97	127	23:05:54.800	127EG11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,945,787:06:0	
2325	97	127	23:06:39.466	175EG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,945,787:73:0	
2326	97	127	23:06:39.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5198.80 +/-	4R3	4	0	3,945,787:73:0	
2327	97	127	23:06:40.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5198.92 +/-	4R3	4	0	3,945,787:75:1	
2328	97	127	23:06:42.133	117EG	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,945,787:77:0	
2329	97	127	23:06:46.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5200.16 +/-	4R3	4	0	3,945,787:83:0	
2330	97	127	23:06:47.333		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5200.22 +/-	4R3	4	0	3,945,787:84:8	
2331	97	127	23:06:48.133	175EG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,945,787:86:0	
2332	97	127	23:06:48.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5200.10 +/-	4R3	4	0	3,945,787:86:9	
2333	97	127	23:06:48.733		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5200.10 +/-	4R3	4	0	3,945,787:86:9	
2334	**97**	**127**	**23:06:51.466**	**G8INTHRMAL06-**	**NIMPBK**	**301EK**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
2335	97	127	23:06:51.466	117EG105A106A4A	7STRP	-0.0005,0.0,0,0,	Slew =,0.01	4R3	4	0	3,945,788:00:0	
2336	**97**	**127**	**23:07:42.133**	**G8INTHRMAL06-**	**DESELC**	**300EK**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
2337	97	127	23:07:42.800	117EG11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,945,788:77:0	
2338	97	127	23:07:54.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5184.77 +/-	4R3	4	0	3,945,789:03:0	
2339	97	127	23:07:54.133	175EG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,945,789:03:0	
2340	97	127	23:07:54.133	175EG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,945,789:03:0	
2341	97	127	23:07:55.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5184.71 +/-	4R3	4	0	3,945,789:04:8	
2342	**97**	**127**	**23:08:56.799**	**G8INTHRMAL06-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2343	97	127	23:18:58.800	165GR4A	7SCAN	NORM,267.830997,	Check S/P Position	4R3	4	0	3,945,799:90:0	
2344	97	127	23:19:50.800	117GR	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,945,800:77:0	
2345	97	127	23:20:00.133	176GR6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,945,801:00:0	
2346	97	127	23:20:00.133	117GR105A106A4A	7STRP	0.012001,-0.0163	Slew =,0.15	4R3	4	0	3,945,801:00:0	
2347	97	127	23:22:22.800	117GR105A106A4B	7STRP	-0.0085,0.016102	Slew =0,4.4	4R3	4	0	3,945,803:32:0	
2348	97	127	23:22:31.466	117GR105A106A4C	7STRP	0.012001,-0.0163	Slew =,0.15	4R3	4	0	3,945,803:45:0	
2349	97	127	23:24:54.133	117GR105A106A4D	7STRP	-0.0085,0.016102	Slew =0,4.4	4R3	4	0	3,945,805:77:0	
2350	97	127	23:25:02.800	117GR105A106A4E	7STRP	0.012001,-0.0163	Slew =,0.15	4R3	4	0	3,945,805:90:0	
2351	97	127	23:27:25.466	117GR105A106A4F	7STRP	-0.0085,0.016102	Slew =0,4.4	4R3	4	0	3,945,808:31:0	
2352	97	127	23:27:34.133	117GR105A106A4G	7STRP	0.012001,-0.0163	Slew =,0.15	4R3	4	0	3,945,808:44:0	
2353	97	127	23:29:56.800	117GR105A106A4H	7STRP	-0.0085,0.016102	Slew =0,4.4	4R3	4	0	3,945,810:76:0	
2354	97	127	23:30:05.466	117GR105A106A4I	7STRP	0.012001,-0.0163	Slew =,0.15	4R3	4	0	3,945,810:89:0	
2355	97	127	23:32:28.133	117GR11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,945,813:30:0	
2356	97	127	23:32:28.133	176GR6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,945,813:30:0	
2357	97	127	23:32:30.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5184.71 +/-	4R3	4	0	3,945,813:33:0	
2358	97	127	23:32:30.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,945,813:33:0	
2359	97	127	23:32:31.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5184.83 +/-	4R3	4	0	3,945,813:35:1	
2360	97	127	23:32:36.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5186.06 +/-	4R3	4	0	3,945,813:43:0	
2361	97	127	23:32:38.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5186.12 +/-	4R3	4	0	3,945,813:44:8	
2362	97	127	23:32:39.400		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5186.00 +/-	4R3	4	0	3,945,813:46:9	
2363	97	127	23:32:40.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5185.83 +/-	4R3	4	0	3,945,813:48:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2364	97	127	23:32:58.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5181.61 +/-	4R3	4	0	3,945,813:75:0	
2365	97	127	23:32:58.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,945,813:75:0	
2366	97	127	23:32:59.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5181.55 +/-	4R3	4	0	3,945,813:76:8	
2367	97	127	23:35:09.466	165EJ4A	7SCAN	NORM,270.753998,	Check S/P Position	4R3	4	0	3,945,815:90:0	
2368	**97**	**127**	**23:35:14.067**	**G8JNFEA04103-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2369	97	127	23:37:06.800	125EJ	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,945,817:84:0	
2370	97	127	23:37:06.800	125EJ11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,945,817:84:0	
2371	**97**	**127**	**23:37:06.800**	**125EJ4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,945,817:84:0**	
2372	**97**	**127**	**23:38:07.466**	**127EJ4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,945,818:84:0**	
2373	97	127	23:38:07.466	127EJ	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,945,818:84:0	
2374	**97**	**127**	**23:38:08.133**	**127EJ4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,945,818:85:0**	
2375	97	127	23:38:16.133	127EJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,945,819:06:0	
2376	97	127	23:39:00.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5181.55 +/-	2R5	4	1	3,945,819:73:0	
2377	97	127	23:39:00.800	175EJ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,945,819:73:0	
2378	97	127	23:39:02.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5181.67 +/-	2R5	4	1	3,945,819:75:1	
2379	97	127	23:39:03.466	117EJ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,945,819:77:0	
2380	97	127	23:39:07.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5182.91 +/-	2R5	4	1	3,945,819:83:0	
2381	97	127	23:39:08.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5182.97 +/-	2R5	4	1	3,945,819:84:8	
2382	97	127	23:39:09.466	175EJ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,945,819:86:0	
2383	97	127	23:39:10.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5182.85 +/-	2R5	4	1	3,945,819:86:9	
2384	97	127	23:39:10.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5182.85 +/-	2R5	4	1	3,945,819:86:9	
2385	97	127	23:39:12.800	117EJ105A106A4A	7STRP	-0.011801,0.0,0,	Slew =,0.12	2R5	4	1	3,945,820:00:0	
2386	**97**	**127**	**23:39:12.800**	**G8JNFEA04103-**	**NIMPBK**	**301EL**	**JUPITER FEATURE TRACK 41 DEG PHA**	**2R5**	**4**	**1**	**: :**	
2387	**97**	**127**	**23:40:52.133**	**G8JNFEA04103-**	**DESELC**	**300EL**	**JUPITER FEATURE TRACK 41 DEG PHA**	**2R5**	**4**	**1**	**: :**	
2388	97	127	23:40:52.800	117EJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,945,821:59:0	
2389	97	127	23:41:02.800	175EJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,945,821:74:0	
2390	97	127	23:41:02.800	175EJ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,945,821:74:0	
2391	97	127	23:41:02.800		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5156.43 +/-	2R5	4	1	3,945,821:74:0	
2392	97	127	23:41:04.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5156.37 +/-	2R5	4	1	3,945,821:75:8	
2393	97	127	23:41:13.466	165EK4A	7SCAN	NORM,290.917999,	Check S/P Position	2R5	4	1	3,945,821:90:0	
2394	**97**	**127**	**23:41:18.067**	**G8JNFEA04103-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2395	97	127	23:42:10.133	125KC	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	3,945,822:84:0	
2396	**97**	**127**	**23:42:10.133**	**125KC4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R5**	**4**	**1**	**3,945,822:84:0**	
2397	**97**	**127**	**23:43:10.800**	**125KC4B**	**37MB**	**1C,07,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R5**	**4**	**1**	**3,945,823:84:0**	
2398	97	127	23:43:10.800	125KC11A	NIMSINIT	GE	##### GROUP END INIT	4R5	4	1	3,945,823:84:0	
2399	**97**	**127**	**23:43:19.400**	**G8ENCLIPSE01-**		**-----START------**		**4R5**	**4**	**1**	**: :**	
2400	97	127	23:44:11.466	127KC	NIMSTAB	GS	%%%%% GROUP START TAB	4R5	4	1	3,945,824:84:0	
2401	**97**	**127**	**23:44:12.133**	**127KC4A**	**37ETB**		**Loads wavelength edit table**	**4R5**	**4**	**1**	**3,945,824:85:0**	
2402	97	127	23:44:20.133	127KC11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R5	4	1	3,945,825:06:0	
2403	97	127	23:45:04.800	175EK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R5	4	1	3,945,825:73:0	
2404	97	127	23:45:04.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5156.37 +/-	4R5	4	1	3,945,825:73:0	
2405	97	127	23:45:06.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5156.49 +/-	4R5	4	1	3,945,825:75:1	
2406	97	127	23:45:07.466	117EK	**CSMOS**	GS	***** GROUP START CSMOS	4R5	4	1	3,945,825:77:0	
2407	97	127	23:45:11.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5157.72 +/-	4R5	4	1	3,945,825:83:0	
2408	97	127	23:45:12.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5157.78 +/-	4R5	4	1	3,945,825:84:8	
2409	97	127	23:45:13.466	175EK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R5	4	1	3,945,825:86:0	
2410	97	127	23:45:14.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5157.66 +/-	4R5	4	1	3,945,825:86:9	
2411	97	127	23:45:14.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5157.66 +/-	4R5	4	1	3,945,825:86:9	
2412	97	127	23:45:15.466	165EK4B	7VECT		Inert vect update UTC	4R5	4	1	3,945,825:89:0	
2413	97	127	23:45:16.800	117EK105A106A4A	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,826:00:0	
2414	97	127	23:45:36.800	432DG6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R5	4	1	3,945,826:30:0	
2415	97	127	23:45:55.466	117EK105A106A4B	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,826:58:0	
2416	97	127	23:46:02.133	117EK105A106A4C	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,826:68:0	
2417	**97**	**127**	**23:46:21.400**	**G8ENCOOLCV01-**		**-----START------**		**4R5**	**4**	**1**	**: :**	
2418	**97**	**127**	**23:46:21.400**	**G8ENCLIPSE01-**		**-----STOP-------**		**4R5**	**4**	**1**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2419	97	127	23:46:24.133	175EK422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R5	4	1	3,945,827:10:0	
2420	97	127	23:46:24.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5141.24 +/-	4R5	4	1	3,945,827:10:0	
2421	97	127	23:46:24.133	175EK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R5	4	1	3,945,827:10:0	
2422	97	127	23:46:25.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5141.18 +/-	4R5	4	1	3,945,827:11:8	
2423	97	127	23:46:40.800	117EK105A106A4D	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,827:35:0	
2424	97	127	23:46:47.466	117EK105A106A4E	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,827:45:0	
2425	97	127	23:47:26.133	117EK105A106A4F	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,828:12:0	
2426	97	127	23:47:32.800	117EK105A106A4G	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,828:22:0	
2427	97	127	23:48:11.466	117EK105A106A4H	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,828:80:0	
2428	97	127	23:48:18.133	117EK105A106A4I	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,828:90:0	
2429	97	127	23:48:56.800	117EK105A106A4J	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,829:57:0	
2430	97	127	23:49:03.466	117EK105A106A4K	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,829:67:0	
2431	97	127	23:49:42.133	117EK105A106A4L	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,830:34:0	
2432	97	127	23:49:48.800	117EK105A106A4M	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,830:44:0	
2433	97	127	23:50:27.466	117EK105A106A4N	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,831:11:0	
2434	97	127	23:50:34.133	117EK105A106A4O	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,831:21:0	
2435	**97**	**127**	**23:50:38.800**	**432DH6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R5**	**4**	**1**	**3,945,831:28:0**	
2436	97	127	23:51:12.800	117EK105A106A4P	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,831:79:0	
2437	97	127	23:51:19.466	117EK105A106A4Q	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,831:89:0	
2438	97	127	23:51:58.133	117EK105A106A4R	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,832:56:0	
2439	97	127	23:52:04.800	117EK105A106A4S	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,832:66:0	
2440	**97**	**127**	**23:52:25.400**	**G8ENCOOLCV01-**		**-----STOP-------**		**4R5**	**4**	**1**	**: :**	
2441	97	127	23:52:43.466	117EK105A106A4T	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,833:33:0	
2442	97	127	23:52:50.133	117EK105A106A4U	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,833:43:0	
2443	97	127	23:53:28.800	117EK105A106A4V	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,834:10:0	
2444	97	127	23:53:35.466	117EK105A106A4W	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,834:20:0	
2445	97	127	23:54:14.133	117EK105A106A4X	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,834:78:0	
2446	97	127	23:54:20.800	117EK105A106A4Y	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,834:88:0	
2447	97	127	23:54:59.466	117EK105A106A4Z	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,835:55:0	
2448	97	127	23:55:06.133	117EK105A106A4AA	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,835:65:0	
2449	97	127	23:55:44.800	117EK105A106A4AB	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,836:32:0	
2450	97	127	23:55:51.466	117EK105A106A4AC	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,836:42:0	
2451	97	127	23:56:30.133	117EK105A106A4AD	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,837:09:0	
2452	97	127	23:56:36.800	117EK105A106A4AE	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,837:19:0	
2453	97	127	23:57:15.466	117EK105A106A4AF	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,837:77:0	
2454	97	127	23:57:22.133	117EK105A106A4AG	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,837:87:0	
2455	97	127	23:58:00.800	117EK105A106A4AH	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,838:54:0	
2456	97	127	23:58:07.466	117EK105A106A4AI	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,838:64:0	
2457	97	127	23:58:46.133	117EK105A106A4AJ	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,839:31:0	
2458	97	127	23:58:52.800	117EK105A106A4AK	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,839:41:0	
2459	97	127	23:59:31.466	117EK105A106A4AL	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,840:08:0	
2460	97	127	23:59:38.133	117EK105A106A4AM	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,840:18:0	
2461	97	128	00:00:16.800	117EK105A106A4AN	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,840:76:0	
2462	97	128	00:00:23.466	117EK105A106A4AO	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,840:86:0	
2463	97	128	00:01:02.133	117EK105A106A4AP	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,841:53:0	
2464	97	128	00:01:08.800	117EK105A106A4AQ	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,841:63:0	
2465	97	128	00:01:46.133	488BD6B	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	4R5	4	1	3,945,842:28:0	
2466	97	128	00:01:47.466	117EK11A	**CSMOS**	GE	***** GROUP END CSMOS	4R5	4	1	3,945,842:30:0	
2467	97	128	00:50:50.133	488BD6C	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	4R5	4	1	3,945,890:76:0	
2468	97	128	01:42:02.133	488BD6D	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	4R5	4	1	3,945,941:43:0	
2469	**97**	**128**	**01:49:42.733**	**G8NNNIMSLD03-**		**-----START------**		**4R5**	**4**	**1**	**: :**	
2470	97	128	01:50:43.466	20ED6A	6CKSUM	NIMS	NIMS,1000,14BC	4R5	4	1	3,945,950:06:0	
2471	**97**	**128**	**01:51:44.133**	**20ED5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R5**	**4**	**1**	**3,945,951:06:0**	
2472	**97**	**128**	**01:52:44.800**	**20ED5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R5**	**4**	**1**	**3,945,952:06:0**	
2473	**97**	**128**	**01:53:45.466**	**20ED6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R5**	**4**	**1**	**3,945,953:06:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2474	**97**	**128**	**01:54:46.133**	**20ED6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R5**	**4**	**1**	**3,945,954:06:0**
2475	**97**	**128**	**01:55:46.800**	**20ED5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,945,955:06:0**
2476	**97**	**128**	**01:56:47.466**	**20ED5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,945,956:06:0**
2477	**97**	**128**	**01:57:48.133**	**20ED4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,945,957:06:0**
2478	**97**	**128**	**01:59:49.400**	**G8NNNIMSLD03-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**
2479	97	128	02:00:00.133	488BD6E	6TMSED	NORM,EL2	Sci, Eng, and D/L Chan	2R0	4	0	3,945,959:22:0
2480	97	128	02:00:45.466	165EL4A	7SCAN	NORM,301.564999,	Check S/P Position	2R0	4	0	3,945,959:90:0
2481	**97**	**128**	**02:00:50.067**	**G8ENTRAIL 01-**		**-----START------**		**2R0**	**4**	**0**	**: :**
2482	97	128	02:01:42.133	125KE	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	3,945,960:84:0
2483	**97**	**128**	**02:01:42.133**	**125KE4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**3,945,960:84:0**
2484	97	128	02:02:42.800	125KE11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	3,945,961:84:0
2485	**97**	**128**	**02:02:42.800**	**125KE4B**	**37MB**	**1C,07,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**3,945,961:84:0**
2486	97	128	02:03:43.466	127KE	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	3,945,962:84:0
2487	**97**	**128**	**02:03:43.466**	**127KE4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**4R5**	**4**	**1**	**3,945,962:84:0**
2488	**97**	**128**	**02:03:44.133**	**127KE4B**	**37ETB**		**Loads wavelength edit table**	**4R5**	**4**	**1**	**3,945,962:85:0**
2489	97	128	02:03:52.133	127KE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R5	4	1	3,945,963:06:0
2490	97	128	02:04:36.800	175EL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R5	4	1	3,945,963:73:0
2491	97	128	02:04:36.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5141.18 +/-	4R5	4	1	3,945,963:73:0
2492	97	128	02:04:38.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5141.30 +/-	4R5	4	1	3,945,963:75:1
2493	97	128	02:04:39.466	117EL	**CSMOS**	GS	***** GROUP START CSMOS	4R5	4	1	3,945,963:77:0
2494	97	128	02:04:43.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5142.53 +/-	4R5	4	1	3,945,963:83:0
2495	97	128	02:04:44.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5142.59 +/-	4R5	4	1	3,945,963:84:8
2496	97	128	02:04:45.466	175EL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R5	4	1	3,945,963:86:0
2497	97	128	02:04:46.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5142.47 +/-	4R5	4	1	3,945,963:86:9
2498	97	128	02:04:46.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5142.47 +/-	4R5	4	1	3,945,963:86:9
2499	97	128	02:04:47.466	165EL4B	7VECT		Inert vect update UTC	4R5	4	1	3,945,963:89:0
2500	97	128	02:04:48.800	117EL105A106A4A	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,964:00:0
2501	97	128	02:05:08.800	432DI6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R5	4	1	3,945,964:30:0
2502	97	128	02:05:27.466	117EL105A106A4B	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,964:58:0
2503	97	128	02:05:34.133	117EL105A106A4C	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,964:68:0
2504	**97**	**128**	**02:05:53.400**	**G8ENWARMCV01-**		**-----START------**		**4R5**	**4**	**1**	**: :**
2505	**97**	**128**	**02:05:53.400**	**G8ENTRAIL 01-**		**-----STOP-------**		**4R5**	**4**	**1**	**: :**
2506	97	128	02:05:56.133	175EL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R5	4	1	3,945,965:10:0
2507	97	128	02:05:56.133	175EL422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R5	4	1	3,945,965:10:0
2508	97	128	02:05:56.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5126.05 +/-	4R5	4	1	3,945,965:10:0
2509	97	128	02:05:57.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5125.99 +/-	4R5	4	1	3,945,965:11:8
2510	97	128	02:06:12.800	117EL105A106A4D	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,965:35:0
2511	97	128	02:06:19.466	117EL105A106A4E	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,965:45:0
2512	97	128	02:06:58.133	117EL105A106A4F	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,966:12:0
2513	97	128	02:07:04.800	117EL105A106A4G	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,966:22:0
2514	97	128	02:07:43.466	117EL105A106A4H	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,966:80:0
2515	97	128	02:07:50.133	117EL105A106A4I	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,966:90:0
2516	97	128	02:08:28.800	117EL105A106A4J	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,967:57:0
2517	97	128	02:08:35.466	117EL105A106A4K	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,967:67:0
2518	97	128	02:09:14.133	117EL105A106A4L	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,968:34:0
2519	97	128	02:09:20.800	117EL105A106A4M	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,968:44:0
2520	97	128	02:09:59.466	117EL105A106A4N	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,969:11:0
2521	97	128	02:10:06.133	117EL105A106A4O	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,969:21:0
2522	**97**	**128**	**02:10:10.800**	**432DJ6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R5**	**4**	**1**	**3,945,969:28:0**
2523	97	128	02:10:44.800	117EL105A106A4P	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,969:79:0
2524	97	128	02:10:51.466	117EL105A106A4Q	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,969:89:0
2525	97	128	02:11:30.133	117EL105A106A4R	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,970:56:0
2526	97	128	02:11:36.800	117EL105A106A4S	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,970:66:0
2527	97	128	02:11:54.133	488BE6A	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	4R5	4	1	3,945,971:01:0
2528	**97**	**128**	**02:11:57.400**	**G8ENWARMCV01-**		**-----STOP-------**		**4R5**	**4**	**1**	**: :**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2529	97	128	02:12:15.466	117EL105A106A4T	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,971:33:0	
2530	97	128	02:12:22.133	117EL105A106A4U	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,971:43:0	
2531	97	128	02:13:00.800	117EL105A106A4V	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,972:10:0	
2532	97	128	02:13:07.466	117EL105A106A4W	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,972:20:0	
2533	97	128	02:13:46.133	117EL105A106A4X	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,972:78:0	
2534	97	128	02:13:52.800	117EL105A106A4Y	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,972:88:0	
2535	97	128	02:14:31.466	117EL105A106A4Z	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,973:55:0	
2536	97	128	02:14:38.133	117EL105A106A4AA	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,973:65:0	
2537	97	128	02:15:16.800	117EL105A106A4AB	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,974:32:0	
2538	97	128	02:15:23.466	117EL105A106A4AC	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,974:42:0	
2539	97	128	02:16:02.133	117EL105A106A4AD	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,975:09:0	
2540	97	128	02:16:08.800	117EL105A106A4AE	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,975:19:0	
2541	97	128	02:16:47.466	117EL105A106A4AF	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,975:77:0	
2542	97	128	02:16:54.133	117EL105A106A4AG	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,975:87:0	
2543	97	128	02:17:32.800	117EL105A106A4AH	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,976:54:0	
2544	97	128	02:17:39.466	117EL105A106A4AI	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,976:64:0	
2545	97	128	02:18:18.133	117EL105A106A4AJ	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,977:31:0	
2546	97	128	02:18:24.800	117EL105A106A4AK	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,977:41:0	
2547	97	128	02:19:03.466	117EL105A106A4AL	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,978:08:0	
2548	97	128	02:19:10.133	117EL105A106A4AM	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,978:18:0	
2549	97	128	02:19:48.800	117EL105A106A4AN	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,978:76:0	
2550	97	128	02:19:55.466	117EL105A106A4AO	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,978:86:0	
2551	97	128	02:20:34.133	117EL105A106A4AP	7STRP	0.004,0.0,0,0,0,	Slew =12.01	4R5	4	1	3,945,979:53:0	
2552	97	128	02:20:40.800	117EL105A106A4AQ	7STRP	-0.004,0.0,0,0,0	Slew =,0.11	4R5	4	1	3,945,979:63:0	
2553	97	128	02:21:19.466	117EL11A	**CSMOS**	GE	***** GROUP END CSMOS	4R5	4	1	3,945,980:30:0	
2554	97	128	02:28:44.133	165CQ4A	7SCAN	NORM,303.605,-21	Check S/P Position	4R5	4	1	3,945,987:60:0	
2555	97	128	02:48:10.133	488BE6B	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4R5	4	1	3,946,006:80:0	
2556	97	128	02:48:34.133	488BE6C	6TMSED	FILL,EL4	Sci, Eng, and D/L Chan	4R5	4	1	3,946,007:25:0	
2557	97	128	03:47:12.133	488BE6D	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4R5	4	1	3,946,065:24:0	
2558	97	128	04:59:43.466	165GS4A	7SCAN	NORM,297.938999,	Check S/P Position	4R5	4	1	3,946,136:90:0	
2559	97	128	05:03:37.466	117GS	**CSMOS**	GS	***** GROUP START CSMOS	4R5	4	1	3,946,140:77:0	
2560	97	128	05:03:46.800	176GS6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R5	4	1	3,946,141:00:0	
2561	97	128	05:03:46.800	117GS105A106A4A	7STRP	0.068105,0.16485	Slew =,0.11	4R5	4	1	3,946,141:00:0	
2562	97	128	05:20:59.466	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R5	4	1	3,946,158:02:0	
2563	97	128	05:20:59.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5125.99 +/-	4R5	4	1	3,946,158:02:0	
2564	97	128	05:21:00.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5126.11 +/-	4R5	4	1	3,946,158:04:1	
2565	97	128	05:21:06.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5127.35 +/-	4R5	4	1	3,946,158:12:0	
2566	97	128	05:21:07.333		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5127.41 +/-	4R5	4	1	3,946,158:13:8	
2567	97	128	05:21:08.733		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5127.29 +/-	4R5	4	1	3,946,158:15:9	
2568	97	128	05:21:34.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5121.18 +/-	4R5	4	1	3,946,158:55:0	
2569	97	128	05:21:57.466		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5115.86 +/-	4R5	4	1	3,946,158:89:0	
2570	97	128	05:21:57.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R5	4	1	3,946,158:89:0	
2571	97	128	05:21:58.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5115.80 +/-	4R5	4	1	3,946,158:90:8	
2572	97	128	05:38:50.800		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5115.80 +/-	4R5	4	1	3,946,175:62:0	
2573	97	128	05:38:50.800	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R5	4	1	3,946,175:62:0	
2574	97	128	05:38:52.200		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5115.92 +/-	4R5	4	1	3,946,175:64:1	
2575	97	128	05:38:57.466		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5117.16 +/-	4R5	4	1	3,946,175:72:0	
2576	97	128	05:38:58.666		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5117.22 +/-	4R5	4	1	3,946,175:73:8	
2577	97	128	05:39:00.066		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5117.10 +/-	4R5	4	1	3,946,175:75:9	
2578	97	128	05:39:25.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5111.15 +/-	4R5	4	1	3,946,176:23:0	
2579	97	128	05:39:48.133	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R5	4	1	3,946,176:57:0	
2580	97	128	05:39:48.133		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5105.83 +/-	4R5	4	1	3,946,176:57:0	
2581	97	128	05:39:49.333		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5105.77 +/-	4R5	4	1	3,946,176:58:8	
2582	97	128	05:56:42.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5105.77 +/-	4R5	4	1	3,946,193:31:0	
2583	97	128	05:56:42.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R5	4	1	3,946,193:31:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2584	97	128	05:56:43.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5105.89 +/-	4R5	4	1	3,946,193:33:1	
2585	97	128	05:56:48.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5107.13 +/-	4R5	4	1	3,946,193:41:0	
2586	97	128	05:56:50.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5107.19 +/-	4R5	4	1	3,946,193:42:8	
2587	97	128	05:56:51.400		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5107.07 +/-	4R5	4	1	3,946,193:44:9	
2588	97	128	05:57:16.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5101.11 +/-	4R5	4	1	3,946,193:83:0	
2589	97	128	05:57:39.466		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5095.80 +/-	4R5	4	1	3,946,194:26:0	
2590	97	128	05:57:39.466	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R5	4	1	3,946,194:26:0	
2591	97	128	05:57:40.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5095.74 +/-	4R5	4	1	3,946,194:27:8	
2592	97	128	06:00:04.133	20MK6A	6CKSUM	MAG,4040,46F0		4R5	4	1	3,946,196:61:0	
2593	97	128	06:01:00.133	480MB6A	6MROH	12,2282,0,A2	read from LLM1A12,2282,0,A2	4R5	4	1	3,946,197:54:0	
2594	97	128	06:01:00.133	480MB6	6MROH	12	read from LLM1A12,2282,0,A2	4R5	4	1	3,946,197:54:0	
2595	97	128	06:05:46.133	176GS6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R5	4	1	3,946,202:28:0	
2596	97	128	06:05:46.133	117GS11A	**CSMOS**	GE	***** GROUP END CSMOS	4R5	4	1	3,946,202:28:0	
2597	97	128	06:05:48.133		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5095.74 +/-	4R5	4	1	3,946,202:31:0	
2598	97	128	06:05:48.133	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R5	4	1	3,946,202:31:0	
2599	97	128	06:05:49.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5095.86 +/-	4R5	4	1	3,946,202:33:1	
2600	97	128	06:05:54.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5097.10 +/-	4R5	4	1	3,946,202:41:0	
2601	97	128	06:05:56.000		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5097.16 +/-	4R5	4	1	3,946,202:42:8	
2602	97	128	06:05:57.400		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *5097.04 +/-	4R5	4	1	3,946,202:44:9	
2603	97	128	06:05:58.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5096.86 +/-	4R5	4	1	3,946,202:46:0	
2604	97	128	06:06:13.466	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R5	4	1	3,946,202:69:0	
2605	97	128	06:06:13.466		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5093.27 +/-	4R5	4	1	3,946,202:69:0	
2606	97	128	06:06:14.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5093.21 +/-	4R5	4	1	3,946,202:70:8	
2607	97	128	07:00:00.133	488BE6E	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	4R5	4	1	3,946,255:86:0	
2608	**97**	**128**	**08:25:03.400**	**G8NNNIMSLD04-**		**-----START------**		**4R5**	**4**	**1**	**: :**	
2609	97	128	08:26:04.066	20EE6A	6CKSUM	NIMS	NIMS,1000,14BC	4R5	4	1	3,946,341:06:0	
2610	**97**	**128**	**08:27:04.733**	**20EE5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R5**	**4**	**1**	**3,946,342:06:0**	
2611	**97**	**128**	**08:28:05.400**	**20EE5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R5**	**4**	**1**	**3,946,343:06:0**	
2612	**97**	**128**	**08:29:06.066**	**20EE6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R5**	**4**	**1**	**3,946,344:06:0**	
2613	**97**	**128**	**08:30:06.733**	**20EE6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R5**	**4**	**1**	**3,946,345:06:0**	
2614	**97**	**128**	**08:31:07.400**	**20EE5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,946,346:06:0**	
2615	**97**	**128**	**08:32:08.066**	**20EE5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,946,347:06:0**	
2616	**97**	**128**	**08:33:08.733**	**20EE4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,946,348:06:0**	
2617	**97**	**128**	**08:35:10.067**	**G8NNNIMSLD04-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2618	97	128	08:36:06.066	165EM4A	7SCAN	NORM,319.737,-22	Check S/P Position	2R0	4	0	3,946,350:90:0	
2619	**97**	**128**	**08:36:10.734**	**G8JNPFTB1001-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2620	97	128	08:39:04.066	127EM	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	3,946,353:84:0	
2621	**97**	**128**	**08:39:04.066**	**127EM4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,946,353:84:0**	
2622	**97**	**128**	**08:39:04.733**	**127EM4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,946,353:85:0**	
2623	97	128	08:39:12.733	127EM11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,946,354:06:0	
2624	97	128	08:39:57.400	175EM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,354:73:0	
2625	97	128	08:39:57.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5093.21 +/-	2R5	4	1	3,946,354:73:0	
2626	97	128	08:39:58.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5093.33 +/-	2R5	4	1	3,946,354:75:1	
2627	97	128	08:40:00.066	117EM	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,946,354:77:0	
2628	97	128	08:40:04.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5094.56 +/-	2R5	4	1	3,946,354:83:0	
2629	97	128	08:40:05.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5094.62 +/-	2R5	4	1	3,946,354:84:8	
2630	97	128	08:40:06.066	175EM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,946,354:86:0	
2631	97	128	08:40:06.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5094.50 +/-	2R5	4	1	3,946,354:86:9	
2632	97	128	08:40:06.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5094.50 +/-	2R5	4	1	3,946,354:86:9	
2633	97	128	08:40:09.400	117EM105A106A4A	7STRP	0.023804,0.0,0,0	Slew =,0.12	2R5	4	1	3,946,355:00:0	
2634	**97**	**128**	**08:40:09.400**	**G8JNPFTB1001-**	**NIMPBK**	**301EM**	**JUPITER PARTIAL FTR TRK B 10 DEG**	**2R5**	**4**	**1**	**: :**	
2635	97	128	08:43:29.400	117EM105A106A4B	7STRP	-0.021503,0.0040	Slew =,6.01	2R5	4	1	3,946,358:27:0	
2636	97	128	08:43:49.400	117EM105A106A4C	7STRP	0.023804,0.0,0,0	Slew =,0.12	2R5	4	1	3,946,358:57:0	
2637	**97**	**128**	**08:47:08.733**	**G8JNPFTB1001-**	**DESELC**	**300EM**	**JUPITER PARTIAL FTR TRK B 10 DEG**	**2R5**	**4**	**1**	**: :**	
2638	97	128	08:47:09.400	117EM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,946,361:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2639	97	128	08:47:20.733	175EM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,946,362:10:0	
2640	97	128	08:47:20.733	175EM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,362:10:0	
2641	97	128	08:47:20.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4992.77 +/-	2R5	4	1	3,946,362:10:0	
2642	97	128	08:47:21.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4992.71 +/-	2R5	4	1	3,946,362:11:8	
2643	**97**	**128**	**08:48:18.734**	**G8JNPFTB1001-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2644	97	128	09:04:24.733	165GT4A	7SCAN	NORM,335.169998,	Check S/P Position	2R5	4	1	3,946,378:90:0	
2645	97	128	09:08:18.733	117GT	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,946,382:77:0	
2646	97	128	09:08:28.066	117GT105A106A4A	7STRP	0.004,0.0,0,0,0,	Slew =,0.29	2R5	4	1	3,946,383:00:0	
2647	97	128	09:08:28.066	176GT6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,946,383:00:0	
2648	97	128	09:08:46.733	117GT11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,946,383:28:0	
2649	97	128	09:09:01.400	176GT6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,946,383:50:0	
2650	97	128	09:09:03.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,383:53:0	
2651	97	128	09:09:03.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4992.71 +/-	2R5	4	1	3,946,383:53:0	
2652	97	128	09:09:04.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4992.83 +/-	2R5	4	1	3,946,383:55:1	
2653	97	128	09:09:10.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4994.06 +/-	2R5	4	1	3,946,383:63:0	
2654	97	128	09:09:11.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4994.12 +/-	2R5	4	1	3,946,383:64:8	
2655	97	128	09:09:12.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4994.00 +/-	2R5	4	1	3,946,383:66:9	
2656	97	128	09:09:13.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4993.83 +/-	2R5	4	1	3,946,383:68:0	
2657	97	128	09:09:23.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4991.49 +/-	2R5	4	1	3,946,383:83:0	
2658	97	128	09:09:23.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,383:83:0	
2659	97	128	09:09:24.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4991.43 +/-	2R5	4	1	3,946,383:84:8	
2660	**97**	**128**	**09:09:32.734**	**G8JNFEASUB01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2661	97	128	09:10:28.733	165EO4A	7SCAN	NORM,321.921997,	Check S/P Position	2R5	4	1	3,946,384:90:0	
2662	97	128	09:12:10.066	488BF6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2R5	4	1	3,946,386:60:0	
2663	**97**	**128**	**09:13:26.733**	**127EO4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,946,387:84:0**	
2664	97	128	09:13:26.733	127EO	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,946,387:84:0	
2665	**97**	**128**	**09:13:27.400**	**127EO4B**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,946,387:85:0**	
2666	97	128	09:13:35.400	127EO11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,946,388:06:0	
2667	97	128	09:14:20.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4991.43 +/-	2R3	4	0	3,946,388:73:0	
2668	97	128	09:14:20.066	175EO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,946,388:73:0	
2669	97	128	09:14:21.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4991.55 +/-	2R3	4	0	3,946,388:75:1	
2670	97	128	09:14:22.733	117EO	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,946,388:77:0	
2671	97	128	09:14:26.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4992.78 +/-	2R3	4	0	3,946,388:83:0	
2672	97	128	09:14:27.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4992.84 +/-	2R3	4	0	3,946,388:84:8	
2673	97	128	09:14:28.733	175EO176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	3,946,388:86:0	
2674	97	128	09:14:29.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4992.72 +/-	2R3	4	0	3,946,388:86:9	
2675	97	128	09:14:29.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4992.72 +/-	2R3	4	0	3,946,388:86:9	
2676	97	128	09:14:32.066	117EO105A106A4A	7STRP	-0.00715,0.0,0,0	Slew =,0.02	2R3	4	0	3,946,389:00:0	
2677	**97**	**128**	**09:14:32.066**	**G8JNFEASUB01-**	**NIMPBK**	**301EO**	**JUPITER CAMPAIGN FEATURE SUB-SPE**	**2R3**	**4**	**0**	**: :**	
2678	**97**	**128**	**09:17:31.400**	**G8JNFEASUB01-**	**DESELC**	**300EO**	**JUPITER CAMPAIGN FEATURE SUB-SPE**	**2R3**	**4**	**0**	**: :**	
2679	**97**	**128**	**09:17:32.066**	**G8JNFEASUB01-**	**NIMPBK**	**301FX**	**JUPITER CAMPAIGN FEATURE SUB-SPE**	**2R3**	**4**	**0**	**: :**	
2680	**97**	**128**	**09:20:31.400**	**G8JNFEASUB01-**	**DESELC**	**300FX**	**JUPITER CAMPAIGN FEATURE SUB-SPE**	**2R3**	**4**	**0**	**: :**	
2681	97	128	09:20:32.066	117EO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,946,394:85:0	
2682	97	128	09:20:43.400	175EO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,946,395:11:0	
2683	97	128	09:20:43.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4905.05 +/-	2R3	4	0	3,946,395:11:0	
2684	97	128	09:20:43.400	175EO6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,946,395:11:0	
2685	**97**	**128**	**09:20:44.067**	**G8JNFEASUB01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2686	**97**	**128**	**09:20:44.067**	**G8JNFEAP1001-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2687	97	128	09:20:44.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4904.99 +/-	2R3	4	0	3,946,395:12:8	
2688	97	128	09:23:37.400	165EP4A	7SCAN	NORM,322.983997,	Check S/P Position	2R3	4	0	3,946,397:90:0	
2689	**97**	**128**	**09:24:34.066**	**127EP4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,946,398:84:0**	
2690	97	128	09:24:34.066	127EP	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,946,398:84:0	
2691	**97**	**128**	**09:24:34.733**	**127EP4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,946,398:85:0**	
2692	97	128	09:24:42.733	127EP11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,946,399:06:0	
2693	97	128	09:25:27.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4904.99 +/-	2R5	4	1	3,946,399:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2694	97	128	09:25:27.400	175EP422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,399:73:0	
2695	97	128	09:25:28.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4905.11 +/-	2R5	4	1	3,946,399:75:1	
2696	97	128	09:25:30.066	117EP	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,946,399:77:0	
2697	97	128	09:25:34.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4906.35 +/-	2R5	4	1	3,946,399:83:0	
2698	97	128	09:25:35.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4906.41 +/-	2R5	4	1	3,946,399:84:8	
2699	97	128	09:25:36.066	175EP176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,946,399:86:0	
2700	97	128	09:25:36.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4906.29 +/-	2R5	4	1	3,946,399:86:9	
2701	97	128	09:25:36.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4906.29 +/-	2R5	4	1	3,946,399:86:9	
2702	97	128	09:25:39.400	117EP105A106A4A	7STRP	-0.0102,0.0,0,0,	Slew =,0.12	2R5	4	1	3,946,400:00:0	
2703	**97**	**128**	**09:25:39.400**	**G8JNFEAP1001-**	**NIMPBK**	**301EP**	**JUPITER FTR AND PRTL TRK 10 DEG**	**2R5**	**4**	**1**	**: :**	
2704	97	128	09:27:06.066	117EP105A106A4B	7STRP	0.009,0.006005,0	Slew =0,9.0	2R5	4	1	3,946,401:39:0	
2705	97	128	09:27:26.066	117EP105A106A4C	7STRP	-0.0102,0.0,0,0,	Slew =,0.12	2R5	4	1	3,946,401:69:0	
2706	97	128	09:28:52.733	117EP105A106A4D	7STRP	0.009,0.006005,0	Slew =0,9.0	2R5	4	1	3,946,403:17:0	
2707	97	128	09:29:12.733	117EP105A106A4E	7STRP	-0.0102,0.0,0,0,	Slew =,0.12	2R5	4	1	3,946,403:47:0	
2708	**97**	**128**	**09:30:38.733**	**G8JNFEAP1001-**	**DESELC**	**300EP**	**JUPITER FTR AND PRTL TRK 10 DEG**	**2R5**	**4**	**1**	**: :**	
2709	97	128	09:30:39.400	117EP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,946,404:86:0	
2710	97	128	09:30:50.733	175EP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,405:12:0	
2711	97	128	09:30:50.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4832.68 +/-	2R5	4	1	3,946,405:12:0	
2712	97	128	09:30:50.733	175EP6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,946,405:12:0	
2713	97	128	09:30:51.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4832.62 +/-	2R5	4	1	3,946,405:13:8	
2714	**97**	**128**	**09:32:48.067**	**G8JNFEAP1001-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2715	97	128	09:33:44.066	165EQ4A	7SCAN	NORM,323.382999,	Check S/P Position	2R5	4	1	3,946,407:90:0	
2716	**97**	**128**	**09:33:48.734**	**G8JNPFTB1002-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2717	97	128	09:35:34.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4832.62 +/-	2R5	4	1	3,946,409:73:0	
2718	97	128	09:35:34.066	175EQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,409:73:0	
2719	97	128	09:35:35.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4832.74 +/-	2R5	4	1	3,946,409:75:1	
2720	97	128	09:35:36.733	117EQ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,946,409:77:0	
2721	97	128	09:35:40.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4833.97 +/-	2R5	4	1	3,946,409:83:0	
2722	97	128	09:35:41.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4834.03 +/-	2R5	4	1	3,946,409:84:8	
2723	97	128	09:35:42.733	175EQ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,946,409:86:0	
2724	97	128	09:35:43.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4833.91 +/-	2R5	4	1	3,946,409:86:9	
2725	97	128	09:35:43.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4833.91 +/-	2R5	4	1	3,946,409:86:9	
2726	**97**	**128**	**09:35:46.066**	**G8JNPFTB1002-**	**NIMPBK**	**301EQ**	**JUPITER PARTIAL FTR TRK B 10 DEG**	**2R5**	**4**	**1**	**: :**	
2727	97	128	09:35:46.066	117EQ105A106A4A	7STRP	0.023804,0.0,0,0	Slew =,0.12	2R5	4	1	3,946,410:00:0	
2728	97	128	09:39:06.066	117EQ105A106A4B	7STRP	-0.023004,0.0040	Slew =0,7.5	2R5	4	1	3,946,413:27:0	
2729	97	128	09:39:26.066	117EQ105A106A4C	7STRP	0.023804,0.0,0,0	Slew =,0.12	2R5	4	1	3,946,413:57:0	
2730	**97**	**128**	**09:42:45.400**	**G8JNPFTB1002-**	**DESELC**	**300EQ**	**JUPITER PARTIAL FTR TRK B 10 DEG**	**2R5**	**4**	**1**	**: :**	
2731	97	128	09:42:46.066	117EQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,946,416:84:0	
2732	97	128	09:42:50.066	165GU4A	7SCAN	NORM,323.580997,	Check S/P Position	2R5	4	1	3,946,416:90:0	
2733	**97**	**128**	**09:42:54.734**	**G8JNPFTB1002-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2734	97	128	09:42:57.400	175EQ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,946,417:10:0	
2735	97	128	09:42:57.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4732.18 +/-	2R5	4	1	3,946,417:10:0	
2736	97	128	09:42:57.400	175EQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,417:10:0	
2737	97	128	09:42:58.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4732.12 +/-	2R5	4	1	3,946,417:11:8	
2738	97	128	09:46:44.066	117GU	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,946,420:77:0	
2739	97	128	09:46:53.400	176GU6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,946,421:00:0	
2740	97	128	09:46:53.400	117GU105A106A4A	7STRP	0.0,-0.02434,0,0	Slew =,1.21	2R5	4	1	3,946,421:00:0	
2741	97	128	09:49:45.400	117GU105A106A4B	7STRP	-0.0005,0.021743	Slew =12.01	2R5	4	1	3,946,423:76:0	
2742	97	128	09:50:06.733	117GU105A106A4C	7STRP	0.0,-0.02434,0,0	Slew =,1.21	2R5	4	1	3,946,424:17:0	
2743	97	128	09:52:58.733	117GU105A106A4D	7STRP	-0.0005,0.021743	Slew =12.01	2R5	4	1	3,946,427:02:0	
2744	97	128	09:53:20.066	117GU105A106A4E	7STRP	0.0,-0.02434,0,0	Slew =,1.21	2R5	4	1	3,946,427:34:0	
2745	97	128	09:54:50.066	488BF6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2R5	4	1	3,946,428:78:0	
2746	97	128	09:56:12.066	117GU105A106A4F	7STRP	-0.0005,0.021743	Slew =12.01	2R5	4	1	3,946,430:19:0	
2747	97	128	09:56:33.400	117GU105A106A4G	7STRP	0.0,-0.02434,0,0	Slew =,1.21	2R5	4	1	3,946,430:51:0	
2748	97	128	09:59:25.400	117GU105A106A4H	7STRP	-0.0005,0.021743	Slew =12.01	2R5	4	1	3,946,433:36:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2749	97	128	09:59:46.733	117GU105A106A4I	7STRP	0.0,-0.02434,0,0	Slew =,1.21	2R5	4	1	3,946,433:68:0	
2750	97	128	10:02:38.733	176GU6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,946,436:53:0	
2751	97	128	10:02:38.733	117GU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,946,436:53:0	
2752	97	128	10:02:40.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,436:56:0	
2753	97	128	10:02:40.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4732.12 +/-	2R5	4	1	3,946,436:56:0	
2754	97	128	10:02:42.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4732.24 +/-	2R5	4	1	3,946,436:58:1	
2755	97	128	10:02:47.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4733.47 +/-	2R5	4	1	3,946,436:66:0	
2756	97	128	10:02:48.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4733.53 +/-	2R5	4	1	3,946,436:67:8	
2757	97	128	10:02:50.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4733.41 +/-	2R5	4	1	3,946,436:69:9	
2758	97	128	10:02:50.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4733.24 +/-	2R5	4	1	3,946,436:71:0	
2759	97	128	10:03:11.400	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,437:11:0	
2760	97	128	10:03:11.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4728.40 +/-	2R5	4	1	3,946,437:11:0	
2761	97	128	10:03:12.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4728.34 +/-	2R5	4	1	3,946,437:12:8	
2762	**97**	**128**	**10:04:00.066**	**125KA4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R5**	**4**	**1**	**3,946,437:84:0**	
2763	97	128	10:04:00.066	125KA	NIMSINIT	GS	##### GROUP START INIT	4R5	4	1	3,946,437:84:0	
2764	97	128	10:04:04.066	165SB4A	7SCAN	NORM,339.699997,	Check S/P Position	4R5	4	1	3,946,437:90:0	
2765	**97**	**128**	**10:04:08.733**	**G8ENEURORT01-**		**-----START------**		**4R5**	**4**	**1**	**: :**	
2766	**97**	**128**	**10:05:00.733**	**125KA4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R5**	**4**	**1**	**3,946,438:84:0**	
2767	97	128	10:05:00.733	125KA11A	NIMSINIT	GE	##### GROUP END INIT	4R5	4	1	3,946,438:84:0	
2768	97	128	10:06:01.400	127KA	NIMSTAB	GS	%%%%% GROUP START TAB	4R5	4	1	3,946,439:84:0	
2769	**97**	**128**	**10:06:01.400**	**127KA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,946,439:84:0**	
2770	**97**	**128**	**10:06:02.066**	**127KA4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,946,439:85:0**	
2771	97	128	10:06:10.066	127KA11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,946,440:06:0	
2772	97	128	10:06:26.066	432DE6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	3,946,440:30:0	
2773	**97**	**128**	**10:07:25.400**	**432DF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,946,441:28:0**	
2774	97	128	10:07:58.066	117SB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,946,441:77:0	
2775	97	128	10:08:06.066	165SB4B	7VECT		Inert vect update UTC	4R3	4	0	3,946,441:89:0	
2776	97	128	10:08:07.400	117SB105A106A4A	7STRP	0.00175,0.0,0,0,	Slew =,0.03	4R3	4	0	3,946,442:00:0	
2777	**97**	**128**	**10:09:03.400**	**125KB4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,946,442:84:0**	
2778	97	128	10:09:03.400	125KB	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,946,442:84:0	
2779	97	128	10:09:03.400	125KB11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,946,442:84:0	
2780	97	128	10:09:08.066	117SB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,946,443:00:0	
2781	**97**	**128**	**10:09:12.066**	**G8ENEURORT01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2782	97	128	10:23:31.400	488BF6C	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	4R3	4	0	3,946,457:21:0	
2783	97	128	10:30:22.066	192GV4A	**7CONE**	**17.4,0.0**	**Check S/P Position**	4R3	4	0	3,946,464:00:0	
2784	97	128	10:35:08.733	176GV6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,946,468:66:0	
2785	97	128	10:36:35.400	176GV6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,946,470:14:0	
2786	97	128	10:36:37.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,946,470:17:0	
2787	97	128	10:36:37.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4728.34 +/-	4R3	4	0	3,946,470:17:0	
2788	97	128	10:36:38.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4728.46 +/-	4R3	4	0	3,946,470:19:1	
2789	97	128	10:36:44.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4729.69 +/-	4R3	4	0	3,946,470:27:0	
2790	97	128	10:36:45.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4729.75 +/-	4R3	4	0	3,946,470:28:8	
2791	97	128	10:36:46.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4729.63 +/-	4R3	4	0	3,946,470:30:9	
2792	97	128	10:36:47.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4729.46 +/-	4R3	4	0	3,946,470:32:0	
2793	97	128	10:36:58.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,946,470:48:0	
2794	97	128	10:36:58.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4726.96 +/-	4R3	4	0	3,946,470:48:0	
2795	97	128	10:36:59.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4726.90 +/-	4R3	4	0	3,946,470:49:8	
2796	**97**	**128**	**10:48:38.067**	**G8NNNIMSLD05-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2797	97	128	10:49:38.733	20EF6A	6CKSUM	NIMS	NIMS,1000,14BC	4R3	4	0	3,946,483:06:0	
2798	**97**	**128**	**10:50:39.400**	**20EF5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**3,946,484:06:0**	
2799	**97**	**128**	**10:51:40.066**	**20EF5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**3,946,485:06:0**	
2800	**97**	**128**	**10:52:40.733**	**20EF6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**3,946,486:06:0**	
2801	**97**	**128**	**10:53:41.400**	**20EF6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**3,946,487:06:0**	
2802	**97**	**128**	**10:54:42.066**	**20EF5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,946,488:06:0**	
2803	**97**	**128**	**10:55:42.733**	**20EF5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,946,489:06:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2804	**97**	**128**	**10:56:43.400**	**20EF4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,946,490:06:0**	
2805	**97**	**128**	**10:58:44.734**	**G8NNNIMSLD05-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
2806	97	128	10:59:40.733	165ER4A	7SCAN	NORM,329.521999,	Check S/P Position	2R0	4	0	3,946,492:90:0	
2807	**97**	**128**	**10:59:45.400**	**G8JNFEA01001-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
2808	97	128	11:02:10.733	488BF6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2R0	4	0	3,946,495:42:0	
2809	**97**	**128**	**11:02:38.733**	**127ER4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,946,495:84:0**	
2810	97	128	11:02:38.733	127ER	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,946,495:84:0	
2811	**97**	**128**	**11:02:39.400**	**127ER4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,946,495:85:0**	
2812	97	128	11:02:47.400	127ER11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,946,496:06:0	
2813	97	128	11:03:32.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4726.90 +/-	2R5	4	1	3,946,496:73:0	
2814	97	128	11:03:32.066	175ER422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,496:73:0	
2815	97	128	11:03:33.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4727.02 +/-	2R5	4	1	3,946,496:75:1	
2816	97	128	11:03:34.733	117ER	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,946,496:77:0	
2817	97	128	11:03:38.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4728.25 +/-	2R5	4	1	3,946,496:83:0	
2818	97	128	11:03:39.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4728.31 +/-	2R5	4	1	3,946,496:84:8	
2819	97	128	11:03:40.733	175ER176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,946,496:86:0	
2820	97	128	11:03:41.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4728.19 +/-	2R5	4	1	3,946,496:86:9	
2821	97	128	11:03:41.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4728.19 +/-	2R5	4	1	3,946,496:86:9	
2822	97	128	11:03:44.066	117ER105A106A4A	7STRP	-0.011801,0.0,0,	Slew =,0.12	2R5	4	1	3,946,497:00:0	
2823	**97**	**128**	**11:03:44.066**	**G8JNFEA01001-**	**NIMPBK**	**301ER**	**JUPITER FEATURE TRACK 10 DEG PHA**	**2R5**	**4**	**1**	**: :**	
2824	**97**	**128**	**11:05:23.400**	**G8JNFEA01001-**	**DESELC**	**300ER**	**JUPITER FEATURE TRACK 10 DEG PHA**	**2R5**	**4**	**1**	**: :**	
2825	97	128	11:05:24.066	117ER11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,946,498:59:0	
2826	97	128	11:05:35.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4701.46 +/-	2R5	4	1	3,946,498:76:0	
2827	97	128	11:05:35.400	175ER422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,498:76:0	
2828	97	128	11:05:35.400	175ER6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,946,498:76:0	
2829	97	128	11:05:36.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4701.40 +/-	2R5	4	1	3,946,498:77:8	
2830	**97**	**128**	**11:05:49.400**	**G8JNFEA01001-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2831	97	128	11:12:49.400	165ES4A	7SCAN	NORM,329.845997,	Check S/P Position	2R5	4	1	3,946,505:90:0	
2832	**97**	**128**	**11:12:54.067**	**G8JNPFTB1003-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2833	97	128	11:14:39.400	175ES422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,507:73:0	
2834	97	128	11:14:39.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4701.40 +/-	2R5	4	1	3,946,507:73:0	
2835	97	128	11:14:40.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4701.52 +/-	2R5	4	1	3,946,507:75:1	
2836	97	128	11:14:42.066	117ES	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,946,507:77:0	
2837	97	128	11:14:46.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4702.75 +/-	2R5	4	1	3,946,507:83:0	
2838	97	128	11:14:47.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4702.81 +/-	2R5	4	1	3,946,507:84:8	
2839	97	128	11:14:48.066	175ES176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,946,507:86:0	
2840	97	128	11:14:48.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4702.69 +/-	2R5	4	1	3,946,507:86:9	
2841	97	128	11:14:48.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4702.69 +/-	2R5	4	1	3,946,507:86:9	
2842	97	128	11:14:51.400	117ES105A106A4A	7STRP	0.023804,0.0,0,0	Slew =,0.12	2R5	4	1	3,946,508:00:0	
2843	**97**	**128**	**11:14:51.400**	**G8JNPFTB1003-**	**NIMPBK**	**301ES**	**JUPITER PARTIAL FTR TRK B 10 DEG**	**2R5**	**4**	**1**	**: :**	
2844	97	128	11:18:11.400	117ES105A106A4B	7STRP	-0.026006,0.0040	Slew =,7.01	2R5	4	1	3,946,511:27:0	
2845	97	128	11:18:31.400	117ES105A106A4C	7STRP	0.023804,0.0,0,0	Slew =,0.12	2R5	4	1	3,946,511:57:0	
2846	**97**	**128**	**11:21:50.733**	**G8JNPFTB1003-**	**DESELC**	**300ES**	**JUPITER PARTIAL FTR TRK B 10 DEG**	**2R5**	**4**	**1**	**: :**	
2847	97	128	11:21:51.400	117ES11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,946,514:84:0	
2848	**97**	**128**	**11:22:00.067**	**G8JNPFTB1003-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2849	97	128	11:22:02.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4600.96 +/-	2R5	4	1	3,946,515:10:0	
2850	97	128	11:22:02.733	175ES422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,515:10:0	
2851	97	128	11:22:02.733	175ES6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,946,515:10:0	
2852	97	128	11:22:03.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4600.90 +/-	2R5	4	1	3,946,515:11:8	
2853	97	128	11:24:57.400	165ET4A	7SCAN	NORM,333.302998,	Check S/P Position	2R5	4	1	3,946,517:90:0	
2854	**97**	**128**	**11:25:02.067**	**G8JNFEAP1002-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2855	97	128	11:26:47.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4600.90 +/-	2R5	4	1	3,946,519:73:0	
2856	97	128	11:26:47.400	175ET422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,519:73:0	
2857	97	128	11:26:48.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4601.02 +/-	2R5	4	1	3,946,519:75:1	
2858	97	128	11:26:50.066	117ET	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,946,519:77:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2859	97	128	11:26:54.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4602.25 +/-	2R5	4	1	3,946,519:83:0	
2860	97	128	11:26:55.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4602.31 +/-	2R5	4	1	3,946,519:84:8	
2861	97	128	11:26:56.066	175ET176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,946,519:86:0	
2862	97	128	11:26:56.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4602.19 +/-	2R5	4	1	3,946,519:86:9	
2863	97	128	11:26:56.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4602.19 +/-	2R5	4	1	3,946,519:86:9	
2864	97	128	11:26:59.400	117ET105A106A4A	7STRP	0.0102,0.0,0,0,0	Slew =,0.12	2R5	4	1	3,946,520:00:0	
2865	**97**	**128**	**11:26:59.400**	**G8JNFEAP1002-**	**NIMPBK**	**301ET**	**JUPITER FTR AND PRTL TRK DEG PRT**	**2R5**	**4**	**1**	**: :**	
2866	97	128	11:28:26.066	117ET105A106A4B	7STRP	-0.003,0.006002,	Slew =,8.71	2R5	4	1	3,946,521:39:0	
2867	97	128	11:28:46.066	117ET105A106A4C	7STRP	0.0102,0.0,0,0,0	Slew =,0.12	2R5	4	1	3,946,521:69:0	
2868	97	128	11:30:12.733	117ET105A106A4D	7STRP	-0.003,0.006002,	Slew =,8.71	2R5	4	1	3,946,523:17:0	
2869	97	128	11:30:32.733	117ET105A106A4E	7STRP	0.0102,0.0,0,0,0	Slew =,0.12	2R5	4	1	3,946,523:47:0	
2870	**97**	**128**	**11:31:58.733**	**G8JNFEAP1002-**	**DESELC**	**300ET**	**JUPITER FTR AND PRTL TRK DEG PRT**	**2R5**	**4**	**1**	**: :**	
2871	97	128	11:31:59.400	117ET11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,946,524:86:0	
2872	**97**	**128**	**11:32:06.734**	**G8JNFEAP1002-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2873	97	128	11:32:10.733	175ET6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,946,525:12:0	
2874	97	128	11:32:10.733	175ET422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,525:12:0	
2875	97	128	11:32:10.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4528.58 +/-	2R5	4	1	3,946,525:12:0	
2876	97	128	11:32:11.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4528.52 +/-	2R5	4	1	3,946,525:13:8	
2877	97	128	12:14:30.066	165GW4A	7SCAN	NORM,332.088997,	Check S/P Position	2R5	4	1	3,946,566:90:0	
2878	97	128	12:18:24.066	117GW	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,946,570:77:0	
2879	97	128	12:18:33.400	117GW105A106A4A	7STRP	0.005,0.0,0,0,0,	Slew =,0.35	2R5	4	1	3,946,571:00:0	
2880	97	128	12:18:33.400	176GW6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,946,571:00:0	
2881	97	128	12:18:52.066	117GW11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,946,571:28:0	
2882	97	128	12:19:06.733	176GW6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,946,571:50:0	
2883	97	128	12:19:08.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4528.52 +/-	2R5	4	1	3,946,571:53:0	
2884	97	128	12:19:08.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,571:53:0	
2885	97	128	12:19:10.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4528.64 +/-	2R5	4	1	3,946,571:55:1	
2886	97	128	12:19:15.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4529.88 +/-	2R5	4	1	3,946,571:63:0	
2887	97	128	12:19:16.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4529.94 +/-	2R5	4	1	3,946,571:64:8	
2888	97	128	12:19:18.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4529.82 +/-	2R5	4	1	3,946,571:66:9	
2889	97	128	12:19:18.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4529.65 +/-	2R5	4	1	3,946,571:68:0	
2890	97	128	12:19:28.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4527.30 +/-	2R5	4	1	3,946,571:83:0	
2891	97	128	12:19:28.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,571:83:0	
2892	97	128	12:19:29.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4527.24 +/-	2R5	4	1	3,946,571:84:8	
2893	97	128	12:25:37.400	165GX4A	7SCAN	NORM,350.584999,	Check S/P Position	2R5	4	1	3,946,577:90:0	
2894	97	128	12:29:31.400	117GX	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,946,581:77:0	
2895	97	128	12:29:40.733	117GX105A106A4A	7STRP	0.004,0.0,0,0,0,	Slew =,0.29	2R5	4	1	3,946,582:00:0	
2896	97	128	12:29:40.733	176GX6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,946,582:00:0	
2897	97	128	12:29:59.400	117GX11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,946,582:28:0	
2898	97	128	12:30:14.066	176GX6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,946,582:50:0	
2899	97	128	12:30:16.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4527.24 +/-	2R5	4	1	3,946,582:53:0	
2900	97	128	12:30:16.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,582:53:0	
2901	97	128	12:30:17.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4527.36 +/-	2R5	4	1	3,946,582:55:1	
2902	97	128	12:30:22.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4528.60 +/-	2R5	4	1	3,946,582:63:0	
2903	97	128	12:30:23.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4528.66 +/-	2R5	4	1	3,946,582:64:8	
2904	97	128	12:30:25.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4528.54 +/-	2R5	4	1	3,946,582:66:9	
2905	97	128	12:30:26.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4528.36 +/-	2R5	4	1	3,946,582:68:0	
2906	97	128	12:30:36.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4526.02 +/-	2R5	4	1	3,946,582:83:0	
2907	97	128	12:30:36.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,582:83:0	
2908	97	128	12:30:37.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4525.96 +/-	2R5	4	1	3,946,582:84:8	
2909	97	128	13:45:00.066	488BF6E	6TMSED	NORM,GL4	Sci, Eng, and D/L Chan	2R5	4	1	3,946,656:45:0	
2910	97	128	14:04:26.066	488BG6A	6TMSED	NORM,GL6	Sci, Eng, and D/L Chan	2R5	4	1	3,946,675:65:0	
2911	97	128	14:30:02.066	488BG6B	6TMSED	NORM,GL7	Sci, Eng, and D/L Chan	2R5	4	1	3,946,701:03:0	
2912	97	128	15:21:33.400	165GY4A	7SCAN	NORM,351.505997,	Check S/P Position	2R5	4	1	3,946,751:90:0	
2913	97	128	15:25:27.400	117GY	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,946,755:77:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2914	97	128	15:25:36.733	117GY105A106A4A	7STRP	0.004,0.0,0,0,0,	Slew =,0.31	2R5	4	1	3,946,756:00:0	
2915	97	128	15:25:36.733	176GY6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,946,756:00:0	
2916	97	128	15:25:55.400	117GY11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,946,756:28:0	
2917	97	128	15:26:10.066	176GY6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,946,756:50:0	
2918	97	128	15:26:12.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4525.96 +/-	2R5	4	1	3,946,756:53:0	
2919	97	128	15:26:12.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,756:53:0	
2920	97	128	15:26:13.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4526.08 +/-	2R5	4	1	3,946,756:55:1	
2921	97	128	15:26:18.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4527.31 +/-	2R5	4	1	3,946,756:63:0	
2922	97	128	15:26:19.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4527.37 +/-	2R5	4	1	3,946,756:64:8	
2923	97	128	15:26:21.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4527.25 +/-	2R5	4	1	3,946,756:66:9	
2924	97	128	15:26:22.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4527.08 +/-	2R5	4	1	3,946,756:68:0	
2925	97	128	15:26:32.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4524.74 +/-	2R5	4	1	3,946,756:83:0	
2926	97	128	15:26:32.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,756:83:0	
2927	97	128	15:26:33.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4524.68 +/-	2R5	4	1	3,946,756:84:8	
2928	97	128	15:28:38.066	165GZ4A	7SCAN	NORM,358.226997,	Check S/P Position	2R5	4	1	3,946,758:90:0	
2929	97	128	15:32:32.066	117GZ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,946,762:77:0	
2930	97	128	15:32:41.400	117GZ105A106A4A	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,763:00:0	
2931	97	128	15:32:41.400	176GZ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,946,763:00:0	
2932	97	128	15:33:52.066	117GZ105A106A4B	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,764:15:0	
2933	97	128	15:34:04.066	117GZ105A106A4C	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,764:33:0	
2934	97	128	15:35:14.733	117GZ105A106A4D	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,765:48:0	
2935	97	128	15:35:26.733	117GZ105A106A4E	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,765:66:0	
2936	97	128	15:36:37.400	117GZ105A106A4F	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,766:81:0	
2937	97	128	15:36:49.400	117GZ105A106A4G	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,767:08:0	
2938	97	128	15:38:00.066	117GZ105A106A4H	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,768:23:0	
2939	97	128	15:38:12.066	117GZ105A106A4I	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,768:41:0	
2940	97	128	15:39:22.733	117GZ105A106A4J	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,769:56:0	
2941	97	128	15:39:34.733	117GZ105A106A4K	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,769:74:0	
2942	97	128	15:40:45.400	117GZ105A106A4L	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,770:89:0	
2943	97	128	15:40:57.400	117GZ105A106A4M	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,771:16:0	
2944	97	128	15:42:08.066	117GZ105A106A4N	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,772:31:0	
2945	97	128	15:42:20.066	117GZ105A106A4O	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,772:49:0	
2946	97	128	15:43:30.733	117GZ105A106A4P	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,773:64:0	
2947	97	128	15:43:42.733	117GZ105A106A4Q	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,773:82:0	
2948	97	128	15:44:53.400	117GZ105A106A4R	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,775:06:0	
2949	97	128	15:45:05.400	117GZ105A106A4S	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,775:24:0	
2950	97	128	15:46:16.066	117GZ105A106A4T	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,776:39:0	
2951	97	128	15:46:28.066	117GZ105A106A4U	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,776:57:0	
2952	97	128	15:47:38.733	117GZ105A106A4V	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,777:72:0	
2953	97	128	15:47:50.733	117GZ105A106A4W	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,777:90:0	
2954	97	128	15:49:01.400	117GZ105A106A4X	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,779:14:0	
2955	97	128	15:49:13.400	117GZ105A106A4Y	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,779:32:0	
2956	97	128	15:49:54.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,780:02:0	
2957	97	128	15:49:54.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4524.68 +/-	2R5	4	1	3,946,780:02:0	
2958	97	128	15:49:55.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4524.80 +/-	2R5	4	1	3,946,780:04:1	
2959	97	128	15:50:00.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4526.03 +/-	2R5	4	1	3,946,780:12:0	
2960	97	128	15:50:01.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4526.09 +/-	2R5	4	1	3,946,780:13:8	
2961	97	128	15:50:03.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4525.97 +/-	2R5	4	1	3,946,780:15:9	
2962	97	128	15:50:24.066	117GZ105A106A4Z	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,780:47:0	
2963	97	128	15:50:29.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4519.86 +/-	2R5	4	1	3,946,780:55:0	
2964	97	128	15:50:36.066	117GZ105A106A4AA	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,780:65:0	
2965	97	128	15:50:48.066	488BG6C	6TMSED	FILL,GL7	Sci, Eng, and D/L Chan	2R5	4	1	3,946,780:83:0	
2966	97	128	15:50:52.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4514.55 +/-	2R5	4	1	3,946,780:89:0	
2967	97	128	15:50:52.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,780:89:0	
2968	97	128	15:50:53.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4514.49 +/-	2R5	4	1	3,946,780:90:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2969	97	128	15:51:46.733	117GZ105A106A4AB	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,781:80:0	
2970	97	128	15:51:58.733	117GZ105A106A4AC	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,782:07:0	
2971	97	128	15:53:09.400	117GZ105A106A4AD	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,783:22:0	
2972	97	128	15:53:14.066	488BG6D	6TMSED	FILL,GL8	Sci, Eng, and D/L Chan	2R5	4	1	3,946,783:29:0	
2973	97	128	15:53:21.400	117GZ105A106A4AE	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,783:40:0	
2974	97	128	15:54:32.066	117GZ105A106A4AF	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,784:55:0	
2975	97	128	15:54:44.066	117GZ105A106A4AG	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,784:73:0	
2976	97	128	15:54:54.066	488BG6E	6TMSED	NORM,GL8	Sci, Eng, and D/L Chan	2R5	4	1	3,946,784:88:0	
2977	97	128	15:55:54.733	117GZ105A106A4AH	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,785:88:0	
2978	97	128	15:56:06.733	117GZ105A106A4AI	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,786:15:0	
2979	97	128	15:57:17.400	117GZ105A106A4AJ	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,787:30:0	
2980	97	128	15:57:29.400	117GZ105A106A4AK	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,787:48:0	
2981	97	128	15:58:40.066	117GZ105A106A4AL	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,788:63:0	
2982	97	128	15:58:52.066	117GZ105A106A4AM	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,788:81:0	
2983	97	128	16:00:02.733	117GZ105A106A4AN	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,790:05:0	
2984	97	128	16:00:14.733	117GZ105A106A4AO	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,790:23:0	
2985	97	128	16:01:25.400	117GZ105A106A4AP	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,791:38:0	
2986	97	128	16:01:37.400	117GZ105A106A4AQ	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,791:56:0	
2987	97	128	16:02:48.066	117GZ105A106A4AR	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,792:71:0	
2988	97	128	16:03:00.066	117GZ105A106A4AS	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,792:89:0	
2989	97	128	16:04:10.733	117GZ105A106A4AT	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,794:13:0	
2990	97	128	16:04:22.733	117GZ105A106A4AU	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,794:31:0	
2991	97	128	16:05:33.400	117GZ105A106A4AV	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,795:46:0	
2992	97	128	16:05:45.400	117GZ105A106A4AW	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,795:64:0	
2993	97	128	16:06:56.066	117GZ105A106A4AX	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,796:79:0	
2994	97	128	16:07:08.066	117GZ105A106A4AY	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,797:06:0	
2995	97	128	16:07:45.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4514.49 +/-	2R5	4	1	3,946,797:62:0	
2996	97	128	16:07:45.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,797:62:0	
2997	97	128	16:07:46.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4514.61 +/-	2R5	4	1	3,946,797:64:1	
2998	97	128	16:07:52.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4515.85 +/-	2R5	4	1	3,946,797:72:0	
2999	97	128	16:07:53.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4515.91 +/-	2R5	4	1	3,946,797:73:8	
3000	97	128	16:07:54.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4515.79 +/-	2R5	4	1	3,946,797:75:9	
3001	97	128	16:08:18.733	117GZ105A106A4AZ	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,798:21:0	
3002	97	128	16:08:20.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4509.83 +/-	2R5	4	1	3,946,798:23:0	
3003	97	128	16:08:30.733	117GZ105A106A4BA	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,798:39:0	
3004	97	128	16:08:42.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4504.52 +/-	2R5	4	1	3,946,798:57:0	
3005	97	128	16:08:42.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,798:57:0	
3006	97	128	16:08:43.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4504.46 +/-	2R5	4	1	3,946,798:58:8	
3007	97	128	16:09:41.400	117GZ105A106A4BB	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,799:54:0	
3008	97	128	16:09:53.400	117GZ105A106A4BC	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,799:72:0	
3009	97	128	16:11:04.066	117GZ105A106A4BD	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,800:87:0	
3010	97	128	16:11:16.066	117GZ105A106A4BE	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,801:14:0	
3011	97	128	16:12:26.733	117GZ105A106A4BF	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,802:29:0	
3012	97	128	16:12:38.733	117GZ105A106A4BG	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,802:47:0	
3013	97	128	16:13:49.400	117GZ105A106A4BH	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,803:62:0	
3014	97	128	16:14:01.400	117GZ105A106A4BI	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,803:80:0	
3015	97	128	16:15:12.066	117GZ105A106A4BJ	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,805:04:0	
3016	97	128	16:15:24.066	117GZ105A106A4BK	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,805:22:0	
3017	97	128	16:16:34.733	117GZ105A106A4BL	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,806:37:0	
3018	97	128	16:16:46.733	117GZ105A106A4BM	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,806:55:0	
3019	97	128	16:17:57.400	117GZ105A106A4BN	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,807:70:0	
3020	97	128	16:18:09.400	117GZ105A106A4BO	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,807:88:0	
3021	97	128	16:19:20.066	117GZ105A106A4BP	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,809:12:0	
3022	97	128	16:19:32.066	117GZ105A106A4BQ	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,809:30:0	
3023	97	128	16:20:42.733	117GZ105A106A4BR	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,810:45:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3024	97	128	16:20:54.733	117GZ105A106A4BS	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,810	63:0
3025	97	128	16:22:05.400	117GZ105A106A4BT	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,811	78:0
3026	97	128	16:22:17.400	117GZ105A106A4BU	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,812	05:0
3027	97	128	16:23:28.066	117GZ105A106A4BV	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,813	20:0
3028	97	128	16:23:40.066	117GZ105A106A4BW	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,813	38:0
3029	97	128	16:24:50.733	117GZ105A106A4BX	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,814	53:0
3030	97	128	16:25:02.733	117GZ105A106A4BY	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,814	71:0
3031	97	128	16:25:36.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,815	31:0
3032	97	128	16:25:36.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4504.46 +/-	2R5	4	1	3,946,815	31:0
3033	97	128	16:25:38.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4504.58 +/-	2R5	4	1	3,946,815	33:1
3034	97	128	16:25:43.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4505.81 +/-	2R5	4	1	3,946,815	41:0
3035	97	128	16:25:44.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4505.87 +/-	2R5	4	1	3,946,815	42:8
3036	97	128	16:25:46.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4505.75 +/-	2R5	4	1	3,946,815	44:9
3037	97	128	16:26:11.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4499.80 +/-	2R5	4	1	3,946,815	83:0
3038	97	128	16:26:13.400	117GZ105A106A4BZ	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,815	86:0
3039	97	128	16:26:25.400	117GZ105A106A4CA	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,816	13:0
3040	97	128	16:26:34.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4494.49 +/-	2R5	4	1	3,946,816	26:0
3041	97	128	16:26:34.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,816	26:0
3042	97	128	16:26:35.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4494.43 +/-	2R5	4	1	3,946,816	27:8
3043	97	128	16:27:36.066	117GZ105A106A4CB	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,817	28:0
3044	97	128	16:27:48.066	117GZ105A106A4CC	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,817	46:0
3045	97	128	16:28:58.733	117GZ105A106A4CD	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,818	61:0
3046	97	128	16:29:10.733	117GZ105A106A4CE	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,818	79:0
3047	97	128	16:30:21.400	117GZ105A106A4CF	7STRP	-0.002,0.010431,	Slew =12.01	2R5	4	1	3,946,820	03:0
3048	97	128	16:30:33.400	117GZ105A106A4CG	7STRP	0.0,-0.010501,0,	Slew =,0.26	2R5	4	1	3,946,820	21:0
3049	97	128	16:31:44.066	117GZ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,946,821	36:0
3050	97	128	16:33:21.400	176GZ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,946,823	00:0
3051	97	128	16:33:23.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4494.43 +/-	2R5	4	1	3,946,823	03:0
3052	97	128	16:33:23.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,823	03:0
3053	97	128	16:33:24.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4494.55 +/-	2R5	4	1	3,946,823	05:1
3054	97	128	16:33:30.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4495.78 +/-	2R5	4	1	3,946,823	13:0
3055	97	128	16:33:31.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4495.84 +/-	2R5	4	1	3,946,823	14:8
3056	97	128	16:33:32.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4495.72 +/-	2R5	4	1	3,946,823	16:9
3057	97	128	16:33:33.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4495.55 +/-	2R5	4	1	3,946,823	18:0
3058	97	128	16:33:48.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4492.11 +/-	2R5	4	1	3,946,823	40:0
3059	97	128	16:33:48.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,823	40:0
3060	97	128	16:33:49.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4492.05 +/-	2R5	4	1	3,946,823	41:8
3061	97	128	16:34:28.733	165IV4A	7SCAN	NORM,7.659,4.006	Check S/P Position	2R5	4	1	3,946,824	10:0
3062	97	128	16:38:13.400	175IV422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R5	4	1	3,946,827	74:0
3063	97	128	16:38:13.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4492.05 +/-	2R5	4	1	3,946,827	74:0
3064	97	128	16:38:14.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4492.17 +/-	2R5	4	1	3,946,827	76:1
3065	97	128	16:38:20.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4493.41 +/-	2R5	4	1	3,946,827	84:0
3066	97	128	16:38:21.266		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *4493.47 +/-	2R5	4	1	3,946,827	85:8
3067	97	128	16:38:23.400	165IV4B	7VECT		Inert vect update UTC	2R5	4	1	3,946,827	89:0
3068	97	128	16:38:26.066	175IV176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R5	4	1	3,946,828	02:0
3069	97	128	16:38:26.533		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *4427.47 +/-	2R5	4	1	3,946,828	02:7
3070	97	128	16:38:26.533		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 4427.47 +/-	2R5	4	1	3,946,828	02:7
3071	97	128	16:38:31.400		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *4307.70 +/-	2R5	4	1	3,946,828	10:0
3072	97	128	16:38:31.400	175IV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,828	10:0
3073	97	128	16:38:34.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4296.20 +/-	2R5	4	1	3,946,828	14:1
3074	97	128	16:39:24.733	165HA4A	7SCAN	NORM,0.129,-5.50	Check S/P Position	2R5	4	1	3,946,828	90:0
3075	97	128	16:43:18.733	117HA	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,946,832	77:0
3076	97	128	16:43:28.066	176HA6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,946,833	00:0
3077	97	128	16:43:28.066	117HA105A106A4A	7STRP	0.0,-0.185274,0,	Slew =,0.15	2R5	4	1	3,946,833	00:0
3078	97	128	17:00:40.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4296.20 +/-	2R5	4	1	3,946,850	02:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3079	97	128	17:00:40.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,850	02:0
3080	97	128	17:00:42.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4296.32 +/-	2R5	4	1	3,946,850	04:1
3081	97	128	17:00:47.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4297.56 +/-	2R5	4	1	3,946,850	12:0
3082	97	128	17:00:48.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4297.62 +/-	2R5	4	1	3,946,850	13:8
3083	97	128	17:00:50.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4297.50 +/-	2R5	4	1	3,946,850	15:9
3084	97	128	17:01:16.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4291.39 +/-	2R5	4	1	3,946,850	55:0
3085	97	128	17:01:38.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,850	89:0
3086	97	128	17:01:38.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4286.08 +/-	2R5	4	1	3,946,850	89:0
3087	97	128	17:01:39.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4286.02 +/-	2R5	4	1	3,946,850	90:8
3088	97	128	17:16:27.400	176HA6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,946,865	57:0
3089	97	128	17:16:27.400	117HA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,946,865	57:0
3090	97	128	17:16:29.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,865	60:0
3091	97	128	17:16:29.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4286.02 +/-	2R5	4	1	3,946,865	60:0
3092	97	128	17:16:30.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4286.14 +/-	2R5	4	1	3,946,865	62:1
3093	97	128	17:16:36.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4287.37 +/-	2R5	4	1	3,946,865	70:0
3094	97	128	17:16:37.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4287.43 +/-	2R5	4	1	3,946,865	71:8
3095	97	128	17:16:38.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4287.31 +/-	2R5	4	1	3,946,865	73:9
3096	97	128	17:16:39.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4287.14 +/-	2R5	4	1	3,946,865	75:0
3097	97	128	17:16:59.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4282.45 +/-	2R5	4	1	3,946,866	14:0
3098	97	128	17:16:59.400	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,866	14:0
3099	97	128	17:17:00.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4282.39 +/-	2R5	4	1	3,946,866	15:8
3100	97	128	17:20:52.066	165HB4A	7SCAN	NORM,4.497,0.977	Check S/P Position	2R5	4	1	3,946,869	90:0
3101	97	128	17:24:46.066	117HB	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,946,873	77:0
3102	97	128	17:24:55.400	117HB105A106A4A	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,874	00:0
3103	97	128	17:24:55.400	176HB6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,946,874	00:0
3104	97	128	17:28:20.733	117HB105A106A4B	7STRP	0.050042,0.004,0	Slew =12.01	2R5	4	1	3,946,877	35:0
3105	97	128	17:28:31.400	117HB105A106A4C	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,877	51:0
3106	97	128	17:31:56.733	117HB105A106A4D	7STRP	0.050042,0.004,0	Slew =12.01	2R5	4	1	3,946,880	86:0
3107	97	128	17:32:07.400	117HB105A106A4E	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,881	11:0
3108	97	128	17:35:32.733	117HB105A106A4F	7STRP	0.050042,0.004,0	Slew =12.01	2R5	4	1	3,946,884	46:0
3109	97	128	17:35:43.400	117HB105A106A4G	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,884	62:0
3110	97	128	17:39:08.733	117HB105A106A4H	7STRP	0.050042,0.004,0	Slew =12.01	2R5	4	1	3,946,888	06:0
3111	97	128	17:39:19.400	117HB105A106A4I	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,888	22:0
3112	97	128	17:42:08.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,891	02:0
3113	97	128	17:42:08.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4282.39 +/-	2R5	4	1	3,946,891	02:0
3114	97	128	17:42:09.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4282.51 +/-	2R5	4	1	3,946,891	04:1
3115	97	128	17:42:14.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4283.74 +/-	2R5	4	1	3,946,891	12:0
3116	97	128	17:42:15.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4283.80 +/-	2R5	4	1	3,946,891	13:8
3117	97	128	17:42:17.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4283.68 +/-	2R5	4	1	3,946,891	15:9
3118	97	128	17:42:43.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4277.58 +/-	2R5	4	1	3,946,891	55:0
3119	97	128	17:42:44.733	117HB105A106A4J	7STRP	0.050042,0.004,0	Slew =12.01	2R5	4	1	3,946,891	57:0
3120	97	128	17:42:55.400	117HB105A106A4K	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,891	73:0
3121	97	128	17:43:06.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4272.26 +/-	2R5	4	1	3,946,891	89:0
3122	97	128	17:43:06.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,891	89:0
3123	97	128	17:43:07.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4272.20 +/-	2R5	4	1	3,946,891	90:8
3124	97	128	17:46:20.733	117HB105A106A4L	7STRP	0.050042,0.004,0	Slew =12.01	2R5	4	1	3,946,895	17:0
3125	97	128	17:46:31.400	117HB105A106A4M	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,895	33:0
3126	97	128	17:49:56.733	117HB105A106A4N	7STRP	0.050042,0.004,0	Slew =12.01	2R5	4	1	3,946,898	68:0
3127	97	128	17:50:07.400	117HB105A106A4O	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,898	84:0
3128	97	128	17:53:32.733	117HB105A106A4P	7STRP	0.050042,0.004,0	Slew =12.01	2R5	4	1	3,946,902	28:0
3129	97	128	17:53:43.400	117HB105A106A4Q	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,902	44:0
3130	97	128	17:57:08.733	117HB105A106A4R	7STRP	0.050042,0.004,0	Slew =12.01	2R5	4	1	3,946,905	79:0
3131	97	128	17:57:19.400	117HB105A106A4S	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,906	04:0
3132	97	128	17:59:59.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,908	62:0
3133	97	128	17:59:59.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4272.20 +/-	2R5	4	1	3,946,908	62:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3134	97	128	18:00:00.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4272.32 +/-	2R5	4	1	3,946,908:64:1	
3135	97	128	18:00:06.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4273.56 +/-	2R5	4	1	3,946,908:72:0	
3136	97	128	18:00:07.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4273.62 +/-	2R5	4	1	3,946,908:73:8	
3137	97	128	18:00:08.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4273.50 +/-	2R5	4	1	3,946,908:75:9	
3138	97	128	18:00:34.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4267.54 +/-	2R5	4	1	3,946,909:23:0	
3139	97	128	18:00:44.733	117HB105A106A4T	7STRP	0.050042,0.004,0	Slew =12.01	2R5	4	1	3,946,909:39:0	
3140	97	128	18:00:55.400	117HB105A106A4U	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,909:55:0	
3141	97	128	18:00:56.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,909:57:0	
3142	97	128	18:00:56.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4262.23 +/-	2R5	4	1	3,946,909:57:0	
3143	97	128	18:00:57.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4262.17 +/-	2R5	4	1	3,946,909:58:8	
3144	97	128	18:04:20.733	117HB105A106A4V	7STRP	0.050042,0.004,0	Slew =12.01	2R5	4	1	3,946,912:90:0	
3145	97	128	18:04:31.400	117HB105A106A4W	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,913:15:0	
3146	97	128	18:05:30.066	488BH6A	6TMSED	NORM,GL7	Sci, Eng, and D/L Chan	2R5	4	1	3,946,914:12:0	
3147	97	128	18:07:56.733	117HB105A106A4X	7STRP	0.050042,0.004,0	Slew =12.01	2R5	4	1	3,946,916:50:0	
3148	97	128	18:08:07.400	117HB105A106A4Y	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,916:66:0	
3149	97	128	18:11:32.733	117HB105A106A4Z	7STRP	0.050042,0.004,0	Slew =12.01	2R5	4	1	3,946,920:10:0	
3150	97	128	18:11:43.400	117HB105A106A4AA	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,920:26:0	
3151	97	128	18:15:08.733	117HB105A106A4AB	7STRP	0.050042,0.004,0	Slew =12.01	2R5	4	1	3,946,923:61:0	
3152	97	128	18:15:19.400	117HB105A106A4AC	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,923:77:0	
3153	97	128	18:17:50.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,926:31:0	
3154	97	128	18:17:50.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4262.17 +/-	2R5	4	1	3,946,926:31:0	
3155	97	128	18:17:52.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4262.29 +/-	2R5	4	1	3,946,926:33:1	
3156	97	128	18:17:57.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4263.53 +/-	2R5	4	1	3,946,926:41:0	
3157	97	128	18:17:58.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4263.59 +/-	2R5	4	1	3,946,926:42:8	
3158	97	128	18:18:00.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4263.47 +/-	2R5	4	1	3,946,926:44:9	
3159	97	128	18:18:25.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4257.51 +/-	2R5	4	1	3,946,926:83:0	
3160	97	128	18:18:44.733	117HB105A106A4AD	7STRP	0.050042,0.004,0	Slew =12.01	2R5	4	1	3,946,927:21:0	
3161	97	128	18:18:48.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4252.20 +/-	2R5	4	1	3,946,927:26:0	
3162	97	128	18:18:48.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,927:26:0	
3163	97	128	18:18:49.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4252.14 +/-	2R5	4	1	3,946,927:27:8	
3164	97	128	18:18:55.400	117HB105A106A4AE	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,927:37:0	
3165	97	128	18:22:20.733	117HB105A106A4AF	7STRP	0.050042,0.004,0	Slew =12.01	2R5	4	1	3,946,930:72:0	
3166	97	128	18:22:31.400	117HB105A106A4AG	7STRP	-0.052047,-0.003	Slew =,0.26	2R5	4	1	3,946,930:88:0	
3167	97	128	18:25:35.400	176HB6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,946,934:00:0	
3168	97	128	18:25:37.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4252.14 +/-	2R5	4	1	3,946,934:03:0	
3169	97	128	18:25:37.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,934:03:0	
3170	97	128	18:25:38.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4252.26 +/-	2R5	4	1	3,946,934:05:1	
3171	97	128	18:25:44.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4253.49 +/-	2R5	4	1	3,946,934:13:0	
3172	97	128	18:25:45.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4253.55 +/-	2R5	4	1	3,946,934:14:8	
3173	97	128	18:25:46.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4253.43 +/-	2R5	4	1	3,946,934:16:9	
3174	97	128	18:25:47.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4253.26 +/-	2R5	4	1	3,946,934:18:0	
3175	97	128	18:25:56.733	117HB11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,946,934:32:0	
3176	97	128	18:26:02.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4249.83 +/-	2R5	4	1	3,946,934:40:0	
3177	97	128	18:26:02.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,934:40:0	
3178	97	128	18:26:03.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4249.77 +/-	2R5	4	1	3,946,934:41:8	
3179	97	128	18:35:41.400	165HC4A	7SCAN	NORM,16.807,8.55	Check S/P Position	2R5	4	1	3,946,943:90:0	
3180	97	128	18:39:35.400	117HC	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,946,947:77:0	
3181	97	128	18:39:44.733	176HC6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,946,948:00:0	
3182	97	128	18:39:44.733	117HC105A106A4A	7STRP	0.004,0.0,0,0,0,	Slew =,0.29	2R5	4	1	3,946,948:00:0	
3183	97	128	18:40:03.400	117HC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,946,948:28:0	
3184	97	128	18:40:18.066	176HC6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,946,948:50:0	
3185	97	128	18:40:20.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4249.77 +/-	2R5	4	1	3,946,948:53:0	
3186	97	128	18:40:20.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,948:53:0	
3187	97	128	18:40:21.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4249.89 +/-	2R5	4	1	3,946,948:55:1	
3188	97	128	18:40:26.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4251.12 +/-	2R5	4	1	3,946,948:63:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3189	97	128	18:40:27.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4251.18 +/-	2R5	4	1	3,946,948:64:8	
3190	97	128	18:40:29.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4251.06 +/-	2R5	4	1	3,946,948:66:9	
3191	97	128	18:40:30.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4250.89 +/-	2R5	4	1	3,946,948:68:0	
3192	97	128	18:40:40.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,948:83:0	
3193	97	128	18:40:40.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4248.54 +/-	2R5	4	1	3,946,948:83:0	
3194	97	128	18:40:41.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4248.48 +/-	2R5	4	1	3,946,948:84:8	
3195	97	128	18:40:44.733	165HD4A	7SCAN	NORM,10.581,5.34	Check S/P Position	2R5	4	1	3,946,948:90:0	
3196	97	128	18:44:38.733	117HD	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,946,952:77:0	
3197	97	128	18:44:48.066	176HD6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,946,953:00:0	
3198	97	128	18:44:48.066	117HD105A106A4A	7STRP	0.056059,0.0,0,0	Slew =,0.27	2R5	4	1	3,946,953:00:0	
3199	97	128	18:48:20.733	117HD105A106A4B	7STRP	-0.057563,0.001,	Slew =12.01	2R5	4	1	3,946,956:46:0	
3200	97	128	18:48:30.733	117HD105A106A4C	7STRP	0.056059,0.0,0,0	Slew =,0.27	2R5	4	1	3,946,956:61:0	
3201	97	128	18:52:03.400	117HD105A106A4D	7STRP	-0.057563,0.001,	Slew =12.01	2R5	4	1	3,946,960:16:0	
3202	97	128	18:52:13.400	117HD105A106A4E	7STRP	0.056059,0.0,0,0	Slew =,0.27	2R5	4	1	3,946,960:31:0	
3203	97	128	18:55:46.066	117HD105A106A4F	7STRP	-0.057563,0.001,	Slew =12.01	2R5	4	1	3,946,963:77:0	
3204	97	128	18:55:56.066	117HD105A106A4G	7STRP	0.056059,0.0,0,0	Slew =,0.27	2R5	4	1	3,946,964:01:0	
3205	97	128	18:59:28.733	117HD105A106A4H	7STRP	-0.057563,0.001,	Slew =12.01	2R5	4	1	3,946,967:47:0	
3206	97	128	18:59:38.733	117HD105A106A4I	7STRP	0.056059,0.0,0,0	Slew =,0.27	2R5	4	1	3,946,967:62:0	
3207	97	128	19:00:00.066	488BH6B	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	2R5	4	1	3,946,968:03:0	
3208	97	128	19:02:00.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4248.48 +/-	2R5	4	1	3,946,970:02:0	
3209	97	128	19:02:00.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,970:02:0	
3210	97	128	19:02:02.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4248.60 +/-	2R5	4	1	3,946,970:04:1	
3211	97	128	19:02:07.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4249.84 +/-	2R5	4	1	3,946,970:12:0	
3212	97	128	19:02:08.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4249.90 +/-	2R5	4	1	3,946,970:13:8	
3213	97	128	19:02:10.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4249.78 +/-	2R5	4	1	3,946,970:15:9	
3214	97	128	19:02:36.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4243.67 +/-	2R5	4	1	3,946,970:55:0	
3215	97	128	19:02:58.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,970:89:0	
3216	97	128	19:02:58.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4238.36 +/-	2R5	4	1	3,946,970:89:0	
3217	97	128	19:02:59.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4238.30 +/-	2R5	4	1	3,946,970:90:8	
3218	97	128	19:03:11.400	117HD105A106A4J	7STRP	-0.057563,0.001,	Slew =12.01	2R5	4	1	3,946,971:17:0	
3219	97	128	19:03:21.400	117HD105A106A4K	7STRP	0.056059,0.0,0,0	Slew =,0.27	2R5	4	1	3,946,971:32:0	
3220	97	128	19:04:02.066	488BH6C	6TMSED	FILL,HL7	Sci, Eng, and D/L Chan	2R5	4	1	3,946,972:02:0	
3221	97	128	19:06:54.066	117HD105A106A4L	7STRP	-0.057563,0.001,	Slew =12.01	2R5	4	1	3,946,974:78:0	
3222	97	128	19:07:04.066	117HD105A106A4M	7STRP	0.056059,0.0,0,0	Slew =,0.27	2R5	4	1	3,946,975:02:0	
3223	97	128	19:10:36.733	117HD105A106A4N	7STRP	-0.057563,0.001,	Slew =12.01	2R5	4	1	3,946,978:48:0	
3224	97	128	19:10:46.733	117HD105A106A4O	7STRP	0.056059,0.0,0,0	Slew =,0.27	2R5	4	1	3,946,978:63:0	
3225	97	128	19:14:19.400	117HD105A106A4P	7STRP	-0.057563,0.001,	Slew =12.01	2R5	4	1	3,946,982:18:0	
3226	97	128	19:14:29.400	117HD105A106A4Q	7STRP	0.056059,0.0,0,0	Slew =,0.27	2R5	4	1	3,946,982:33:0	
3227	97	128	19:18:02.066	117HD105A106A4R	7STRP	-0.057563,0.001,	Slew =12.01	2R5	4	1	3,946,985:79:0	
3228	97	128	19:18:12.066	117HD105A106A4S	7STRP	0.056059,0.0,0,0	Slew =,0.27	2R5	4	1	3,946,986:03:0	
3229	97	128	19:19:52.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4238.30 +/-	2R5	4	1	3,946,987:62:0	
3230	97	128	19:19:52.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,946,987:62:0	
3231	97	128	19:19:53.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4238.42 +/-	2R5	4	1	3,946,987:64:1	
3232	97	128	19:19:58.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4239.65 +/-	2R5	4	1	3,946,987:72:0	
3233	97	128	19:19:59.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4239.71 +/-	2R5	4	1	3,946,987:73:8	
3234	97	128	19:20:01.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4239.59 +/-	2R5	4	1	3,946,987:75:9	
3235	97	128	19:20:26.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4233.64 +/-	2R5	4	1	3,946,988:23:0	
3236	97	128	19:20:49.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4228.33 +/-	2R5	4	1	3,946,988:57:0	
3237	97	128	19:20:49.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,946,988:57:0	
3238	97	128	19:20:50.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4228.27 +/-	2R5	4	1	3,946,988:58:8	
3239	97	128	19:21:44.733	117HD105A106A4T	7STRP	-0.057563,0.001,	Slew =12.01	2R5	4	1	3,946,989:49:0	
3240	97	128	19:21:54.733	117HD105A106A4U	7STRP	0.056059,0.0,0,0	Slew =,0.27	2R5	4	1	3,946,989:64:0	
3241	97	128	19:25:27.400	117HD105A106A4V	7STRP	-0.057563,0.001,	Slew =12.01	2R5	4	1	3,946,993:19:0	
3242	97	128	19:25:37.400	117HD105A106A4W	7STRP	0.056059,0.0,0,0	Slew =,0.27	2R5	4	1	3,946,993:34:0	
3243	97	128	19:28:34.733	488BH6D	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	2R5	4	1	3,946,996:27:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3244	97	128	19:29:10.066	117HD105A106A4X	7STRP	-0.057563,0.001,	Slew =12.01	2R5	4	1	3,946,996:80:0	
3245	97	128	19:29:20.066	117HD105A106A4Y	7STRP	0.056059,0.0,0,0	Slew =,0.27	2R5	4	1	3,946,997:04:0	
3246	97	128	19:30:04.066	20ML6A	6CKSUM	MAG,4040,46F0		2R5	4	1	3,946,997:70:0	
3247	97	128	19:31:00.066	480MC6A	6MROH	12,2282,0,A2	read from LLM1A12,2282,0,A2	2R5	4	1	3,946,998:63:0	
3248	97	128	19:31:00.066	480MC6	6MROH	12	read from LLM1A12,2282,0,A2	2R5	4	1	3,946,998:63:0	
3249	97	128	19:32:52.733	117HD105A106A4Z	7STRP	-0.057563,0.001,	Slew =12.01	2R5	4	1	3,947,000:50:0	
3250	97	128	19:33:02.733	117HD105A106A4AA	7STRP	0.056059,0.0,0,0	Slew =,0.27	2R5	4	1	3,947,000:65:0	
3251	97	128	19:36:35.400	117HD105A106B4A	7STRP	-0.0671,0.030016	Slew =12.01	2R5	4	1	3,947,004:20:0	
3252	97	128	19:36:47.400	117HD105A106B4B	7STRP	0.001,0.0,0,0,0,	Slew =,0.27	2R5	4	1	3,947,004:38:0	
3253	97	128	19:37:07.400	117HD105A106C4A	7STRP	-0.019002,0.001,	Slew =12.01	2R5	4	1	3,947,004:68:0	
3254	97	128	19:37:14.066	117HD105A106C4B	7STRP	0.018002,0.0,0,0	Slew =,0.27	2R5	4	1	3,947,004:78:0	
3255	97	128	19:37:43.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4228.27 +/-	2R5	4	1	3,947,005:31:0	
3256	97	128	19:37:43.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,005:31:0	
3257	97	128	19:37:44.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4228.39 +/-	2R5	4	1	3,947,005:33:1	
3258	97	128	19:37:50.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4229.62 +/-	2R5	4	1	3,947,005:41:0	
3259	97	128	19:37:51.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4229.68 +/-	2R5	4	1	3,947,005:42:8	
3260	97	128	19:37:52.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4229.56 +/-	2R5	4	1	3,947,005:44:9	
3261	97	128	19:38:18.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4223.61 +/-	2R5	4	1	3,947,005:83:0	
3262	97	128	19:38:26.066	117HD105A106C4C	7STRP	-0.019002,0.001,	Slew =12.01	2R5	4	1	3,947,006:04:0	
3263	97	128	19:38:32.733	117HD105A106C4D	7STRP	0.018002,0.0,0,0	Slew =,0.27	2R5	4	1	3,947,006:14:0	
3264	97	128	19:38:40.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4218.29 +/-	2R5	4	1	3,947,006:26:0	
3265	97	128	19:38:40.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,006:26:0	
3266	97	128	19:38:41.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4218.23 +/-	2R5	4	1	3,947,006:27:8	
3267	97	128	19:39:44.733	117HD105A106C4E	7STRP	-0.019002,0.001,	Slew =12.01	2R5	4	1	3,947,007:31:0	
3268	97	128	19:39:51.400	117HD105A106C4F	7STRP	0.018002,0.0,0,0	Slew =,0.27	2R5	4	1	3,947,007:41:0	
3269	97	128	19:41:03.400	117HD105A106C4G	7STRP	-0.019002,0.001,	Slew =12.01	2R5	4	1	3,947,008:58:0	
3270	97	128	19:41:10.066	117HD105A106C4H	7STRP	0.018002,0.0,0,0	Slew =,0.27	2R5	4	1	3,947,008:68:0	
3271	97	128	19:42:22.066	117HD105A106C4I	7STRP	-0.019002,0.001,	Slew =12.01	2R5	4	1	3,947,009:85:0	
3272	97	128	19:42:28.733	117HD105A106C4J	7STRP	0.018002,0.0,0,0	Slew =,0.27	2R5	4	1	3,947,010:04:0	
3273	97	128	19:43:40.733	117HD105A106C4K	7STRP	-0.019002,0.001,	Slew =12.01	2R5	4	1	3,947,011:21:0	
3274	97	128	19:43:47.400	117HD105A106C4L	7STRP	0.018002,0.0,0,0	Slew =,0.27	2R5	4	1	3,947,011:31:0	
3275	97	128	19:44:59.400	117HD105A106C4M	7STRP	-0.019002,0.001,	Slew =12.01	2R5	4	1	3,947,012:48:0	
3276	97	128	19:45:06.066	117HD105A106C4N	7STRP	0.018002,0.0,0,0	Slew =,0.27	2R5	4	1	3,947,012:58:0	
3277	97	128	19:46:18.066	117HD105A106C4O	7STRP	-0.019002,0.001,	Slew =12.01	2R5	4	1	3,947,013:75:0	
3278	97	128	19:46:24.733	117HD105A106C4P	7STRP	0.018002,0.0,0,0	Slew =,0.27	2R5	4	1	3,947,013:85:0	
3279	97	128	19:47:22.066	176HD6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,947,014:80:0	
3280	97	128	19:47:24.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4218.23 +/-	2R5	4	1	3,947,014:83:0	
3281	97	128	19:47:24.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,014:83:0	
3282	97	128	19:47:25.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4218.35 +/-	2R5	4	1	3,947,014:85:1	
3283	97	128	19:47:30.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4219.59 +/-	2R5	4	1	3,947,015:02:0	
3284	97	128	19:47:31.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4219.65 +/-	2R5	4	1	3,947,015:03:8	
3285	97	128	19:47:33.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4219.53 +/-	2R5	4	1	3,947,015:05:9	
3286	97	128	19:47:34.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4219.36 +/-	2R5	4	1	3,947,015:07:0	
3287	97	128	19:47:36.733	117HD11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,947,015:11:0	
3288	97	128	19:47:50.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4215.61 +/-	2R5	4	1	3,947,015:31:0	
3289	97	128	19:47:50.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,015:31:0	
3290	97	128	19:47:51.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4215.55 +/-	2R5	4	1	3,947,015:32:8	
3291	**97**	**128**	**19:48:25.400**	**127KP4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,947,015:84:0**	
3292	97	128	19:48:25.400	127KP	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,947,015:84:0	
3293	**97**	**128**	**19:48:26.066**	**127KP4B**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,947,015:85:0**	
3294	**97**	**128**	**19:48:34.066**	**G8NNHEALTH04-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3295	97	128	19:48:34.066	127KP11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,947,016:06:0	
3296	97	128	19:48:50.066	432DV6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	3,947,016:30:0	
3297	97	128	19:49:30.066	165HE4A	7SCAN	NORM,16.889,8.56	Check S/P Position	2R3	4	0	3,947,016:90:0	
3298	**97**	**128**	**19:49:49.400**	**432DW6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,947,017:28:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3299	**97**	**128**	**19:50:35.400**	**G8NNNIMSLD06-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3300	**97**	**128**	**19:50:35.400**	**G8NNHEALTH04-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3301	97	128	19:51:36.066	20EG6A	6CKSUM	NIMS	NIMS,1000,14BC	2R3	4	0	3,947,019:06:0	
3302	**97**	**128**	**19:52:36.733**	**20EG5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**3,947,020:06:0**	
3303	97	128	19:53:24.066	117HE	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	3,947,020:77:0	
3304	97	128	19:53:33.400	176HE6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	3,947,021:00:0	
3305	97	128	19:53:33.400	117HE105A106A4A	7STRP	0.004,0.0,0,0,0,	Slew =,0.31	2R3	4	0	3,947,021:00:0	
3306	**97**	**128**	**19:53:37.400**	**20EG5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**3,947,021:06:0**	
3307	97	128	19:53:52.066	117HE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	3,947,021:28:0	
3308	97	128	19:54:06.733	176HE6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	3,947,021:50:0	
3309	97	128	19:54:08.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	3,947,021:53:0	
3310	97	128	19:54:08.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4215.55 +/-	2R3	4	0	3,947,021:53:0	
3311	97	128	19:54:10.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4215.67 +/-	2R3	4	0	3,947,021:55:1	
3312	97	128	19:54:15.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4216.90 +/-	2R3	4	0	3,947,021:63:0	
3313	97	128	19:54:16.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4216.96 +/-	2R3	4	0	3,947,021:64:8	
3314	97	128	19:54:18.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4216.84 +/-	2R3	4	0	3,947,021:66:9	
3315	97	128	19:54:18.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4216.67 +/-	2R3	4	0	3,947,021:68:0	
3316	97	128	19:54:28.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4214.33 +/-	2R3	4	0	3,947,021:83:0	
3317	97	128	19:54:28.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	3,947,021:83:0	
3318	97	128	19:54:29.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4214.27 +/-	2R3	4	0	3,947,021:84:8	
3319	**97**	**128**	**19:54:38.066**	**20EG6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**3,947,022:06:0**	
3320	**97**	**128**	**19:55:38.733**	**20EG6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**3,947,023:06:0**	
3321	**97**	**128**	**19:56:39.400**	**20EG5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,947,024:06:0**	
3322	97	128	19:57:35.400	165EU4A	7SCAN	NORM,17.095,3.39	Check S/P Position	260	4	0	3,947,024:90:0	
3323	**97**	**128**	**19:57:40.066**	**20EG5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,947,025:06:0**	
3324	**97**	**128**	**19:58:40.733**	**20EG4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,947,026:06:0**	
3325	97	128	20:00:33.400	127EU	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	3,947,027:84:0	
3326	**97**	**128**	**20:00:33.400**	**127EU4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,947,027:84:0**	
3327	**97**	**128**	**20:00:34.066**	**127EU4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,947,027:85:0**	
3328	**97**	**128**	**20:00:42.066**	**G8JNFEAP7101-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3329	**97**	**128**	**20:00:42.066**	**G8NNNIMSLD06-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3330	97	128	20:00:42.066	127EU11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,947,028:06:0	
3331	97	128	20:01:26.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4214.27 +/-	2R5	4	1	3,947,028:73:0	
3332	97	128	20:01:26.733	175EU422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,028:73:0	
3333	97	128	20:01:28.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4214.39 +/-	2R5	4	1	3,947,028:75:1	
3334	97	128	20:01:29.400	117EU	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,947,028:77:0	
3335	97	128	20:01:33.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4215.62 +/-	2R5	4	1	3,947,028:83:0	
3336	97	128	20:01:34.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4215.68 +/-	2R5	4	1	3,947,028:84:8	
3337	97	128	20:01:35.400	175EU176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,947,028:86:0	
3338	97	128	20:01:36.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4215.56 +/-	2R5	4	1	3,947,028:86:9	
3339	97	128	20:01:36.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4215.56 +/-	2R5	4	1	3,947,028:86:9	
3340	**97**	**128**	**20:01:38.733**	**G8JNFEAP7101-**	**NIMPBK**	**301EU**	**JUPITER FTR AND PRTL TRK 71 DEG**	**2R5**	**4**	**1**	**: :**	
3341	97	128	20:01:38.733	117EU105A106A4A	7STRP	0.035815,0.0,0,0	Slew =,0.12	2R5	4	1	3,947,029:00:0	
3342	**97**	**128**	**20:06:38.066**	**G8JNFEAP7101-**	**DESELC**	**300EU**	**JUPITER FTR AND PRTL TRK 71 DEG**	**2R5**	**4**	**1**	**: :**	
3343	97	128	20:06:38.733	117EU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,947,033:86:0	
3344	97	128	20:06:50.066	175EU6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,947,034:12:0	
3345	97	128	20:06:50.066	175EU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,034:12:0	
3346	97	128	20:06:50.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4141.95 +/-	2R5	4	1	3,947,034:12:0	
3347	97	128	20:06:51.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4141.89 +/-	2R5	4	1	3,947,034:13:8	
3348	**97**	**128**	**20:07:46.733**	**G8JNFEAP7101-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3349	97	128	20:10:44.066	165EV4A	7SCAN	NORM,17.859,4.78	Check S/P Position	2R5	4	1	3,947,037:90:0	
3350	**97**	**128**	**20:10:48.733**	**G8JNPFTB7101-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3351	97	128	20:12:34.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4141.89 +/-	2R5	4	1	3,947,039:73:0	
3352	97	128	20:12:34.066	175EV422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,039:73:0	
3353	97	128	20:12:35.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4142.01 +/-	2R5	4	1	3,947,039:75:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3354	97	128	20:12:36.733	117EV	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,947,039	77:0
3355	97	128	20:12:40.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4143.24 +/-	2R5	4	1	3,947,039	83:0
3356	97	128	20:12:41.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4143.30 +/-	2R5	4	1	3,947,039	84:8
3357	97	128	20:12:42.733	175EV176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,947,039	86:0
3358	97	128	20:12:43.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4143.18 +/-	2R5	4	1	3,947,039	86:9
3359	97	128	20:12:43.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4143.18 +/-	2R5	4	1	3,947,039	86:9
3360	**97**	**128**	**20:12:46.066**	**G8JNPFTB7101-**	**NIMPBK**	**301EV**	**JUPITER PARTIAL FTR TRK B 71 DEG**	**2R5**	**4**	**1**	**: :**	
3361	97	128	20:12:46.066	117EV105A106A4A	7STRP	0.023804,0.0,0,0	Slew =,0.12	2R5	4	1	3,947,040	00:0
3362	97	128	20:16:06.066	117EV105A106A4B	7STRP	-0.027007,0.008,	Slew =12.01	2R5	4	1	3,947,043	27:0
3363	97	128	20:16:26.066	117EV105A106A4C	7STRP	0.023804,0.0,0,0	Slew =,0.12	2R5	4	1	3,947,043	57:0
3364	**97**	**128**	**20:19:45.400**	**G8JNPFTB7101-**	**DESELC**	**300EV**	**JUPITER PARTIAL FTR TRK B 71 DEG**	**2R5**	**4**	**1**	**: :**	
3365	97	128	20:19:46.066	117EV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,947,046	84:0
3366	97	128	20:19:50.066	165HF4A	7SCAN	NORM,14.782,2.62	Check S/P Position	2R5	4	1	3,947,046	90:0
3367	97	128	20:19:57.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4041.45 +/-	2R5	4	1	3,947,047	10:0
3368	97	128	20:19:57.400	175EV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,047	10:0
3369	97	128	20:19:57.400	175EV6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,947,047	10:0
3370	97	128	20:19:58.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4041.39 +/-	2R5	4	1	3,947,047	11:8
3371	97	128	20:20:42.066	117HF	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,947,047	77:0
3372	97	128	20:20:51.400	117HF105A106A4A	7STRP	-0.080171,-0.006	Slew =,0.31	2R5	4	1	3,947,048	00:0
3373	97	128	20:20:51.400	176HF6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,947,048	00:0
3374	97	128	20:25:14.733	117HF105A106A4B	7STRP	0.074638,0.007,0	Slew =12.01	2R5	4	1	3,947,052	31:0
3375	97	128	20:25:26.066	117HF105A106A4C	7STRP	-0.080171,-0.006	Slew =,0.31	2R5	4	1	3,947,052	48:0
3376	**97**	**128**	**20:28:00.066**	**G8JNPFTB7101-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3377	97	128	20:29:49.400	117HF105A106A4D	7STRP	0.074638,0.007,0	Slew =12.01	2R5	4	1	3,947,056	79:0
3378	97	128	20:30:00.733	117HF105A106A4E	7STRP	-0.080171,-0.006	Slew =,0.31	2R5	4	1	3,947,057	05:0
3379	97	128	20:34:24.066	117HF105A106A4F	7STRP	0.074638,0.007,0	Slew =12.01	2R5	4	1	3,947,061	36:0
3380	97	128	20:34:35.400	117HF105A106A4G	7STRP	-0.080171,-0.006	Slew =,0.31	2R5	4	1	3,947,061	53:0
3381	97	128	20:38:04.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,065	02:0
3382	97	128	20:38:04.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4041.39 +/-	2R5	4	1	3,947,065	02:0
3383	97	128	20:38:05.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4041.51 +/-	2R5	4	1	3,947,065	04:1
3384	97	128	20:38:10.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4042.74 +/-	2R5	4	1	3,947,065	12:0
3385	97	128	20:38:11.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4042.80 +/-	2R5	4	1	3,947,065	13:8
3386	97	128	20:38:13.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4042.68 +/-	2R5	4	1	3,947,065	15:9
3387	97	128	20:38:39.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4036.58 +/-	2R5	4	1	3,947,065	55:0
3388	97	128	20:38:58.733	117HF105A106A4H	7STRP	0.074638,0.007,0	Slew =12.01	2R5	4	1	3,947,065	84:0
3389	97	128	20:39:02.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,065	89:0
3390	97	128	20:39:02.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4031.26 +/-	2R5	4	1	3,947,065	89:0
3391	97	128	20:39:03.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4031.20 +/-	2R5	4	1	3,947,065	90:8
3392	97	128	20:39:10.066	117HF105A106A4I	7STRP	-0.080171,-0.006	Slew =,0.31	2R5	4	1	3,947,066	10:0
3393	97	128	20:43:33.400	117HF105A106A4J	7STRP	0.074638,0.007,0	Slew =12.01	2R5	4	1	3,947,070	41:0
3394	97	128	20:43:44.733	117HF105A106A4K	7STRP	-0.080171,-0.006	Slew =,0.31	2R5	4	1	3,947,070	58:0
3395	97	128	20:48:08.066	117HF105A106A4L	7STRP	0.074638,0.007,0	Slew =12.01	2R5	4	1	3,947,074	89:0
3396	97	128	20:48:19.400	117HF105A106A4M	7STRP	-0.080171,-0.006	Slew =,0.31	2R5	4	1	3,947,075	15:0
3397	97	128	20:52:42.733	176HF6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,947,079	46:0
3398	97	128	20:52:42.733	117HF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,947,079	46:0
3399	97	128	20:52:44.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,079	49:0
3400	97	128	20:52:44.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4031.20 +/-	2R5	4	1	3,947,079	49:0
3401	97	128	20:52:46.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4031.32 +/-	2R5	4	1	3,947,079	51:1
3402	97	128	20:52:51.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4032.56 +/-	2R5	4	1	3,947,079	59:0
3403	97	128	20:52:52.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4032.62 +/-	2R5	4	1	3,947,079	60:8
3404	97	128	20:52:54.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *4032.50 +/-	2R5	4	1	3,947,079	62:9
3405	97	128	20:52:54.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4032.33 +/-	2R5	4	1	3,947,079	64:0
3406	97	128	20:53:14.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,080	02:0
3407	97	128	20:53:14.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4027.79 +/-	2R5	4	1	3,947,080	02:0
3408	97	128	20:53:15.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4027.73 +/-	2R5	4	1	3,947,080	03:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3409	**97**	**128**	**20:53:16.733**	**G8NNNIMSLD07-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3410	97	128	20:54:17.400	20EH6A	6CKSUM	NIMS	NIMS,1000,14BC	2R5	4	1	3,947,081:06:0	
3411	**97**	**128**	**20:55:18.066**	**20EH5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R5**	**4**	**1**	**3,947,082:06:0**	
3412	**97**	**128**	**20:56:18.733**	**20EH5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R5**	**4**	**1**	**3,947,083:06:0**	
3413	**97**	**128**	**20:57:19.400**	**20EH6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R5**	**4**	**1**	**3,947,084:06:0**	
3414	**97**	**128**	**20:58:20.066**	**20EH6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R5**	**4**	**1**	**3,947,085:06:0**	
3415	**97**	**128**	**20:59:20.733**	**20EH5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,947,086:06:0**	
3416	**97**	**128**	**21:00:21.400**	**20EH5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,947,087:06:0**	
3417	**97**	**128**	**21:01:22.066**	**20EH4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,947,088:06:0**	
3418	**97**	**128**	**21:03:14.733**	**127EW4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,947,089:84:0**	
3419	97	128	21:03:14.733	127EW	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,947,089:84:0	
3420	**97**	**128**	**21:03:15.400**	**127EW4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,947,089:85:0**	
3421	97	128	21:03:18.733	165EW4A	7SCAN	NORM,19.662,5.66	Check S/P Position	2R5	4	1	3,947,089:90:0	
3422	97	128	21:03:23.400	127EW11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,947,090:06:0	
3423	**97**	**128**	**21:03:23.400**	**G8JNPFTB7102-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3424	**97**	**128**	**21:03:23.400**	**G8NNNIMSLD07-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3425	97	128	21:04:08.066	175EW422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,090:73:0	
3426	97	128	21:04:08.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4027.73 +/-	2R5	4	1	3,947,090:73:0	
3427	97	128	21:04:09.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4027.85 +/-	2R5	4	1	3,947,090:75:1	
3428	97	128	21:04:10.733	117EW	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,947,090:77:0	
3429	97	128	21:04:14.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4029.09 +/-	2R5	4	1	3,947,090:83:0	
3430	97	128	21:04:15.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4029.15 +/-	2R5	4	1	3,947,090:84:8	
3431	97	128	21:04:16.733	175EW176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,947,090:86:0	
3432	97	128	21:04:17.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4029.03 +/-	2R5	4	1	3,947,090:86:9	
3433	97	128	21:04:17.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4029.03 +/-	2R5	4	1	3,947,090:86:9	
3434	**97**	**128**	**21:04:20.066**	**G8JNPFTB7102-**	**NIMPBK**	**301EX**	**JUPITER PARTIAL FTR TRK B 71 DEG**	**2R5**	**4**	**1**	**: :**	
3435	97	128	21:04:20.066	117EW105A106A4A	7STRP	0.023804,0.0,0,0	Slew =,0.12	2R5	4	1	3,947,091:00:0	
3436	97	128	21:07:40.066	117EW105A106A4B	7STRP	-0.026006,0.008,	Slew =12.01	2R5	4	1	3,947,094:27:0	
3437	97	128	21:08:00.066	117EW105A106A4C	7STRP	0.023804,0.0,0,0	Slew =,0.12	2R5	4	1	3,947,094:57:0	
3438	**97**	**128**	**21:11:19.400**	**G8JNPFTB7102-**	**DESELC**	**300EX**	**JUPITER PARTIAL FTR TRK B 71 DEG**	**2R5**	**4**	**1**	**: :**	
3439	97	128	21:11:20.066	117EW11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,947,097:84:0	
3440	**97**	**128**	**21:11:28.733**	**G8JNPFTB7102-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3441	97	128	21:11:31.400	175EW6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,947,098:10:0	
3442	97	128	21:11:31.400	175EW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,098:10:0	
3443	97	128	21:11:31.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3927.29 +/-	2R5	4	1	3,947,098:10:0	
3444	97	128	21:11:32.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3927.23 +/-	2R5	4	1	3,947,098:11:8	
3445	97	128	21:16:27.400	165EX4A	7SCAN	NORM,21.114,5.18	Check S/P Position	2R5	4	1	3,947,102:90:0	
3446	**97**	**128**	**21:16:32.066**	**G8JNFEAP7102-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3447	97	128	21:17:16.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3927.23 +/-	2R5	4	1	3,947,103:73:0	
3448	97	128	21:17:16.733	175EX422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,103:73:0	
3449	97	128	21:17:18.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3927.35 +/-	2R5	4	1	3,947,103:75:1	
3450	97	128	21:17:19.400	117EX	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,947,103:77:0	
3451	97	128	21:17:23.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3928.59 +/-	2R5	4	1	3,947,103:83:0	
3452	97	128	21:17:24.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3928.65 +/-	2R5	4	1	3,947,103:84:8	
3453	97	128	21:17:25.400	175EX176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,947,103:86:0	
3454	97	128	21:17:26.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3928.53 +/-	2R5	4	1	3,947,103:86:9	
3455	97	128	21:17:26.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3928.53 +/-	2R5	4	1	3,947,103:86:9	
3456	**97**	**128**	**21:17:28.733**	**G8JNFEAP7102-**	**NIMPBK**	**301EY**	**JUPITER FTR AND PRTL TRK 71 DEG**	**2R5**	**4**	**1**	**: :**	
3457	97	128	21:17:28.733	117EX105A106A4A	7STRP	0.032812,0.0,0,0	Slew =,0.11	2R5	4	1	3,947,104:00:0	
3458	**97**	**128**	**21:22:28.066**	**G8JNFEAP7102-**	**DESELC**	**300EY**	**JUPITER FTR AND PRTL TRK 71 DEG**	**2R5**	**4**	**1**	**: :**	
3459	97	128	21:22:28.733	117EX11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,947,108:86:0	
3460	**97**	**128**	**21:22:36.066**	**G8JNFEAP7102-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3461	97	128	21:22:40.066	175EX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,109:12:0	
3462	97	128	21:22:40.066	175EX6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,947,109:12:0	
3463	97	128	21:22:40.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3854.92 +/-	2R5	4	1	3,947,109:12:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3464	97	128	21:22:41.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3854.86 +/-	2R5	4	1	3,947,109:13:8	
3465	97	128	21:30:36.733	165HG4A	7SCAN	NORM,67.157,23.7	Check S/P Position	2R5	4	1	3,947,116:90:0	
3466	97	128	21:34:30.733	117HG	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,947,120:77:0	
3467	97	128	21:34:40.066	117HG105A106A4A	7STRP	0.005,0.0,0,0,0,	Slew =,0.35	2R5	4	1	3,947,121:00:0	
3468	97	128	21:34:40.066	176HG6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,947,121:00:0	
3469	97	128	21:34:58.733	117HG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,947,121:28:0	
3470	97	128	21:35:13.400	176HG6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,947,121:50:0	
3471	97	128	21:35:15.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3854.86 +/-	2R5	4	1	3,947,121:53:0	
3472	97	128	21:35:15.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,121:53:0	
3473	97	128	21:35:16.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3854.98 +/-	2R5	4	1	3,947,121:55:1	
3474	97	128	21:35:22.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3856.21 +/-	2R5	4	1	3,947,121:63:0	
3475	97	128	21:35:23.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3856.27 +/-	2R5	4	1	3,947,121:64:8	
3476	97	128	21:35:24.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3856.15 +/-	2R5	4	1	3,947,121:66:9	
3477	97	128	21:35:25.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3855.98 +/-	2R5	4	1	3,947,121:68:0	
3478	97	128	21:35:35.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,121:83:0	
3479	97	128	21:35:35.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3853.64 +/-	2R5	4	1	3,947,121:83:0	
3480	97	128	21:35:36.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3853.58 +/-	2R5	4	1	3,947,121:84:8	
3481	**97**	**128**	**22:02:02.066**	**G8JNFEA53M01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3482	97	128	22:03:54.733	125EY	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	3,947,149:84:0	
3483	**97**	**128**	**22:03:54.733**	**125EY4A**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R5**	**4**	**1**	**3,947,149:84:0**	
3484	97	128	22:03:54.733	125EY11A	NIMSINIT	GE	##### GROUP END INIT	4R5	4	1	3,947,149:84:0	
3485	97	128	22:04:55.400	127EY	NIMSTAB	GS	%%%%% GROUP START TAB	4R5	4	1	3,947,150:84:0	
3486	**97**	**128**	**22:04:55.400**	**127EY4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,947,150:84:0**	
3487	**97**	**128**	**22:04:56.066**	**127EY4B**	**37ETB**		**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,947,150:85:0**	
3488	97	128	22:05:03.400	165EZ4A	7SCAN	NORM,22.192,6.01	Check S/P Position	4R3	4	0	3,947,151:05:0	
3489	97	128	22:05:04.066	127EY11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,947,151:06:0	
3490	97	128	22:05:55.400	117EZ	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,947,151:83:0	
3491	97	128	22:05:55.400	175EZ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,151:83:0	
3492	97	128	22:05:55.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3853.58 +/-	4R3	4	0	3,947,151:83:0	
3493	97	128	22:05:56.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3853.70 +/-	4R3	4	0	3,947,151:85:1	
3494	97	128	22:06:02.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3854.93 +/-	4R3	4	0	3,947,152:02:0	
3495	97	128	22:06:03.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3854.99 +/-	4R3	4	0	3,947,152:03:8	
3496	97	128	22:06:04.066	175EZ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,947,152:05:0	
3497	97	128	22:06:04.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3854.87 +/-	4R3	4	0	3,947,152:05:9	
3498	97	128	22:06:04.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3854.87 +/-	4R3	4	0	3,947,152:05:9	
3499	97	128	22:06:04.733	117EZ105A106A4A	7STRP	0.00715,0.0,0,0,	Slew =,0.02	4R3	4	0	3,947,152:06:0	
3500	**97**	**128**	**22:06:04.733**	**G8JNFEA53M01-**	**NIMPBK**	**301FA**	**JUPITER CAMPAIGN FEATURE 5 AND 3**	**4R3**	**4**	**0**	**: :**	
3501	97	128	22:12:04.733	117EZ105A106A4B	7STRP	-0.014001,0.0,0,	Slew =0,2.5	4R3	4	0	3,947,158:00:0	
3502	**97**	**128**	**22:12:06.733**	**G8JNFEA53M01-**	**DESELC**	**300FA**	**JUPITER CAMPAIGN FEATURE 5 AND 3**	**4R3**	**4**	**0**	**: :**	
3503	97	128	22:12:16.733	175EZ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,947,158:18:0	
3504	97	128	22:12:16.733	175EZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,158:18:0	
3505	97	128	22:12:16.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3767.67 +/-	4R3	4	0	3,947,158:18:0	
3506	97	128	22:12:17.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3767.61 +/-	4R3	4	0	3,947,158:19:8	
3507	97	128	22:14:04.733	117EZ105A106A4C	7STRP	0.00715,0.0,0,0,	Slew =,0.02	4R3	4	0	3,947,159:89:0	
3508	97	128	22:20:04.733	117EZ11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,947,165:83:0	
3509	**97**	**128**	**22:23:16.066**	**G8JNFEA53M01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3510	**97**	**128**	**22:24:16.733**	**G8JNTHRMNS02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3511	97	128	22:28:14.733	165FA4A	7SCAN	NORM,18.81,13.96	Check S/P Position	4R3	4	0	3,947,173:90:0	
3512	97	128	22:29:04.066	175FA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,174:73:0	
3513	97	128	22:29:04.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3767.61 +/-	4R3	4	0	3,947,174:73:0	
3514	97	128	22:29:05.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3767.73 +/-	4R3	4	0	3,947,174:75:1	
3515	97	128	22:29:06.733	117FA	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,947,174:77:0	
3516	97	128	22:29:10.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3768.96 +/-	4R3	4	0	3,947,174:83:0	
3517	97	128	22:29:11.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3769.02 +/-	4R3	4	0	3,947,174:84:8	
3518	97	128	22:29:12.733	175FA176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,947,174:86:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3519	97	128	22:29:13.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3768.90 +/-	4R3	4	0	3,947,174:86:9	
3520	97	128	22:29:13.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3768.90 +/-	4R3	4	0	3,947,174:86:9	
3521	**97**	**128**	**22:29:16.066**	**G8JNTHRMNS02-**	**NIMPBK**	**301FB**	**JUPITER THERMAL NORTH SOUTH STRI**	**4R3**	**4**	**0**	**: :**	
3522	97	128	22:29:16.066	117FA105A106A4A	7STRP	0.0033,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,175:00:0	
3523	97	128	22:31:08.733	117FA105A106A4B	7STRP	-0.006,0.008,0,0	Slew =0,2.5	4R3	4	0	3,947,176:78:0	
3524	97	128	22:31:17.400	117FA105A106A4C	7STRP	0.0033,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,177:00:0	
3525	97	128	22:33:10.066	117FA105A106A4D	7STRP	-0.006,0.008,0,0	Slew =0,2.5	4R3	4	0	3,947,178:78:0	
3526	97	128	22:33:18.733	117FA105A106A4E	7STRP	0.0033,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,179:00:0	
3527	**97**	**128**	**22:33:46.733**	**G8JNTHRMNS02-**	**DESELC**	**300FB**	**JUPITER THERMAL NORTH SOUTH STRI**	**4R3**	**4**	**0**	**: :**	
3528	**97**	**128**	**22:33:47.400**	**G8JNTHRMNS02-**	**NIMPBK**	**301FY**	**JUPITER THERMAL NORTH SOUTH STRI**	**4R3**	**4**	**0**	**: :**	
3529	97	128	22:35:11.400	117FA105A106A4F	7STRP	-0.006,0.008,0,0	Slew =0,2.5	4R3	4	0	3,947,180:78:0	
3530	97	128	22:35:20.066	117FA105A106A4G	7STRP	0.0033,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,181:00:0	
3531	97	128	22:37:12.733	117FA11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,947,182:78:0	
3532	**97**	**128**	**22:38:16.066**	**G8JNTHRMNS02-**	**DESELC**	**300FY**	**JUPITER THERMAL NORTH SOUTH STRI**	**4R3**	**4**	**0**	**: :**	
3533	97	128	22:38:26.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3639.36 +/-	4R3	4	0	3,947,184:06:0	
3534	97	128	22:38:26.066	175FA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,947,184:06:0	
3535	97	128	22:38:26.066	175FA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,184:06:0	
3536	**97**	**128**	**22:38:26.066**	**G8JNTHRMNS02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3537	97	128	22:38:27.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3639.30 +/-	4R3	4	0	3,947,184:07:8	
3538	**97**	**128**	**23:04:43.400**	**G8JNRTHOTS01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3539	97	128	23:04:52.733	165FV4A	7SCAN	NORM,27.336,13.4	Check S/P Position	4R3	4	0	3,947,210:20:0	
3540	**97**	**128**	**23:05:35.400**	**125KG4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,947,210:84:0**	
3541	97	128	23:05:35.400	125KG11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,947,210:84:0	
3542	97	128	23:05:35.400	125KG	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,947,210:84:0	
3543	97	128	23:06:36.066	127KG	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,947,211:84:0	
3544	**97**	**128**	**23:06:36.733**	**127KG4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,947,211:85:0**	
3545	97	128	23:06:44.733	127KG11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,947,212:06:0	
3546	97	128	23:07:00.733	432DK6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	3,947,212:30:0	
3547	97	128	23:07:32.066	117FV	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,947,212:77:0	
3548	97	128	23:07:40.066	165FV4B	7VECT		Inert vect update UTC	4R3	4	0	3,947,212:89:0	
3549	97	128	23:07:41.400	117FV105A106A4A	7STRP	0.00175,0.0,0,0,	Slew =,0.03	4R3	4	0	3,947,213:00:0	
3550	**97**	**128**	**23:08:00.066**	**432DL6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,947,213:28:0**	
3551	97	128	23:08:42.066	117FV11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,947,214:00:0	
3552	97	128	23:09:38.066	125KH	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,947,214:84:0	
3553	97	128	23:09:38.066	125KH11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,947,214:84:0	
3554	**97**	**128**	**23:09:38.066**	**125KH4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,947,214:84:0**	
3555	**97**	**128**	**23:09:46.733**	**G8JNRTHOTS01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3556	97	128	23:10:42.733	165FB4A	7SCAN	NORM,25.336,7.61	Check S/P Position	4R3	4	0	3,947,215:90:0	
3557	**97**	**128**	**23:12:48.733**	**G8JNFEA5UM01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3558	97	128	23:13:40.733	127FB	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,947,218:84:0	
3559	**97**	**128**	**23:13:41.400**	**127FB4A**	**37ETB**		**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,947,218:85:0**	
3560	97	128	23:13:49.400	127FB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,947,219:06:0	
3561	97	128	23:14:34.066	175FB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,219:73:0	
3562	97	128	23:14:34.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3639.30 +/-	4R3	4	0	3,947,219:73:0	
3563	97	128	23:14:35.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3639.42 +/-	4R3	4	0	3,947,219:75:1	
3564	97	128	23:14:36.733	117FB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,947,219:77:0	
3565	97	128	23:14:40.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3640.65 +/-	4R3	4	0	3,947,219:83:0	
3566	97	128	23:14:41.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3640.71 +/-	4R3	4	0	3,947,219:84:8	
3567	97	128	23:14:42.733	175FB176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,947,219:86:0	
3568	97	128	23:14:43.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3640.59 +/-	4R3	4	0	3,947,219:86:9	
3569	97	128	23:14:43.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3640.59 +/-	4R3	4	0	3,947,219:86:9	
3570	**97**	**128**	**23:14:46.066**	**G8JNFEA5UM01-**	**NIMPBK**	**301FC**	**JUPITER FEATURE TRACK 5 MICRON M**	**4R3**	**4**	**0**	**: :**	
3571	97	128	23:14:46.066	117FB105A106A4A	7STRP	0.00715,0.0,0,0,	Slew =,0.02	4R3	4	0	3,947,220:00:0	
3572	**97**	**128**	**23:20:45.400**	**G8JNFEA5UM01-**	**DESELC**	**300FC**	**JUPITER FEATURE TRACK 5 MICRON M**	**4R3**	**4**	**0**	**: :**	
3573	97	128	23:20:46.066	117FB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,947,225:85:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3574	97	128	23:20:57.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3552.92 +/-	4R3	4	0	3,947,226:11:0	
3575	97	128	23:20:57.400	175FB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,226:11:0	
3576	97	128	23:20:57.400	175FB6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,947,226:11:0	
3577	97	128	23:20:58.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3552.86 +/-	4R3	4	0	3,947,226:12:8	
3578	**97**	**128**	**23:22:55.400**	**G8JNFEA5UM01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3579	97	128	23:23:51.400	165FC4A	7SCAN	NORM,22.537,15.6	Check S/P Position	4R3	4	0	3,947,228:90:0	
3580	**97**	**128**	**23:23:56.066**	**G8JNTHRMNS03-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3581	97	128	23:25:41.400	175FC422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,230:73:0	
3582	97	128	23:25:41.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3552.86 +/-	4R3	4	0	3,947,230:73:0	
3583	97	128	23:25:42.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3552.98 +/-	4R3	4	0	3,947,230:75:1	
3584	97	128	23:25:44.066	117FC	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,947,230:77:0	
3585	97	128	23:25:48.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3554.21 +/-	4R3	4	0	3,947,230:83:0	
3586	97	128	23:25:49.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3554.27 +/-	4R3	4	0	3,947,230:84:8	
3587	97	128	23:25:50.066	175FC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,947,230:86:0	
3588	97	128	23:25:50.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3554.15 +/-	4R3	4	0	3,947,230:86:9	
3589	97	128	23:25:50.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3554.15 +/-	4R3	4	0	3,947,230:86:9	
3590	**97**	**128**	**23:25:53.400**	**G8JNTHRMNS03-**	**NIMPBK**	**301FD**	**JUPITER THERMAL NORTH SOUTH STRI**	**4R3**	**4**	**0**	**: :**	
3591	97	128	23:25:53.400	117FC105A106A4A	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,231:00:0	
3592	97	128	23:28:38.066	117FC105A106A4B	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,233:65:0	
3593	97	128	23:28:46.733	117FC105A106A4C	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,233:78:0	
3594	97	128	23:31:31.400	117FC105A106A4D	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,236:52:0	
3595	97	128	23:31:40.066	117FC105A106A4E	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,236:65:0	
3596	97	128	23:34:24.733	117FC105A106A4F	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,239:39:0	
3597	97	128	23:34:33.400	117FC105A106A4G	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,239:52:0	
3598	97	128	23:37:18.066	117FC105A106A4H	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,242:26:0	
3599	97	128	23:37:26.733	117FC105A106A4I	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,242:39:0	
3600	**97**	**128**	**23:40:09.400**	**G8JNTHRMNS03-**	**NIMPBK**	**301EE**	**JUPITER THERMAL NORTH SOUTH STRI**	**4R3**	**4**	**0**	**: :**	
3601	97	128	23:40:11.400	117FC105A106A4J	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,245:13:0	
3602	**97**	**128**	**23:40:18.066**	**G8JNTHRMNS03-**	**DESELC**	**300FD**	**JUPITER THERMAL NORTH SOUTH STRI**	**4R3**	**4**	**0**	**: :**	
3603	97	128	23:40:20.066	117FC105A106A4K	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,245:26:0	
3604	97	128	23:43:04.733	117FC105A106A4L	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,248:00:0	
3605	97	128	23:43:13.400	117FC105A106A4M	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,248:13:0	
3606	97	128	23:45:00.066	488BH6E	6TMSED	NORM,EL7	Sci, Eng, and D/L Chan	4R3	4	0	3,947,249:82:0	
3607	97	128	23:45:58.066	117FC105A106A4N	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,250:78:0	
3608	97	128	23:46:06.733	117FC105A106A4O	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,251:00:0	
3609	97	128	23:48:51.400	117FC105A106A4P	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,253:65:0	
3610	97	128	23:49:00.066	117FC105A106A4Q	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,253:78:0	
3611	97	128	23:51:44.733	117FC105A106A4R	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,256:52:0	
3612	97	128	23:51:53.400	117FC105A106A4S	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,256:65:0	
3613	**97**	**128**	**23:54:34.066**	**G8JNTHRMNS03-**	**NIMPBK**	**301FZ**	**JUPITER THERMAL NORTH SOUTH STRI**	**4R3**	**4**	**0**	**: :**	
3614	97	128	23:54:38.066	117FC105A106A4T	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,259:39:0	
3615	**97**	**128**	**23:54:42.733**	**G8JNTHRMNS03-**	**DESELC**	**300EE**	**JUPITER THERMAL NORTH SOUTH STRI**	**4R3**	**4**	**0**	**: :**	
3616	97	128	23:54:46.733	117FC105A106A4U	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,259:52:0	
3617	97	128	23:57:30.066	488BI6A	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4R3	4	0	3,947,262:24:0	
3618	97	128	23:57:31.400	117FC105A106A4V	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,262:26:0	
3619	97	128	23:57:40.066	117FC105A106A4W	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,262:39:0	
3620	97	129	00:00:04.066	20MM6A	6CKSUM	MAG,4040,46F0		4R3	4	0	3,947,264:73:0	
3621	97	129	00:00:24.733	117FC105A106A4X	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,265:13:0	
3622	97	129	00:00:33.400	117FC105A106A4Y	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,265:26:0	
3623	97	129	00:01:00.066	480MD6	6MROH	12	read from LLM1A12,2282,0,A2	4R3	4	0	3,947,265:66:0	
3624	97	129	00:01:00.066	480MD6A	6MROH	12,2282,0,A2	read from LLM1A12,2282,0,A2	4R3	4	0	3,947,265:66:0	
3625	97	129	00:03:18.066	117FC105A106A4Z	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,268:00:0	
3626	97	129	00:03:26.733	117FC105A106A4AA	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,268:13:0	
3627	97	129	00:06:11.400	117FC105A106A4AB	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,270:78:0	
3628	97	129	00:06:20.066	117FC105A106A4AC	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,271:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3629	**97**	**129**	**00:08:58.733**	**G8JNTHRMNS03-**	**NIMPBK**	**301DV**	**JUPITER THERMAL NORTH SOUTH STRI**	**4R3**	**4**	**0**	**: :**	
3630	97	129	00:09:04.733	117FC105A106A4AD	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,273:65:0	
3631	**97**	**129**	**00:09:07.400**	**G8JNTHRMNS03-**	**DESELC**	**300FZ**	**JUPITER THERMAL NORTH SOUTH STRI**	**4R3**	**4**	**0**	**: :**	
3632	97	129	00:09:13.400	117FC105A106A4AE	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,273:78:0	
3633	97	129	00:11:58.066	117FC105A106A4AF	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,276:52:0	
3634	97	129	00:12:06.733	117FC105A106A4AG	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,276:65:0	
3635	97	129	00:14:51.400	117FC105A106A4AH	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,279:39:0	
3636	97	129	00:15:00.066	117FC105A106A4AI	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,279:52:0	
3637	97	129	00:17:44.733	117FC105A106A4AJ	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,282:26:0	
3638	97	129	00:17:53.400	117FC105A106A4AK	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,282:39:0	
3639	97	129	00:20:38.066	117FC105A106A4AL	7STRP	-0.0086,0.008,0,	Slew =0,2.5	4R3	4	0	3,947,285:13:0	
3640	97	129	00:20:46.733	117FC105A106A4AM	7STRP	0.0049,0.0,0,0,0	Slew =,0.03	4R3	4	0	3,947,285:26:0	
3641	97	129	00:23:31.400	117FC11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,947,288:00:0	
3642	**97**	**129**	**00:23:31.400**	**G8JNTHRMNS03-**	**DESELC**	**300DV**	**JUPITER THERMAL NORTH SOUTH STRI**	**4R3**	**4**	**0**	**: :**	
3643	**97**	**129**	**00:23:35.400**	**G8JNTHRMNS03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3644	97	129	00:23:42.733	175FC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,947,288:17:0	
3645	97	129	00:23:42.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2740.39 +/-	4R3	4	0	3,947,288:17:0	
3646	97	129	00:23:42.733	175FC422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,288:17:0	
3647	97	129	00:23:43.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2740.33 +/-	4R3	4	0	3,947,288:18:8	
3648	**97**	**129**	**00:24:36.066**	**G8JNWINDOW01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3649	97	129	00:35:54.066	488BI6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	3,947,300:22:0	
3650	97	129	01:20:08.066	165HH4A	7SCAN	NORM,44.414,18.9	Check S/P Position	4R3	4	0	3,947,343:90:0	
3651	97	129	01:24:02.066	117HH	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,947,347:77:0	
3652	97	129	01:24:11.400	176HH6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,947,348:00:0	
3653	97	129	01:24:11.400	117HH105A106A4A	7STRP	0.004,0.0,0,0,0,	Slew =,0.29	4R3	4	0	3,947,348:00:0	
3654	97	129	01:24:30.066	117HH11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,947,348:28:0	
3655	97	129	01:24:44.733	176HH6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,947,348:50:0	
3656	97	129	01:24:46.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,348:53:0	
3657	97	129	01:24:46.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2740.33 +/-	4R3	4	0	3,947,348:53:0	
3658	97	129	01:24:48.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2740.45 +/-	4R3	4	0	3,947,348:55:1	
3659	97	129	01:24:53.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2741.68 +/-	4R3	4	0	3,947,348:63:0	
3660	97	129	01:24:54.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2741.74 +/-	4R3	4	0	3,947,348:64:8	
3661	97	129	01:24:56.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2741.62 +/-	4R3	4	0	3,947,348:66:9	
3662	97	129	01:24:56.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2741.45 +/-	4R3	4	0	3,947,348:68:0	
3663	97	129	01:25:06.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2739.11 +/-	4R3	4	0	3,947,348:83:0	
3664	97	129	01:25:06.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,348:83:0	
3665	97	129	01:25:07.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2739.05 +/-	4R3	4	0	3,947,348:84:8	
3666	97	129	01:31:15.400	165FE4A	7SCAN	NORM,30.925,15.0	Check S/P Position	4R3	4	0	3,947,354:90:0	
3667	**97**	**129**	**01:31:17.333**	**G8JNUM3MAP01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3668	97	129	01:31:22.066	488BI6C	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	4R3	4	0	3,947,355:09:0	
3669	97	129	01:32:12.066	127FE	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,947,355:84:0	
3670	**97**	**129**	**01:32:12.733**	**127FE4A**	**37ETB**	**,CD,08,03,FF,0E,**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,947,355:85:0**	
3671	97	129	01:32:20.733	127FE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,947,356:06:0	
3672	97	129	01:33:05.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2739.05 +/-	4R3	4	0	3,947,356:73:0	
3673	97	129	01:33:05.400	175FE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,356:73:0	
3674	97	129	01:33:06.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2739.17 +/-	4R3	4	0	3,947,356:75:1	
3675	97	129	01:33:08.066	117FE	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,947,356:77:0	
3676	97	129	01:33:12.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2740.40 +/-	4R3	4	0	3,947,356:83:0	
3677	97	129	01:33:13.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2740.46 +/-	4R3	4	0	3,947,356:84:8	
3678	97	129	01:33:14.066	175FE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,947,356:86:0	
3679	97	129	01:33:14.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2740.34 +/-	4R3	4	0	3,947,356:86:9	
3680	97	129	01:33:14.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2740.34 +/-	4R3	4	0	3,947,356:86:9	
3681	**97**	**129**	**01:33:14.733**	**G8JNUM3MAP01-**	**NIMPBK**	**301FF**	**THREE MICRON HOTSPOT SPECTRAL MA**	**4R3**	**4**	**0**	**: :**	
3682	97	129	01:33:17.400	117FE105A106A4A	7STRP	0.023004,0.0,0,0	Slew =,0.02	4R3	4	0	3,947,357:00:0	
3683	**97**	**129**	**01:52:26.733**	**G8JNUM3MAP01-**	**DESELC**	**300FF**	**THREE MICRON HOTSPOT SPECTRAL MA**	**4R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3684	97	129	01:52:30.066	117FE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,947,376:00:0	
3685	**97**	**129**	**01:52:31.333**	**G8JNUM3MAP01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3686	97	129	01:52:41.400	175FE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,376:17:0	
3687	97	129	01:52:41.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2466.89 +/-	4R3	4	0	3,947,376:17:0	
3688	97	129	01:52:41.400	175FE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,947,376:17:0	
3689	97	129	01:52:42.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2466.83 +/-	4R3	4	0	3,947,376:18:8	
3690	**97**	**129**	**01:53:31.999**	**G8JNRTHOTS02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3691	97	129	01:53:44.066	165FU4A	7SCAN	NORM,36.563,16.8	Check S/P Position	4R3	4	0	3,947,377:20:0	
3692	**97**	**129**	**01:54:26.733**	**125KI4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,947,377:84:0**	
3693	97	129	01:54:26.733	125KI11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,947,377:84:0	
3694	97	129	01:54:26.733	125KI	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,947,377:84:0	
3695	97	129	01:55:27.400	127KI	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,947,378:84:0	
3696	**97**	**129**	**01:55:28.066**	**127KI4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,947,378:85:0**	
3697	97	129	01:55:36.066	127KI11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,947,379:06:0	
3698	97	129	01:55:52.066	432EL6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	3,947,379:30:0	
3699	97	129	01:56:23.400	117FU	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,947,379:77:0	
3700	97	129	01:56:31.400	165FU4B	7VECT		Inert vect update UTC	4R3	4	0	3,947,379:89:0	
3701	97	129	01:56:32.733	117FU105A106A4A	7STRP	0.00175,0.0,0,0,	Slew =,0.03	4R3	4	0	3,947,380:00:0	
3702	**97**	**129**	**01:56:51.400**	**432DM6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,947,380:28:0**	
3703	97	129	01:57:33.400	117FU11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,947,381:00:0	
3704	**97**	**129**	**01:58:35.333**	**G8JNRTHOTS02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3705	97	129	02:03:22.066	488BI6D	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4R3	4	0	3,947,386:68:0	
3706	97	129	02:32:56.066	165HI4A	7SCAN	NORM,45.957,19.3	Check S/P Position	4R3	4	0	3,947,415:90:0	
3707	**97**	**129**	**02:32:57.999**	**G8JNRTHOTS03-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3708	97	129	02:36:50.066	117HI	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,947,419:77:0	
3709	97	129	02:36:59.400	117HI105A106A4A	7STRP	0.004,0.0,0,0,0,	Slew =,0.29	4R3	4	0	3,947,420:00:0	
3710	97	129	02:36:59.400	176HI6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,947,420:00:0	
3711	97	129	02:37:18.066	117HI11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,947,420:28:0	
3712	97	129	02:37:32.733	176HI6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,947,420:50:0	
3713	97	129	02:37:34.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,420:53:0	
3714	97	129	02:37:34.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2466.83 +/-	4R3	4	0	3,947,420:53:0	
3715	97	129	02:37:36.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2466.95 +/-	4R3	4	0	3,947,420:55:1	
3716	97	129	02:37:41.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2468.18 +/-	4R3	4	0	3,947,420:63:0	
3717	97	129	02:37:42.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2468.24 +/-	4R3	4	0	3,947,420:64:8	
3718	97	129	02:37:44.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2468.12 +/-	4R3	4	0	3,947,420:66:9	
3719	97	129	02:37:44.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2467.95 +/-	4R3	4	0	3,947,420:68:0	
3720	97	129	02:37:54.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2465.61 +/-	4R3	4	0	3,947,420:83:0	
3721	97	129	02:37:54.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,420:83:0	
3722	97	129	02:37:55.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2465.55 +/- 1	4R3	4	0	3,947,420:84:8	
3723	97	129	02:37:59.400	165FY4A	7SCAN	NORM,39.279,17.7	Check S/P Position	4R3	4	0	3,947,420:90:0	
3724	97	129	02:38:20.066	432DN6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	4R3	4	0	3,947,421:30:0	
3725	97	129	02:38:51.400	117FY	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,947,421:77:0	
3726	97	129	02:38:59.400	165FY4B	7VECT		Inert vect update UTC	4R3	4	0	3,947,421:89:0	
3727	97	129	02:39:00.733	117FY105A106A4A	7STRP	0.00175,0.0,0,0,	Slew =,0.03	4R3	4	0	3,947,422:00:0	
3728	**97**	**129**	**02:39:19.400**	**432DO6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,947,422:28:0**	
3729	97	129	02:40:01.400	117FY11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,947,423:00:0	
3730	97	129	02:40:57.400	125KL11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	3,947,423:84:0	
3731	**97**	**129**	**02:40:57.400**	**125KL4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**3,947,423:84:0**	
3732	97	129	02:40:57.400	125KL	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	3,947,423:84:0	
3733	97	129	02:42:02.066	165HJ4A	7SCAN	NORM,38.996,13.0	Check S/P Position	4R3	4	0	3,947,424:90:0	
3734	97	129	02:43:54.733	117HJ	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,947,426:77:0	
3735	97	129	02:44:04.066	176HJ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,947,427:00:0	
3736	97	129	02:44:04.066	117HJ105A106A4A	7STRP	-0.019002,-0.071	Slew =0,0.1	4R3	4	0	3,947,427:00:0	
3737	**97**	**129**	**02:44:05.333**	**G8JNRTHOTS03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3738	97	129	02:56:04.733	117HJ105A106B4A	7STRP	0.0,0.0005,0,0,0	Slew =,0.26	4R3	4	0	3,947,438:80:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3739	97	129	02:56:13.400	117HJ105A106B4B	7STRP	0.01,-0.067103,0	Slew =0,0.1	4R3	4	0	3,947,439	02:0
3740	97	129	03:01:16.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2465.55 +/- 1	4R3	4	0	3,947,444	02:0
3741	97	129	03:01:16.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,444	02:0
3742	97	129	03:01:18.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2465.67 +/- 1	4R3	4	0	3,947,444	04:1
3743	97	129	03:01:23.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2466.90 +/- 1	4R3	4	0	3,947,444	12:0
3744	97	129	03:01:24.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2466.96 +/- 1	4R3	4	0	3,947,444	13:8
3745	97	129	03:01:26.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2466.84 +/- 1	4R3	4	0	3,947,444	15:9
3746	97	129	03:01:52.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2460.73 +/- 1	4R3	4	0	3,947,444	55:0
3747	97	129	03:02:14.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2455.42 +/- 1	4R3	4	0	3,947,444	89:0
3748	97	129	03:02:14.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,444	89:0
3749	97	129	03:02:15.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2455.36 +/- 1	4R3	4	0	3,947,444	90:8
3750	97	129	03:07:38.733	176HJ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,947,450	29:0
3751	97	129	03:07:38.733	117HJ11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,947,450	29:0
3752	97	129	03:07:40.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2455.36 +/- 1	4R3	4	0	3,947,450	32:0
3753	97	129	03:07:40.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,450	32:0
3754	97	129	03:07:42.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2455.48 +/- 1	4R3	4	0	3,947,450	34:1
3755	97	129	03:07:47.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2456.71 +/- 1	4R3	4	0	3,947,450	42:0
3756	97	129	03:07:48.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2456.77 +/- 1	4R3	4	0	3,947,450	43:8
3757	97	129	03:07:50.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2456.65 +/- 1	4R3	4	0	3,947,450	45:9
3758	97	129	03:07:50.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2456.48 +/- 1	4R3	4	0	3,947,450	47:0
3759	97	129	03:08:04.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,450	67:0
3760	97	129	03:08:04.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2453.36 +/- 1	4R3	4	0	3,947,450	67:0
3761	97	129	03:08:05.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2453.30 +/- 1	4R3	4	0	3,947,450	68:8
3762	97	129	03:08:19.400	165HK4A	7SCAN	NORM,41.131,17.7	Check S/P Position	4R3	4	0	3,947,450	90:0
3763	97	129	03:12:13.400	117HK	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,947,454	77:0
3764	97	129	03:12:22.733	117HK105A106A4A	7STRP	0.040021,0.0,0,0	Slew =,0.27	4R3	4	0	3,947,455	00:0
3765	97	129	03:12:22.733	176HK6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,947,455	00:0
3766	97	129	03:14:55.400	117HK105A106A4B	7STRP	-0.040522,0.001,	Slew =12.01	4R3	4	0	3,947,457	47:0
3767	97	129	03:15:04.733	117HK105A106A4C	7STRP	0.040021,0.0,0,0	Slew =,0.27	4R3	4	0	3,947,457	61:0
3768	97	129	03:17:37.400	117HK105A106A4D	7STRP	-0.040522,0.001,	Slew =12.01	4R3	4	0	3,947,460	17:0
3769	97	129	03:17:46.733	117HK105A106A4E	7STRP	0.040021,0.0,0,0	Slew =,0.27	4R3	4	0	3,947,460	31:0
3770	97	129	03:20:19.400	117HK105A106A4F	7STRP	-0.040522,0.001,	Slew =12.01	4R3	4	0	3,947,462	78:0
3771	97	129	03:20:28.733	117HK105A106A4G	7STRP	0.040021,0.0,0,0	Slew =,0.27	4R3	4	0	3,947,463	01:0
3772	97	129	03:23:01.400	117HK105A106A4H	7STRP	-0.040522,0.001,	Slew =12.01	4R3	4	0	3,947,465	48:0
3773	97	129	03:23:10.733	117HK105A106A4I	7STRP	0.040021,0.0,0,0	Slew =,0.27	4R3	4	0	3,947,465	62:0
3774	97	129	03:25:43.400	117HK105A106A4J	7STRP	-0.040522,0.001,	Slew =12.01	4R3	4	0	3,947,468	18:0
3775	97	129	03:25:52.733	117HK105A106A4K	7STRP	0.040021,0.0,0,0	Slew =,0.27	4R3	4	0	3,947,468	32:0
3776	97	129	03:28:25.400	117HK105A106A4L	7STRP	-0.040522,0.001,	Slew =12.01	4R3	4	0	3,947,470	79:0
3777	97	129	03:28:34.733	117HK105A106A4M	7STRP	0.040021,0.0,0,0	Slew =,0.27	4R3	4	0	3,947,471	02:0
3778	97	129	03:29:35.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,472	02:0
3779	97	129	03:29:35.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2453.30 +/- 1	4R3	4	0	3,947,472	02:0
3780	97	129	03:29:36.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2453.42 +/- 1	4R3	4	0	3,947,472	04:1
3781	97	129	03:29:42.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2454.65 +/- 1	4R3	4	0	3,947,472	12:0
3782	97	129	03:29:43.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2454.71 +/- 1	4R3	4	0	3,947,472	13:8
3783	97	129	03:29:44.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2454.59 +/- 1	4R3	4	0	3,947,472	15:9
3784	97	129	03:30:10.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2448.48 +/- 1	4R3	4	0	3,947,472	55:0
3785	97	129	03:30:33.400	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,472	89:0
3786	97	129	03:30:33.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2443.17 +/- 1	4R3	4	0	3,947,472	89:0
3787	97	129	03:30:34.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2443.11 +/- 1	4R3	4	0	3,947,472	90:8
3788	97	129	03:31:07.400	117HK11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,947,473	49:0
3789	97	129	03:35:04.733	176HK6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,947,477	41:0
3790	97	129	03:35:06.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2443.11 +/- 1	4R3	4	0	3,947,477	44:0
3791	97	129	03:35:06.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,477	44:0
3792	97	129	03:35:08.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2443.23 +/- 1	4R3	4	0	3,947,477	46:1
3793	97	129	03:35:13.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2444.46 +/- 1	4R3	4	0	3,947,477	54:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3794	97	129	03:35:14.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2444.52 +/- 1	4R3	4	0	3,947,477	55:8
3795	97	129	03:35:16.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2444.40 +/- 1	4R3	4	0	3,947,477	57:9
3796	97	129	03:35:16.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2444.23 +/- 1	4R3	4	0	3,947,477	59:0
3797	97	129	03:35:29.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,477	78:0
3798	97	129	03:35:29.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2441.26 +/- 1	4R3	4	0	3,947,477	78:0
3799	97	129	03:35:30.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2441.20 +/- 1	4R3	4	0	3,947,477	79:8
3800	97	129	03:37:26.066	176HL6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,947,479	71:0
3801	97	129	03:39:23.400	165HL4A	7SCAN	NORM,42.293,17.1	Check S/P Position	4R3	4	0	3,947,481	65:0
3802	97	129	03:39:31.400	117HL	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,947,481	77:0
3803	97	129	03:39:40.733	117HL105A106A4A	7STRP	-0.020003,0.0,0,	Slew =,0.26	4R3	4	0	3,947,482	00:0
3804	97	129	03:41:03.400	117HL105A106A4B	7STRP	0.019502,0.001,0	Slew =12.01	4R3	4	0	3,947,483	33:0
3805	97	129	03:41:10.733	117HL105A106A4C	7STRP	-0.020003,0.0,0,	Slew =,0.26	4R3	4	0	3,947,483	44:0
3806	97	129	03:42:33.400	117HL105A106A4D	7STRP	0.019502,0.001,0	Slew =12.01	4R3	4	0	3,947,484	77:0
3807	97	129	03:42:40.733	117HL105A106A4E	7STRP	-0.020003,0.0,0,	Slew =,0.26	4R3	4	0	3,947,484	88:0
3808	97	129	03:44:03.400	117HL105A106A4F	7STRP	0.019502,0.001,0	Slew =12.01	4R3	4	0	3,947,486	30:0
3809	97	129	03:44:10.733	117HL105A106A4G	7STRP	-0.020003,0.0,0,	Slew =,0.26	4R3	4	0	3,947,486	41:0
3810	97	129	03:45:33.400	117HL105A106A4H	7STRP	0.019502,0.001,0	Slew =12.01	4R3	4	0	3,947,487	74:0
3811	97	129	03:45:40.733	117HL105A106A4I	7STRP	-0.020003,0.0,0,	Slew =,0.26	4R3	4	0	3,947,487	85:0
3812	97	129	03:47:03.400	117HL105A106A4J	7STRP	0.019502,0.001,0	Slew =12.01	4R3	4	0	3,947,489	27:0
3813	97	129	03:47:10.733	117HL105A106A4K	7STRP	-0.020003,0.0,0,	Slew =,0.26	4R3	4	0	3,947,489	38:0
3814	97	129	03:48:33.400	117HL105A106A4L	7STRP	0.019502,0.001,0	Slew =12.01	4R3	4	0	3,947,490	71:0
3815	97	129	03:48:40.733	117HL105A106A4M	7STRP	-0.020003,0.0,0,	Slew =,0.26	4R3	4	0	3,947,490	82:0
3816	97	129	03:50:03.400	117HL105A106A4N	7STRP	0.019502,0.001,0	Slew =12.01	4R3	4	0	3,947,492	24:0
3817	97	129	03:50:10.733	117HL105A106A4O	7STRP	-0.020003,0.0,0,	Slew =,0.26	4R3	4	0	3,947,492	35:0
3818	97	129	03:51:33.400	117HL105A106A4P	7STRP	0.019502,0.001,0	Slew =12.01	4R3	4	0	3,947,493	68:0
3819	97	129	03:51:40.733	117HL105A106A4Q	7STRP	-0.020003,0.0,0,	Slew =,0.26	4R3	4	0	3,947,493	79:0
3820	97	129	03:53:03.400	117HL105A106A4R	7STRP	0.019502,0.001,0	Slew =12.01	4R3	4	0	3,947,495	21:0
3821	97	129	03:53:10.733	117HL105A106A4S	7STRP	-0.020003,0.0,0,	Slew =,0.26	4R3	4	0	3,947,495	32:0
3822	97	129	03:54:33.400	117HL105A106A4T	7STRP	0.019502,0.001,0	Slew =12.01	4R3	4	0	3,947,496	65:0
3823	97	129	03:54:38.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,496	73:0
3824	97	129	03:54:38.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2441.20 +/- 1	4R3	4	0	3,947,496	73:0
3825	97	129	03:54:40.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2441.32 +/- 1	4R3	4	0	3,947,496	75:1
3826	97	129	03:54:40.733	117HL105A106A4U	7STRP	-0.020003,0.0,0,	Slew =,0.26	4R3	4	0	3,947,496	76:0
3827	97	129	03:54:45.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2442.56 +/- 1	4R3	4	0	3,947,496	83:0
3828	97	129	03:54:46.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2442.62 +/- 1	4R3	4	0	3,947,496	84:8
3829	97	129	03:54:48.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2442.50 +/- 1	4R3	4	0	3,947,496	86:9
3830	97	129	03:55:14.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2436.39 +/- 1	4R3	4	0	3,947,497	35:0
3831	97	129	03:55:36.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2431.08 +/- 1	4R3	4	0	3,947,497	69:0
3832	97	129	03:55:36.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,497	69:0
3833	97	129	03:55:37.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2431.02 +/- 1	4R3	4	0	3,947,497	70:8
3834	97	129	03:56:03.400	117HL105A106A4V	7STRP	0.019502,0.001,0	Slew =12.01	4R3	4	0	3,947,498	18:0
3835	97	129	03:56:10.733	117HL105A106A4W	7STRP	-0.020003,0.0,0,	Slew =,0.26	4R3	4	0	3,947,498	29:0
3836	97	129	03:57:33.400	117HL105A106A4X	7STRP	0.019502,0.001,0	Slew =12.01	4R3	4	0	3,947,499	62:0
3837	97	129	03:57:40.733	117HL105A106A4Y	7STRP	-0.020003,0.0,0,	Slew =,0.26	4R3	4	0	3,947,499	73:0
3838	97	129	03:59:03.400	117HL105A106A4Z	7STRP	0.019502,0.001,0	Slew =12.01	4R3	4	0	3,947,501	15:0
3839	97	129	03:59:10.733	117HL105A106A4AA	7STRP	-0.020003,0.0,0,	Slew =,0.26	4R3	4	0	3,947,501	26:0
3840	97	129	04:00:00.066	488BI6E	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	4R3	4	0	3,947,502	09:0
3841	97	129	04:00:33.400	117HL105A106A4AB	7STRP	0.019502,0.001,0	Slew =12.01	4R3	4	0	3,947,502	59:0
3842	97	129	04:00:40.733	117HL105A106A4AC	7STRP	-0.020003,0.0,0,	Slew =,0.26	4R3	4	0	3,947,502	70:0
3843	97	129	04:02:03.400	117HL11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,947,504	12:0
3844	97	129	04:12:30.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,514	42:0
3845	97	129	04:12:30.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2431.02 +/- 1	4R3	4	0	3,947,514	42:0
3846	97	129	04:12:31.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2431.14 +/- 1	4R3	4	0	3,947,514	44:1
3847	97	129	04:12:36.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2432.37 +/- 1	4R3	4	0	3,947,514	52:0
3848	97	129	04:12:37.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2432.43 +/- 1	4R3	4	0	3,947,514	53:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3849	97	129	04:12:39.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2432.31 +/- 1	4R3	4	0	3,947,514:55:9	
3850	97	129	04:13:04.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2426.36 +/- 1	4R3	4	0	3,947,515:03:0	
3851	97	129	04:13:27.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,515:37:0	
3852	97	129	04:13:27.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2421.04 +/- 1	4R3	4	0	3,947,515:37:0	
3853	97	129	04:13:28.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2420.98 +/- 1	4R3	4	0	3,947,515:38:8	
3854	97	129	04:30:21.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2420.98 +/- 1	4R3	4	0	3,947,532:11:0	
3855	97	129	04:30:21.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,532:11:0	
3856	97	129	04:30:22.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2421.10 +/- 1	4R3	4	0	3,947,532:13:1	
3857	97	129	04:30:28.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2422.34 +/- 1	4R3	4	0	3,947,532:21:0	
3858	97	129	04:30:29.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2422.40 +/- 1	4R3	4	0	3,947,532:22:8	
3859	97	129	04:30:30.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2422.28 +/- 1	4R3	4	0	3,947,532:24:9	
3860	97	129	04:30:56.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2416.33 +/- 1	4R3	4	0	3,947,532:63:0	
3861	97	129	04:31:18.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2411.01 +/- 1	4R3	4	0	3,947,533:06:0	
3862	97	129	04:31:18.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,533:06:0	
3863	97	129	04:31:19.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2410.95 +/- 1	4R3	4	0	3,947,533:07:8	
3864	97	129	04:33:15.400	165BG4A	7SCAN	NORM,44.389,15.1	Check S/P Position	4R3	4	0	3,947,534:90:0	
3865	97	129	04:35:44.733	176HL6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,947,537:41:0	
3866	97	129	04:35:46.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2410.95 +/- 1	4R3	4	0	3,947,537:44:0	
3867	97	129	04:35:46.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,537:44:0	
3868	97	129	04:35:48.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2411.07 +/- 1	4R3	4	0	3,947,537:46:1	
3869	97	129	04:35:53.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2412.31 +/- 1	4R3	4	0	3,947,537:54:0	
3870	97	129	04:35:54.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2412.37 +/- 1	4R3	4	0	3,947,537:55:8	
3871	97	129	04:35:56.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2412.25 +/- 1	4R3	4	0	3,947,537:57:9	
3872	97	129	04:35:56.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2412.08 +/- 1	4R3	4	0	3,947,537:59:0	
3873	97	129	04:36:09.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,537:78:0	
3874	97	129	04:36:09.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2409.11 +/- 1	4R3	4	0	3,947,537:78:0	
3875	97	129	04:36:10.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2409.05 +/- 1	4R3	4	0	3,947,537:79:8	
3876	97	129	05:08:26.066	176HM6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,947,569:71:0	
3877	97	129	05:10:13.400	165HM4A	7SCAN	NORM,42.525,18.5	Check S/P Position	4R3	4	0	3,947,571:50:0	
3878	97	129	05:10:31.400	117HM	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,947,571:77:0	
3879	97	129	05:10:40.733	117HM105A106A4A	7STRP	-0.050042,0.0,0,	Slew =,0.26	4R3	4	0	3,947,572:00:0	
3880	97	129	05:14:43.400	117HM105A106A4B	7STRP	0.050042,-0.001,	Slew =12.01	4R3	4	0	3,947,576:00:0	
3881	97	129	05:14:52.066	117HM105A106A4C	7STRP	-0.050042,0.0,0,	Slew =,0.26	4R3	4	0	3,947,576:13:0	
3882	97	129	05:18:54.733	117HM105A106A4D	7STRP	0.050042,-0.001,	Slew =12.01	4R3	4	0	3,947,580:13:0	
3883	97	129	05:19:03.400	117HM105A106A4E	7STRP	-0.050042,0.0,0,	Slew =,0.26	4R3	4	0	3,947,580:26:0	
3884	97	129	05:23:06.066	117HM105A106A4F	7STRP	0.050042,-0.001,	Slew =12.01	4R3	4	0	3,947,584:26:0	
3885	97	129	05:23:14.733	117HM105A106A4G	7STRP	-0.050042,0.0,0,	Slew =,0.26	4R3	4	0	3,947,584:39:0	
3886	97	129	05:25:38.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,586:73:0	
3887	97	129	05:25:38.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2409.05 +/- 1	4R3	4	0	3,947,586:73:0	
3888	97	129	05:25:40.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2409.17 +/- 1	4R3	4	0	3,947,586:75:1	
3889	97	129	05:25:45.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2410.40 +/- 1	4R3	4	0	3,947,586:83:0	
3890	97	129	05:25:46.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2410.46 +/- 1	4R3	4	0	3,947,586:84:8	
3891	97	129	05:25:48.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2410.34 +/- 1	4R3	4	0	3,947,586:86:9	
3892	97	129	05:26:14.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2404.23 +/- 1	4R3	4	0	3,947,587:35:0	
3893	97	129	05:26:36.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2398.92 +/- 1	4R3	4	0	3,947,587:69:0	
3894	97	129	05:26:36.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,587:69:0	
3895	97	129	05:26:37.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2398.86 +/- 1	4R3	4	0	3,947,587:70:8	
3896	97	129	05:27:17.400	117HM105A106A4H	7STRP	0.050042,-0.001,	Slew =12.01	4R3	4	0	3,947,588:39:0	
3897	97	129	05:27:26.066	117HM105A106A4I	7STRP	-0.050042,0.0,0,	Slew =,0.26	4R3	4	0	3,947,588:52:0	
3898	97	129	05:31:28.733	117HM105A106A4J	7STRP	0.050042,-0.001,	Slew =12.01	4R3	4	0	3,947,592:52:0	
3899	97	129	05:31:37.400	117HM105A106A4K	7STRP	-0.050042,0.0,0,	Slew =,0.26	4R3	4	0	3,947,592:65:0	
3900	97	129	05:35:40.066	117HM105A106A4L	7STRP	0.050042,-0.001,	Slew =12.01	4R3	4	0	3,947,596:65:0	
3901	97	129	05:35:48.733	117HM105A106A4M	7STRP	-0.050042,0.0,0,	Slew =,0.26	4R3	4	0	3,947,596:78:0	
3902	97	129	05:39:51.400	117HM105A106A4N	7STRP	0.050042,-0.001,	Slew =12.01	4R3	4	0	3,947,600:78:0	
3903	97	129	05:40:00.066	117HM105A106A4O	7STRP	-0.050042,0.0,0,	Slew =,0.26	4R3	4	0	3,947,601:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3904	97	129	05:43:30.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2398.86 +/- 1	4R3	4	0	3,947,604:42:0	
3905	97	129	05:43:30.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,604:42:0	
3906	97	129	05:43:31.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2398.98 +/- 1	4R3	4	0	3,947,604:44:1	
3907	97	129	05:43:36.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2400.21 +/- 1	4R3	4	0	3,947,604:52:0	
3908	97	129	05:43:37.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2400.27 +/- 1	4R3	4	0	3,947,604:53:8	
3909	97	129	05:43:39.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2400.15 +/- 1	4R3	4	0	3,947,604:55:9	
3910	97	129	05:44:02.733	117HM105A106A4P	7STRP	0.050042,-0.001,	Slew =12.01	4R3	4	0	3,947,605:00:0	
3911	97	129	05:44:04.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2394.20 +/- 1	4R3	4	0	3,947,605:03:0	
3912	97	129	05:44:11.400	117HM105A106A4Q	7STRP	-0.050042,0.0,0,	Slew =,0.26	4R3	4	0	3,947,605:13:0	
3913	97	129	05:44:27.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2388.89 +/- 1	4R3	4	0	3,947,605:37:0	
3914	97	129	05:44:27.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,605:37:0	
3915	97	129	05:44:28.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2388.83 +/- 1	4R3	4	0	3,947,605:38:8	
3916	97	129	05:48:14.066	117HM11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,947,609:13:0	
3917	97	129	06:01:21.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2388.83 +/- 1	4R3	4	0	3,947,622:11:0	
3918	97	129	06:01:21.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,622:11:0	
3919	97	129	06:01:22.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2388.95 +/- 1	4R3	4	0	3,947,622:13:1	
3920	97	129	06:01:28.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2390.18 +/- 1	4R3	4	0	3,947,622:21:0	
3921	97	129	06:01:29.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2390.24 +/- 1	4R3	4	0	3,947,622:22:8	
3922	97	129	06:01:30.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2390.12 +/- 1	4R3	4	0	3,947,622:24:9	
3923	97	129	06:01:56.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2384.17 +/- 1	4R3	4	0	3,947,622:63:0	
3924	97	129	06:02:18.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2378.86 +/- 1	4R3	4	0	3,947,623:06:0	
3925	97	129	06:02:18.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,623:06:0	
3926	97	129	06:02:19.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2378.80 +/- 1	4R3	4	0	3,947,623:07:8	
3927	97	129	06:05:16.066	165BH4A	7SCAN	NORM,45.785,15.6	Check S/P Position	4R3	4	0	3,947,625:90:0	
3928	97	129	06:06:44.733	176HM6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,947,627:41:0	
3929	97	129	06:06:46.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,947,627:44:0	
3930	97	129	06:06:46.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2378.80 +/- 1	4R3	4	0	3,947,627:44:0	
3931	97	129	06:06:48.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2378.92 +/- 1	4R3	4	0	3,947,627:46:1	
3932	97	129	06:06:53.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2380.15 +/- 1	4R3	4	0	3,947,627:54:0	
3933	97	129	06:06:54.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2380.21 +/- 1	4R3	4	0	3,947,627:55:8	
3934	97	129	06:06:56.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2380.09 +/- 1	4R3	4	0	3,947,627:57:9	
3935	97	129	06:06:56.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2379.92 +/- 1	4R3	4	0	3,947,627:59:0	
3936	97	129	06:07:09.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2376.95 +/- 1	4R3	4	0	3,947,627:78:0	
3937	97	129	06:07:09.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,947,627:78:0	
3938	97	129	06:07:10.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2376.89 +/- 1	4R3	4	0	3,947,627:79:8	
3939	**97**	**129**	**06:23:32.733**	**G8NNNIMSLD08-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3940	97	129	06:24:33.400	20EI6A	6CKSUM	NIMS	NIMS,1000,14BC	4R3	4	0	3,947,645:06:0	
3941	**97**	**129**	**06:25:34.066**	**20EI5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**3,947,646:06:0**	
3942	**97**	**129**	**06:26:34.733**	**20EI5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**3,947,647:06:0**	
3943	**97**	**129**	**06:27:35.400**	**20EI6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**3,947,648:06:0**	
3944	**97**	**129**	**06:28:36.066**	**20EI6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**3,947,649:06:0**	
3945	**97**	**129**	**06:29:36.733**	**20EI5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,947,650:06:0**	
3946	**97**	**129**	**06:30:37.400**	**20EI5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,947,651:06:0**	
3947	**97**	**129**	**06:31:38.066**	**20EI4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,947,652:06:0**	
3948	**97**	**129**	**06:33:39.400**	**G8NNNIMSLD08-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
3949	**97**	**129**	**06:33:39.400**	**G8JNWINDOW01-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
3950	**97**	**129**	**06:34:40.066**	**G8JNFEA10401-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
3951	97	129	06:36:36.733	165FF4A	7SCAN	NORM,48.784,16.7	Check S/P Position	2R0	4	0	3,947,656:90:0	
3952	97	129	06:37:33.400	127FF	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	3,947,657:84:0	
3953	**97**	**129**	**06:37:33.400**	**127FF4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,947,657:84:0**	
3954	**97**	**129**	**06:37:34.066**	**127FF4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,947,657:85:0**	
3955	97	129	06:37:42.066	127FF11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,947,658:06:0	
3956	97	129	06:38:26.733	175FF422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,658:73:0	
3957	97	129	06:38:26.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2376.89 +/- 1	2R5	4	1	3,947,658:73:0	
3958	97	129	06:38:28.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2377.01 +/- 1	2R5	4	1	3,947,658:75:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3959	97	129	06:38:29.400	117FF	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,947,658:77:0
3960	97	129	06:38:33.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2378.24 +/- 1	2R5	4	1	3,947,658:83:0
3961	97	129	06:38:34.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2378.30 +/- 1	2R5	4	1	3,947,658:84:8
3962	97	129	06:38:35.400	175FF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,947,658:86:0
3963	97	129	06:38:36.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2378.18 +/- 1	2R5	4	1	3,947,658:86:9
3964	97	129	06:38:36.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2378.18 +/- 1	2R5	4	1	3,947,658:86:9
3965	97	129	06:38:38.733	117FF105A106A4A	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	3,947,659:00:0
3966	**97**	**129**	**06:38:38.733**	**G8JNFEA10401-**	**NIMPBK**	**301FG**	**JUPITER FEATURE TRACK 104 DEG PH**	**2R5**	**4**	**1**	**: :**
3967	**97**	**129**	**06:40:18.066**	**G8JNFEA10401-**	**DESELC**	**300FG**	**JUPITER FEATURE TRACK 104 DEG PH**	**2R5**	**4**	**1**	**: :**
3968	97	129	06:40:18.733	117FF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,947,660:59:0
3969	97	129	06:40:30.066	175FF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,660:76:0
3970	97	129	06:40:30.066	175FF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,947,660:76:0
3971	97	129	06:40:30.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2351.45 +/- 1	2R5	4	1	3,947,660:76:0
3972	97	129	06:40:31.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2351.39 +/- 1	2R5	4	1	3,947,660:77:8
3973	**97**	**129**	**06:40:44.066**	**G8JNFEA10401-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
3974	97	129	06:54:48.733	165HN4A	7SCAN	NORM,48.517,16.8	Check S/P Position	2R5	4	1	3,947,674:90:0
3975	97	129	06:58:42.733	117HN	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,947,678:77:0
3976	97	129	06:58:52.066	176HN6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,947,679:00:0
3977	97	129	06:58:52.066	117HN105A106A4A	7STRP	0.0,0.008,0,0,0,	Slew =,0.12	2R5	4	1	3,947,679:00:0
3978	97	129	07:00:00.733	117HN105A106A4B	7STRP	-0.0022,-0.0082,	Slew =0,1.8	2R5	4	1	3,947,680:12:0
3979	97	129	07:00:08.733	117HN105A106A4C	7STRP	0.0,0.008,0,0,0,	Slew =,0.12	2R5	4	1	3,947,680:24:0
3980	97	129	07:01:17.400	117HN105A106A4D	7STRP	-0.0022,-0.0082,	Slew =0,1.8	2R5	4	1	3,947,681:36:0
3981	97	129	07:01:25.400	117HN105A106A4E	7STRP	0.0,0.008,0,0,0,	Slew =,0.12	2R5	4	1	3,947,681:48:0
3982	97	129	07:02:34.066	117HN105A106A4F	7STRP	-0.0022,-0.0082,	Slew =0,1.8	2R5	4	1	3,947,682:60:0
3983	97	129	07:02:42.066	117HN105A106A4G	7STRP	0.0,0.008,0,0,0,	Slew =,0.12	2R5	4	1	3,947,682:72:0
3984	97	129	07:03:50.733	117HN105A106A4H	7STRP	-0.0022,-0.0082,	Slew =0,1.8	2R5	4	1	3,947,683:84:0
3985	97	129	07:03:58.733	117HN105A106A4I	7STRP	0.0,0.008,0,0,0,	Slew =,0.12	2R5	4	1	3,947,684:05:0
3986	97	129	07:05:07.400	117HN105A106A4J	7STRP	-0.0022,-0.0082,	Slew =0,1.8	2R5	4	1	3,947,685:17:0
3987	97	129	07:05:15.400	117HN105A106A4K	7STRP	0.0,0.008,0,0,0,	Slew =,0.12	2R5	4	1	3,947,685:29:0
3988	**97**	**129**	**07:06:00.733**	**G8NNNIMSLD09-**		**-----START------**		**2R5**	**4**	**1**	**: :**
3989	97	129	07:06:24.066	117HN105A106A4L	7STRP	-0.0022,-0.0082,	Slew =0,1.8	2R5	4	1	3,947,686:41:0
3990	97	129	07:06:32.066	117HN105A106A4M	7STRP	0.0,0.008,0,0,0,	Slew =,0.12	2R5	4	1	3,947,686:53:0
3991	97	129	07:07:01.400	20EJ6A	6CKSUM	NIMS	NIMS,1000,14BC	2R5	4	1	3,947,687:06:0
3992	97	129	07:07:40.733	117HN105A106A4N	7STRP	-0.0022,-0.0082,	Slew =0,1.8	2R5	4	1	3,947,687:65:0
3993	97	129	07:07:48.733	117HN105A106A4O	7STRP	0.0,0.008,0,0,0,	Slew =,0.12	2R5	4	1	3,947,687:77:0
3994	**97**	**129**	**07:08:02.066**	**20EJ5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R5**	**4**	**1**	**3,947,688:06:0**
3995	97	129	07:08:57.400	117HN105A106A4P	7STRP	-0.0022,-0.0082,	Slew =0,1.8	2R5	4	1	3,947,688:89:0
3996	**97**	**129**	**07:09:02.733**	**20EJ5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R5**	**4**	**1**	**3,947,689:06:0**
3997	97	129	07:09:05.400	117HN105A106A4Q	7STRP	0.0,0.008,0,0,0,	Slew =,0.12	2R5	4	1	3,947,689:10:0
3998	**97**	**129**	**07:10:03.400**	**20EJ6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R5**	**4**	**1**	**3,947,690:06:0**
3999	97	129	07:10:14.066	117HN105A106A4R	7STRP	-0.0022,-0.0082,	Slew =0,1.8	2R5	4	1	3,947,690:22:0
4000	97	129	07:10:22.066	117HN105A106A4S	7STRP	0.0,0.008,0,0,0,	Slew =,0.12	2R5	4	1	3,947,690:34:0
4001	**97**	**129**	**07:11:04.066**	**20EJ6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R5**	**4**	**1**	**3,947,691:06:0**
4002	97	129	07:11:30.733	117HN105A106A4T	7STRP	-0.0022,-0.0082,	Slew =0,1.8	2R5	4	1	3,947,691:46:0
4003	97	129	07:11:38.733	117HN105A106A4U	7STRP	0.0,0.008,0,0,0,	Slew =,0.12	2R5	4	1	3,947,691:58:0
4004	**97**	**129**	**07:12:04.733**	**20EJ5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,947,692:06:0**
4005	97	129	07:12:47.400	117HN105A106A4V	7STRP	-0.0022,-0.0082,	Slew =0,1.8	260	4	0	3,947,692:70:0
4006	97	129	07:12:55.400	117HN105A106A4W	7STRP	0.0,0.008,0,0,0,	Slew =,0.12	260	4	0	3,947,692:82:0
4007	**97**	**129**	**07:13:05.400**	**20EJ5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,947,693:06:0**
4008	97	129	07:14:04.066	117HN11A	**CSMOS**	GE	***** GROUP END CSMOS	260	4	0	3,947,694:03:0
4009	97	129	07:14:04.066	176HN6B	6TMREC	**NRC**	NO RECORD Record Mode Change	260	4	0	3,947,694:03:0
4010	**97**	**129**	**07:14:06.066**	**20EJ4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,947,694:06:0**
4011	97	129	07:14:06.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R0	4	0	3,947,694:06:0
4012	97	129	07:14:06.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2351.39 +/- 1	2R0	4	0	3,947,694:06:0
4013	97	129	07:14:07.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2351.51 +/- 1	2R0	4	0	3,947,694:08:1

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4014	97	129	07:14:12.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2352.74 +/- 1	2R0	4	0	3,947,694:16:0	
4015	97	129	07:14:13.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2352.80 +/- 1	2R0	4	0	3,947,694:17:8	
4016	97	129	07:14:15.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2352.68 +/- 1	2R0	4	0	3,947,694:19:9	
4017	97	129	07:14:16.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2352.51 +/- 1	2R0	4	0	3,947,694:21:0	
4018	97	129	07:14:36.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2347.83 +/- 1	2R0	4	0	3,947,694:51:0	
4019	97	129	07:14:36.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	3,947,694:51:0	
4020	97	129	07:14:37.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2347.77 +/- 1	2R0	4	0	3,947,694:52:8	
4021	**97**	**129**	**07:16:07.400**	**G8NNNIMSLD09-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
4022	97	129	07:17:03.400	165FH4A	7SCAN	NORM,49.703,16.9	Check S/P Position	2R0	4	0	3,947,696:90:0	
4023	**97**	**129**	**07:17:08.066**	**G8JNFEA10402-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
4024	97	129	07:18:00.066	127FH	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	3,947,697:84:0	
4025	**97**	**129**	**07:18:00.066**	**127FH4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,947,697:84:0**	
4026	**97**	**129**	**07:18:00.733**	**127FH4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,947,697:85:0**	
4027	97	129	07:18:08.733	127FH11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,947,698:06:0	
4028	97	129	07:18:53.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2347.77 +/- 1	2R5	4	1	3,947,698:73:0	
4029	97	129	07:18:53.400	175FH422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,698:73:0	
4030	97	129	07:18:54.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2347.89 +/- 1	2R5	4	1	3,947,698:75:1	
4031	97	129	07:18:56.066	117FH	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,947,698:77:0	
4032	97	129	07:19:00.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2349.12 +/- 1	2R5	4	1	3,947,698:83:0	
4033	97	129	07:19:01.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2349.18 +/- 1	2R5	4	1	3,947,698:84:8	
4034	97	129	07:19:02.066	175FH176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,947,698:86:0	
4035	97	129	07:19:02.666		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2349.06 +/- 1	2R5	4	1	3,947,698:86:9	
4036	97	129	07:19:02.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2349.06 +/- 1	2R5	4	1	3,947,698:86:9	
4037	**97**	**129**	**07:19:05.400**	**G8JNFEA10402-**	**NIMPBK**	**301FH**	**JUPITER FEATURE TRACK 104 DEG PH**	**2R5**	**4**	**1**	**: :**	
4038	97	129	07:19:05.400	117FH105A106A4A	7STRP	0.005,0.0,0,0,0,	Slew =,0.11	2R5	4	1	3,947,699:00:0	
4039	**97**	**129**	**07:19:53.400**	**G8JNFEA10402-**	**DESELC**	**300FH**	**JUPITER FEATURE TRACK 104 DEG PH**	**2R5**	**4**	**1**	**: :**	
4040	97	129	07:19:54.066	117FH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,947,699:73:0	
4041	97	129	07:20:56.733	175FH6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,947,700:76:0	
4042	97	129	07:20:56.733	175FH422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,700:76:0	
4043	97	129	07:20:56.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2322.33 +/- 1	2R5	4	1	3,947,700:76:0	
4044	97	129	07:20:57.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2322.27 +/- 1	2R5	4	1	3,947,700:77:8	
4045	**97**	**129**	**07:21:10.733**	**G8JNFEA10402-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4046	97	129	07:22:06.733	165BI4A	7SCAN	NORM,49.626,23.6	Check S/P Position	2R5	4	1	3,947,701:90:0	
4047	97	129	07:57:17.400	176HO6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,947,736:71:0	
4048	97	129	08:00:05.400	165HO4A	7SCAN	NORM,50.869,18.8	Check S/P Position	2R5	4	1	3,947,739:50:0	
4049	97	129	08:00:23.400	117HO	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,947,739:77:0	
4050	97	129	08:00:32.733	117HO105A106A4A	7STRP	-0.015001,0.0,0,	Slew =,0.27	2R5	4	1	3,947,740:00:0	
4051	97	129	08:01:33.400	117HO105A106A4B	7STRP	0.015001,0.001,0	Slew =12.01	2R5	4	1	3,947,741:00:0	
4052	97	129	08:01:42.733	117HO105A106A4C	7STRP	-0.015001,0.0,0,	Slew =,0.27	2R5	4	1	3,947,741:14:0	
4053	97	129	08:02:43.400	117HO105A106A4D	7STRP	0.015001,0.001,0	Slew =12.01	2R5	4	1	3,947,742:14:0	
4054	97	129	08:02:52.733	117HO105A106A4E	7STRP	-0.015001,0.0,0,	Slew =,0.27	2R5	4	1	3,947,742:28:0	
4055	97	129	08:03:53.400	117HO105A106A4F	7STRP	0.015001,0.001,0	Slew =12.01	2R5	4	1	3,947,743:28:0	
4056	97	129	08:04:02.733	117HO105A106A4G	7STRP	-0.015001,0.0,0,	Slew =,0.27	2R5	4	1	3,947,743:42:0	
4057	97	129	08:05:03.400	117HO105A106A4H	7STRP	0.015001,0.001,0	Slew =12.01	2R5	4	1	3,947,744:42:0	
4058	97	129	08:05:12.733	117HO105A106A4I	7STRP	-0.015001,0.0,0,	Slew =,0.27	2R5	4	1	3,947,744:56:0	
4059	97	129	08:06:13.400	117HO105A106A4J	7STRP	0.015001,0.001,0	Slew =12.01	2R5	4	1	3,947,745:56:0	
4060	97	129	08:06:22.733	117HO105A106A4K	7STRP	-0.015001,0.0,0,	Slew =,0.27	2R5	4	1	3,947,745:70:0	
4061	97	129	08:07:23.400	117HO105A106A4L	7STRP	0.015001,0.001,0	Slew =12.01	2R5	4	1	3,947,746:70:0	
4062	97	129	08:07:32.733	117HO105A106A4M	7STRP	-0.015001,0.0,0,	Slew =,0.27	2R5	4	1	3,947,746:84:0	
4063	97	129	08:08:33.400	117HO105A106A4N	7STRP	0.015001,0.001,0	Slew =12.01	2R5	4	1	3,947,747:84:0	
4064	97	129	08:08:42.733	117HO105A106A4O	7STRP	-0.015001,0.0,0,	Slew =,0.27	2R5	4	1	3,947,748:07:0	
4065	97	129	08:09:43.400	117HO105A106A4P	7STRP	0.015001,0.001,0	Slew =12.01	2R5	4	1	3,947,749:07:0	
4066	97	129	08:09:52.733	117HO105A106A4Q	7STRP	-0.015001,0.0,0,	Slew =,0.27	2R5	4	1	3,947,749:21:0	
4067	97	129	08:10:53.400	117HO105A106B4A	7STRP	-0.028007,-0.041	Slew =12.01	2R5	4	1	3,947,750:21:0	
4068	97	129	08:11:54.066	117HO105A106B4B	7STRP	0.001,0.0,0,0,0,	Slew =,0.27	2R5	4	1	3,947,751:21:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4069	97	129	08:12:14.066	117HO105A106C4A	7STRP	0.035014,0.001,0	Slew =12.01	2R5	4	1	3,947,751:51:0	
4070	97	129	08:12:23.400	117HO105A106C4B	7STRP	-0.035014,0.0,0,	Slew =,0.27	2R5	4	1	3,947,751:65:0	
4071	97	129	08:14:30.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2322.27 +/- 1	2R5	4	1	3,947,753:73:0	
4072	97	129	08:14:30.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,753:73:0	
4073	97	129	08:14:31.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2322.39 +/- 1	2R5	4	1	3,947,753:75:1	
4074	97	129	08:14:36.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2323.62 +/- 1	2R5	4	1	3,947,753:83:0	
4075	97	129	08:14:37.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2323.68 +/- 1	2R5	4	1	3,947,753:84:8	
4076	97	129	08:14:38.066	117HO105A106C4C	7STRP	0.035014,0.001,0	Slew =12.01	2R5	4	1	3,947,753:85:0	
4077	97	129	08:14:39.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2323.56 +/- 1	2R5	4	1	3,947,753:86:9	
4078	97	129	08:14:47.400	117HO105A106C4D	7STRP	-0.035014,0.0,0,	Slew =,0.27	2R5	4	1	3,947,754:08:0	
4079	97	129	08:15:05.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2317.45 +/- 1	2R5	4	1	3,947,754:35:0	
4080	97	129	08:15:28.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2312.14 +/- 1	2R5	4	1	3,947,754:69:0	
4081	97	129	08:15:28.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,754:69:0	
4082	97	129	08:15:29.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2312.08 +/- 1	2R5	4	1	3,947,754:70:8	
4083	97	129	08:17:02.066	117HO105A106C4E	7STRP	0.035014,0.001,0	Slew =12.01	2R5	4	1	3,947,756:28:0	
4084	97	129	08:17:11.400	117HO105A106C4F	7STRP	-0.035014,0.0,0,	Slew =,0.27	2R5	4	1	3,947,756:42:0	
4085	97	129	08:19:26.066	117HO105A106C4G	7STRP	0.035014,0.001,0	Slew =12.01	2R5	4	1	3,947,758:62:0	
4086	97	129	08:19:35.400	117HO105A106C4H	7STRP	-0.035014,0.0,0,	Slew =,0.27	2R5	4	1	3,947,758:76:0	
4087	97	129	08:21:50.066	117HO105A106C4I	7STRP	0.035014,0.001,0	Slew =12.01	2R5	4	1	3,947,761:05:0	
4088	97	129	08:21:59.400	117HO105A106C4J	7STRP	-0.035014,0.0,0,	Slew =,0.27	2R5	4	1	3,947,761:19:0	
4089	97	129	08:24:14.066	117HO105A106C4K	7STRP	0.035014,0.001,0	Slew =12.01	2R5	4	1	3,947,763:39:0	
4090	97	129	08:24:23.400	117HO105A106C4L	7STRP	-0.035014,0.0,0,	Slew =,0.27	2R5	4	1	3,947,763:53:0	
4091	97	129	08:26:38.066	117HO105A106C4M	7STRP	0.035014,0.001,0	Slew =12.01	2R5	4	1	3,947,765:73:0	
4092	97	129	08:26:47.400	117HO105A106C4N	7STRP	-0.035014,0.0,0,	Slew =,0.27	2R5	4	1	3,947,765:87:0	
4093	97	129	08:29:02.066	117HO105A106C4O	7STRP	0.035014,0.001,0	Slew =12.01	2R5	4	1	3,947,768:16:0	
4094	97	129	08:29:11.400	117HO105A106C4P	7STRP	-0.035014,0.0,0,	Slew =,0.27	2R5	4	1	3,947,768:30:0	
4095	97	129	08:31:26.066	117HO105A106C4Q	7STRP	0.035014,0.001,0	Slew =12.01	2R5	4	1	3,947,770:50:0	
4096	97	129	08:31:35.400	117HO105A106C4R	7STRP	-0.035014,0.0,0,	Slew =,0.27	2R5	4	1	3,947,770:64:0	
4097	97	129	08:32:21.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,771:42:0	
4098	97	129	08:32:21.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2312.08 +/- 1	2R5	4	1	3,947,771:42:0	
4099	97	129	08:32:22.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2312.20 +/- 1	2R5	4	1	3,947,771:44:1	
4100	97	129	08:32:28.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2313.43 +/- 1	2R5	4	1	3,947,771:52:0	
4101	97	129	08:32:29.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2313.49 +/- 1	2R5	4	1	3,947,771:53:8	
4102	97	129	08:32:30.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2313.37 +/- 1	2R5	4	1	3,947,771:55:9	
4103	97	129	08:32:56.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2307.42 +/- 1	2R5	4	1	3,947,772:03:0	
4104	97	129	08:33:18.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,772:37:0	
4105	97	129	08:33:18.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2302.11 +/- 1	2R5	4	1	3,947,772:37:0	
4106	97	129	08:33:19.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2302.05 +/- 1	2R5	4	1	3,947,772:38:8	
4107	97	129	08:33:50.066	117HO105A106C4S	7STRP	0.035014,0.001,0	Slew =12.01	2R5	4	1	3,947,772:84:0	
4108	97	129	08:33:59.400	117HO105A106C4T	7STRP	-0.035014,0.0,0,	Slew =,0.27	2R5	4	1	3,947,773:07:0	
4109	97	129	08:36:14.066	117HO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,947,775:27:0	
4110	97	129	08:50:12.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,789:11:0	
4111	97	129	08:50:12.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2302.05 +/- 1	2R5	4	1	3,947,789:11:0	
4112	97	129	08:50:14.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2302.17 +/- 1	2R5	4	1	3,947,789:13:1	
4113	97	129	08:50:19.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2303.40 +/- 1	2R5	4	1	3,947,789:21:0	
4114	97	129	08:50:20.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2303.46 +/- 1	2R5	4	1	3,947,789:22:8	
4115	97	129	08:50:22.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2303.34 +/- 1	2R5	4	1	3,947,789:24:9	
4116	97	129	08:50:47.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2297.39 +/- 1	2R5	4	1	3,947,789:63:0	
4117	97	129	08:51:10.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,790:06:0	
4118	97	129	08:51:10.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2292.08 +/- 1	2R5	4	1	3,947,790:06:0	
4119	97	129	08:51:11.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2292.02 +/- 1	2R5	4	1	3,947,790:07:8	
4120	97	129	08:54:07.400	165BS4A	7SCAN	NORM,50.577,23.8	Check S/P Position	2R5	4	1	3,947,792:90:0	
4121	97	129	08:55:36.066	176HO6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,947,794:41:0	
4122	97	129	08:55:38.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,794:44:0	
4123	97	129	08:55:38.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2292.02 +/- 1	2R5	4	1	3,947,794:44:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4124	97	129	08:55:39.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2292.14 +/- 1	2R5	4	1	3,947,794:46:1	
4125	97	129	08:55:44.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2293.37 +/- 1	2R5	4	1	3,947,794:54:0	
4126	97	129	08:55:45.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2293.43 +/- 1	2R5	4	1	3,947,794:55:8	
4127	97	129	08:55:47.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2293.31 +/- 1	2R5	4	1	3,947,794:57:9	
4128	97	129	08:55:48.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2293.14 +/- 1	2R5	4	1	3,947,794:59:0	
4129	97	129	08:56:00.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,794:78:0	
4130	97	129	08:56:00.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2290.17 +/- 1	2R5	4	1	3,947,794:78:0	
4131	97	129	08:56:01.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2290.11 +/- 1	2R5	4	1	3,947,794:79:8	
4132	97	129	08:57:14.066	488BJ6A	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2R5	4	1	3,947,796:06:0	
4133	97	129	09:24:27.400	165BJ4A	7SCAN	NORM,40.004,15.7	Check S/P Position	2R5	4	1	3,947,822:90:0	
4134	97	129	09:24:58.066	488BJ6B	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2R5	4	1	3,947,823:45:0	
4135	97	129	10:28:26.066	488BJ6C	6TMSED	FILL,CL4	Sci, Eng, and D/L Chan	2R5	4	1	3,947,886:24:0	
4136	97	129	11:02:05.400	488BJ6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	2R5	4	1	3,947,919:50:0	
4137	97	129	11:20:44.066	165HP4A	7SCAN	NORM,78.556,25.2	Check S/P Position	2R5	4	1	3,947,937:90:0	
4138	97	129	11:22:36.733	117HP	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,947,939:77:0	
4139	97	129	11:22:46.066	117HP105A106A4A	7STRP	0.0011,0.0,0,0,0	Slew =,0.06	2R5	4	1	3,947,940:00:0	
4140	97	129	11:22:46.066	176HP6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,947,940:00:0	
4141	97	129	11:23:07.400	117HP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,947,940:32:0	
4142	97	129	11:23:19.400	176HP6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,947,940:50:0	
4143	97	129	11:23:21.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,940:53:0	
4144	97	129	11:23:21.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2290.11 +/- 1	2R5	4	1	3,947,940:53:0	
4145	97	129	11:23:22.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2290.23 +/- 1	2R5	4	1	3,947,940:55:1	
4146	97	129	11:23:28.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2291.46 +/- 1	2R5	4	1	3,947,940:63:0	
4147	97	129	11:23:29.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2291.52 +/- 1	2R5	4	1	3,947,940:64:8	
4148	97	129	11:23:30.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2291.40 +/- 1	2R5	4	1	3,947,940:66:9	
4149	97	129	11:23:31.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2291.23 +/- 1	2R5	4	1	3,947,940:68:0	
4150	97	129	11:23:41.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2288.89 +/- 1	2R5	4	1	3,947,940:83:0	
4151	97	129	11:23:41.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,940:83:0	
4152	97	129	11:23:42.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2288.83 +/- 1	2R5	4	1	3,947,940:84:8	
4153	97	129	11:23:46.066	165HQ4A	7SCAN	NORM,83.549,25.3	Check S/P Position	2R5	4	1	3,947,940:90:0	
4154	97	129	11:27:40.066	117HQ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,947,944:77:0	
4155	97	129	11:27:49.400	176HQ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,947,945:00:0	
4156	97	129	11:27:49.400	117HQ105A106A4A	7STRP	0.005,0.0,0,0,0,	Slew =,0.35	2R5	4	1	3,947,945:00:0	
4157	97	129	11:28:08.066	117HQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,947,945:28:0	
4158	97	129	11:28:22.733	176HQ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,947,945:50:0	
4159	97	129	11:28:24.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,947,945:53:0	
4160	97	129	11:28:24.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2288.83 +/- 1	2R5	4	1	3,947,945:53:0	
4161	97	129	11:28:26.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2288.95 +/- 1	2R5	4	1	3,947,945:55:1	
4162	97	129	11:28:31.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2290.18 +/- 1	2R5	4	1	3,947,945:63:0	
4163	97	129	11:28:32.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2290.24 +/- 1	2R5	4	1	3,947,945:64:8	
4164	97	129	11:28:34.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2290.12 +/- 1	2R5	4	1	3,947,945:66:9	
4165	97	129	11:28:34.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2289.95 +/- 1	2R5	4	1	3,947,945:68:0	
4166	97	129	11:28:44.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,947,945:83:0	
4167	97	129	11:28:44.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2287.61 +/- 1	2R5	4	1	3,947,945:83:0	
4168	97	129	11:28:45.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2287.55 +/- 1	2R5	4	1	3,947,945:84:8	
4169	97	129	11:29:50.066	165BT4A	7SCAN	NORM,40.004,15.7	Check S/P Position	2R5	4	1	3,947,946:90:0	
4170	97	129	14:00:10.000	488BJ6E	6TMSED	NORM,CL6	Sci, Eng, and D/L Chan	2R5	4	1	3,948,095:61:0	
4171	97	129	14:04:26.000	488BK6A	6TMSED	NORM,CL7	Sci, Eng, and D/L Chan	2R5	4	1	3,948,099:81:0	
4172	97	129	14:30:00.000	488BK6B	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	2R5	4	1	3,948,125:16:0	
4173	97	129	15:46:32.000	488BK6C	6TMSED	FILL,HL7	Sci, Eng, and D/L Chan	2R5	4	1	3,948,200:79:0	
4174	97	129	15:48:58.000	488BK6D	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	2R5	4	1	3,948,203:25:0	
4175	97	129	15:50:38.000	488BK6E	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	2R5	4	1	3,948,204:84:0	
4176	**97**	**129**	**16:34:15.400**	**G8NNNIMSLD10-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
4177	97	129	16:35:16.000	20EK6A	6CKSUM	NIMS	NIMS,1000,14BC	2R5	4	1	3,948,249:06:0	
4178	**97**	**129**	**16:36:16.666**	**20EK5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R5**	**4**	**1**	**3,948,250:06:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4179	**97**	**129**	**16:37:17.333**	**20EK5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R5**	**4**	**1**	**3,948,251:06:0**	
4180	**97**	**129**	**16:38:18.000**	**20EK6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R5**	**4**	**1**	**3,948,252:06:0**	
4181	**97**	**129**	**16:39:18.666**	**20EK6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R5**	**4**	**1**	**3,948,253:06:0**	
4182	**97**	**129**	**16:40:19.333**	**20EK5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,948,254:06:0**	
4183	**97**	**129**	**16:41:20.000**	**20EK5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,948,255:06:0**	
4184	**97**	**129**	**16:42:20.666**	**20EK4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,948,256:06:0**	
4185	**97**	**129**	**16:44:22.066**	**G8NNNIMSLD10-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
4186	97	129	16:45:18.000	165FI4A	7SCAN	NORM,67.5,21.632	Check S/P Position	2R0	4	0	3,948,258:90:0	
4187	**97**	**129**	**16:45:22.733**	**G8JNFEA12201-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
4188	97	129	16:48:16.000	127FI	NIMSTAB	GS	%%%%% GROUP START TAB	2R0	4	0	3,948,261:84:0	
4189	**97**	**129**	**16:48:16.000**	**127FI4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,948,261:84:0**	
4190	**97**	**129**	**16:48:16.666**	**127FI4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,948,261:85:0**	
4191	97	129	16:48:24.666	127FI11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,948,262:06:0	
4192	97	129	16:49:09.333	175FI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,948,262:73:0	
4193	97	129	16:49:09.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2287.55 +/- 1	2R5	4	1	3,948,262:73:0	
4194	97	129	16:49:10.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2287.67 +/- 1	2R5	4	1	3,948,262:75:1	
4195	97	129	16:49:12.000	117FI	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,948,262:77:0	
4196	97	129	16:49:16.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2288.90 +/- 1	2R5	4	1	3,948,262:83:0	
4197	97	129	16:49:17.200		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2288.96 +/- 1	2R5	4	1	3,948,262:84:8	
4198	97	129	16:49:18.000	175FI176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,948,262:86:0	
4199	97	129	16:49:18.600		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2288.84 +/- 1	2R5	4	1	3,948,262:86:9	
4200	97	129	16:49:18.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2288.84 +/- 1	2R5	4	1	3,948,262:86:9	
4201	**97**	**129**	**16:49:21.333**	**G8JNFEA12201-**	**NIMPBK**	**301FI**	**JUPITER FEATURE TRACK 122 DEG PH**	**2R5**	**4**	**1**	**: :**	
4202	97	129	16:49:21.333	117FI105A106A4A	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	3,948,263:00:0	
4203	**97**	**129**	**16:51:00.666**	**G8JNFEA12201-**	**DESELC**	**300FI**	**JUPITER FEATURE TRACK 122 DEG PH**	**2R5**	**4**	**1**	**: :**	
4204	97	129	16:51:01.333	117FI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,948,264:59:0	
4205	97	129	16:51:12.666		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2262.11 +/- 1	2R5	4	1	3,948,264:76:0	
4206	97	129	16:51:12.666	175FI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,948,264:76:0	
4207	97	129	16:51:12.666	175FI6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,948,264:76:0	
4208	97	129	16:51:13.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2262.05 +/- 1	2R5	4	1	3,948,264:77:8	
4209	**97**	**129**	**16:51:26.733**	**G8JNFEA12201-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4210	**97**	**129**	**16:52:27.400**	**G8NNHEALTH05-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
4211	**97**	**129**	**16:53:19.333**	**127KQ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,948,266:84:0**	
4212	97	129	16:53:19.333	127KQ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	3,948,266:84:0	
4213	**97**	**129**	**16:53:20.000**	**127KQ4B**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**3,948,266:85:0**	
4214	97	129	16:53:28.000	127KQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	3,948,267:06:0	
4215	97	129	16:53:44.000	432DX6A	6RTSL2	NIMSEL,AACNCG,RT	NIMS R/T SELECT	2R3	4	0	3,948,267:30:0	
4216	**97**	**129**	**16:54:43.333**	**432DY6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**3,948,268:28:0**	
4217	**97**	**129**	**16:57:30.733**	**G8NNHEALTH05-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
4218	97	129	17:15:38.000	165FJ4A	7SCAN	NORM,68.0,21.666	Check S/P Position	2R3	4	0	3,948,288:90:0	
4219	**97**	**129**	**17:15:42.733**	**G8JNFEA12202-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
4220	**97**	**129**	**17:18:36.000**	**127FJ4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,948,291:84:0**	
4221	97	129	17:18:36.000	127FJ	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,948,291:84:0	
4222	**97**	**129**	**17:18:36.666**	**127FJ4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,948,291:85:0**	
4223	97	129	17:18:44.666	127FJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,948,292:06:0	
4224	97	129	17:19:29.333	175FJ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,948,292:73:0	
4225	97	129	17:19:29.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2262.05 +/- 1	2R5	4	1	3,948,292:73:0	
4226	97	129	17:19:30.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2262.17 +/- 1	2R5	4	1	3,948,292:75:1	
4227	97	129	17:19:32.000	117FJ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,948,292:77:0	
4228	97	129	17:19:36.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2263.40 +/- 1	2R5	4	1	3,948,292:83:0	
4229	97	129	17:19:37.200		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2263.46 +/- 1	2R5	4	1	3,948,292:84:8	
4230	97	129	17:19:38.000	175FJ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,948,292:86:0	
4231	97	129	17:19:38.600		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2263.34 +/- 1	2R5	4	1	3,948,292:86:9	
4232	97	129	17:19:38.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2263.34 +/- 1	2R5	4	1	3,948,292:86:9	
4233	**97**	**129**	**17:19:41.333**	**G8JNFEA12202-**	**NIMPBK**	**301FJ**	**JUPITER FEATURE TRACK 122 DEG PH**	**2R5**	**4**	**1**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4234	97	129	17:19:41.333	117FJ105A106A4A	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	3,948,293:00:0	
4235	**97**	**129**	**17:21:20.666**	**G8JNFEA12202-**	**DESELC**	**300FJ**	**JUPITER FEATURE TRACK 122 DEG PH**	**2R5**	**4**	**1**	**: :**	
4236	97	129	17:21:21.333	117FJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,948,294:59:0	
4237	97	129	17:21:32.666	175FJ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,948,294:76:0	
4238	97	129	17:21:32.666		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2236.61 +/- 1	2R5	4	1	3,948,294:76:0	
4239	97	129	17:21:32.666	175FJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,948,294:76:0	
4240	97	129	17:21:33.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2236.55 +/- 1	2R5	4	1	3,948,294:77:8	
4241	**97**	**129**	**17:21:46.733**	**G8JNFEA12202-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4242	**97**	**129**	**17:22:47.400**	**G8NNHNDARK04-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
4243	97	129	17:23:43.333	165FG4A	7SCAN	NORM,247.178999,	Check S/P Position	2R5	4	1	3,948,296:90:0	
4244	97	129	17:25:40.666	125FG	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	3,948,298:84:0	
4245	97	129	17:25:40.666	125FG11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	3,948,298:84:0	
4246	**97**	**129**	**17:25:40.666**	**125FG4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R5**	**4**	**1**	**3,948,298:84:0**	
4247	**97**	**129**	**17:26:41.333**	**127FG4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,948,299:84:0**	
4248	97	129	17:26:41.333	127FG	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,948,299:84:0	
4249	**97**	**129**	**17:26:42.000**	**127FG4B**	**37ETB**	**07,C7,05,FF,FF,3**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,948,299:85:0**	
4250	97	129	17:26:50.000	127FG11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,948,300:06:0	
4251	97	129	17:27:34.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2236.55 +/- 1	4R3	4	0	3,948,300:73:0	
4252	97	129	17:27:34.666	175FG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,948,300:73:0	
4253	97	129	17:27:36.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2236.67 +/- 1	4R3	4	0	3,948,300:75:1	
4254	97	129	17:27:41.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2237.90 +/- 1	4R3	4	0	3,948,300:83:0	
4255	97	129	17:27:42.533		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2237.96 +/- 1	4R3	4	0	3,948,300:84:8	
4256	97	129	17:27:43.333	175FG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	3,948,300:86:0	
4257	97	129	17:27:43.933		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2237.84 +/- 1	4R3	4	0	3,948,300:86:9	
4258	97	129	17:27:43.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2237.84 +/- 1	4R3	4	0	3,948,300:86:9	
4259	**97**	**129**	**17:27:46.666**	**G8HNDARK__04-**	**NIMPBK**	**301FK**	**NIMS DARK OBSERVATION**	**4R3**	**4**	**0**	**: :**	
4260	**97**	**129**	**17:28:46.666**	**G8HNDARK__04-**	**DESELC**	**300FK**	**NIMS DARK OBSERVATION**	**4R3**	**4**	**0**	**: :**	
4261	**97**	**129**	**17:28:51.400**	**G8NNHNDARK04-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
4262	97	129	17:28:59.333		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2220.17 +/- 1	4R3	4	0	3,948,302:18:0	
4263	97	129	17:28:59.333	175FG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,948,302:18:0	
4264	97	129	17:28:59.333	175FG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,948,302:18:0	
4265	97	129	17:29:00.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2220.11 +/- 1	4R3	4	0	3,948,302:19:8	
4266	97	129	17:56:58.000	488BL6A	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	4R3	4	0	3,948,329:79:0	
4267	97	129	18:41:34.666	165HR4A	7SCAN	NORM,88.747999,2	Check S/P Position	4R3	4	0	3,948,373:90:0	
4268	97	129	18:45:28.666	117HR	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	3,948,377:77:0	
4269	97	129	18:45:38.000	176HR6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	3,948,378:00:0	
4270	97	129	18:45:38.000	117HR105A106A4A	7STRP	0.004,0.0,0,0,0,	Slew =,0.31	4R3	4	0	3,948,378:00:0	
4271	97	129	18:45:56.666	117HR11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	3,948,378:28:0	
4272	97	129	18:46:11.333	176HR6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	3,948,378:50:0	
4273	97	129	18:46:13.333	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	3,948,378:53:0	
4274	97	129	18:46:13.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2220.11 +/- 1	4R3	4	0	3,948,378:53:0	
4275	97	129	18:46:14.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2220.23 +/- 1	4R3	4	0	3,948,378:55:1	
4276	97	129	18:46:20.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2221.46 +/- 1	4R3	4	0	3,948,378:63:0	
4277	97	129	18:46:21.200		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2221.52 +/- 1	4R3	4	0	3,948,378:64:8	
4278	97	129	18:46:22.600		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2221.40 +/- 1	4R3	4	0	3,948,378:66:9	
4279	97	129	18:46:23.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2221.23 +/- 1	4R3	4	0	3,948,378:68:0	
4280	97	129	18:46:33.333		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2218.89 +/- 1	4R3	4	0	3,948,378:83:0	
4281	97	129	18:46:33.333	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	3,948,378:83:0	
4282	97	129	18:46:34.533		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2218.83 +/- 1	4R3	4	0	3,948,378:84:8	
4283	97	129	18:58:56.666	488BL6B	6TMSED	FILL,HL7	Sci, Eng, and D/L Chan	4R3	4	0	3,948,391:15:0	
4284	97	129	19:23:30.000	488BL6C	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	4R3	4	0	3,948,415:41:0	
4285	97	129	22:15:00.000	488BL6D	6TMSED	NORM,EL7	Sci, Eng, and D/L Chan	4R3	4	0	3,948,585:06:0	
4286	97	129	23:46:50.000	488BL6E	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4R3	4	0	3,948,675:81:0	
4287	97	130	00:46:34.000	488BM6A	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	3,948,734:88:0	
4288	97	130	01:27:06.000	488BM6B	6TMSED	NORM,EL2	Sci, Eng, and D/L Chan	4R3	4	0	3,948,775:05:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4289	97	130	01:44:10.000	488BM6C	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	4R3	4	0	3,948,791:85:0	
4290	97	130	02:20:26.000	488BM6D	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4R3	4	0	3,948,827:73:0	
4291	**97**	**130**	**02:31:49.400**	**G8NNNIMSLD12-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
4292	97	130	02:32:50.000	20EM6A	6CKSUM	NIMS	NIMS,1000,14BC	4R3	4	0	3,948,840:06:0	
4293	**97**	**130**	**02:33:50.666**	**20EM5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**3,948,841:06:0**	
4294	**97**	**130**	**02:34:51.333**	**20EM5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**3,948,842:06:0**	
4295	**97**	**130**	**02:35:52.000**	**20EM6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**3,948,843:06:0**	
4296	**97**	**130**	**02:36:52.666**	**20EM6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**3,948,844:06:0**	
4297	**97**	**130**	**02:37:53.333**	**20EM5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,948,845:06:0**	
4298	**97**	**130**	**02:38:54.000**	**20EM5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,948,846:06:0**	
4299	**97**	**130**	**02:39:54.666**	**20EM4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,948,847:06:0**	
4300	**97**	**130**	**02:40:55.333**	**20EM4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**3,948,848:06:0**	
4301	**97**	**130**	**02:41:56.066**	**G8NNNIMSLD12-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
4302	97	130	02:43:52.666	165FK4A	7SCAN	NORM,247.473999,	Check S/P Position	2R3	4	0	3,948,850:90:0	
4303	**97**	**130**	**02:43:57.400**	**G8NNHNDARK05-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
4304	97	130	02:45:50.000	125FK	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,948,852:84:0	
4305	**97**	**130**	**02:45:50.000**	**125FK4A**	**37IST**	**0,2,0,OFF,0,1,2**	**Gain State 3**	**3R3**	**4**	**0**	**3,948,852:84:0**	
4306	97	130	02:45:50.000	125FK11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,948,852:84:0	
4307	97	130	02:46:46.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2218.83 +/- 1	3R3	4	0	3,948,853:77:0	
4308	97	130	02:46:46.000	175FK422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	3R3	4	0	3,948,853:77:0	
4309	97	130	02:46:47.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2218.95 +/- 1	3R3	4	0	3,948,853:79:1	
4310	97	130	02:46:50.666	127FK	NIMSTAB	GS	%%%%% GROUP START TAB	3R3	4	0	3,948,853:84:0	
4311	**97**	**130**	**02:46:51.333**	**127FK4A**	**37ETB**	**07,C7,05,FF,FF,3**	**Loads wavelength edit table**	**3R3**	**4**	**0**	**3,948,853:85:0**	
4312	97	130	02:46:52.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2220.18 +/- 1	3R3	4	0	3,948,853:87:0	
4313	97	130	02:46:53.866		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2220.24 +/- 1	3R3	4	0	3,948,853:88:8	
4314	97	130	02:46:54.666	175FK176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	3R3	4	0	3,948,853:90:0	
4315	97	130	02:46:55.266		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2220.12 +/- 1	3R3	4	0	3,948,853:90:9	
4316	97	130	02:46:55.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2220.12 +/- 1	3R3	4	0	3,948,853:90:9	
4317	**97**	**130**	**02:46:59.333**	**G8HNDARK__05-**	**NIMPBK**	**301FL**	**NIMS DARK OBSERVATION**	**3R3**	**4**	**0**	**: :**	
4318	97	130	02:46:59.333	127FK11A	NIMSTAB	GE	%%%%% GROUP END TAB	3R3	4	0	3,948,854:06:0	
4319	**97**	**130**	**02:47:59.333**	**G8HNDARK__05-**	**DESELC**	**300FL**	**NIMS DARK OBSERVATION**	**3R3**	**4**	**0**	**: :**	
4320	97	130	02:48:10.666		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2202.45 +/- 1	3R3	4	0	3,948,855:22:0	
4321	97	130	02:48:10.666	175FK422A6B	6DMSC	RDY,0	DMS Control Tape stop	3R3	4	0	3,948,855:22:0	
4322	97	130	02:48:10.666	175FK6A	6TMREC	**NRC**	NO RECORD Record Mode Change	3R3	4	0	3,948,855:22:0	
4323	97	130	02:48:11.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2202.39 +/- 1	3R3	4	0	3,948,855:23:8	
4324	**97**	**130**	**02:50:01.400**	**G8NNHNDARK05-**		**-----STOP-------**		**3R3**	**4**	**0**	**: :**	
4325	97	130	02:51:58.000	165FL4A	7SCAN	NORM,80.728999,2	Check S/P Position	3R3	4	0	3,948,858:90:0	
4326	**97**	**130**	**02:52:02.733**	**G8JNFAB13301-**		**-----START------**		**3R3**	**4**	**0**	**: :**	
4327	97	130	02:53:55.333	125FL11A	NIMSINIT	GE	##### GROUP END INIT	3R3	4	0	3,948,860:84:0	
4328	**97**	**130**	**02:53:55.333**	**125FL4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**3,948,860:84:0**	
4329	97	130	02:53:55.333	125FL	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	3,948,860:84:0	
4330	**97**	**130**	**02:54:56.000**	**127FL4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,948,861:84:0**	
4331	97	130	02:54:56.000	127FL	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,948,861:84:0	
4332	**97**	**130**	**02:54:56.666**	**127FL4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,948,861:85:0**	
4333	97	130	02:55:04.666	127FL11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,948,862:06:0	
4334	97	130	02:55:49.333	175FL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,948,862:73:0	
4335	97	130	02:55:49.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2202.39 +/- 1	2R5	4	1	3,948,862:73:0	
4336	97	130	02:55:50.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2202.51 +/- 1	2R5	4	1	3,948,862:75:1	
4337	97	130	02:55:52.000	117FL	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,948,862:77:0	
4338	97	130	02:55:56.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2203.74 +/- 1	2R5	4	1	3,948,862:83:0	
4339	97	130	02:55:57.200		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2203.80 +/- 1	2R5	4	1	3,948,862:84:8	
4340	97	130	02:55:58.000	175FL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,948,862:86:0	
4341	97	130	02:55:58.600		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2203.68 +/- 1	2R5	4	1	3,948,862:86:9	
4342	97	130	02:55:58.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2203.68 +/- 1	2R5	4	1	3,948,862:86:9	
4343	**97**	**130**	**02:56:01.333**	**G8JNFAB13301-**	**NIMPBK**	**301FM**	**JUPITER FTR AND PRTL TRK A AND B**	**2R5**	**4**	**1**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4344	97	130	02:56:01.333	117FL105A106A4A	7STRP	0.018502,0.0,0,0	Slew =,0.12	2R5	4	1	3,948,863:00:0	
4345	97	130	02:58:37.333	117FL105A106A4B	7STRP	-0.011,0.008,0,0	Slew =,3.01	2R5	4	1	3,948,865:52:0	
4346	97	130	02:58:46.000	117FL105A106A4C	7STRP	0.018502,0.0,0,0	Slew =,0.12	2R5	4	1	3,948,865:65:0	
4347	97	130	03:01:22.000	117FL105A106A4D	7STRP	-0.011,0.008,0,0	Slew =,3.01	2R5	4	1	3,948,868:26:0	
4348	97	130	03:01:30.666	117FL105A106A4E	7STRP	0.018502,0.0,0,0	Slew =,0.12	2R5	4	1	3,948,868:39:0	
4349	**97**	**130**	**03:04:06.000**	**G8JNFAB13301-**	**DESELC**	**300FM**	**JUPITER FTR AND PRTL TRK A AND B**	**2R5**	**4**	**1**	**: :**	
4350	97	130	03:04:06.666	117FL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,948,871:00:0	
4351	**97**	**130**	**03:04:10.733**	**G8JNFAB13301-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4352	97	130	03:04:18.000	175FL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,948,871:17:0	
4353	97	130	03:04:18.000	175FL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,948,871:17:0	
4354	97	130	03:04:18.000		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2086.64 +/- 1	2R5	4	1	3,948,871:17:0	
4355	97	130	03:04:19.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2086.58 +/- 1	2R5	4	1	3,948,871:18:8	
4356	97	130	03:08:23.333	488BM6E	6TMSED	FILL,EL4	Sci, Eng, and D/L Chan	2R5	4	1	3,948,875:21:0	
4357	97	130	03:17:14.666	165FM4A	7SCAN	NORM,79.799999,2	Check S/P Position	2R5	4	1	3,948,883:90:0	
4358	**97**	**130**	**03:17:19.400**	**G8JNFEA13301-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
4359	97	130	03:19:04.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2086.58 +/- 1	2R5	4	1	3,948,885:73:0	
4360	97	130	03:19:04.666	175FM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,948,885:73:0	
4361	97	130	03:19:06.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2086.70 +/- 1	2R5	4	1	3,948,885:75:1	
4362	97	130	03:19:07.333	117FM	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,948,885:77:0	
4363	97	130	03:19:11.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2087.93 +/- 1	2R5	4	1	3,948,885:83:0	
4364	97	130	03:19:12.533		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2087.99 +/- 1	2R5	4	1	3,948,885:84:8	
4365	97	130	03:19:13.333	175FM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,948,885:86:0	
4366	97	130	03:19:13.933		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2087.87 +/- 1	2R5	4	1	3,948,885:86:9	
4367	97	130	03:19:13.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2087.87 +/- 1	2R5	4	1	3,948,885:86:9	
4368	97	130	03:19:16.666	117FM105A106A4A	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	3,948,886:00:0	
4369	**97**	**130**	**03:19:16.666**	**G8JNFEA13301-**	**NIMPBK**	**301FN**	**JUPITER FEATURE TRACK 133 DEG PH**	**2R5**	**4**	**1**	**: :**	
4370	**97**	**130**	**03:20:56.000**	**G8JNFEA13301-**	**DESELC**	**300FN**	**JUPITER FEATURE TRACK 133 DEG PH**	**2R5**	**4**	**1**	**: :**	
4371	97	130	03:20:56.666	117FM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,948,887:59:0	
4372	97	130	03:21:08.000		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2061.14 +/- 1	2R5	4	1	3,948,887:76:0	
4373	97	130	03:21:08.000	175FM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,948,887:76:0	
4374	97	130	03:21:08.000	175FM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,948,887:76:0	
4375	97	130	03:21:09.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2061.08 +/- 1	2R5	4	1	3,948,887:77:8	
4376	**97**	**130**	**03:21:22.066**	**G8JNFEA13301-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4377	97	130	03:42:02.666	488BN6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2R5	4	1	3,948,908:47:0	
4378	97	130	08:57:14.000	488BN6B	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	2R5	4	1	3,949,220:22:0	
4379	97	130	09:20:42.000	488BN6C	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2R5	4	1	3,949,243:41:0	
4380	97	130	10:00:00.000	488BO6A	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R5	4	1	3,949,282:29:0	
4381	97	130	10:18:21.333	488BO6B	6TMSED	FILL,DL4	Sci, Eng, and D/L Chan	2R5	4	1	3,949,300:43:0	
4382	97	130	10:30:10.000	20UK4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2R5	4	1	3,949,312:14:0	
4383	97	130	10:57:00.666	488BO6C	6TMSED	NORM,DL4	Sci, Eng, and D/L Chan	2R5	4	1	3,949,338:64:0	
4384	97	130	14:00:10.000	488BO6D	6TMSED	NORM,DL6	Sci, Eng, and D/L Chan	2R5	4	1	3,949,519:77:0	
4385	97	130	14:38:34.000	488BO6E	6TMSED	NORM,DL7	Sci, Eng, and D/L Chan	2R5	4	1	3,949,557:75:0	
4386	97	130	15:08:52.666	488BP6A	6TMSED	FILL,DL7	Sci, Eng, and D/L Chan	2R5	4	1	3,949,587:73:0	
4387	97	130	15:15:00.000	488BP6B	6TMSED	FILL,HL7	Sci, Eng, and D/L Chan	2R5	4	1	3,949,593:78:0	
4388	97	130	15:38:26.000	488BP6C	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	2R5	4	1	3,949,617:03:0	
4389	97	130	15:46:31.333	488BP6D	6TMSED	FILL,HL7	Sci, Eng, and D/L Chan	2R5	4	1	3,949,625:03:0	
4390	97	130	15:48:58.000	488BP6E	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	2R5	4	1	3,949,627:41:0	
4391	97	130	15:50:38.000	488BQ6A	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	2R5	4	1	3,949,629:09:0	
4392	97	130	16:40:00.000	481UB4A	7VECT		Inert vect update UTC	2R5	4	1	3,949,677:84:0	
4393	97	130	17:35:38.000	488BQ6B	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	2R5	4	1	3,949,732:86:0	
4394	97	130	20:08:21.333	165HS4A	7SCAN	NORM,89.349,25.6	Check S/P Position	2R5	4	1	3,949,883:90:0	
4395	97	130	20:12:15.333	117HS	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,949,887:77:0	
4396	97	130	20:12:24.666	176HS6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	3,949,888:00:0	
4397	97	130	20:12:24.666	117HS105A106A4A	7STRP	0.0011,0.0,0,0,0	Slew =,0.06	2R5	4	1	3,949,888:00:0	
4398	97	130	20:12:46.000	117HS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,949,888:32:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4399	97	130	20:12:58.000	176HS6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,949,888:50:0	
4400	97	130	20:13:00.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2061.08 +/- 1	2R5	4	1	3,949,888:53:0	
4401	97	130	20:13:00.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,949,888:53:0	
4402	97	130	20:13:01.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2061.20 +/- 1	2R5	4	1	3,949,888:55:1	
4403	97	130	20:13:06.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2062.43 +/- 1	2R5	4	1	3,949,888:63:0	
4404	97	130	20:13:07.866		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2062.49 +/- 1	2R5	4	1	3,949,888:64:8	
4405	97	130	20:13:09.266		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *2062.37 +/- 1	2R5	4	1	3,949,888:66:9	
4406	97	130	20:13:10.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2062.20 +/- 1	2R5	4	1	3,949,888:68:0	
4407	97	130	20:13:20.000		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2059.86 +/- 1	2R5	4	1	3,949,888:83:0	
4408	97	130	20:13:20.000	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,949,888:83:0	
4409	97	130	20:13:21.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2059.80 +/- 1	2R5	4	1	3,949,888:84:8	
4410	**97**	**130**	**22:41:06.733**	**G8NNNIMSLD13-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
4411	97	130	22:42:07.266	20EN6A	6CKSUM	NIMS	NIMS,1000,14BC	2R5	4	1	3,950,036:06:0	
4412	**97**	**130**	**22:43:07.933**	**20EN5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R5**	**4**	**1**	**3,950,037:06:0**	
4413	**97**	**130**	**22:44:08.600**	**20EN5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R5**	**4**	**1**	**3,950,038:06:0**	
4414	**97**	**130**	**22:45:09.266**	**20EN6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R5**	**4**	**1**	**3,950,039:06:0**	
4415	**97**	**130**	**22:46:09.933**	**20EN6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R5**	**4**	**1**	**3,950,040:06:0**	
4416	**97**	**130**	**22:47:10.600**	**20EN5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**3,950,041:06:0**	
4417	**97**	**130**	**22:48:11.266**	**20EN5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**3,950,042:06:0**	
4418	**97**	**130**	**22:49:11.933**	**20EN4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**3,950,043:06:0**	
4419	**97**	**130**	**22:51:13.400**	**G8NNNIMSLD13-**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
4420	97	130	22:53:09.933	165FN4A	7SCAN	NORM,95.584999,2	Check S/P Position	2R0	4	0	3,950,046:90:0	
4421	**97**	**130**	**22:53:14.733**	**G8JNFAB14601-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
4422	**97**	**130**	**22:56:07.933**	**127FN4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**3,950,049:84:0**	
4423	97	130	22:56:07.933	127FN	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,950,049:84:0	
4424	**97**	**130**	**22:56:08.600**	**127FN4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**3,950,049:85:0**	
4425	97	130	22:56:16.600	127FN11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	3,950,050:06:0	
4426	97	130	22:57:01.266	175FN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,950,050:73:0	
4427	97	130	22:57:01.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2059.80 +/- 1	2R5	4	1	3,950,050:73:0	
4428	97	130	22:57:02.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2059.92 +/- 1	2R5	4	1	3,950,050:75:1	
4429	97	130	22:57:03.933	117FN	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,950,050:77:0	
4430	97	130	22:57:07.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2061.15 +/- 1	2R5	4	1	3,950,050:83:0	
4431	97	130	22:57:09.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2061.21 +/- 1	2R5	4	1	3,950,050:84:8	
4432	97	130	22:57:09.933	175FN176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,950,050:86:0	
4433	97	130	22:57:10.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2061.09 +/- 1	2R5	4	1	3,950,050:86:9	
4434	97	130	22:57:10.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2061.09 +/- 1	2R5	4	1	3,950,050:86:9	
4435	97	130	22:57:13.266	117FN105A106A4A	7STRP	0.013701,0.0,0,0	Slew =,0.12	2R5	4	1	3,950,051:00:0	
4436	**97**	**130**	**22:57:13.266**	**G8JNFAB14601-**	**NIMPBK**	**301FO**	**JUPITER FTR AND PRTL TRKS A AND**	**2R5**	**4**	**1**	**: :**	
4437	97	130	22:59:08.600	117FN105A106A4B	7STRP	-0.0085,0.008,0,	Slew =,2.61	2R5	4	1	3,950,052:82:0	
4438	97	130	22:59:17.266	117FN105A106A4C	7STRP	0.013701,0.0,0,0	Slew =,0.12	2R5	4	1	3,950,053:04:0	
4439	97	130	22:59:59.933	488BR6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2R5	4	1	3,950,053:68:0	
4440	97	130	23:01:12.600	117FN105A106A4D	7STRP	-0.0085,0.008,0,	Slew =,2.61	2R5	4	1	3,950,054:86:0	
4441	97	130	23:01:21.266	117FN105A106A4E	7STRP	0.013701,0.0,0,0	Slew =,0.12	2R5	4	1	3,950,055:08:0	
4442	**97**	**130**	**23:03:15.933**	**G8JNFAB14601-**	**DESELC**	**300FO**	**JUPITER FTR AND PRTL TRKS A AND**	**2R5**	**4**	**1**	**: :**	
4443	97	130	23:03:16.600	117FN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,950,056:90:0	
4444	**97**	**130**	**23:03:21.400**	**G8JNFAB14601-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4445	97	130	23:03:27.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1972.64 +/- 1	2R5	4	1	3,950,057:16:0	
4446	97	130	23:03:27.933	175FN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,950,057:16:0	
4447	97	130	23:03:27.933	175FN6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,950,057:16:0	
4448	97	130	23:03:29.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1972.58 +/- 1	2R5	4	1	3,950,057:17:8	
4449	97	130	23:12:41.933	488BR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2R5	4	1	3,950,066:28:0	
4450	97	130	23:17:25.933	165FO4A	7SCAN	NORM,94.907,24.1	Check S/P Position	2R5	4	1	3,950,070:90:0	
4451	**97**	**130**	**23:17:30.733**	**G8JNFEA14601-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
4452	97	130	23:19:15.933	175FO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	3,950,072:73:0	
4453	97	130	23:19:15.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1972.58 +/- 1	2R5	4	1	3,950,072:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4454	97	130	23:19:17.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1972.70 +/- 1	2R5	4	1	3,950,072:75:1	
4455	97	130	23:19:18.600	117FO	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	3,950,072:77:0	
4456	97	130	23:19:22.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1973.93 +/- 1	2R5	4	1	3,950,072:83:0	
4457	97	130	23:19:23.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1973.99 +/- 1	2R5	4	1	3,950,072:84:8	
4458	97	130	23:19:24.600	175FO176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	3,950,072:86:0	
4459	97	130	23:19:25.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1973.87 +/- 1	2R5	4	1	3,950,072:86:9	
4460	97	130	23:19:25.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1973.87 +/- 1	2R5	4	1	3,950,072:86:9	
4461	**97**	**130**	**23:19:27.933**	**G8JNFEA14601-**	**NIMPBK**	**301FP**	**JUPITER FEATURE TRACK 146 DEG PH**	**2R5**	**4**	**1**	**: :**	
4462	97	130	23:19:27.933	117FO105A106A4A	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	3,950,073:00:0	
4463	**97**	**130**	**23:21:05.933**	**G8JNFEA14601-**	**DESELC**	**300FP**	**JUPITER FEATURE TRACK 146 DEG PH**	**2R5**	**4**	**1**	**: :**	
4464	97	130	23:21:07.933	117FO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	3,950,074:59:0	
4465	97	130	23:21:09.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1949.48 +/- 1	2R5	4	1	3,950,074:61:0	
4466	97	130	23:21:09.266	175FO6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	3,950,074:61:0	
4467	97	130	23:21:09.266	175FO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	3,950,074:61:0	
4468	97	130	23:21:10.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1949.42 +/- 1	2R5	4	1	3,950,074:62:8	
4469	**97**	**130**	**23:21:33.400**	**G8JNFEA14601-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4470	97	130	23:22:25.266	127FZ	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	3,950,075:84:0	
4471	**97**	**130**	**23:22:25.266**	**127FZ4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**2R0**	**4**	**0**	**3,950,075:84:0**	
4472	**97**	**130**	**23:22:25.933**	**127FZ4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**2R0**	**4**	**0**	**3,950,075:85:0**	
4473	97	130	23:22:33.933	127FZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R0	4	0	3,950,076:06:0	
4474	**97**	**130**	**23:22:34.066**	**G8NNCHOPOF01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
4475	97	130	23:25:27.266	125FZ	NIMSINIT	GS	##### GROUP START INIT	2R0	4	0	3,950,078:84:0	
4476	**97**	**130**	**23:25:27.266**	**125FZ4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**3,950,078:84:0**	
4477	**97**	**130**	**23:26:27.933**	**125FZ4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**3,950,079:84:0**	
4478	97	130	23:27:28.600	125FZ11A	NIMSINIT	GE	##### GROUP END INIT	260	4	0	3,950,080:84:0	
4479	**97**	**130**	**23:27:28.600**	**125FZ4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**2O0**	**4**	**0**	**3,950,080:84:0**	
4480	**97**	**130**	**23:28:38.066**	**G8NNCHOPOF01-**		**-----STOP-------**		**2O0**	**4**	**0**	**: :**	
4481	97	130	23:46:49.933	488BR6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,950,100:06:0	
4482	97	131	01:01:29.933	488BR6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,950,173:83:0	
4483	97	131	01:27:05.933	488BR6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,950,199:21:0	
4484	97	131	01:40:55.933	488BS6A	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,950,212:83:0	
4485	97	131	01:48:25.933	488BS6B	6TMSED	FILL,AL1	Sci, Eng, and D/L Chan	2O0	4	0	3,950,220:30:0	
4486	97	131	01:54:59.933	41SJ99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	2O0	4	0	3,950,226:75:0	
4487	**97**	**131**	**01:56:53.933**	**41SJ3G**	**40T1P**		**1 PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**3,950,228:64:0**	
4488	**97**	**131**	**01:57:03.933**	**41SJ3H**	**40T1P**		**2 PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**3,950,228:79:0**	
4489	**97**	**131**	**01:57:13.933**	**41SJ3I**	**40T2**		**1 PCT Heater 2 ON**	**2O0**	**4**	**0**	**3,950,229:03:0**	
4490	**97**	**131**	**01:57:23.933**	**41SJ3J**	**40T2**		**2 PCT Heater 2 ON**	**2O0**	**4**	**0**	**3,950,229:18:0**	
4491	**97**	**131**	**02:00:13.933**	**20Z6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**2O0**	**4**	**0**	**3,950,232:00:0**	
4492	**97**	**131**	**03:52:25.266**	**20Z6B**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**2O0**	**4**	**0**	**3,950,342:87:0**	
4493	97	131	03:52:25.933	20Z6C	6TMSED	NORM,AH1	Sci, Eng, and D/L Chan	2O0	4	0	3,950,342:88:0	
4494	97	131	04:00:59.933	474AA416A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	2O0	4	0	3,950,351:40:0	
4495	97	131	04:02:59.933	474AA416A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2O0	4	0	3,950,353:38:0	
4496	97	131	04:07:13.933	474AA416A4E	7BURN	343.487499,74.61	ALERT -- Thruster fire	2O0	4	0	3,950,357:55:0	
4497	97	131	05:12:27.933	474AA416A4I	7BURN	343.487499,74.61	ALERT -- Thruster fire	2O0	4	0	3,950,422:11:0	
4498	97	131	06:37:41.933	474AA416A4O	7BURN	343.487499,74.61	ALERT -- Thruster fire	2O0	4	0	3,950,506:38:0	
4499	97	131	09:59:59.933	41SK99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	2O0	4	0	3,950,706:45:0	
4500	**97**	**131**	**10:00:03.933**	**41SK3A**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**3,950,706:51:0**	
4501	**97**	**131**	**10:00:13.933**	**41SK3B**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**3,950,706:66:0**	
4502	**97**	**131**	**10:00:23.933**	**41SK3C**	**40T2R**		**1 PCT Heater 2 OFF**	**2O0**	**4**	**0**	**3,950,706:81:0**	
4503	**97**	**131**	**10:00:33.933**	**41SK3D**	**40T2R**		**2 PCT Heater 2 OFF**	**2O0**	**4**	**0**	**3,950,707:05:0**	
4504	97	131	10:01:13.933	488BT6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,950,707:65:0	
4505	97	131	10:06:19.266	488BT6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,950,712:68:0	
4506	97	131	10:07:59.266	432OM431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	3,950,714:36:0	
4507	97	131	10:07:59.933	432OM6A	6RTSL1		R/T Select of DDS and	2O0	4	0	3,950,714:37:0	
4508	97	131	10:09:35.933	165BL4A	7SCAN	NORM,48.494,20.6	Check S/P Position	2O0	4	0	3,950,715:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4509	97	131	10:18:15.933	488BT6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,950,724:51:0	
4510	97	131	10:51:55.266	488BT6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,950,757:77:0	
4511	97	131	13:53:45.933	488BT6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,950,937:63:0	
4512	97	131	15:42:15.266	488BU6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,951,044:90:0	
4513	97	131	15:44:41.933	488BU6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	3,951,047:37:0	
4514	97	131	15:46:21.933	488BU6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	3,951,049:05:0	
4515	97	131	15:59:59.933		DMS:	: READY	RDY, TRACK 4, REV, TIC 1949.42 +/- 1	2O0	4	0	3,951,062:49:0	
4516	**97**	**131**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**3,951,062:49:1**	
4517	**97**	**131**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**3,951,062:49:1**	
4518	**97**	**131**	**16:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**3,951,062:49:1**	
4519	**97**	**131**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**3,951,062:49:1**	
4520	**97**	**131**	**16:00:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**3,951,062:49:1**	
4521	**97**	**131**	**16:00:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**3,951,062:49:1**	
4522	**97**	**131**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**3,951,062:49:1**	
4523	**97**	**131**	**16:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**3,951,062:49:1**	
4524	**97**	**131**	**16:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**2O0**	**4**	**0**	**3,951,062:49:1**	

			Sequence:	G08B-AR		Created 7/2/97	Begin: 97-131/16:00:00 Finish: 97-173/16:00:00				
Line	**YR**	**DOY**	**SCET - GMT**	**PSID**	**Command**	**Parameters**	**Description**	**GCM**	**GO**	**GS**	**RIM MF I**
1	97	131	15:59:59.933		DMS:	: READY	RDY, TRACK 4, REV, TIC 1945.00 +/- 1	2O0	4	0	3,951,062:49:0
2	**97**	**131**	**16:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**3,951,062:49:1**
3	**97**	**131**	**16:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**2O0**	**4**	**0**	**3,951,062:49:1**
4	**97**	**131**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**3,951,062:49:1**
5	**97**	**131**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**3,951,062:49:1**
6	**97**	**131**	**16:00:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**3,951,062:49:1**
7	**97**	**131**	**16:00:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**3,951,062:49:1**
8	**97**	**131**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**3,951,062:49:1**
9	**97**	**131**	**16:00:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**3,951,062:49:1**
10	**97**	**131**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**3,951,062:49:1**
11	97	131	16:01:45.933	488AA6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	3,951,064:26:0
12	97	131	16:01:59.933	418JA6A	6BUFLO	2	MUB Buffer low water m	2O0	4	0	3,951,064:47:0
13	97	131	16:01:59.933	418JA6B	6BUFHI	10	MUB Buffer high water	2O0	4	0	3,951,064:47:0
14	**97**	**131**	**16:02:27.933**	**432JD6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2O0**	**4**	**0**	**3,951,064:89:0**
15	97	131	16:02:28.600	432JD431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	2O0	4	0	3,951,064:90:0
16	97	131	16:02:29.266	432JD6C	6RTSL1		R/T Select of DDS and	2O0	4	0	3,951,065:00:0
17	**97**	**131**	**16:02:29.266**	**432JD6D**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**2O0**	**4**	**0**	**3,951,065:00:0**
18	97	131	16:04:59.933	444UB443A4A	**7MODE**	**CRU**	**AACS CRUISE MODE**	2O0	4	0	3,951,067:44:0
19	97	131	16:09:59.933	41AH99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	2O0	4	0	3,951,072:39:0
20	**97**	**131**	**16:11:53.933**	**41AH3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**3,951,074:28:0**
21	**97**	**131**	**16:12:03.933**	**41AH3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**3,951,074:43:0**
22	**97**	**131**	**16:12:13.933**	**41AH3I**	**40T2**	**1**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**3,951,074:58:0**
23	**97**	**131**	**16:12:23.933**	**41AH3J**	**40T2**	**2**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**3,951,074:73:0**
24	97	131	16:15:03.933	20WA4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	2O0	4	0	3,951,077:40:0
25	97	131	16:15:53.933	20WA4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	3,951,078:24:0
26	97	131	16:17:39.266	176SA6A	6TMREC	**IPB**	INITIATE PLAYBACK (PB CONTROL) Record Mod	2O0	4	0	3,951,080:00:0
27	97	131	17:47:38.600	176SB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	3,951,169:00:0
28	97	131	17:52:59.933	488AA6C	6TMSED	NORM,AH8	Sci, Eng, and D/L Chan	2O0	4	0	3,951,174:27:0
29	97	131	18:01:59.933	20UQ4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	3,951,183:18:0
30	97	131	18:02:59.933	20UQ4D	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	2O0	4	0	3,951,184:17:0
31	97	131	18:04:59.933	20UQ4E	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2O0	4	0	3,951,186:15:0
32	97	131	18:10:29.933	20UQ4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2O0	4	0	3,951,191:55:0
33	97	131	18:10:30.600	20UQ4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2O0	4	0	3,951,191:56:0
34	97	131	18:10:50.600	20UQ4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2O0	4	0	3,951,191:86:0
35	97	131	18:10:51.266	20UQ4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2O0	4	0	3,951,191:87:0
36	97	131	18:11:11.266	20UQ4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	3,951,192:26:0
37	97	131	18:11:11.933	20UQ4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	3,951,192:27:0
38	97	131	18:11:21.933	20UQ4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	3,951,192:42:0
39	97	131	18:11:22.600	20UQ4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	3,951,192:43:0
40	97	131	18:11:32.600	20UQ4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2O0	4	0	3,951,192:58:0
41	97	131	18:11:33.266	20UQ4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2O0	4	0	3,951,192:59:0
42	97	131	18:13:19.933	20UQ4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2O0	4	0	3,951,194:37:0
43	97	131	18:13:20.600	20UQ4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2O0	4	0	3,951,194:38:0
44	97	131	18:13:40.600	20UQ4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2O0	4	0	3,951,194:68:0
45	97	131	18:13:41.266	20UQ4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2O0	4	0	3,951,194:69:0
46	97	131	18:14:01.266	20UQ4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	3,951,195:08:0
47	97	131	18:14:01.933	20UQ4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	3,951,195:09:0
48	97	131	18:14:11.933	20UQ4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	3,951,195:24:0
49	97	131	18:14:12.600	20UQ4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	3,951,195:25:0
50	97	131	18:14:22.600	20UQ4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2O0	4	0	3,951,195:40:0
51	97	131	18:14:23.266	20UQ4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2O0	4	0	3,951,195:41:0
52	97	131	18:15:19.933	20UQ4Z	**7MODE**	**CRU**	**AACS CRUISE MODE**	2O0	4	0	3,951,196:35:0
53	97	131	18:30:59.266	432OD431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	3,951,211:79:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	97	131	18:30:59.933	432OD6A	6RTSL1		R/T Select of DDS and	2O0	4	0	3,951,211:80:0	
55	97	131	18:43:14.600	165BM4A	7SCAN	NORM,317.743999,	Check S/P Position	2O0	4	0	3,951,223:90:0	
56	97	131	18:47:25.933	20UU4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	2O0	4	0	3,951,228:12:0	
57	97	131	18:47:47.933	432BA6A	6RTSL1		R/T Select of DDS and	2O0	4	0	3,951,228:45:0	
58	97	131	18:48:15.933	20UU4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	3,951,228:87:0	
59	97	131	18:49:19.266	176BB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	3,951,230:00:0	
60	97	131	18:54:28.600	488AA6D	6TMSED	FILL,AH8	Sci, Eng, and D/L Chan	2O0	4	0	3,951,235:09:0	
61	97	131	19:17:53.266	488AA6E	6TMSED	NORM,AH8	Sci, Eng, and D/L Chan	2O0	4	0	3,951,258:23:0	
62	97	131	20:00:59.933	488AB6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	3,951,300:81:0	
63	97	131	23:12:41.933	488AB6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,951,490:44:0	
64	97	131	23:42:33.933	488AB6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,951,520:02:0	
65	97	132	01:01:29.933	488AB6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,951,598:08:0	
66	97	132	01:27:05.933	488AB6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,951,623:37:0	
67	97	132	01:50:33.933	488AC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,951,646:56:0	
68	97	132	02:58:12.533	488AC6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,951,713:47:0	
69	97	132	03:31:51.200	488AC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,951,746:72:0	
70	97	132	08:13:11.200	488AD6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,952,025:03:0	
71	97	132	08:46:50.533	488AD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,952,058:29:0	
72	97	132	08:55:11.866	488AD6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,952,066:53:0	
73	97	132	09:54:49.866	488AD6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,952,125:51:0	
74	97	132	10:09:03.866	488AD6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,952,139:58:0	
75	97	132	13:49:29.866	488AE6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,952,357:59:0	
76	97	132	14:12:39.866	488AE6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,952,380:51:0	
77	97	132	14:15:05.866	488AE6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	3,952,382:88:0	
78	97	132	14:16:45.866	488AE6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	3,952,384:56:0	
79	97	132	23:12:41.866	488AF6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,952,914:60:0	
80	97	132	23:42:33.866	488AF6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,952,944:18:0	
81	97	133	00:57:13.866	488AF6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,953,018:04:0	
82	97	133	01:20:29.200	488AF6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,953,041:04:0	
83	97	133	01:22:49.866	488AF6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,953,043:33:0	
84	97	133	01:35:13.866	488AG6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,953,055:57:0	
85	97	133	01:50:33.866	488AG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,953,070:72:0	
86	97	133	02:53:04.533	488AG6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,953,132:56:0	
87	97	133	03:00:57.866	488AG6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,953,140:38:0	
88	97	133	03:28:05.866	488AG6E	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,953,167:23:0	
89	97	133	03:28:41.866	488AH6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,953,167:77:0	
90	97	133	04:24:00.533	488AH6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	3,953,222:50:0	
91	97	133	04:28:25.866	488AH6C	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2O0	4	0	3,953,226:84:0	
92	97	133	04:57:05.200	488AH6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	3,953,255:24:0	
93	97	133	05:48:05.866	488AH6E	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	2O0	4	0	3,953,305:65:0	
94	97	133	06:16:45.200	488AI6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2O0	4	0	3,953,334:05:0	
95	97	133	06:36:59.866	488AI6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,953,354:07:0	
96	97	133	07:57:29.866	488AI6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,953,433:63:0	
97	97	133	09:10:01.866	488AI6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,953,505:39:0	
98	97	133	10:03:04.466	488AI6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,953,557:81:0	
99	97	133	10:26:49.800	488AJ6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,953,581:35:0	
100	97	133	10:33:32.466	488AJ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,953,588:02:0	
101	97	133	13:45:13.800	488AJ6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,953,777:55:0	
102	97	133	14:12:39.800	488AJ6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,953,804:67:0	
103	97	133	14:15:05.800	488AJ6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	3,953,807:13:0	
104	97	133	14:16:45.800	488AK6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	3,953,808:72:0	
105	97	133	19:34:31.800	41W99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	2O0	4	0	3,954,123:06:0	
106	**97**	**133**	**19:34:35.800**	**41W3A**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**3,954,123:12:0**	
107	**97**	**133**	**19:34:45.800**	**41W3B**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**3,954,123:27:0**	
108	**97**	**133**	**19:34:55.800**	**41W3C**	**40T2R**		**1 PCT Heater 2 OFF**	**2O0**	**4**	**0**	**3,954,123:42:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	**97**	**133**	**19:35:00.000**	**G8NNPCTRLT01-**		**-----START------**		**2O0**	**4**	**0**	**: :**	
110	**97**	**133**	**19:35:05.800**	**41W3D**	**40T2R**		**2 PCT Heater 2 OFF**	**2O0**	**4**	**0**	**3,954,123:57:0**	
111	97	133	23:06:17.800	488AL6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	3,954,332:46:0	
112	97	133	23:36:09.800	488AL6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	3,954,362:04:0	
113	97	134	00:57:13.800	488AL6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	3,954,442:20:0	
114	97	134	01:16:25.800	488AL6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	2O0	4	0	3,954,461:19:0	
115	97	134	01:35:37.800	488AL6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	3,954,480:18:0	
116	97	134	01:38:27.800	176FA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	3,954,483:00:0	
117	97	134	01:41:36.466	444UC443A4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2O0	4	0	3,954,486:10:0	
118	97	134	01:45:36.466	444UC443A4B	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	2O0	4	0	3,954,490:06:0	
119	97	134	01:54:36.466	444UC443A4C	**7CLK**	**17.45,0.0**	**Check S/P Position**	2O0	4	0	3,954,498:88:0	
120	97	134	01:57:35.800	125FT	NIMSINIT	GS	##### GROUP START INIT	2O0	4	0	3,954,501:84:0	
121	**97**	**134**	**01:57:35.800**	**125FT4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**3,954,501:84:0**	
122	**97**	**134**	**01:58:36.466**	**125FT4B**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R0**	**4**	**0**	**3,954,502:84:0**	
123	97	134	01:59:37.133	125FT11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	3,954,503:84:0	
124	**97**	**134**	**01:59:37.133**	**125FT4C**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**3,954,503:84:0**	
125	97	134	02:02:39.133	127FT	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	3,954,506:84:0	
126	**97**	**134**	**02:02:39.133**	**127FT4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**3,954,506:84:0**	
127	**97**	**134**	**02:02:39.800**	**127FT4B**	**37ETB**	**0A,CA,19,FF,C0,1**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**3,954,506:85:0**	
128	97	134	02:02:47.800	127FT11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	3,954,507:06:0	
129	**97**	**134**	**02:03:03.800**	**432EA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**3,954,507:30:0**	
130	**97**	**134**	**02:05:03.800**	**432EB6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,954,509:28:0**	
131	97	134	02:05:45.800	192EQ4A	**7CONE**	**17.0,54.88**	**Check S/P Position**	4R3	4	0	3,954,510:00:0	
132	97	134	02:05:46.466	192EQ4B	**7CLK**	**17.0,244.07**	**Check S/P Position**	4R3	4	0	3,954,510:01:0	
133	**97**	**134**	**02:09:07.800**	**432EC6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**3,954,513:30:0**	
134	**97**	**134**	**02:19:13.133**	**432ED6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**3,954,523:28:0**	
135	97	134	02:19:50.466	127FU	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	3,954,523:84:0	
136	**97**	**134**	**02:19:50.466**	**127FU4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**3,954,523:84:0**	
137	**97**	**134**	**02:19:51.133**	**127FU4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**3,954,523:85:0**	
138	97	134	02:19:59.133	127FU11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	3,954,524:06:0	
139	97	134	02:19:59.133	20FH4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4R0	4	0	3,954,524:06:0	
140	97	134	02:21:51.800	125FV	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	3,954,525:84:0	
141	**97**	**134**	**02:21:51.800**	**125FV4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,954,525:84:0**	
142	**97**	**134**	**02:22:52.466**	**125FV4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**3,954,526:84:0**	
143	**97**	**134**	**02:23:53.133**	**125FV4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4O0**	**4**	**0**	**3,954,527:84:0**	
144	97	134	02:23:53.133	125FV11A	NIMSINIT	GE	##### GROUP END INIT	4O0	4	0	3,954,527:84:0	
145	97	134	02:25:05.133	444UD443A4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	3,954,529:10:0	
146	97	134	02:29:05.133	444UD443A4B	**7MODE**	**CRU**	**AACS CRUISE MODE**	4O0	4	0	3,954,533:06:0	
147	97	134	02:39:11.800	41V99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	4O0	4	0	3,954,543:06:0	
148	**97**	**134**	**02:41:05.800**	**41V3G**	**40T1P**		**1 PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,954,544:86:0**	
149	**97**	**134**	**02:41:15.800**	**41V3H**	**40T1P**		**2 PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**3,954,545:10:0**	
150	**97**	**134**	**02:41:25.800**	**41V3I**	**40T2**		**1 PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,954,545:25:0**	
151	**97**	**134**	**02:41:35.800**	**41V3J**	**40T2**		**2 PCT Heater 2 ON**	**4O0**	**4**	**0**	**3,954,545:40:0**	
152	97	134	02:44:59.133	432OQ431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	3,954,548:72:0	
153	97	134	02:44:59.800	432OQ6A	6RTSL1		R/T Select of DDS and	4O0	4	0	3,954,548:73:0	
154	97	134	02:45:03.800	20UY4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	3,954,548:79:0	
155	97	134	02:45:53.800	20UY4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,954,549:63:0	
156	97	134	02:47:13.133	176EA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	3,954,551:00:0	
157	97	134	02:50:17.800	488AM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,954,554:04:0	
158	**97**	**134**	**03:25:10.000**	**G8NNPCTRLT01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
159	97	134	04:38:30.466	41T99A	**POWER**	**PWR MODE change**	**Change to Calib/Decon Mode**	4O0	4	0	3,954,661:06:0	
160	**97**	**134**	**04:38:34.466**	**41T3I**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,954,661:12:0**	
161	**97**	**134**	**04:38:44.466**	**41T3J**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**3,954,661:27:0**	
162	**97**	**134**	**04:38:54.466**	**41T3K**	**40T2R**		**1 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,954,661:42:0**	
163	**97**	**134**	**04:39:04.466**	**41T3L**	**40T2R**		**2 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**3,954,661:57:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	97	134	04:49:33.800	176XU6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	3,954,672	00:0
165	97	134	04:52:39.800	20XE4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	3,954,675	06:0
166	97	134	04:56:46.466	20US4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	3,954,679	12:0
167	97	134	04:57:36.466	20US4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	3,954,679	87:0
168	97	134	04:59:40.466	176XV6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	3,954,682	00:0
169	**97**	**134**	**05:00:41.133**	**185XE10A3A**	**40HRP**	**1**	**RCT Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,954,683**	**00:0**
170	**97**	**134**	**05:00:46.466**	**185XE10B3A**	**40HRP**	**2**	**RCT Heater ON (primary relay)**	**4O0**	**4**	**0**	**3,954,683**	**08:0**
171	**97**	**134**	**05:38:09.800**	**G8NNRCTRLT01-**		**-----START------**		**4O0**	**4**	**0**	**:**	**:**
172	97	134	08:27:21.800	488AM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	3,954,887	37:0
173	97	134	09:44:09.800	488AN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	3,954,963	33:0
174	97	134	13:45:13.800	488AN6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	3,955,201	71:0
175	97	134	14:08:23.133	488AN6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	3,955,224	62:0
176	97	134	14:10:49.800	488AN6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	3,955,227	09:0
177	97	134	14:12:29.800	488AN6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	3,955,228	68:0
178	97	134	16:55:27.733	125XE	NIMSINIT	GS	##### GROUP START INIT	4O0	4	0	3,955,389	84:0
179	**97**	**134**	**16:55:27.733**	**125XE4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**3,955,389**	**84:0**
180	**97**	**134**	**16:56:28.400**	**125XE4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**4R0**	**4**	**0**	**3,955,390**	**84:0**
181	**97**	**134**	**16:57:29.066**	**125XE4C**	**37IST**	**0,2,0,OFF,0,1,3**	**Gain State 1**	**1R0**	**4**	**0**	**3,955,391**	**84:0**
182	97	134	16:58:29.733	125XE11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	3,955,392	84:0
183	**97**	**134**	**16:58:29.733**	**125XE4D**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,955,392**	**84:0**
184	97	134	17:00:31.066	127XE	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	3,955,394	84:0
185	**97**	**134**	**17:00:31.066**	**127XE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**3,955,394**	**84:0**
186	**97**	**134**	**17:00:31.733**	**127XE4B**	**37ETB**	**0A,CA,18,03,FF,1**	**Loads wavelength edit table**	**1R3**	**4**	**0**	**3,955,394**	**85:0**
187	97	134	17:00:39.733	127XE11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	3,955,395	06:0
188	97	134	17:04:38.400	176XE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1R3	4	0	3,955,399	00:0
189	97	134	17:06:46.400	20UM4A	7SCAN	NORM,311.3,-18.7	Check S/P Position	1R3	4	0	3,955,401	10:0
190	97	134	17:10:42.400	192XE4A	**7CONE**	**17.0,119.7**	**Check S/P Position**	1R3	4	0	3,955,405	00:0
191	**97**	**134**	**17:13:03.733**	**432XE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,955,407**	**30:0**
192	**97**	**134**	**17:14:03.066**	**432XF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,955,408**	**28:0**
193	97	134	17:16:46.400	192XE4B	**7CONE**	**17.0,0.0**	**Check S/P Position**	1R3	4	0	3,955,411	00:0
194	**97**	**134**	**17:19:07.733**	**432XU6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,955,413**	**30:0**
195	**97**	**134**	**17:21:07.733**	**432XV6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,955,415**	**28:0**
196	97	134	17:22:50.400	192XE4C	**7CONE**	**17.0,119.7**	**Check S/P Position**	1R3	4	0	3,955,417	00:0
197	**97**	**134**	**17:24:51.733**	**185XE10C3A**	**40HRPR**	**1**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**3,955,419**	**00:0**
198	**97**	**134**	**17:24:57.066**	**185XE10D3A**	**40HRPR**	**2**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**3,955,419**	**08:0**
199	**97**	**134**	**17:25:11.733**	**432XW6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,955,419**	**30:0**
200	**97**	**134**	**17:26:11.066**	**432XY6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,955,420**	**28:0**
201	97	134	17:28:54.400	192XE4D	**7CONE**	**17.0,153.0**	**Check S/P Position**	1R3	4	0	3,955,423	00:0
202	**97**	**134**	**17:29:50.400**	**127XF4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**1R0**	**4**	**0**	**3,955,423**	**84:0**
203	97	134	17:29:50.400	127XF	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	3,955,423	84:0
204	**97**	**134**	**17:29:51.066**	**127XF4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**1R0**	**4**	**0**	**3,955,423**	**85:0**
205	97	134	17:29:59.066	127XF11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R0	4	0	3,955,424	06:0
206	97	134	17:32:52.400	125XF	NIMSINIT	GS	##### GROUP START INIT	1R0	4	0	3,955,426	84:0
207	**97**	**134**	**17:32:52.400**	**125XF4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,955,426**	**84:0**
208	**97**	**134**	**17:33:53.066**	**125XF4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**3,955,427**	**84:0**
209	97	134	17:34:53.733	125XF11A	NIMSINIT	GE	##### GROUP END INIT	160	4	0	3,955,428	84:0
210	**97**	**134**	**17:34:53.733**	**125XF4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**1O0**	**4**	**0**	**3,955,428**	**84:0**
211	97	134	17:41:06.400	41U99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	1O0	4	0	3,955,435	06:0
212	**97**	**134**	**17:43:00.400**	**41U3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,955,436**	**86:0**
213	**97**	**134**	**17:43:10.400**	**41U3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,955,437**	**10:0**
214	**97**	**134**	**17:43:20.400**	**41U3I**	**40T2**	**1**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,955,437**	**25:0**
215	**97**	**134**	**17:43:30.400**	**41U3J**	**40T2**	**2**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,955,437**	**40:0**
216	97	134	17:51:17.066	20UT4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	3,955,445	12:0
217	97	134	17:52:07.066	20UT4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,955,445	87:0
218	97	134	17:54:11.066	176XF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,955,448	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	97	134	18:00:15.066	176BC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,955,454:00:0	
220	97	134	18:03:16.400	165BN4A	7SCAN	NORM,317.743999,	Check S/P Position	1O0	4	0	3,955,456:90:0	
221	97	134	18:07:28.400	20UW4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	3,955,461:13:0	
222	97	134	18:07:49.733	432BC6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,955,461:45:0	
223	97	134	18:08:18.400	20UW4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,955,461:88:0	
224	97	134	18:09:21.066	176BD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,955,463:00:0	
225	**97**	**134**	**18:53:54.466**	**G8NNRCTRLT01-**		**-----STOP-------**		**1O0**	**4**	**0**	**: :**	
226	97	134	23:02:01.733	488AO6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,955,752:42:0	
227	97	134	23:31:53.733	488AO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,955,782:00:0	
228	97	135	00:52:57.733	488AO6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,955,862:16:0	
229	97	135	01:16:25.733	488AO6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,955,885:35:0	
230	97	135	01:35:37.733	488AO6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,955,904:34:0	
231	97	135	02:50:17.733	488AP6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,955,978:20:0	
232	97	135	08:23:05.733	488AP6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,956,307:33:0	
233	97	135	09:44:09.733	488AQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,956,387:49:0	
234	97	135	13:45:13.733	488AQ6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,956,625:87:0	
235	97	135	14:08:23.066	488AQ6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,956,648:78:0	
236	97	135	14:10:49.733	488AQ6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,956,651:25:0	
237	97	135	14:12:29.733	488AQ6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,956,652:84:0	
238	97	135	20:49:59.733	418JG6B	6BUFHI		6 MUB Buffer high water	1O0	4	0	3,957,046:05:0	
239	97	135	20:49:59.733	418JG6A	6BUFLO		2 MUB Buffer low water m	1O0	4	0	3,957,046:05:0	
240	97	135	21:26:29.733	488AR6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,957,082:14:0	
241	97	135	21:28:09.733	488AR6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,957,083:73:0	
242	97	136	01:10:33.666	488AR6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,957,303:69:0	
243	97	136	01:20:41.666	488AR6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,957,313:71:0	
244	97	136	01:30:00.333	418JH6B	6BUFHI		10 MUB Buffer high water	1O0	4	0	3,957,322:90:0	
245	97	136	01:30:00.333	418JH6A	6BUFLO		2 MUB Buffer low water m	1O0	4	0	3,957,322:90:0	
246	97	136	02:50:17.666	488AR6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,957,402:36:0	
247	97	136	08:16:41.666	488AS6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,957,725:19:0	
248	97	136	08:46:33.666	488AS6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,957,754:68:0	
249	97	136	10:02:45.000	488AS6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,957,830:09:0	
250	97	136	10:36:24.333	488AS6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,957,863:35:0	
251	97	136	10:54:33.666	488AS6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,957,881:31:0	
252	97	136	13:34:33.666	488AT6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,958,039:53:0	
253	97	136	13:40:57.666	488AT6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,958,045:83:0	
254	97	136	14:53:11.666	488AT6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,958,117:32:0	
255	97	136	14:55:37.666	488AT6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,958,119:69:0	
256	97	136	14:57:17.666	488AT6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,958,121:37:0	
257	97	136	18:14:33.000	432BE6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,958,316:45:0	
258	97	136	18:33:57.000	488AU6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,958,335:62:0	
259	97	136	18:57:22.333	488AU6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,958,358:77:0	
260	97	136	22:42:49.666	488AU6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,958,581:75:0	
261	97	136	23:27:37.666	488AU6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,958,626:12:0	
262	97	137	00:42:17.666	488AV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,958,699:89:0	
263	97	137	01:07:53.666	488AV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,958,725:27:0	
264	97	137	02:50:17.666	488AV6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,958,826:52:0	
265	97	137	08:10:17.600	488AW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,959,143:05:0	
266	97	137	09:24:57.600	488AW6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,959,216:82:0	
267	97	137	13:30:17.600	488AW6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,959,459:49:0	
268	97	137	14:01:59.600	488AW6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,959,490:81:0	
269	97	137	14:04:25.600	488AW6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,959,493:27:0	
270	97	137	14:06:05.600	488AX6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,959,494:86:0	
271	97	137	22:32:09.600	488AY6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,959,995:41:0	
272	97	137	23:23:21.600	488AY6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,960,046:08:0	
273	97	138	00:38:01.600	488AY6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,960,119:85:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	97	138	01:01:29.600	488AY6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,960,143:13:0	
275	97	138	01:29:13.600	488AY6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,960,170:52:0	
276	97	138	02:37:34.266	488AZ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,960,238:15:0	
277	97	138	03:11:13.600	488AZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,960,271:41:0	
278	97	138	09:39:53.600	488BA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,960,655:77:0	
279	97	138	10:40:17.600	488BA6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,960,715:53:0	
280	97	138	11:09:23.600	488BA6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,960,744:33:0	
281	97	138	13:30:17.533	488BA6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,960,883:65:0	
282	97	138	14:08:23.533	488BA6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,960,921:36:0	
283	97	138	14:10:49.533	488BB6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,960,923:73:0	
284	97	138	14:12:29.533	488BB6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,960,925:41:0	
285	97	138	22:17:13.533	488BC6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,961,404:78:0	
286	97	138	23:16:57.533	488BC6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,961,463:85:0	
287	97	139	00:31:37.533	488BC6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,961,537:71:0	
288	97	139	01:01:29.533	488BC6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,961,567:29:0	
289	97	139	02:50:17.533	488BC6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,961,674:84:0	
290	97	139	07:53:13.533	488BD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,961,974:48:0	
291	97	139	08:12:25.533	488BD6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,961,993:47:0	
292	97	139	08:35:53.533	488BD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,962,016:66:0	
293	97	139	09:47:25.533	488BD6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,962,087:43:0	
294	97	139	10:21:04.200	488BD6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,962,120:68:0	
295	97	139	11:09:29.533	488BE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,962,168:58:0	
296	97	139	13:26:01.533	488BE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,962,303:61:0	
297	97	139	13:30:17.533	488BE6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,962,307:81:0	
298	97	139	15:03:50.866	488BE6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,962,400:38:0	
299	97	139	15:06:17.533	488BE6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,962,402:76:0	
300	97	139	15:07:57.533	488BF6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,962,404:44:0	
301	97	139	18:23:36.133	488BF6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,962,597:89:0	
302	97	139	18:47:01.466	488BF6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,962,621:13:0	
303	97	139	21:58:01.466	488BG6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,962,810:04:0	
304	97	139	23:16:57.466	488BG6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,962,888:10:0	
305	97	140	00:27:21.466	488BG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,962,957:67:0	
306	97	140	00:57:13.466	488BG6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,962,987:25:0	
307	97	140	01:16:25.466	488BG6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,963,006:24:0	
308	97	140	02:50:17.466	488BH6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,963,099:09:0	
309	97	140	07:46:49.466	488BH6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,963,392:34:0	
310	97	140	09:20:41.466	488BI6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,963,485:19:0	
311	97	140	13:19:37.466	488BI6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,963,721:47:0	
312	97	140	14:08:22.800	488BI6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,963,769:67:0	
313	97	140	14:10:49.466	488BI6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,963,772:14:0	
314	97	140	14:12:29.466	488BI6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,963,773:73:0	
315	97	140	21:36:41.466	488BJ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,964,213:11:0	
316	97	140	23:12:41.466	488BJ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,964,308:06:0	
317	97	141	00:23:05.466	488BJ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,964,377:63:0	
318	97	141	00:48:41.400	488BJ6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,964,403:01:0	
319	97	141	01:05:45.400	488BJ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,964,419:81:0	
320	97	141	02:54:33.400	488BK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,964,527:45:0	
321	97	141	07:38:17.400	488BK6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,964,808:10:0	
322	97	141	08:01:45.400	488BK6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,964,831:29:0	
323	97	141	08:29:29.400	488BK6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,964,858:68:0	
324	97	141	09:42:11.400	488BL6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,964,930:59:0	
325	97	141	10:15:50.733	488BL6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,964,963:85:0	
326	97	141	11:12:31.400	488BL6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,965,019:90:0	
327	97	141	11:13:00.066	488BL6D	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,965,020:42:0	
328	97	141	11:41:10.733	488BL6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,965,048:30:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	97	141	11:41:29.400	488BM6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	3,965,048:58:0	
330	97	141	13:19:37.400	488BM6B	6TMSED	NORM,AH7	Sci, Eng, and D/L Chan	1O0	4	0	3,965,145:63:0	
331	97	141	13:22:44.066	488BM6C	6TMSED	FILL,AH7	Sci, Eng, and D/L Chan	1O0	4	0	3,965,148:70:0	
332	97	141	13:42:16.733	488BM6D	6TMSED	NORM,AH7	Sci, Eng, and D/L Chan	1O0	4	0	3,965,168:09:0	
333	97	141	14:33:02.733	488BM6E	6TMSED	FILL,AH7	Sci, Eng, and D/L Chan	1O0	4	0	3,965,218:28:0	
334	97	141	14:52:35.400	488BN6A	6TMSED	NORM,AH7	Sci, Eng, and D/L Chan	1O0	4	0	3,965,237:58:0	
335	97	141	15:08:07.400	488BN6B	6TMSED	FILL,AH7	Sci, Eng, and D/L Chan	1O0	4	0	3,965,253:00:0	
336	97	141	15:10:33.400	488BN6C	6TMSED	FILL,AH8	Sci, Eng, and D/L Chan	1O0	4	0	3,965,255:37:0	
337	97	141	15:12:13.400	488BN6D	6TMSED	NORM,AH8	Sci, Eng, and D/L Chan	1O0	4	0	3,965,257:05:0	
338	97	141	15:53:24.066	488BN6E	6TMSED	FILL,AH8	Sci, Eng, and D/L Chan	1O0	4	0	3,965,297:71:0	
339	97	141	16:11:48.733	488BO6A	6TMSED	NORM,AH8	Sci, Eng, and D/L Chan	1O0	4	0	3,965,315:90:0	
340	97	141	16:30:00.066	488BO6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,965,333:89:0	
341	97	141	18:18:22.066	488BO6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,965,441:14:0	
342	97	141	18:41:47.400	488BO6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,965,464:29:0	
343	97	141	21:17:29.400	488BO6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,965,618:28:0	
344	97	141	23:08:25.400	488BP6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,965,728:02:0	
345	97	142	00:18:49.400	488BP6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,965,797:59:0	
346	97	142	00:52:57.400	488BP6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,965,831:37:0	
347	97	142	01:10:01.400	488BP6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,965,848:26:0	
348	97	142	02:56:41.400	488BP6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,965,953:71:0	
349	97	142	07:27:37.333	488BQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,966,221:67:0	
350	97	142	08:03:53.333	488BQ6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,966,257:55:0	
351	97	142	08:29:29.333	488BQ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,966,282:84:0	
352	97	142	09:37:04.000	488BQ6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,966,349:69:0	
353	97	142	10:10:43.333	488BQ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,966,383:04:0	
354	97	142	12:00:41.333	488BR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,966,491:73:0	
355	97	142	13:15:21.333	488BR6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,966,565:59:0	
356	97	142	13:19:37.333	488BR6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,966,569:79:0	
357	97	142	15:03:51.333	488BR6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,966,672:87:0	
358	97	142	15:06:17.333	488BR6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,966,675:33:0	
359	97	142	15:07:57.333	488BS6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,966,677:01:0	
360	97	142	18:13:15.333	488BS6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,966,860:25:0	
361	97	142	18:20:33.333	432BG6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,966,867:45:0	
362	97	142	18:36:40.000	488BS6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,966,883:39:0	
363	97	142	20:51:53.333	488BS6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,967,017:15:0	
364	97	142	23:02:01.333	488BT6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,967,145:79:0	
365	97	143	00:12:25.333	488BT6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,967,215:45:0	
366	97	143	00:48:41.333	488BT6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,967,251:33:0	
367	97	143	01:10:01.333	488BT6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,967,272:42:0	
368	97	143	03:00:57.333	488BT6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,967,382:16:0	
369	97	143	07:16:57.333	488BU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,967,635:33:0	
370	97	143	09:20:41.333	488BU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,967,757:67:0	
371	97	143	13:11:05.333	488BU6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,967,985:55:0	
372	97	143	14:12:39.266	488BV6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,968,046:45:0	
373	97	143	14:15:05.266	488BV6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,968,048:82:0	
374	97	143	14:16:45.266	488BV6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,968,050:50:0	
375	97	143	20:28:25.266	488BW6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,968,418:12:0	
376	97	143	22:57:45.266	488BW6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,968,565:75:0	
377	97	144	00:08:09.266	488BW6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,968,635:41:0	
378	97	144	00:42:17.266	488BW6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,968,669:19:0	
379	97	144	01:16:25.266	488BW6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,968,702:88:0	
380	97	144	02:11:51.933	488BX6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,968,757:73:0	
381	97	144	02:45:31.266	488BX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,968,791:08:0	
382	97	144	09:16:25.266	488BY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,969,177:63:0	
383	97	144	09:24:36.600	488BY6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,969,185:72:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	97	144	09:53:42.600	488BY6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,969,214:52:0	
385	97	144	13:11:05.266	488BY6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,969,409:71:0	
386	97	144	14:12:38.600	488BY6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,969,470:60:0	
387	97	144	14:15:05.266	488BZ6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,969,473:07:0	
388	97	144	14:16:45.266	488BZ6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,969,474:66:0	
389	97	144	17:07:53.266	488BZ6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,969,643:89:0	
390	97	144	17:28:54.600	488BZ6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,969,664:70:0	
391	97	144	17:31:21.266	488BZ6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,969,667:17:0	
392	97	144	17:33:01.266	488CA6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,969,668:76:0	
393	97	144	20:09:13.200	488CA6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,969,823:29:0	
394	97	144	22:57:45.200	488CA6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,969,990:00:0	
395	97	145	00:08:09.200	488CB6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,970,059:57:0	
396	97	145	00:38:01.200	488CB6B	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,970,089:15:0	
397	97	145	00:57:13.200	488CB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,970,108:14:0	
398	97	145	02:56:41.200	488CB6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,970,226:28:0	
399	97	145	05:22:28.533	488CB6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,970,370:45:0	
400	97	145	07:08:25.200	488CC6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,970,475:25:0	
401	97	145	09:10:01.200	488CC6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,970,595:49:0	
402	97	145	13:06:49.200	488CC6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,970,829:67:0	
403	97	145	14:10:49.200	488CD6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,970,893:03:0	
404	97	145	17:03:37.200	488CD6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,971,063:85:0	
405	97	145	17:27:05.200	488CD6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,971,087:13:0	
406	97	145	20:13:29.200	488CE6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,971,251:65:0	
407	97	145	22:53:29.200	488CE6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,971,409:87:0	
408	97	146	00:03:53.200	488CE6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,971,479:53:0	
409	97	146	00:38:01.200	488CE6D	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,971,513:31:0	
410	97	146	00:55:05.200	488CE6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,971,530:20:0	
411	97	146	02:50:17.133	488CF6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,971,644:14:0	
412	97	146	07:08:25.133	488CF6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,971,899:41:0	
413	97	146	07:42:33.133	488CF6C	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,971,933:19:0	
414	97	146	08:10:17.133	488CF6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,971,960:58:0	
415	97	146	08:57:09.800	488CG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,972,007:00:0	
416	97	146	09:21:35.133	488CG6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,972,031:14:0	
417	97	146	09:55:14.466	488CG6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,972,064:40:0	
418	97	146	10:57:29.133	432MD6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,972,126:00:0	
419	97	146	12:11:21.133	488CG6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,972,199:05:0	
420	97	146	12:43:21.133	488CG6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,972,230:64:0	
421	97	146	13:00:25.133	488CH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,972,247:53:0	
422	97	146	13:06:49.133	488CH6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,972,253:83:0	
423	97	146	14:48:55.133	488CH6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,972,354:81:0	
424	97	146	14:51:21.133	488CH6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,972,357:27:0	
425	97	146	14:53:01.133	488CH6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,972,358:86:0	
426	97	146	17:57:46.466	488CI6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,972,541:61:0	
427	97	146	18:21:11.133	488CI6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,972,564:75:0	
428	97	146	20:28:25.133	488CI6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,972,690:60:0	
429	97	146	22:49:13.133	488CI6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,972,829:83:0	
430	97	146	23:57:29.133	488CI6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,972,897:39:0	
431	97	147	00:33:45.133	488CJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,972,933:27:0	
432	97	147	00:36:50.466	488CJ6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,972,936:32:0	
433	97	147	01:05:30.466	488CJ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,972,964:64:0	
434	97	147	02:41:45.133	488CJ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,973,059:81:0	
435	97	147	07:08:25.133	488CK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,973,323:57:0	
436	97	147	07:41:54.466	488CK6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,973,356:68:0	
437	97	147	08:57:33.800	488CK6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,973,431:52:0	
438	97	147	09:16:25.066	488CK6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,973,450:20:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	97	147	12:56:09.066	488CK6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,973,667:49:0	
440	97	147	13:53:27.066	488CL6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,973,724:19:0	
441	97	147	13:55:53.066	488CL6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,973,726:56:0	
442	97	147	13:57:33.066	488CL6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,973,728:24:0	
443	97	147	20:47:37.066	488CM6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,974,133:75:0	
444	97	147	22:49:13.066	488CM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,974,254:08:0	
445	97	147	23:59:37.066	488CM6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,974,323:65:0	
446	97	148	00:29:29.066	488CM6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,974,353:23:0	
447	97	148	00:50:49.066	488CM6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,974,374:32:0	
448	97	148	02:31:05.066	488CN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,974,473:47:0	
449	97	148	07:12:41.066	488CN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,974,752:02:0	
450	97	148	07:38:17.066	488CN6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,974,777:31:0	
451	97	148	08:01:45.066	488CN6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,974,800:50:0	
452	97	148	09:16:20.400	488CO6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,974,874:29:0	
453	97	148	09:49:59.733	488CO6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,974,907:55:0	
454	97	148	11:00:57.066	488CO6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,974,977:71:0	
455	97	148	13:00:25.066	488CO6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,975,095:85:0	
456	97	148	14:44:38.400	488CO6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,975,199:01:0	
457	97	148	14:47:05.066	488CP6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,975,201:39:0	
458	97	148	14:48:45.066	488CP6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,975,203:07:0	
459	97	148	17:52:32.333	488CP6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,975,384:77:0	
460	97	148	18:15:57.000	488CP6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,975,408:00:0	
461	97	148	18:26:33.666	432BI6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,975,418:45:0	
462	97	148	21:13:13.000	488CQ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,975,583:29:0	
463	97	148	22:42:49.000	488CQ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,975,671:85:0	
464	97	148	23:59:37.000	488CQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,975,747:81:0	
465	97	149	00:23:05.000	488CQ6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,975,771:09:0	
466	97	149	00:42:17.000	488CQ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,975,790:08:0	
467	97	149	02:16:09.000	488CR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,975,882:84:0	
468	97	149	07:19:05.000	488CR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,976,182:48:0	
469	97	149	08:46:33.000	488CS6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,976,269:03:0	
470	97	149	12:51:53.000	488CS6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,976,511:61:0	
471	97	149	13:29:58.333	488CS6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,976,549:31:0	
472	97	149	13:32:25.000	488CS6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,976,551:69:0	
473	97	149	13:34:05.000	488CS6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,976,553:37:0	
474	97	149	21:28:09.000	488CT6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,977,022:24:0	
475	97	149	22:38:32.933	488CT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,977,091:81:0	
476	97	149	23:53:12.933	488CT6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,977,165:67:0	
477	97	150	00:23:04.933	488CT6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,977,195:25:0	
478	97	150	00:42:16.933	488CT6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,977,214:24:0	
479	97	150	02:07:36.933	488CU6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,977,298:60:0	
480	97	150	07:23:20.933	488CU6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,977,610:84:0	
481	97	150	08:35:52.933	488CV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,977,682:60:0	
482	97	150	12:21:00.266	488CV6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	3,977,905:28:0	
483	97	150	12:26:45.600	176SC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,977,911:00:0	
484	97	150	12:32:49.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 1945.00 +/- 1	1O0	4	0	3,977,917:00:0	
485	97	150	12:32:49.600		DMS:	: *SLEW-TIC	P7, TRACK *1, *FWD, TIC 1945.00 +/- 1	1O0	4	0	3,977,917:00:0	
486	97	150	12:32:49.600	465WK6A	6DMST	5000	DMS Slew to TIC	1O0	4	0	3,977,917:00:0	
487	97	150	12:32:56.266		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 1945.00 +/- 1	1O0	4	0	3,977,917:10:0	
488	97	150	12:32:57.666		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *1945.12 +/- 1	1O0	4	0	3,977,917:12:1	
489	97	150	12:47:36.933	488CV6C	6TMSED	NORM,AH7	Sci, Eng, and D/L Chan	1O0	4	0	3,977,931:57:0	
490	97	150	13:19:18.933	488CV6D	6TMSED	FILL,AH7	Sci, Eng, and D/L Chan	1O0	4	0	3,977,962:89:0	
491	97	150	13:21:44.933	488CV6E	6TMSED	FILL,AH8	Sci, Eng, and D/L Chan	1O0	4	0	3,977,965:35:0	
492	97	150	13:23:24.933	488CW6A	6TMSED	NORM,AH8	Sci, Eng, and D/L Chan	1O0	4	0	3,977,967:03:0	
493	97	150	16:10:02.400		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/- 1	1O0	4	0	3,978,131:75:2	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	97	150	16:10:03.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/- 1	1O0	4	0	3,978,131:77:0	
495	97	150	18:26:30.933	465WL6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	3,978,266:73:0	
496	97	150	18:26:30.933		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/- 1	1O0	4	0	3,978,266:73:0	
497	97	150	18:26:32.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/- 1	1O0	4	0	3,978,266:75:1	
498	97	150	18:26:37.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/- 1	1O0	4	0	3,978,266:83:0	
499	97	150	18:26:38.800		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/- 1	1O0	4	0	3,978,266:84:8	
500	97	150	18:26:42.666		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/- 1	1O0	4	0	3,978,266:90:6	
501	97	150	18:26:42.666		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/- 1	1O0	4	0	3,978,266:90:6	
502	97	150	18:52:22.933	465WL6B	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	3,978,292:35:0	
503	97	150	18:52:22.933		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/- 1	1O0	4	0	3,978,292:35:0	
504	97	150	18:52:24.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/- 1	1O0	4	0	3,978,292:36:8	
505	97	150	20:50:10.933		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/- 1	1O0	4	0	3,978,408:81:0	
506	97	150	20:50:10.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/- 1	1O0	4	0	3,978,408:81:0	
507	97	150	20:50:10.933	465WM6A	6DTRN	CMD,6DTRN,465WM6	DMS TRACK TURNAROUND	1O0	4	0	3,978,408:81:0	
508	97	150	20:50:12.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/- 1	1O0	4	0	3,978,408:83:1	
509	97	150	20:50:17.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/- 1	1O0	4	0	3,978,409:00:0	
510	97	150	20:50:18.800		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/- 1	1O0	4	0	3,978,409:01:8	
511	97	150	20:50:20.200		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/- 1	1O0	4	0	3,978,409:03:9	
512	97	150	20:54:20.866		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/- 1	1O0	4	0	3,978,413:00:9	
513	97	150	20:54:22.066		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/- 1	1O0	4	0	3,978,413:02:7	
514	97	150	20:54:22.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/- 1	1O0	4	0	3,978,413:02:7	
515	97	150	20:54:23.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	1O0	4	0	3,978,413:04:8	
516	97	150	20:54:35.466		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	1O0	4	0	3,978,413:22:8	
517	97	150	20:54:36.666		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	1O0	4	0	3,978,413:24:6	
518	97	150	21:00:13.600	465WN6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	1O0	4	0	3,978,418:75:0	
519	97	150	21:00:13.600		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	3,978,418:75:0	
520	97	150	21:00:20.266		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	3,978,418:85:0	
521	97	150	21:00:24.133		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	1O0	4	0	3,978,418:90:8	
522	97	150	21:00:24.133		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	1O0	4	0	3,978,418:90:8	
523	97	150	21:32:07.600		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	1O0	4	0	3,978,450:34:0	
524	97	150	21:32:07.600	465WN6B	6DMSC	RDY,1	DMS Control Tape stop	1O0	4	0	3,978,450:34:0	
525	97	150	21:32:08.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	1O0	4	0	3,978,450:35:8	
526	97	150	21:47:43.600		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	1O0	4	0	3,978,465:73:0	
527	97	150	21:47:43.600	465WO6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	1O0	4	0	3,978,465:73:0	
528	97	150	21:47:45.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	1O0	4	0	3,978,465:75:1	
529	97	150	21:47:50.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	1O0	4	0	3,978,465:83:0	
530	97	150	21:47:51.466		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	1O0	4	0	3,978,465:84:8	
531	97	150	21:47:55.333		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	1O0	4	0	3,978,465:90:6	
532	97	150	21:47:55.333		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	1O0	4	0	3,978,465:90:6	
533	97	150	21:49:28.933	488CX6A	6TMSED	NORM,AH7	Sci, Eng, and D/L Chan	1O0	4	0	3,978,467:49:0	
534	97	150	22:19:51.600		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	1O0	4	0	3,978,497:53:0	
535	97	150	22:19:51.600	465WP6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	3,978,497:53:0	
536	97	150	22:19:52.800		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	1O0	4	0	3,978,497:54:8	
537	97	150	22:19:56.666		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	1O0	4	0	3,978,497:60:6	
538	97	150	22:19:56.666		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	1O0	4	0	3,978,497:60:6	
539	97	150	22:34:16.933	488CX6B	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	1O0	4	0	3,978,511:77:0	
540	97	150	22:51:52.266	465WP6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	3,978,529:22:0	
541	97	150	22:51:52.266		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	1O0	4	0	3,978,529:22:0	
542	97	150	22:51:53.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	1O0	4	0	3,978,529:23:8	
543	97	150	23:06:35.600	465WQ6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	3,978,543:73:0	
544	97	150	23:06:35.600		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	1O0	4	0	3,978,543:73:0	
545	97	150	23:06:37.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	1O0	4	0	3,978,543:75:1	
546	97	150	23:06:42.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	1O0	4	0	3,978,543:83:0	
547	97	150	23:06:43.466		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	1O0	4	0	3,978,543:84:8	
548	97	150	23:06:47.333		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	1O0	4	0	3,978,543:90:6	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	97	150	23:06:47.333		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	1O0	4	0	3,978,543:90:6	
550	97	150	23:38:42.933		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	1O0	4	0	3,978,575:52:0	
551	97	150	23:38:42.933	465WR6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	3,978,575:52:0	
552	97	150	23:38:44.133		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	1O0	4	0	3,978,575:53:8	
553	97	150	23:38:48.000		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	1O0	4	0	3,978,575:59:6	
554	97	150	23:38:48.000		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	1O0	4	0	3,978,575:59:6	
555	97	150	23:39:48.933		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	1O0	4	0	3,978,576:60:0	
556	97	150	23:39:48.933	465WR6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	3,978,576:60:0	
557	97	150	23:39:50.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	1O0	4	0	3,978,576:61:8	
558	97	150	23:53:12.933	488CX6C	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	3,978,589:83:0	
559	97	150	23:54:18.933	465WS6A	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	3,978,591:00:0	
560	97	150	23:54:18.933		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	1O0	4	0	3,978,591:00:0	
561	97	150	23:55:12.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	1O0	4	0	3,978,591:81:0	
562	97	150	23:55:12.933		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	1O0	4	0	3,978,591:81:0	
563	97	150	23:55:12.933	465WT6A	6DTRN	CMD,6DTRN,465WT6	DMS TRACK TURNAROUND	1O0	4	0	3,978,591:81:0	
564	97	150	23:55:14.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	1O0	4	0	3,978,591:83:1	
565	97	150	23:55:19.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	1O0	4	0	3,978,592:00:0	
566	97	150	23:55:20.800		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	1O0	4	0	3,978,592:01:8	
567	97	150	23:55:22.200		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	1O0	4	0	3,978,592:03:9	
568	97	151	00:06:48.000		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	1O0	4	0	3,978,603:31:6	
569	97	151	00:06:49.200		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	1O0	4	0	3,978,603:33:4	
570	97	151	00:06:49.200		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	1O0	4	0	3,978,603:33:4	
571	97	151	00:06:50.600		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	1O0	4	0	3,978,603:35:5	
572	97	151	00:07:02.600		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	1O0	4	0	3,978,603:53:5	
573	97	151	00:07:03.800		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	1O0	4	0	3,978,603:55:3	
574	97	151	00:18:26.266	20UP4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	3,978,614:78:0	
575	97	151	00:18:48.933	488CX6D	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,978,615:21:0	
576	97	151	00:19:16.266	20UP4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,978,615:62:0	
577	97	151	00:20:00.266	488CX6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,978,616:37:0	
578	97	151	00:20:36.266	176SD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,978,617:00:0	
579	97	151	01:52:40.933	488CY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,978,708:06:0	
580	97	151	07:29:44.866	488CY6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,979,041:39:0	
581	97	151	08:31:36.866	488CZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,979,102:56:0	
582	97	151	12:47:36.866	488CZ6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,979,355:73:0	
583	97	151	13:08:38.866	488CZ6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,979,376:55:0	
584	97	151	13:11:04.866	488CZ6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,979,379:01:0	
585	97	151	13:12:44.866	488CZ6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,979,380:60:0	
586	97	151	21:58:00.866	488DA6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,979,900:14:0	
587	97	151	22:30:00.866	488DA6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,979,931:73:0	
588	97	151	23:53:12.866	488DA6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,980,014:08:0	
589	97	152	00:14:32.866	488DA6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,980,035:17:0	
590	97	152	00:33:44.866	488DA6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,980,054:16:0	
591	97	152	01:40:53.533	488DB6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,980,120:53:0	
592	97	152	02:14:32.200	488DB6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,980,153:78:0	
593	97	152	08:20:56.866	488DC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,980,516:22:0	
594	97	152	08:53:37.533	488DC6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,980,548:51:0	
595	97	152	09:22:43.533	488DC6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,980,577:31:0	
596	97	152	12:41:12.800	488DC6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,980,773:59:0	
597	97	152	12:53:42.800	488DC6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,980,786:01:0	
598	97	152	12:56:08.800	488DD6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,980,788:38:0	
599	97	152	12:57:48.800	488DD6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,980,790:06:0	
600	97	152	22:08:40.800	488DE6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,981,334:80:0	
601	97	152	22:30:00.800	488DE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,981,355:89:0	
602	97	152	23:53:12.800	488DE6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,981,438:24:0	
603	97	153	00:14:32.800	488DE6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,981,459:33:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	97	153	00:35:52.800	488DE6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,981,480	42:0
605	97	153	01:40:46.133	488DF6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,981,544	58:0
606	97	153	02:14:25.466	488DF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,981,577	84:0
607	97	153	04:26:16.800	488DF6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,981,708	30:0
608	97	153	04:39:04.800	488DF6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,981,720	90:0
609	97	153	08:45:43.466	488DG6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,981,964	84:0
610	97	153	09:20:40.800	488DG6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,981,999	45:0
611	97	153	09:26:35.466	488DG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,982,005	31:0
612	97	153	12:36:56.800	488DG6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,982,193	55:0
613	97	153	13:19:18.133	488DG6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,982,235	45:0
614	97	153	13:21:44.800	488DH6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,982,237	83:0
615	97	153	13:23:24.800	488DH6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,982,239	51:0
616	97	153	17:31:55.466	488DH6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,982,485	31:0
617	97	153	17:55:20.066	488DH6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,982,508	45:0
618	97	153	18:47:24.733	176SH6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,982,560	00:0
619	97	153	18:53:00.066	488DH6E	6TMSED	NORM,AH8	Sci, Eng, and D/L Chan	1O0	4	0	3,982,565	48:0
620	97	153	19:02:00.066	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,982,574	39:0
621	97	153	19:03:00.066	20UR4D	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	1O0	4	0	3,982,575	38:0
622	97	153	19:05:00.066	20UR4E	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	3,982,577	36:0
623	97	153	19:10:30.066	20UR4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	1O0	4	0	3,982,582	76:0
624	97	153	19:10:30.733	20UR4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	1O0	4	0	3,982,582	77:0
625	97	153	19:10:50.733	20UR4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	1O0	4	0	3,982,583	16:0
626	97	153	19:10:51.400	20UR4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	1O0	4	0	3,982,583	17:0
627	97	153	19:11:11.400	20UR4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	3,982,583	47:0
628	97	153	19:11:12.066	20UR4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	3,982,583	48:0
629	97	153	19:11:22.066	20UR4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	3,982,583	63:0
630	97	153	19:11:22.733	20UR4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	3,982,583	64:0
631	97	153	19:11:32.733	20UR4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	1O0	4	0	3,982,583	79:0
632	97	153	19:11:33.400	20UR4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	1O0	4	0	3,982,583	80:0
633	97	153	19:13:20.066	20UR4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	1O0	4	0	3,982,585	58:0
634	97	153	19:13:20.733	20UR4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	1O0	4	0	3,982,585	59:0
635	97	153	19:13:40.733	20UR4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	1O0	4	0	3,982,585	89:0
636	97	153	19:13:41.400	20UR4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	1O0	4	0	3,982,585	90:0
637	97	153	19:14:01.400	20UR4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	3,982,586	29:0
638	97	153	19:14:02.066	20UR4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	3,982,586	30:0
639	97	153	19:14:12.066	20UR4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	3,982,586	45:0
640	97	153	19:14:12.733	20UR4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	3,982,586	46:0
641	97	153	19:14:22.733	20UR4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	1O0	4	0	3,982,586	61:0
642	97	153	19:14:23.400	20UR4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	1O0	4	0	3,982,586	62:0
643	97	153	19:15:20.066	20UR4Z	**7MODE**	**CRU**	**AACS CRUISE MODE**	1O0	4	0	3,982,587	56:0
644	97	153	19:30:59.400	432OH431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	3,982,603	09:0
645	97	153	19:31:00.066	432OH6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,982,603	10:0
646	97	153	19:40:04.066	20WF4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	3,982,612	07:0
647	97	153	19:40:54.066	20WF4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,982,612	82:0
648	97	153	19:42:00.733	176SI6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,982,614	00:0
649	97	153	21:05:00.066	488DI6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,982,696	07:0
650	97	153	22:19:20.733	488DI6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,982,769	55:0
651	97	153	22:23:36.733	488DI6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,982,773	75:0
652	97	153	23:53:12.733	488DI6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,982,862	40:0
653	97	154	00:00:00.066	418JC6A	6BUFLO	2	MUB Buffer low water m	1O0	4	0	3,982,869	14:0
654	97	154	00:00:00.066	418JC6B	6BUFHI	10	MUB Buffer high water	1O0	4	0	3,982,869	14:0
655	97	154	00:03:52.733	488DI6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,982,872	90:0
656	97	154	01:16:24.733	488DJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,982,944	66:0
657	97	154	02:53:00.066	488DJ6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	3,983,040	23:0
658	97	154	02:54:46.066	176SF6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,983,042	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	97	154	03:30:00.066	474AA416A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	1O0	4	0	3,983,076	77:0
660	97	154	03:32:00.066	474AA416A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	3,983,078	75:0
661	97	154	03:36:14.066	474AA416A4E	7BURN	Z,243.209799,36.	ALERT -- Thruster fire	1O0	4	0	3,983,083	01:0
662	97	154	03:59:47.400	474AA416A4G	7BURN	AT,243.209799,36	ALERT -- Thruster fire	1O0	4	0	3,983,106	28:0
663	97	154	05:04:29.400	474AA416A4N	**7MODE**	**CRU**	**AACS CRUISE MODE**	1O0	4	0	3,983,170	27:0
664	97	154	07:23:20.733	488DK6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	3,983,307	57:0
665	97	154	08:00:00.066	488DK6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,983,343	80:0
666	97	154	08:02:04.066	20SZ4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	3,983,345	84:0
667	97	154	08:02:54.066	20SZ4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,983,346	68:0
668	97	154	08:03:09.400	176SQ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,983,347	00:0
669	97	154	08:09:59.400	432OB431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	3,983,353	69:0
670	97	154	08:10:00.066	432OB6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,983,353	70:0
671	97	154	08:24:23.400	176SR6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,983,368	00:0
672	97	154	08:27:24.733	165BO4A	7SCAN	NORM,317.743999,	Check S/P Position	1O0	4	0	3,983,370	90:0
673	97	154	08:31:37.400	20UX4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	3,983,375	14:0
674	97	154	08:31:58.066	432BK6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,983,375	45:0
675	97	154	08:32:27.400	20UX4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,983,375	89:0
676	97	154	08:33:29.400	176BF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,983,377	00:0
677	97	154	08:51:17.400	488DK6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,983,394	55:0
678	97	154	08:57:12.733	488DK6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,983,400	42:0
679	97	154	09:22:28.733	488DK6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,983,425	41:0
680	97	154	12:32:40.733	488DL6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,983,613	51:0
681	97	154	13:04:22.066	488DL6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,983,644	82:0
682	97	154	13:06:48.733	488DL6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,983,647	29:0
683	97	154	13:08:28.733	488DL6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,983,648	88:0
684	97	154	17:26:47.400	488DL6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,983,904	40:0
685	97	154	17:50:12.066	488DM6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,983,927	54:0
686	97	154	20:00:40.066	20ZZ6D	6MROH	4,5889,0,A2	read from HLM1A4,5889,0,A2	1O0	4	0	3,984,056	57:0
687	97	154	20:10:50.066	20ZZ6E	6MROH	5,5889,0,B2	read from HLM1B5,5889,0,B2	1O0	4	0	3,984,066	62:0
688	97	154	22:19:20.733	488DM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,984,193	71:0
689	97	154	23:48:56.733	488DM6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,984,282	36:0
690	97	154	23:59:36.733	488DN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,984,292	86:0
691	97	155	01:07:52.666	488DN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,984,360	42:0
692	97	155	07:14:48.666	488DO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,984,723	33:0
693	97	155	07:57:28.666	488DO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,984,765	51:0
694	97	155	09:46:16.666	488DO6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,984,873	15:0
695	97	155	12:26:16.666	488DO6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,985,031	37:0
696	97	155	12:30:14.666	488DO6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,985,035	30:0
697	97	155	12:32:40.666	488DP6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,985,037	67:0
698	97	155	12:34:20.666	488DP6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,985,039	35:0
699	97	155	16:12:51.333	432BM6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,985,255	45:0
700	97	155	22:19:20.666	488DQ6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,985,617	87:0
701	97	155	23:48:56.666	488DQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,985,706	52:0
702	97	155	23:55:20.666	488DQ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,985,712	82:0
703	97	156	00:57:12.666	488DQ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,985,774	08:0
704	97	156	07:25:28.600	488DR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,986,158	08:0
705	97	156	07:53:12.600	488DR6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,986,185	47:0
706	97	156	09:27:04.600	488DR6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,986,278	32:0
707	97	156	12:28:51.266	488DR6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,986,458	12:0
708	97	156	12:32:40.600	488DR6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,986,461	83:0
709	97	156	12:34:20.600	488DS6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,986,463	51:0
710	97	156	16:48:40.600	488DS6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,986,715	09:0
711	97	156	16:50:35.933	176SL6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,986,717	00:0
712	97	156	16:52:59.933	488DS6C	6TMSED	NORM,BA6	Sci, Eng, and D/L Chan	1O0	4	0	3,986,719	34:0
713	97	156	17:02:59.933	20CA4F	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	3,986,729	24:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	97	156	17:06:59.933	20CA4G	7STAT	17.45,0.0,90.0	Stator inertial point	1O0	4	0	3,986,733:20:0	
715	97	156	21:01:00.600	488DT6A	6TMSED	NORM,BL6	Sci, Eng, and D/L Chan	1O0	4	0	3,986,964:60:0	
716	97	156	21:01:59.933	488DT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,986,965:58:0	
717	97	156	21:02:59.266	488DT6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,986,966:56:0	
718	97	156	21:05:03.933	20WM4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	3,986,968:61:0	
719	97	156	21:05:53.933	20WM4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,986,969:45:0	
720	97	156	21:06:48.600	488DT6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,986,970:36:0	
721	97	156	21:07:25.266	176SP6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,986,971:00:0	
722	97	156	21:08:28.600	488DT6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,986,972:04:0	
723	97	156	21:18:09.266	488DU6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,986,981:56:0	
724	97	156	21:19:36.600	488DU6B	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,986,983:05:0	
725	97	156	23:53:04.600	488DU6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	3,987,134:76:0	
726	97	157	00:01:44.600	488DU6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,987,143:37:0	
727	97	157	01:25:15.933	488DU6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,987,226:01:0	
728	97	157	01:58:55.266	488DV6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,987,259:27:0	
729	97	157	02:03:20.600	488DV6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,987,263:61:0	
730	97	157	03:02:21.933	31B6C	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,987,322:04:0	
731	97	157	03:05:21.933	31B4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	3,987,325:01:0	
732	97	157	03:32:17.933	31E4A	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,987,351:59:0	
733	97	157	03:34:21.933	31E6C	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,987,353:63:0	
734	97	157	03:36:27.933	31F6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,987,355:70:0	
735	97	157	03:38:37.933	31G6A	6MROH	8,7F4E,1,B2	read from AACSB8,7F4E,1,B2	1O0	4	0	3,987,357:83:0	
736	97	157	03:51:57.933	31G6B	6MROH	8,3871,0,B2	read from AACSB8,3871,0,B2	1O0	4	0	3,987,371:09:0	
737	97	157	03:58:37.933	31G6C	6MROH	8,7415,0,B2	read from AACSB8,7415,0,B2	1O0	4	0	3,987,377:63:0	
738	97	157	04:05:17.933	31G6D	6MROH	5,5800,0,B2	read from HLM1B5,5800,0,B2	1O0	4	0	3,987,384:26:0	
739	97	157	04:14:01.933	31H6A	6MROH	7,7F4E,1,A2	read from AACSA7,7F4E,1,A2	1O0	4	0	3,987,392:84:0	
740	97	157	04:27:21.933	31H6B	6MROH	7,3871,0,A2	read from AACSA7,3871,0,A2	1O0	4	0	3,987,406:10:0	
741	97	157	04:34:01.933	31H6C	6MROH	7,7415,0,A2	read from AACSA7,7415,0,A2	1O0	4	0	3,987,412:64:0	
742	97	157	04:40:41.933	31H6D	6MROH	4,5800,0,A2	read from HLM1A4,5800,0,A2	1O0	4	0	3,987,419:27:0	
743	97	157	06:40:40.600	488DV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,987,537:87:0	
744	97	157	07:38:25.266	41TA99A	**POWER**	**PWR MODE change**	**Change to Calib/Decon Mode**	1O0	4	0	3,987,595:06:0	
745	**97**	**157**	**07:38:25.266**	**G8NNRCTRLT02-**		**-----START------**		**1O0**	**4**	**0**	**: :**	
746	**97**	**157**	**07:38:29.266**	**41TA3I**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,987,595:12:0**	
747	**97**	**157**	**07:38:39.266**	**41TA3J**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**3,987,595:27:0**	
748	**97**	**157**	**07:38:49.266**	**41TA3K**	**40T2R**		**1 PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,987,595:42:0**	
749	**97**	**157**	**07:38:59.266**	**41TA3L**	**40T2R**		**2 PCT Heater 2 OFF**	**1O0**	**4**	**0**	**3,987,595:57:0**	
750	97	157	07:42:32.600	488DV6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,987,599:13:0	
751	97	157	07:49:28.600	176XI6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,987,606:00:0	
752	97	157	07:52:34.600	20XG4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	3,987,609:06:0	
753	97	157	07:56:41.266	20ST4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	3,987,613:12:0	
754	97	157	07:57:31.266	20ST4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,987,613:87:0	
755	97	157	07:59:35.266	176YE6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,987,616:00:0	
756	**97**	**157**	**08:00:35.933**	**185XG10A3A**	**40HRP**		**1 RCT Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,987,617:00:0**	
757	**97**	**157**	**08:00:41.266**	**185XG10B3A**	**40HRP**		**2 RCT Heater ON (primary relay)**	**1O0**	**4**	**0**	**3,987,617:08:0**	
758	97	157	08:32:59.266	488DW6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,987,649:03:0	
759	97	157	09:02:05.933	488DW6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,987,677:75:0	
760	97	157	09:07:52.600	488DW6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,987,683:49:0	
761	97	157	12:18:11.266	488DW6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,987,871:69:0	
762	97	157	12:22:00.600	488DW6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,987,875:49:0	
763	97	157	12:23:40.600	488DX6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,987,877:17:0	
764	97	157	19:55:22.533	125XG	NIMSINIT	GS	##### GROUP START INIT	1O0	4	0	3,988,323:84:0	
765	**97**	**157**	**19:55:22.533**	**125XG4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**3,988,323:84:0**	
766	**97**	**157**	**19:56:23.200**	**125XG4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**1R0**	**4**	**0**	**3,988,324:84:0**	
767	**97**	**157**	**19:57:23.866**	**125XG4C**	**37IST**	**0,2,0,OFF,0,1,3**	**Gain State 1**	**1R0**	**4**	**0**	**3,988,325:84:0**	
768	97	157	19:58:24.533	125XG11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	3,988,326:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	**97**	**157**	**19:58:24.533**	**125XG4D**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,988,326:84:0**	
770	**97**	**157**	**20:00:25.866**	**127XG4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**3,988,328:84:0**	
771	97	157	20:00:25.866	127XG	NIMSTAB	GS	%%%%% GROUP START TAB	1R3	4	0	3,988,328:84:0	
772	**97**	**157**	**20:00:26.533**	**127XG4B**	**37ETB**	**0A,CA,18,03,FF,1**	**Loads wavelength edit table**	**1R3**	**4**	**0**	**3,988,328:85:0**	
773	97	157	20:00:34.533	127XG11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	3,988,329:06:0	
774	97	157	20:04:33.200	176XG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1R3	4	0	3,988,333:00:0	
775	97	157	20:06:41.200	20UN4A	7SCAN	NORM,313.6,-18.1	Check S/P Position	1R3	4	0	3,988,335:10:0	
776	97	157	20:10:37.200	192XG4A	**7CONE**	**17.0,119.7**	**Check S/P Position**	1R3	4	0	3,988,339:00:0	
777	**97**	**157**	**20:12:58.533**	**432XG6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,988,341:30:0**	
778	**97**	**157**	**20:13:57.866**	**432XH6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,988,342:28:0**	
779	97	157	20:16:41.200	192XG4B	**7CONE**	**17.0,0.0**	**Check S/P Position**	1R3	4	0	3,988,345:00:0	
780	**97**	**157**	**20:19:02.533**	**432XI6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,988,347:30:0**	
781	**97**	**157**	**20:21:02.533**	**432YE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,988,349:28:0**	
782	97	157	20:22:45.200	192XG4C	**7CONE**	**17.0,119.7**	**Check S/P Position**	1R3	4	0	3,988,351:00:0	
783	**97**	**157**	**20:24:46.533**	**185XG10C3A**	**40HRPR**	**1**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**3,988,353:00:0**	
784	**97**	**157**	**20:24:51.866**	**185XG10D3A**	**40HRPR**	**2**	**RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**3,988,353:08:0**	
785	**97**	**157**	**20:25:06.533**	**432YF6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**3,988,353:30:0**	
786	**97**	**157**	**20:26:05.866**	**432ZE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**3,988,354:28:0**	
787	97	157	20:28:49.200	192XG4D	**7CONE**	**17.0,153.0**	**Check S/P Position**	1R3	4	0	3,988,357:00:0	
788	**97**	**157**	**20:29:45.200**	**127XH4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**1R0**	**4**	**0**	**3,988,357:84:0**	
789	97	157	20:29:45.200	127XH	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	3,988,357:84:0	
790	**97**	**157**	**20:29:45.866**	**127XH4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**1R0**	**4**	**0**	**3,988,357:85:0**	
791	97	157	20:29:53.866	127XH11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R0	4	0	3,988,358:06:0	
792	**97**	**157**	**20:32:47.200**	**125XH4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**3,988,360:84:0**	
793	97	157	20:32:47.200	125XH	NIMSINIT	GS	##### GROUP START INIT	1R0	4	0	3,988,360:84:0	
794	**97**	**157**	**20:33:47.866**	**125XH4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**3,988,361:84:0**	
795	**97**	**157**	**20:34:48.533**	**125XH4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**1O0**	**4**	**0**	**3,988,362:84:0**	
796	97	157	20:34:48.533	125XH11A	NIMSINIT	GE	##### GROUP END INIT	1O0	4	0	3,988,362:84:0	
797	97	157	20:41:01.200	41VA99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	1O0	4	0	3,988,369:06:0	
798	**97**	**157**	**20:42:55.200**	**41VA3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,988,370:86:0**	
799	**97**	**157**	**20:43:05.200**	**41VA3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**3,988,371:10:0**	
800	**97**	**157**	**20:43:15.200**	**41VA3I**	**40T2**	**1**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,988,371:25:0**	
801	**97**	**157**	**20:43:25.200**	**41VA3J**	**40T2**	**2**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**3,988,371:40:0**	
802	97	157	20:51:11.866	20SU4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	3,988,379:12:0	
803	97	157	20:52:01.866	20SU4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,988,379:87:0	
804	97	157	20:54:05.866	176XH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,988,382:00:0	
805	**97**	**157**	**20:54:09.932**	**G8NNRCTRLT02-**		**-----STOP-------**		**1O0**	**4**	**0**	**: :**	
806	97	157	22:10:48.533	488DY6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,988,457:79:0	
807	97	157	22:15:04.533	488DY6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,988,462:08:0	
808	97	157	23:44:40.533	488DY6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,988,550:64:0	
809	97	158	00:42:16.533	488DY6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,988,607:61:0	
810	97	158	02:29:47.200	176BG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	3,988,714:00:0	
811	97	158	02:32:48.533	165BP4A	7SCAN	NORM,317.743999,	Check S/P Position	1O0	4	0	3,988,716:90:0	
812	97	158	02:37:01.200	20SP4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	3,988,721:14:0	
813	97	158	02:37:21.866	432BO6A	6RTSL1		R/T Select of DDS and	1O0	4	0	3,988,721:45:0	
814	97	158	02:37:51.200	20SP4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	3,988,721:89:0	
815	97	158	02:38:53.200	176BH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	3,988,723:00:0	
816	97	158	06:59:52.533	488DZ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,988,981:11:0	
817	97	158	07:38:16.533	488DZ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,989,019:09:0	
818	97	158	08:52:56.533	488DZ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,989,092:86:0	
819	97	158	12:17:44.533	488DZ6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,989,295:45:0	
820	97	158	12:19:33.866	488DZ6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,989,297:27:0	
821	97	158	12:22:00.533	488EA6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,989,299:65:0	
822	97	158	12:23:40.533	488EA6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,989,301:33:0	
823	97	158	22:04:24.466	488EB6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,989,875:65:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	97	158	22:19:20.466	488EB6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,989,890:44:0	
825	97	158	23:44:40.466	488EB6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,989,974:80:0	
826	97	159	00:33:44.466	488EB6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,990,023:37:0	
827	97	159	03:07:20.466	488EB6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,990,175:29:0	
828	97	159	05:15:20.466	488EC6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,990,301:83:0	
829	97	159	06:55:36.466	488EC6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,990,401:07:0	
830	97	159	07:31:52.466	488EC6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,990,436:86:0	
831	97	159	08:42:16.466	488EC6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,990,506:52:0	
832	97	159	12:13:28.466	488ED6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,990,715:41:0	
833	97	159	12:15:17.800	488ED6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,990,717:23:0	
834	97	159	12:17:44.466	488ED6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,990,719:61:0	
835	97	159	12:19:24.466	488ED6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,990,721:29:0	
836	97	159	22:00:08.466	488EE6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,991,295:61:0	
837	97	159	22:19:20.466	488EE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,991,314:60:0	
838	97	159	23:40:24.466	488EE6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,991,394:76:0	
839	97	160	01:09:53.133	488EE6D	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,991,483:30:0	
840	97	160	01:33:28.466	488EE6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,991,506:60:0	
841	97	160	01:40:17.800	488EF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,991,513:37:0	
842	97	160	06:55:36.400	488EF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,991,825:23:0	
843	97	160	07:27:36.400	488EF6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,991,856:82:0	
844	97	160	08:22:37.733	488EG6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,991,911:29:0	
845	97	160	08:44:24.400	488EG6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,991,932:78:0	
846	97	160	08:49:59.066	488EG6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,991,938:34:0	
847	97	160	12:09:39.066	488EG6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,992,135:77:0	
848	97	160	12:13:28.400	488EG6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,992,139:57:0	
849	97	160	12:15:08.400	488EH6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,992,141:25:0	
850	97	160	22:00:08.400	488EI6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,992,719:77:0	
851	97	160	22:25:44.400	488EI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,992,745:15:0	
852	97	160	23:40:24.400	488EI6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,992,819:01:0	
853	97	161	00:18:48.400	488EI6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,992,856:90:0	
854	97	161	02:22:32.400	488EI6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,992,979:33:0	
855	97	161	05:49:28.400	488EJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,993,184:02:0	
856	97	161	06:56:25.066	488EJ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,993,250:21:0	
857	97	161	08:07:31.066	488EJ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,993,320:50:0	
858	97	161	08:23:04.400	488EJ6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,993,335:85:0	
859	97	161	12:03:15.000	488EK6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,993,553:63:0	
860	97	161	12:07:04.333	488EK6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,993,557:43:0	
861	97	161	12:08:44.333	488EK6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,993,559:11:0	
862	97	161	21:55:52.333	488EL6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,994,139:73:0	
863	97	161	22:25:44.333	488EL6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,994,169:31:0	
864	97	161	23:29:44.333	488EL6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,994,232:58:0	
865	97	162	00:12:24.333	488EL6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,994,274:76:0	
866	97	162	02:03:20.333	488EL6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,994,384:50:0	
867	97	162	05:55:52.333	488EM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,994,614:48:0	
868	97	162	06:44:56.333	488EM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,994,663:05:0	
869	97	162	07:42:32.333	488EM6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,994,720:02:0	
870	97	162	08:22:22.333	488EM6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,994,759:38:0	
871	97	162	08:51:28.333	488EM6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,994,788:18:0	
872	97	162	11:57:35.666	488EN6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,994,972:25:0	
873	97	162	12:02:48.333	488EN6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,994,977:39:0	
874	97	162	12:04:28.333	488EN6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,994,979:07:0	
875	97	162	16:55:47.600	488EN6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,995,267:18:0	
876	97	162	17:19:12.266	488EN6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,995,290:32:0	
877	97	162	21:49:28.266	488EO6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,995,557:59:0	
878	97	162	22:25:44.266	488EO6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,995,593:47:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters		Description	GCM	GO	GS	RIM	MF I
879	97	162	23:25:28.266	488EO6C	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,995,652:54:0	
880	97	163	00:08:08.266	488EO6D	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	1O0	4	0	3,995,694:72:0	
881	97	163	01:52:40.266	488EO6E	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	1O0	4	0	3,995,798:16:0	
882	97	163	06:00:08.266	488EP6A	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	1O0	4	0	3,996,042:84:0	
883	97	163	06:44:56.266	488EP6B	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,996,087:21:0	
884	97	163	07:08:24.266	488EP6C	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	1O0	4	0	3,996,110:40:0	
885	97	163	08:08:08.266	488EP6D	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	1O0	4	0	3,996,169:47:0	
886	97	163	11:54:42.933	488EP6E	6TMSED	FILL,AL6		Sci, Eng, and D/L Chan	1O0	4	0	3,996,393:55:0	
887	97	163	11:58:32.266	488EQ6A	6TMSED	FILL,AL8		Sci, Eng, and D/L Chan	1O0	4	0	3,996,397:35:0	
888	97	163	12:00:12.266	488EQ6B	6TMSED	NORM,AL8		Sci, Eng, and D/L Chan	1O0	4	0	3,996,399:03:0	
889	97	163	21:45:12.266	488ER6A	6TMSED	NORM,AL7		Sci, Eng, and D/L Chan	1O0	4	0	3,996,977:55:0	
890	97	163	22:25:44.200	488ER6B	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	1O0	4	0	3,997,017:63:0	
891	97	163	23:29:44.200	488ER6C	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,997,080:90:0	
892	97	164	00:44:24.200	488ER6D	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	1O0	4	0	3,997,154:76:0	
893	97	164	00:57:09.533	488ER6E	6TMSED	FILL,AL5		Sci, Eng, and D/L Chan	1O0	4	0	3,997,167:41:0	
894	97	164	01:26:15.533	488ES6A	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	1O0	4	0	3,997,196:21:0	
895	97	164	02:43:22.200	432BQ6A	6RTSL1			R/T Select of DDS and	1O0	4	0	3,997,272:45:0	
896	97	164	06:40:40.200	488ES6B	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,997,507:17:0	
897	97	164	07:27:36.200	488ET6A	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	1O0	4	0	3,997,553:55:0	
898	97	164	08:07:07.533	488ET6B	6TMSED	FILL,AL5		Sci, Eng, and D/L Chan	1O0	4	0	3,997,592:63:0	
899	97	164	08:41:13.533	488ET6C	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	1O0	4	0	3,997,626:38:0	
900	97	164	10:37:28.200	488ET6D	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	1O0	4	0	3,997,741:35:0	
901	97	164	11:54:16.200	488ET6E	6TMSED	NORM,AL7		Sci, Eng, and D/L Chan	1O0	4	0	3,997,817:31:0	
902	97	164	11:56:06.200	488EU6A	6TMSED	FILL,AL7		Sci, Eng, and D/L Chan	1O0	4	0	3,997,819:14:0	
903	97	164	11:58:32.200	488EU6B	6TMSED	FILL,AL8		Sci, Eng, and D/L Chan	1O0	4	0	3,997,821:51:0	
904	97	164	12:00:12.200	488EU6C	6TMSED	NORM,AL8		Sci, Eng, and D/L Chan	1O0	4	0	3,997,823:19:0	
905	97	164	14:43:28.866	31O6A	6MROH	44,76F0,4,A2		read from LLM2A44,76F0,4,A2	1O0	4	0	3,997,984:63:0	
906	97	164	14:45:28.866	31O6B	6MROH	44,78F0,2,A2		read from LLM2A44,78F0,2,A2	1O0	4	0	3,997,986:61:0	
907	97	164	16:45:32.200	488EU6D	6TMSED	FILL,AL8		Sci, Eng, and D/L Chan	1O0	4	0	3,998,105:37:0	
908	97	164	17:08:56.866	488EU6E	6TMSED	NORM,AL8		Sci, Eng, and D/L Chan	1O0	4	0	3,998,128:51:0	
909	97	164	19:42:03.533	31P6A	6TMREC	**TPB**		TERMINATE PLAYBACK (PB CONTROL) Record Mo	1O0	4	0	3,998,279:90:0	
910	97	164	19:52:10.200	31P6B	6DMSC	RDY,2		DMS Control Tape stop	1O0	4	0	3,998,289:90:0	
911	97	164	19:52:10.200		DMS:	: READY		RDY, TRACK *2, *REV, TIC 202.12 +/-	1O0	4	0	3,998,289:90:0	
912	97	164	19:52:20.200	31P6C	6DMST		848	DMS Slew to TIC	1O0	4	0	3,998,290:14:0	
913	97	164	19:52:20.200		DMS:	: *SLEW-TIC		P7, TRACK *1, *FWD, TIC 202.12 +/-	1O0	4	0	3,998,290:14:0	
914	97	164	19:52:20.200		DMS:	: *E4-DELAY		RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	3,998,290:14:0	
915	97	164	19:52:26.866		DMS:	: *RUNUP		P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	3,998,290:24:0	
916	97	164	19:52:28.266		DMS:	: *AT_SPD		P7, TRACK 1, FWD, TIC * 202.24 +/-	1O0	4	0	3,998,290:26:1	
917	97	164	19:54:57.533	31Q6A	6MROH	44,76F0,4,A2		read from LLM2A44,76F0,4,A2	1O0	4	0	3,998,292:68:0	
918	97	164	19:56:57.533	31Q6B	6MROH	44,78F0,2,A2		read from LLM2A44,78F0,2,A2	1O0	4	0	3,998,294:66:0	
919	97	164	20:38:13.666		DMS:	: *RUNDOWN		P7, TRACK 1, FWD, TIC * 845.94 +/-	1O0	4	0	3,998,335:49:2	
920	97	164	20:38:14.866		DMS:	: *READY		RDY, TRACK 1, FWD, TIC * 846.00 +/-	1O0	4	0	3,998,335:51:0	
921	97	164	21:40:56.200	488EV6A	6TMSED	NORM,AL7		Sci, Eng, and D/L Chan	1O0	4	0	3,998,397:51:0	
922	97	164	22:21:28.200	488EV6B	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	1O0	4	0	3,998,437:59:0	
923	97	164	23:14:48.200	488EV6C	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,998,490:36:0	
924	97	164	23:57:28.200	488EV6D	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	1O0	4	0	3,998,532:54:0	
925	97	165	01:23:03.533		DMS:	: READY		RDY, TRACK *2, *REV, TIC 846.00 +/-	1O0	4	0	3,998,617:22:0	
926	97	165	01:23:03.533	32A6A	6DMSC	RDY,2		DMS Control Tape stop	1O0	4	0	3,998,617:22:0	
927	97	165	01:29:12.200	488EV6E	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	1O0	4	0	3,998,623:29:0	
928	97	165	01:40:04.200	31S6C	6TMREC	**IPB**		INITIATE PLAYBACK (PB CONTROL) Record Mod	1O0	4	0	3,998,634:06:0	
929	97	165	02:10:29.533	31T6A	6RTSL1			R/T Select of DDS and	1O0	4	0	3,998,664:14:0	
930	97	165	06:10:48.133	488EW6A	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	1O0	4	0	3,998,901:75:0	
931	97	165	06:36:24.133	488EW6B	6TMSED	NORM,AL4		Sci, Eng, and D/L Chan	1O0	4	0	3,998,927:13:0	
932	97	165	06:59:52.133	488EW6C	6TMSED	NORM,AL5		Sci, Eng, and D/L Chan	1O0	4	0	3,998,950:32:0	
933	97	165	07:53:12.133	488EW6D	6TMSED	NORM,AL6		Sci, Eng, and D/L Chan	1O0	4	0	3,999,003:09:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	97	165	11:50:26.800	488EW6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,999,237:67:0	
935	97	165	11:54:16.133	488EX6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,999,241:47:0	
936	97	165	11:55:56.133	488EX6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	3,999,243:15:0	
937	97	165	21:40:56.133	488EY6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	3,999,821:67:0	
938	97	165	22:21:28.133	488EY6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	3,999,861:75:0	
939	97	165	23:21:12.133	488EY6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	3,999,920:82:0	
940	97	166	00:29:28.133	488EY6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	3,999,988:38:0	
941	97	166	00:51:54.800	488EY6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,000,010:56:0	
942	97	166	01:21:00.800	488EZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,000,039:36:0	
943	97	166	06:30:00.133	488EZ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,000,344:90:0	
944	97	166	06:53:28.133	488EZ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,000,368:18:0	
945	97	166	07:44:40.133	488FA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,000,418:76:0	
946	97	166	07:58:14.800	488FA6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,000,432:24:0	
947	97	166	08:25:04.133	488FA6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,000,458:72:0	
948	97	166	11:44:02.733	488FA6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,000,655:53:0	
949	97	166	11:47:52.066	488FA6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,000,659:33:0	
950	97	166	11:49:32.066	488FB6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,000,661:01:0	
951	**97**	**166**	**16:00:22.733**	**G8NNOPCAL_01-**		**-----START------**		**1O0**	**4**	**0**	**: :**	
952	**97**	**166**	**16:05:15.400**	**125DN4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**4,000,913:84:0**	
953	97	166	16:05:15.400	125DN	NIMSINIT	GS	##### GROUP START INIT	160	4	0	4,000,913:84:0	
954	97	166	16:06:16.066	125DN11A	NIMSINIT	GE	##### GROUP END INIT	160	4	0	4,000,914:84:0	
955	**97**	**166**	**16:06:16.066**	**125DN4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**1R0**	**4**	**0**	**4,000,914:84:0**	
956	**97**	**166**	**16:10:18.733**	**125DA4A**	**37IST**	**0,0,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,000,918:84:0**	
957	97	166	16:10:18.733	125DA	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,000,918:84:0	
958	97	166	16:11:19.400	125DA11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,000,919:84:0	
959	**97**	**166**	**16:11:19.400**	**125DA4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**4,000,919:84:0**	
960	**97**	**166**	**16:14:21.400**	**127DA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,000,922:84:0**	
961	97	166	16:14:21.400	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,000,922:84:0	
962	**97**	**166**	**16:14:22.066**	**127DA4B**	**37ETB**	**07,C7,31,87,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,000,922:85:0**	
963	97	166	16:14:32.066	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,000,923:09:0	
964	**97**	**166**	**16:15:46.733**	**432DA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,000,924:30:0**	
965	**97**	**166**	**16:16:22.733**	**125DI4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**4,000,924:84:0**	
966	97	166	16:16:22.733	125DI	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,000,924:84:0	
967	97	166	16:16:22.733	125DI11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,000,924:84:0	
968	97	166	16:18:24.066	125DJ	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,000,926:84:0	
969	**97**	**166**	**16:18:24.066**	**125DJ4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**4,000,926:84:0**	
970	97	166	16:18:24.066	125DJ11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,000,926:84:0	
971	**97**	**166**	**16:18:47.400**	**432DI6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,000,927:28:0**	
972	97	166	16:19:24.733	125EU11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,000,927:84:0	
973	97	166	16:19:24.733	125EU	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,000,927:84:0	
974	**97**	**166**	**16:19:24.733**	**125EU4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,000,927:84:0**	
975	**97**	**166**	**16:20:25.400**	**127DX4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**4,000,928:84:0**	
976	97	166	16:20:25.400	127DX	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,000,928:84:0	
977	**97**	**166**	**16:20:26.066**	**127DX4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**4,000,928:85:0**	
978	97	166	16:20:36.066	127DX11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	4,000,929:09:0	
979	97	166	16:21:26.066	125FZ	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,000,929:84:0	
980	**97**	**166**	**16:21:26.066**	**125FZ4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**4,000,929:84:0**	
981	97	166	16:22:26.733	125FZ11A	NIMSINIT	GE	##### GROUP END INIT	460	4	0	4,000,930:84:0	
982	**97**	**166**	**16:22:26.733**	**125FZ4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**4,000,930:84:0**	
983	**97**	**166**	**16:22:37.400**	**G8NNOPCAL_01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
984	97	166	21:36:40.066	488FC6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,001,241:63:0	
985	97	166	22:21:28.066	488FC6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,001,286:00:0	
986	97	166	23:10:32.066	488FC6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,001,334:48:0	
987	97	166	23:48:56.066	488FC6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,001,372:46:0	
988	97	167	01:07:52.066	488FC6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,001,450:52:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	97	167	06:10:48.066	488FD6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,001,750:16:0	
990	97	167	06:25:44.066	488FD6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,001,764:86:0	
991	97	167	06:49:12.066	488FD6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,001,788:14:0	
992	97	167	07:38:16.066	488FD6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,001,836:62:0	
993	97	167	11:39:46.733	488FD6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,002,075:49:0	
994	97	167	11:43:36.066	488FE6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,002,079:29:0	
995	97	167	11:45:16.066	488FE6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,002,080:88:0	
996	97	167	21:30:16.000	488FF6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,002,659:49:0	
997	97	167	22:21:28.000	488FF6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,002,710:16:0	
998	97	167	23:10:32.000	488FF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,002,758:64:0	
999	97	167	23:44:40.000	488FF6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,002,792:42:0	
1000	97	168	01:03:36.000	488FF6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,002,870:48:0	
1001	97	168	06:10:48.000	488FG6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,003,174:32:0	
1002	97	168	06:25:44.000	488FG6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,003,189:11:0	
1003	97	168	07:08:24.000	488FG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,003,231:29:0	
1004	97	168	07:56:36.666	488FG6D	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,003,279:00:0	
1005	97	168	08:25:42.666	488FG6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,003,307:71:0	
1006	97	168	09:18:32.000	488FH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,003,360:02:0	
1007	97	168	11:39:20.000	488FH6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,003,499:25:0	
1008	97	168	11:41:09.333	488FH6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,003,501:07:0	
1009	97	168	11:43:36.000	488FH6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,003,503:45:0	
1010	97	168	11:45:16.000	488FH6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,003,505:13:0	
1011	97	168	16:30:01.333	488FI6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,003,786:70:0	
1012	97	168	16:53:26.000	488FI6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,003,809:84:0	
1013	97	168	21:26:00.000	488FI6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,004,079:45:0	
1014	97	168	22:17:12.000	488FI6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,004,130:12:0	
1015	97	168	23:06:16.000	488FJ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,004,178:60:0	
1016	97	169	00:08:08.000	488FJ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,004,239:77:0	
1017	97	169	00:36:31.266	488FJ6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,004,267:84:0	
1018	97	169	01:05:37.933	488FJ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,004,296:65:0	
1019	97	169	02:54:59.933	41CH99A	**POWER**	**PWR MODE change**	**Change to Calib/Decon Mode**	4O0	4	0	4,004,404:80:0	
1020	**97**	**169**	**02:55:03.933**	**41CH3I**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,004,404:86:0**	
1021	**97**	**169**	**02:55:13.933**	**41CH3J**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,004,405:10:0**	
1022	**97**	**169**	**02:55:23.933**	**41CH3K**	**40T2R**		**1 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,004,405:25:0**	
1023	**97**	**169**	**02:55:33.933**	**41CH3L**	**40T2R**		**2 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,004,405:40:0**	
1024	97	169	06:21:27.933	488FK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,004,609:07:0	
1025	97	169	07:04:07.933	488FK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,004,651:25:0	
1026	97	169	07:46:29.266	488FK6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,004,693:15:0	
1027	97	169	08:20:35.933	488FK6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,004,726:82:0	
1028	**97**	**169**	**08:37:00.000**	**G8NNDET3AN01-**		**-----START------**		**4O0**	**4**	**0**	**: :**	
1029	**97**	**169**	**08:38:01.290**	**31CA3A**	**37AR**		**1 NIMS Power OFF**				**4,004,744:20:0**	
1030	**97**	**169**	**08:38:09.290**	**31CA3B**	**37AR**		**2 NIMS Power OFF**				**4,004,744:32:0**	
1031	**97**	**169**	**08:38:17.290**	**31CA3C**	**37H**		**1 Replacement Heaters ON**				**4,004,744:44:0**	
1032	**97**	**169**	**08:38:25.290**	**31CA3D**	**37H**		**2 Replacement Heaters ON**				**4,004,744:56:0**	
1033	**97**	**169**	**09:38:25.290**	**31CA3E**	**37HR**		**1 Replacement Heaters OFF**				**4,004,803:87:0**	
1034	**97**	**169**	**09:38:33.290**	**31CA3F**	**37HR**		**2 Replacement Heaters OFF**				**4,004,804:08:0**	
1035	**97**	**169**	**09:38:41.290**	**31CA3G**	**37A**		**1 NIMS Power ON**	**260**	**4**	**0**	**4,004,804:20:0**	
1036	**97**	**169**	**09:38:49.290**	**31CA3H**	**37A**		**2 NIMS Power ON**	**260**	**4**	**0**	**4,004,804:32:0**	
1037	**97**	**169**	**09:39:49.957**	**31CA5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**260**	**4**	**0**	**4,004,805:32:0**	
1038	**97**	**169**	**09:40:50.624**	**31CA5B**	**37MRL**		**Memory Realocate (software operates from R**	**260**	**4**	**0**	**4,004,806:32:0**	
1039	**97**	**169**	**09:41:51.290**	**31CA6A**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**260**	**4**	**0**	**4,004,807:32:0**	
1040	**97**	**169**	**09:42:18.624**	**31CA6B**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**260**	**4**	**0**	**4,004,807:73:0**	
1041	**97**	**169**	**09:42:39.290**	**31CA5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,004,808:13:0**	
1042	**97**	**169**	**09:43:39.957**	**31CA5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,004,809:13:0**	
1043	**97**	**169**	**09:46:55.290**	**31CB4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**4,004,812:33:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	**97**	**169**	**09:47:55.957**	**31CB4B**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R0**	**4**	**0**	**4,004,813:33:0**	
1045	**97**	**169**	**09:48:56.624**	**31CB4C**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**4,004,814:33:0**	
1046	**97**	**169**	**09:49:57.290**	**31CB4D**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,004,815:33:0**	
1047	**97**	**169**	**09:49:57.957**	**31CB4E**	**37ETB**	**07,C7,31,E7,00,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,004,815:34:0**	
1048	**97**	**169**	**09:53:13.290**	**31CC6D**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**4,004,818:54:0**	
1049	**97**	**169**	**09:55:14.624**	**31CC6E**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**4,004,820:54:0**	
1050	**97**	**169**	**09:56:15.290**	**31CC4A**	**37MPT**	**1,192,192**	**Modify Parameter Table (affects scanning m**	**2R3**	**4**	**0**	**4,004,821:54:0**	
1051	**97**	**169**	**10:16:28.624**	**31CC6F**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**4,004,841:54:0**	
1052	**97**	**169**	**10:18:29.957**	**31CC6G**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**4,004,843:54:0**	
1053	**97**	**169**	**10:19:30.624**	**31CC4B**	**37MB**	**00,00,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R3**	**4**	**0**	**4,004,844:54:0**	
1054	**97**	**169**	**10:20:31.290**	**31CC4C**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**2R0**	**4**	**0**	**4,004,845:54:0**	
1055	**97**	**169**	**10:20:31.957**	**31CC4D**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**2R0**	**4**	**0**	**4,004,845:55:0**	
1056	**97**	**169**	**10:21:31.957**	**31CC4E**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**4,004,846:54:0**	
1057	**97**	**169**	**10:22:32.624**	**31CC4F**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**2O0**	**4**	**0**	**4,004,847:54:0**	
1058	**97**	**169**	**10:23:00.000**	**G8NNDET3AN01-**		**-----STOP-------**		**2O0**	**4**	**0**	**: :**	
1059	97	169	10:34:59.933	41CM99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	2O0	4	0	4,004,859:75:0	
1060	**97**	**169**	**10:36:53.933**	**41CM3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**4,004,861:64:0**	
1061	**97**	**169**	**10:37:03.933**	**41CM3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**4,004,861:79:0**	
1062	**97**	**169**	**10:37:13.933**	**41CM3I**	**40T2**	**1**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**4,004,862:03:0**	
1063	**97**	**169**	**10:37:23.933**	**41CM3J**	**40T2**	**2**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**4,004,862:18:0**	
1064	97	169	10:40:04.600	20WK4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	2O0	4	0	4,004,864:77:0	
1065	97	169	10:40:54.600	20WK4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,004,865:61:0	
1066	97	169	10:42:15.266	176TB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	4,004,867:00:0	
1067	97	169	11:35:03.933	488FL6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,004,919:21:0	
1068	97	169	11:36:53.933	488FL6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,004,921:04:0	
1069	97	169	11:39:19.933	488FL6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,004,923:41:0	
1070	97	169	11:40:59.933	488FL6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,004,925:09:0	
1071	97	169	16:24:54.600	488FL6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,005,205:81:0	
1072	97	169	16:48:19.266	488FM6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,005,229:04:0	
1073	97	169	17:43:22.600	432BS6A	6RTSL1		R/T Select of DDS and	2O0	4	0	4,005,283:45:0	
1074	97	169	21:25:59.933	488FM6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,005,503:61:0	
1075	97	169	22:17:11.933	488FM6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,005,554:28:0	
1076	97	169	23:06:15.933	488FN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,005,602:76:0	
1077	97	169	23:29:43.933	488FN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,005,626:04:0	
1078	97	170	00:44:23.933	488FN6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,005,699:81:0	
1079	97	170	06:10:47.933	488FO6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,006,022:64:0	
1080	97	170	06:36:49.933	488FO6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,006,048:41:0	
1081	97	170	06:40:39.933	488FO6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,006,052:22:0	
1082	97	170	06:48:25.266	488FO6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,006,059:83:0	
1083	97	170	06:59:51.866	488FO6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,006,071:21:0	
1084	97	170	08:01:21.200	488FP6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,006,132:04:0	
1085	97	170	08:30:27.866	488FP6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,006,160:76:0	
1086	97	170	08:55:03.866	488FP6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,006,185:15:0	
1087	97	170	11:35:30.533	488FP6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,006,343:77:0	
1088	97	170	11:39:19.866	488FP6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,006,347:57:0	
1089	97	170	11:40:59.866	488FQ6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,006,349:25:0	
1090	97	170	16:14:46.533	488FQ6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,006,620:04:0	
1091	97	170	16:38:11.200	488FQ6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,006,643:18:0	
1092	97	170	21:20:15.866	488FR6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,006,922:16:0	
1093	97	170	21:21:43.866	488FR6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,006,923:57:0	
1094	97	170	23:03:30.533	488FR6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,007,024:26:0	
1095	97	170	23:23:19.866	488FR6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,007,043:81:0	
1096	97	171	00:14:59.866	418JF6A	6BUFLO	2	MUB Buffer low water m	2O0	4	0	4,007,094:90:0	
1097	97	171	00:14:59.866	418JF6B	6BUFHI	10	MUB Buffer high water	2O0	4	0	4,007,094:90:0	
1098	97	171	00:40:07.866	488FR6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,007,119:77:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	97	171	06:10:47.866	488FS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,007,446:80:0	
1100	97	171	06:49:11.866	488FS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,007,484:78:0	
1101	97	171	07:46:13.200	488FS6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,007,541:23:0	
1102	97	171	08:15:19.866	488FS6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,007,570:04:0	
1103	97	171	08:28:55.866	31W6B	6MROH	4,5B0C,1,A2	read from HLM1A4,5B0C,1,A2	2O0	4	0	4,007,583:45:0	
1104	97	171	08:30:55.866	31W6C	6MROH	5,5B0C,1,B2	read from HLM1B5,5B0C,1,B2	2O0	4	0	4,007,585:43:0	
1105	97	171	08:40:07.866	488FS6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,007,594:52:0	
1106	97	171	11:39:46.533	488FT6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,007,772:22:0	
1107	97	171	11:43:35.866	488FT6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,007,776:02:0	
1108	97	171	11:45:15.866	488FT6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,007,777:61:0	
1109	97	171	12:44:40.533	488FT6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,007,836:39:0	
1110	97	171	13:13:05.200	488FT6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,007,864:48:0	
1111	97	171	21:17:27.800	488FU6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,008,343:53:0	
1112	97	171	22:40:39.800	488FU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,008,425:79:0	
1113	97	171	22:51:19.800	488FU6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,008,436:38:0	
1114	97	171	23:19:03.800	488FU6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,008,463:77:0	
1115	97	172	00:01:08.466	488FU6E	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,008,505:42:0	
1116	97	172	00:29:27.800	488FV6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,008,533:43:0	
1117	97	172	00:30:07.800	488FV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,008,534:12:0	
1118	97	172	06:10:47.800	488FV6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,008,871:05:0	
1119	97	172	06:44:55.800	488FW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,008,904:74:0	
1120	97	172	07:41:05.800	488FW6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,008,960:33:0	
1121	97	172	08:10:11.800	488FW6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,008,989:13:0	
1122	97	172	08:29:27.800	488FW6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,009,008:18:0	
1123	97	172	09:59:59.800	481UG4A	7VECT		Inert vect update UTC	2O0	4	0	4,009,097:67:0	
1124	97	172	11:20:34.466	488FW6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,009,177:39:0	
1125	97	172	11:24:23.800	488FX6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,009,181:19:0	
1126	97	172	11:26:03.800	488FX6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,009,182:78:0	
1127	97	172	16:14:31.133	488FX6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,009,468:13:0	
1128	97	172	16:37:56.466	488FX6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,009,491:28:0	
1129	97	172	17:47:23.800	176TC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2O0	4	0	4,009,560:00:0	
1130	97	172	17:52:59.800	488FY6A	6TMSED	NORM,AH8	Sci, Eng, and D/L Chan	2O0	4	0	4,009,565:49:0	
1131	97	172	18:01:59.800	20SS4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,009,574:40:0	
1132	97	172	18:02:59.800	20SS4D	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	2O0	4	0	4,009,575:39:0	
1133	97	172	18:04:59.800	20SS4E	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2O0	4	0	4,009,577:37:0	
1134	97	172	18:10:29.800	20SS4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	2O0	4	0	4,009,582:77:0	
1135	97	172	18:10:30.466	20SS4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	2O0	4	0	4,009,582:78:0	
1136	97	172	18:10:50.466	20SS4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	2O0	4	0	4,009,583:17:0	
1137	97	172	18:10:51.133	20SS4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	2O0	4	0	4,009,583:18:0	
1138	97	172	18:11:11.133	20SS4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	4,009,583:48:0	
1139	97	172	18:11:11.800	20SS4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	4,009,583:49:0	
1140	97	172	18:11:21.800	20SS4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	2O0	4	0	4,009,583:64:0	
1141	97	172	18:11:22.466	20SS4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	2O0	4	0	4,009,583:65:0	
1142	97	172	18:11:32.466	20SS4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	2O0	4	0	4,009,583:80:0	
1143	97	172	18:11:33.133	20SS4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	2O0	4	0	4,009,583:81:0	
1144	97	172	18:13:19.800	20SS4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	2O0	4	0	4,009,585:59:0	
1145	97	172	18:13:20.466	20SS4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	2O0	4	0	4,009,585:60:0	
1146	97	172	18:13:40.466	20SS4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	2O0	4	0	4,009,585:90:0	
1147	97	172	18:13:41.133	20SS4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	2O0	4	0	4,009,586:00:0	
1148	97	172	18:14:01.133	20SS4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	4,009,586:30:0	
1149	97	172	18:14:01.800	20SS4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	4,009,586:31:0	
1150	97	172	18:14:11.800	20SS4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	2O0	4	0	4,009,586:46:0	
1151	97	172	18:14:12.466	20SS4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	2O0	4	0	4,009,586:47:0	
1152	97	172	18:14:22.466	20SS4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	2O0	4	0	4,009,586:62:0	
1153	97	172	18:14:23.133	20SS4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	2O0	4	0	4,009,586:63:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	97	172	18:15:19.800	20SS4Z	**7MODE**	**CRU**	**AACS CRUISE MODE**	2O0	4	0	4,009,587:57:0	
1155	97	172	18:30:59.133	432OJ431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	4,009,603:10:0	
1156	97	172	18:30:59.800	432OJ6A	6RTSL1		R/T Select of DDS and	2O0	4	0	4,009,603:11:0	
1157	97	172	18:40:03.800	20WL4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	2O0	4	0	4,009,612:08:0	
1158	97	172	18:40:53.800	20WL4B	7SLEW	DIS,POS,0.0	Stator movement	2O0	4	0	4,009,612:83:0	
1159	97	172	18:41:59.800	176TD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	2O0	4	0	4,009,614:00:0	
1160	97	172	20:04:59.733	488FY6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2O0	4	0	4,009,696:08:0	
1161	97	172	21:11:03.733	488FY6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2O0	4	0	4,009,761:39:0	
1162	97	172	22:06:31.733	488FY6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,009,816:26:0	
1163	97	172	22:57:43.733	488FY6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2O0	4	0	4,009,866:84:0	
1164	97	172	23:14:47.733	488FZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2O0	4	0	4,009,883:73:0	
1165	97	173	00:25:11.733	488FZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2O0	4	0	4,009,953:39:0	
1166	97	173	01:49:41.733	176TS6A	6TMREC	**TPB**	TERMINATE PLAYBACK (PB CONTROL) Record Mo	2O0	4	0	4,010,037:00:0	
1167	97	173	01:50:59.733	488FZ6C	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	2O0	4	0	4,010,038:26:0	
1168	97	173	01:52:43.066	165BQ4A	7SCAN	NORM,215.528,-15	Check S/P Position	2O0	4	0	4,010,039:90:0	
1169	97	173	01:59:59.733	488FZ6D	6TMSED	NORM,EH6	Sci, Eng, and D/L Chan	2O0	4	0	4,010,047:17:0	
1170	97	173	02:02:50.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 846.00 +/-	2O0	4	0	4,010,050:00:0	
1171	97	173	02:02:50.400	465WA6A	6DMST	5000	DMS Slew to TIC	2O0	4	0	4,010,050:00:0	
1172	97	173	02:02:50.400		DMS:	: *SLEW-TIC	P7, TRACK *1, *FWD, TIC 846.00 +/-	2O0	4	0	4,010,050:00:0	
1173	97	173	02:02:57.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 846.00 +/-	2O0	4	0	4,010,050:10:0	
1174	97	173	02:02:58.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 846.12 +/-	2O0	4	0	4,010,050:12:1	
1175	97	173	06:10:47.733	488GA6A	6TMSED	NORM,EH4	Sci, Eng, and D/L Chan	2O0	4	0	4,010,295:21:0	
1176	97	173	06:38:31.733	488GA6B	6TMSED	NORM,EH5	Sci, Eng, and D/L Chan	2O0	4	0	4,010,322:60:0	
1177	97	173	06:58:11.866		DMS:	: *RUNDOWN	P7, TRACK 1, FWD, TIC *4997.94 +/-	2O0	4	0	4,010,342:10:2	
1178	97	173	06:58:13.066		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *4998.00 +/-	2O0	4	0	4,010,342:12:0	
1179	97	173	07:35:58.400	488GA6C	6TMSED	FILL,EH5	Sci, Eng, and D/L Chan	2O0	4	0	4,010,379:43:0	
1180	97	173	07:56:31.733	465WB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,010,399:73:0	
1181	97	173	07:56:31.733		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 4998.00 +/-	2O0	4	0	4,010,399:73:0	
1182	97	173	07:56:33.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4998.12 +/-	2O0	4	0	4,010,399:75:1	
1183	97	173	07:56:38.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4999.35 +/-	2O0	4	0	4,010,399:83:0	
1184	97	173	07:56:39.600		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *4999.41 +/-	2O0	4	0	4,010,399:84:8	
1185	97	173	07:56:43.466		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4993.91 +/-	2O0	4	0	4,010,399:90:6	
1186	97	173	07:56:43.466		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4993.91 +/-	2O0	4	0	4,010,399:90:6	
1187	97	173	08:05:04.400	488GA6D	6TMSED	NORM,EH5	Sci, Eng, and D/L Chan	2O0	4	0	4,010,408:23:0	
1188	97	173	08:18:47.733	488GA6E	6TMSED	NORM,EH6	Sci, Eng, and D/L Chan	2O0	4	0	4,010,421:75:0	
1189	97	173	08:22:23.733	465WB6B	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	4,010,425:35:0	
1190	97	173	08:22:23.733		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 255.79 +/-	2O0	4	0	4,010,425:35:0	
1191	97	173	08:22:24.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 254.99 +/-	2O0	4	0	4,010,425:36:8	
1192	97	173	10:20:11.733		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 254.99 +/-	2O0	4	0	4,010,541:81:0	
1193	97	173	10:20:11.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 254.99 +/-	2O0	4	0	4,010,541:81:0	
1194	97	173	10:20:11.733	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	2O0	4	0	4,010,541:81:0	
1195	97	173	10:20:13.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 255.11 +/-	2O0	4	0	4,010,541:83:1	
1196	97	173	10:20:18.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 256.34 +/-	2O0	4	0	4,010,542:00:0	
1197	97	173	10:20:19.600		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 256.40 +/-	2O0	4	0	4,010,542:01:8	
1198	97	173	10:20:21.000		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 256.28 +/-	2O0	4	0	4,010,542:03:9	
1199	97	173	10:24:21.666		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	2O0	4	0	4,010,546:00:9	
1200	97	173	10:24:22.866		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	2O0	4	0	4,010,546:02:7	
1201	97	173	10:24:22.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	2O0	4	0	4,010,546:02:7	
1202	97	173	10:24:24.266		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	4,010,546:04:8	
1203	97	173	10:24:36.266		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	4,010,546:22:8	
1204	97	173	10:24:37.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	4,010,546:24:6	
1205	97	173	10:30:14.400	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,010,551:75:0	
1206	97	173	10:30:14.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	4,010,551:75:0	
1207	97	173	10:30:21.066		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	4,010,551:85:0	
1208	97	173	10:30:24.933		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	2O0	4	0	4,010,551:90:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	97	173	10:30:24.933		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	2O0	4	0	4,010,551:90:8	
1210	97	173	11:02:08.400		DMS:	: *RUNDOWN	P100, TRACK 1, FWD, TIC *6063.01 +/-	2O0	4	0	4,010,583:34:0	
1211	97	173	11:02:08.400	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	2O0	4	0	4,010,583:34:0	
1212	97	173	11:02:09.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	2O0	4	0	4,010,583:35:8	
1213	97	173	11:17:44.400		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	2O0	4	0	4,010,598:73:0	
1214	97	173	11:17:44.400	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,010,598:73:0	
1215	97	173	11:17:45.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	2O0	4	0	4,010,598:75:1	
1216	97	173	11:17:51.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	2O0	4	0	4,010,598:83:0	
1217	97	173	11:17:52.266		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	2O0	4	0	4,010,598:84:8	
1218	97	173	11:17:56.133		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	2O0	4	0	4,010,598:90:6	
1219	97	173	11:17:56.133		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	2O0	4	0	4,010,598:90:6	
1220	97	173	11:20:34.400	488GB6A	6TMSED	FILL,EH6	Sci, Eng, and D/L Chan	2O0	4	0	4,010,601:55:0	
1221	97	173	11:24:23.733	488GB6B	6TMSED	FILL,EH8	Sci, Eng, and D/L Chan	2O0	4	0	4,010,605:35:0	
1222	97	173	11:26:03.733	488GB6C	6TMSED	NORM,EH8	Sci, Eng, and D/L Chan	2O0	4	0	4,010,607:03:0	
1223	97	173	11:49:52.400	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,010,630:53:0	
1224	97	173	11:49:52.400		DMS:	: *RUNDOWN	P100, TRACK 2, REV, TIC * 164.96 +/-	2O0	4	0	4,010,630:53:0	
1225	97	173	11:49:53.600		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	2O0	4	0	4,010,630:54:8	
1226	97	173	11:49:57.466		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	2O0	4	0	4,010,630:60:6	
1227	97	173	11:49:57.466		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	2O0	4	0	4,010,630:60:6	
1228	97	173	12:21:53.066	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	4,010,662:22:0	
1229	97	173	12:21:53.066		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC *6062.38 +/-	2O0	4	0	4,010,662:22:0	
1230	97	173	12:21:54.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	2O0	4	0	4,010,662:23:8	
1231	97	173	12:36:36.400	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,010,676:73:0	
1232	97	173	12:36:36.400		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	2O0	4	0	4,010,676:73:0	
1233	97	173	12:36:37.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	2O0	4	0	4,010,676:75:1	
1234	97	173	12:36:43.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	2O0	4	0	4,010,676:83:0	
1235	97	173	12:36:44.266		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	2O0	4	0	4,010,676:84:8	
1236	97	173	12:36:48.133		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	2O0	4	0	4,010,676:90:6	
1237	97	173	12:36:48.133		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	2O0	4	0	4,010,676:90:6	
1238	97	173	13:08:43.733		DMS:	: *RUNDOWN	P100, TRACK 4, REV, TIC * 166.38 +/-	2O0	4	0	4,010,708:52:0	
1239	97	173	13:08:43.733	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,010,708:52:0	
1240	97	173	13:08:44.933		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	2O0	4	0	4,010,708:53:8	
1241	97	173	13:08:48.800		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	2O0	4	0	4,010,708:59:6	
1242	97	173	13:08:48.800		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	2O0	4	0	4,010,708:59:6	
1243	97	173	13:09:49.733		DMS:	: *RUNDOWN	P100, TRACK 3, FWD, TIC * 358.52 +/-	2O0	4	0	4,010,709:60:0	
1244	97	173	13:09:49.733	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	4,010,709:60:0	
1245	97	173	13:09:50.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	2O0	4	0	4,010,709:61:8	
1246	97	173	13:24:19.733		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	2O0	4	0	4,010,724:00:0	
1247	97	173	13:24:19.733	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	4,010,724:00:0	
1248	97	173	13:25:13.733	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	2O0	4	0	4,010,724:81:0	
1249	97	173	13:25:13.733		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	2O0	4	0	4,010,724:81:0	
1250	97	173	13:25:13.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	2O0	4	0	4,010,724:81:0	
1251	97	173	13:25:15.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	2O0	4	0	4,010,724:83:1	
1252	97	173	13:25:20.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	2O0	4	0	4,010,725:00:0	
1253	97	173	13:25:21.600		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	2O0	4	0	4,010,725:01:8	
1254	97	173	13:25:23.000		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	2O0	4	0	4,010,725:03:9	
1255	97	173	13:36:48.800		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	2O0	4	0	4,010,736:31:6	
1256	97	173	13:36:50.000		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	2O0	4	0	4,010,736:33:4	
1257	97	173	13:36:50.000		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	2O0	4	0	4,010,736:33:4	
1258	97	173	13:36:51.400		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	4,010,736:35:5	
1259	97	173	13:37:03.400		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	4,010,736:53:5	
1260	97	173	13:37:04.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	4,010,736:55:3	
1261	97	173	13:50:59.733	488GB6D	6TMSED	NORM,EL8	Sci, Eng, and D/L Chan	2O0	4	0	4,010,750:34:0	
1262	97	173	13:54:59.733	488GB6E	6TMSED	NORM,IL8	Sci, Eng, and D/L Chan	2O0	4	0	4,010,754:30:0	
1263	97	173	15:46:03.733	20BA4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2O0	4	0	4,010,864:16:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	97	173	15:59:59.733		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	4,010,877:87:0	
1265	**97**	**173**	**16:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**4,010,877:87:4**	
1266	**97**	**173**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**4,010,877:87:4**	
1267	**97**	**173**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**4,010,877:87:4**	
1268	**97**	**173**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**4,010,877:87:4**	
1269	**97**	**173**	**16:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**4,010,877:87:4**	
1270	**97**	**173**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**4,010,877:87:4**	
1271	**97**	**173**	**16:00:00.000**	**20A3FE**	**40T1P**	**Final Condition**	**PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**4,010,877:87:4**	
1272	**97**	**173**	**16:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**2O0**	**4**	**0**	**4,010,877:87:4**	
1273	**97**	**173**	**16:00:00.000**	**20A3FF**	**40T2**	**Final Condition**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**4,010,877:87:4**	

G8CNGLOBAL01

```
OAPEL:  G8CNGLOBAL01            ALIAS:  G8CNGLOBAL01
EXT:    A                       PSID:   DA
SCLK1:  03943302:00:0           SCLK2:  03943313:49:0
SCET1:    97-126/05:13:14.200   SCET2:    97-126/05:24:54.866
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:  216                  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:    0326216001          03  26  216  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000E0	0,0000,0000,1110,0000
1	1BDFF	1,1011,1101,1111,1111
2	000E0	0,0000,0000,1110,0000
3	1BDFF	1,1011,1101,1111,1111
4	000E0	0,0000,0000,1110,0000
5	1BDFF	1,1011,1101,1111,1111
6	000E0	0,0000,0000,1110,0000
7	1BDFF	1,1011,1101,1111,1111
8	000E0	0,0000,0000,1110,0000
9	1BDFF	1,1011,1101,1111,1111
10	000E0	0,0000,0000,1110,0000
11	1BDFF	1,1011,1101,1111,1111
12	000E0	0,0000,0000,1110,0000
13	1BDFF	1,1011,1101,1111,1111
14	000E0	0,0000,0000,1110,0000
15	1BDFF	1,1011,1101,1111,1111
16	000E0	0,0000,0000,1110,0000
17	1BDFF	1,1011,1101,1111,1111
18	000E0	0,0000,0000,1110,0000
19	1BDFF	1,1011,1101,1111,1111
20	000E0	0,0000,0000,1110,0000
21	1BDFF	1,1011,1101,1111,1111
22	000E0	0,0000,0000,1110,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8CNGLOBAL01

OAPEL: G8CNGLOBAL01 ALIAS: G8CNGLOBAL01
EXT: B PSID: DA
SCLK1: 03943313:60:0 SCLK2: 03943325:19:0
SCET1: 97-126/05:25:01.533 SCET2: 97-126/05:36:42.200
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: 216 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: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000E0	0,0000,0000,1110,0000
1	1BDFF	1,1011,1101,1111,1111
2	000E0	0,0000,0000,1110,0000
3	1BDFF	1,1011,1101,1111,1111
4	000E0	0,0000,0000,1110,0000
5	1BDFF	1,1011,1101,1111,1111
6	000E0	0,0000,0000,1110,0000
7	1BDFF	1,1011,1101,1111,1111
8	000E0	0,0000,0000,1110,0000
9	1BDFF	1,1011,1101,1111,1111
10	000E0	0,0000,0000,1110,0000
11	1BDFF	1,1011,1101,1111,1111
12	000E0	0,0000,0000,1110,0000
13	1BDFF	1,1011,1101,1111,1111
14	000E0	0,0000,0000,1110,0000
15	1BDFF	1,1011,1101,1111,1111
16	000E0	0,0000,0000,1110,0000
17	1BDFF	1,1011,1101,1111,1111
18	000E0	0,0000,0000,1110,0000
19	1BDFF	1,1011,1101,1111,1111
20	000E0	0,0000,0000,1110,0000
21	1BDFF	1,1011,1101,1111,1111
22	000E0	0,0000,0000,1110,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8CNGLOBAL01

```
OAPEL:  G8CNGLOBAL01            ALIAS:  G8CNGLOBAL01
EXT:    C                       PSID:   DA
SCLK1:  03943325:29:0           SCLK2:  03943336:38:0
SCET1:    97-126/05:36:48.866   SCET2:    97-126/05:48:02.200
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:  216                  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:    0326216001          03  26  216  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000E0	0,0000,0000,1110,0000
1	1BDFF	1,1011,1101,1111,1111
2	000E0	0,0000,0000,1110,0000
3	1BDFF	1,1011,1101,1111,1111
4	000E0	0,0000,0000,1110,0000
5	1BDFF	1,1011,1101,1111,1111
6	000E0	0,0000,0000,1110,0000
7	1BDFF	1,1011,1101,1111,1111
8	000E0	0,0000,0000,1110,0000
9	1BDFF	1,1011,1101,1111,1111
10	000E0	0,0000,0000,1110,0000
11	1BDFF	1,1011,1101,1111,1111
12	000E0	0,0000,0000,1110,0000
13	1BDFF	1,1011,1101,1111,1111
14	000E0	0,0000,0000,1110,0000
15	1BDFF	1,1011,1101,1111,1111
16	000E0	0,0000,0000,1110,0000
17	1BDFF	1,1011,1101,1111,1111
18	000E0	0,0000,0000,1110,0000
19	1BDFF	1,1011,1101,1111,1111
20	000E0	0,0000,0000,1110,0000
21	1BDFF	1,1011,1101,1111,1111
22	000E0	0,0000,0000,1110,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8HNDARK__01

OAPEL: G8HNDARK__01 ALIAS: G8HNDARK__01
EXT: A PSID: DB
SCLK1: 03943540:00:0 SCLK2: 03943540:90:0
SCET1: 97-126/09:13:52.866 SCET2: 97-126/09:14:53.533
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: 32 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: 0326032001 03 26 032 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FDFF	1,1111,1101,1111,1111
1	1FDFF	1,1111,1101,1111,1111
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

G8CNVGRGAP01

```
OAPEL:  G8CNVGRGAP01            ALIAS:  G8CSVGRGAP01
EXT:    A                       PSID:   IA
SCLK1:  03943642:71:0           SCLK2:  03943646:24:0
SCET1:    97-126/10:57:48.200   SCET2:    97-126/11:01:20.200
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:   32                  TLMFMT:    HIS

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

WETGID:    0326032001          03  26  032  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FDFF	1,1111,1101,1111,1111
1	1FDFF	1,1111,1101,1111,1111
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

G8CNSPOLE_01

OAPEL: G8CNSPOLE_01 ALIAS: G8CNSPOLE_01
EXT: A PSID: DC
SCLK1: 03943663:14:0 SCLK2: 03943693:82:0
SCET1: 97-126/11:18:24.200 SCET2: 97-126/11:49:29.533
TARGET: CALLISTO PARTITION: 1

MODE: 1 GAIN: 4
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: 96 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: 0113096001 01 13 096 001
WTGRP_SIZ: 13

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1BDFF	1,1011,1101,1111,1111
1	00020	0,0000,0000,0010,0000
2	1BDFF	1,1011,1101,1111,1111
3	00020	0,0000,0000,0010,0000
4	1BDFF	1,1011,1101,1111,1111
5	00020	0,0000,0000,0010,0000
6	1BDFF	1,1011,1101,1111,1111
7	00020	0,0000,0000,0010,0000
8	1BDFF	1,1011,1101,1111,1111
9	00020	0,0000,0000,0010,0000
10	1BDFF	1,1011,1101,1111,1111
11	00020	0,0000,0000,0010,0000
12	00000	0,0000,0000,0000,0000

G8CNSPOLAR01

```
OAPEL:  G8CNSPOLAR01            ALIAS:  G8CSSPOLAR01
EXT:    A                       PSID:   IB
SCLK1:  03943713:24:0           SCLK2:  03943715:73:0
SCET1:    97-126/12:09:04.866   SCET2:    97-126/12:11:38.866
TARGET: CALLISTO                PARTITION: 1

MODE:      1                    GAIN:      4
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:   96                  TLMFMT:    HIS

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

WETGID:    0113096001          01  13  096  001
WTGRP_SIZ: 13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1BDFF	1,1011,1101,1111,1111
1	00020	0,0000,0000,0010,0000
2	1BDFF	1,1011,1101,1111,1111
3	00020	0,0000,0000,0010,0000
4	1BDFF	1,1011,1101,1111,1111
5	00020	0,0000,0000,0010,0000
6	1BDFF	1,1011,1101,1111,1111
7	00020	0,0000,0000,0010,0000
8	1BDFF	1,1011,1101,1111,1111
9	00020	0,0000,0000,0010,0000
10	1BDFF	1,1011,1101,1111,1111
11	00020	0,0000,0000,0010,0000
12	00000	0,0000,0000,0000,0000

G8CNBURI__01

```
OAPEL:  G8CNBURI__01            ALIAS:  G8CNBURI__01
EXT:    A                       PSID:   DD
SCLK1:  03943720:00:0           SCLK2:  03943730:59:0
SCET1:    97-126/12:15:52.866   SCET2:    97-126/12:26:38.866
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:  216                  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:    0326216001          03  26  216  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000E0	0,0000,0000,1110,0000
1	1BDFF	1,1011,1101,1111,1111
2	000E0	0,0000,0000,1110,0000
3	1BDFF	1,1011,1101,1111,1111
4	000E0	0,0000,0000,1110,0000
5	1BDFF	1,1011,1101,1111,1111
6	000E0	0,0000,0000,1110,0000
7	1BDFF	1,1011,1101,1111,1111
8	000E0	0,0000,0000,1110,0000
9	1BDFF	1,1011,1101,1111,1111
10	000E0	0,0000,0000,1110,0000
11	1BDFF	1,1011,1101,1111,1111
12	000E0	0,0000,0000,1110,0000
13	1BDFF	1,1011,1101,1111,1111
14	000E0	0,0000,0000,1110,0000
15	1BDFF	1,1011,1101,1111,1111
16	000E0	0,0000,0000,1110,0000
17	1BDFF	1,1011,1101,1111,1111
18	000E0	0,0000,0000,1110,0000
19	1BDFF	1,1011,1101,1111,1111
20	000E0	0,0000,0000,1110,0000
21	1BDFF	1,1011,1101,1111,1111
22	000E0	0,0000,0000,1110,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8CNADLIND01

OAPEL: G8CNADLIND01 ALIAS: G8CNADLIND01
EXT: A PSID: DE
SCLK1: 03943735:00:0 SCLK2: 03943753:36:0
SCET1: 97-126/12:31:02.866 SCET2: 97-126/12:49:39.533
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: 216 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: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000E0	0,0000,0000,1110,0000
1	1BDFF	1,1011,1101,1111,1111
2	000E0	0,0000,0000,1110,0000
3	1BDFF	1,1011,1101,1111,1111
4	000E0	0,0000,0000,1110,0000
5	1BDFF	1,1011,1101,1111,1111
6	000E0	0,0000,0000,1110,0000
7	1BDFF	1,1011,1101,1111,1111
8	000E0	0,0000,0000,1110,0000
9	1BDFF	1,1011,1101,1111,1111
10	000E0	0,0000,0000,1110,0000
11	1BDFF	1,1011,1101,1111,1111
12	000E0	0,0000,0000,1110,0000
13	1BDFF	1,1011,1101,1111,1111
14	000E0	0,0000,0000,1110,0000
15	1BDFF	1,1011,1101,1111,1111
16	000E0	0,0000,0000,1110,0000
17	1BDFF	1,1011,1101,1111,1111
18	000E0	0,0000,0000,1110,0000
19	1BDFF	1,1011,1101,1111,1111
20	000E0	0,0000,0000,1110,0000
21	1BDFF	1,1011,1101,1111,1111
22	000E0	0,0000,0000,1110,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8CNADLNDA01

OAPEL: G8CNADLNDA01 ALIAS: G8CSADLNDA01
EXT: A PSID: IC
SCLK1: 03943773:03:0 SCLK2: 03943775:73:0
SCET1: 97-126/13:09:30.200 SCET2: 97-126/13:12:18.866
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: 216 TLMFMT: HIS

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

WETGID: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000E0	0,0000,0000,1110,0000
1	1BDFF	1,1011,1101,1111,1111
2	000E0	0,0000,0000,1110,0000
3	1BDFF	1,1011,1101,1111,1111
4	000E0	0,0000,0000,1110,0000
5	1BDFF	1,1011,1101,1111,1111
6	000E0	0,0000,0000,1110,0000
7	1BDFF	1,1011,1101,1111,1111
8	000E0	0,0000,0000,1110,0000
9	1BDFF	1,1011,1101,1111,1111
10	000E0	0,0000,0000,1110,0000
11	1BDFF	1,1011,1101,1111,1111
12	000E0	0,0000,0000,1110,0000
13	1BDFF	1,1011,1101,1111,1111
14	000E0	0,0000,0000,1110,0000
15	1BDFF	1,1011,1101,1111,1111
16	000E0	0,0000,0000,1110,0000
17	1BDFF	1,1011,1101,1111,1111
18	000E0	0,0000,0000,1110,0000
19	1BDFF	1,1011,1101,1111,1111
20	000E0	0,0000,0000,1110,0000
21	1BDFF	1,1011,1101,1111,1111
22	000E0	0,0000,0000,1110,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8INTHRMAL01

OAPEL: G8INTHRMAL01 ALIAS: G8INTHRMAL01
EXT: A PSID: DG
SCLK1: 03944048:00:0 SCLK2: 03944048:51:0
SCET1: 97-126/17:47:31.533 SCET2: 97-126/17:48:05.533
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: 228 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: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00105	0,0000,0001,0000,0101
1	1FDFF	1,1111,1101,1111,1111
2	00105	0,0000,0001,0000,0101
3	1FDFF	1,1111,1101,1111,1111
4	00105	0,0000,0001,0000,0101
5	1FDFF	1,1111,1101,1111,1111
6	00105	0,0000,0001,0000,0101
7	1FDFF	1,1111,1101,1111,1111
8	00105	0,0000,0001,0000,0101
9	1FDFF	1,1111,1101,1111,1111
10	00105	0,0000,0001,0000,0101
11	1FDFF	1,1111,1101,1111,1111
12	00105	0,0000,0001,0000,0101
13	1FDFF	1,1111,1101,1111,1111
14	00105	0,0000,0001,0000,0101
15	1FDFF	1,1111,1101,1111,1111
16	00105	0,0000,0001,0000,0101
17	1FDFF	1,1111,1101,1111,1111
18	00105	0,0000,0001,0000,0101
19	1FDFF	1,1111,1101,1111,1111
20	00105	0,0000,0001,0000,0101
21	1FDFF	1,1111,1101,1111,1111
22	00105	0,0000,0001,0000,0101
23	1FDFF	1,1111,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8CNGLOBAL02

OAPEL: G8CNGLOBAL02 ALIAS: G8CNGLOBAL02
EXT: A PSID: DF
SCLK1: 03944057:00:0 SCLK2: 03944070:63:0
SCET1: 97-126/17:56:37.533 SCET2: 97-126/18:10:28.200
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: 216 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: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000E0	0,0000,0000,1110,0000
1	1BDFF	1,1011,1101,1111,1111
2	000E0	0,0000,0000,1110,0000
3	1BDFF	1,1011,1101,1111,1111
4	000E0	0,0000,0000,1110,0000
5	1BDFF	1,1011,1101,1111,1111
6	000E0	0,0000,0000,1110,0000
7	1BDFF	1,1011,1101,1111,1111
8	000E0	0,0000,0000,1110,0000
9	1BDFF	1,1011,1101,1111,1111
10	000E0	0,0000,0000,1110,0000
11	1BDFF	1,1011,1101,1111,1111
12	000E0	0,0000,0000,1110,0000
13	1BDFF	1,1011,1101,1111,1111
14	000E0	0,0000,0000,1110,0000
15	1BDFF	1,1011,1101,1111,1111
16	000E0	0,0000,0000,1110,0000
17	1BDFF	1,1011,1101,1111,1111
18	000E0	0,0000,0000,1110,0000
19	1BDFF	1,1011,1101,1111,1111
20	000E0	0,0000,0000,1110,0000
21	1BDFF	1,1011,1101,1111,1111
22	000E0	0,0000,0000,1110,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8CNGLOBAL02

OAPEL: G8CNGLOBAL02 ALIAS: G8CNGLOBAL02
EXT: B PSID: DF
SCLK1: 03944070:48:0 SCLK2: 03944077:22:0
SCET1: 97-126/18:10:18.200 SCET2: 97-126/18:17:05.533
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: 216 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: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000E0	0,0000,0000,1110,0000
1	1BDFF	1,1011,1101,1111,1111
2	000E0	0,0000,0000,1110,0000
3	1BDFF	1,1011,1101,1111,1111
4	000E0	0,0000,0000,1110,0000
5	1BDFF	1,1011,1101,1111,1111
6	000E0	0,0000,0000,1110,0000
7	1BDFF	1,1011,1101,1111,1111
8	000E0	0,0000,0000,1110,0000
9	1BDFF	1,1011,1101,1111,1111
10	000E0	0,0000,0000,1110,0000
11	1BDFF	1,1011,1101,1111,1111
12	000E0	0,0000,0000,1110,0000
13	1BDFF	1,1011,1101,1111,1111
14	000E0	0,0000,0000,1110,0000
15	1BDFF	1,1011,1101,1111,1111
16	000E0	0,0000,0000,1110,0000
17	1BDFF	1,1011,1101,1111,1111
18	000E0	0,0000,0000,1110,0000
19	1BDFF	1,1011,1101,1111,1111
20	000E0	0,0000,0000,1110,0000
21	1BDFF	1,1011,1101,1111,1111
22	000E0	0,0000,0000,1110,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8INCHEMIS01

OAPEL: G8INCHEMIS01 ALIAS: G8INCHEMIS01
EXT: A PSID: DH
SCLK1: 03944345:00:0 SCLK2: 03944345:85:0
SCET1: 97-126/22:47:49.533 SCET2: 97-126/22:48:46.866
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: 216 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: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00580	0,0000,0101,1000,0000
1	1BDFF	1,1011,1101,1111,1111
2	00580	0,0000,0101,1000,0000
3	1BDFF	1,1011,1101,1111,1111
4	00580	0,0000,0101,1000,0000
5	1BDFF	1,1011,1101,1111,1111
6	00580	0,0000,0101,1000,0000
7	1BDFF	1,1011,1101,1111,1111
8	00580	0,0000,0101,1000,0000
9	1BDFF	1,1011,1101,1111,1111
10	00580	0,0000,0101,1000,0000
11	1BDFF	1,1011,1101,1111,1111
12	00580	0,0000,0101,1000,0000
13	1BDFF	1,1011,1101,1111,1111
14	00580	0,0000,0101,1000,0000
15	1BDFF	1,1011,1101,1111,1111
16	00580	0,0000,0101,1000,0000
17	1BDFF	1,1011,1101,1111,1111
18	00580	0,0000,0101,1000,0000
19	1BDFF	1,1011,1101,1111,1111
20	00580	0,0000,0101,1000,0000
21	1BDFF	1,1011,1101,1111,1111
22	00580	0,0000,0101,1000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8INTHRMAL02

```
OAPEL:  G8INTHRMAL02            ALIAS:  G8INTHRMAL02
EXT:    A                       PSID:   DI
SCLK1:  03944347:00:0           SCLK2:  03944347:71:0
SCET1:    97-126/22:49:50.866   SCET2:    97-126/22:50:38.200
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:  228                  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:    0326228001          03  26  228  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00105	0,0000,0001,0000,0101
1	1FDFF	1,1111,1101,1111,1111
2	00105	0,0000,0001,0000,0101
3	1FDFF	1,1111,1101,1111,1111
4	00105	0,0000,0001,0000,0101
5	1FDFF	1,1111,1101,1111,1111
6	00105	0,0000,0001,0000,0101
7	1FDFF	1,1111,1101,1111,1111
8	00105	0,0000,0001,0000,0101
9	1FDFF	1,1111,1101,1111,1111
10	00105	0,0000,0001,0000,0101
11	1FDFF	1,1111,1101,1111,1111
12	00105	0,0000,0001,0000,0101
13	1FDFF	1,1111,1101,1111,1111
14	00105	0,0000,0001,0000,0101
15	1FDFF	1,1111,1101,1111,1111
16	00105	0,0000,0001,0000,0101
17	1FDFF	1,1111,1101,1111,1111
18	00105	0,0000,0001,0000,0101
19	1FDFF	1,1111,1101,1111,1111
20	00105	0,0000,0001,0000,0101
21	1FDFF	1,1111,1101,1111,1111
22	00105	0,0000,0001,0000,0101
23	1FDFF	1,1111,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8INCHEMIS02

OAPEL: G8INCHEMIS02 ALIAS: G8INCHEMIS02
EXT: A PSID: DJ
SCLK1: 03944576:00:0 SCLK2: 03944576:88:0
SCET1: 97-127/02:41:23.466 SCET2: 97-127/02:42:22.800
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: 216 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: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00580	0,0000,0101,1000,0000
1	1BDFF	1,1011,1101,1111,1111
2	00580	0,0000,0101,1000,0000
3	1BDFF	1,1011,1101,1111,1111
4	00580	0,0000,0101,1000,0000
5	1BDFF	1,1011,1101,1111,1111
6	00580	0,0000,0101,1000,0000
7	1BDFF	1,1011,1101,1111,1111
8	00580	0,0000,0101,1000,0000
9	1BDFF	1,1011,1101,1111,1111
10	00580	0,0000,0101,1000,0000
11	1BDFF	1,1011,1101,1111,1111
12	00580	0,0000,0101,1000,0000
13	1BDFF	1,1011,1101,1111,1111
14	00580	0,0000,0101,1000,0000
15	1BDFF	1,1011,1101,1111,1111
16	00580	0,0000,0101,1000,0000
17	1BDFF	1,1011,1101,1111,1111
18	00580	0,0000,0101,1000,0000
19	1BDFF	1,1011,1101,1111,1111
20	00580	0,0000,0101,1000,0000
21	1BDFF	1,1011,1101,1111,1111
22	00580	0,0000,0101,1000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8INTHRMAL03

OAPEL: G8INTHRMAL03 ALIAS: G8INTHRMAL03
EXT: A PSID: DL
SCLK1: 03944610:00:0 SCLK2: 03944610:74:0
SCET1: 97-127/03:15:46.133 SCET2: 97-127/03:16:36.133
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: 228 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: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00105	0,0000,0001,0000,0101
1	1FDFF	1,1111,1101,1111,1111
2	00105	0,0000,0001,0000,0101
3	1FDFF	1,1111,1101,1111,1111
4	00105	0,0000,0001,0000,0101
5	1FDFF	1,1111,1101,1111,1111
6	00105	0,0000,0001,0000,0101
7	1FDFF	1,1111,1101,1111,1111
8	00105	0,0000,0001,0000,0101
9	1FDFF	1,1111,1101,1111,1111
10	00105	0,0000,0001,0000,0101
11	1FDFF	1,1111,1101,1111,1111
12	00105	0,0000,0001,0000,0101
13	1FDFF	1,1111,1101,1111,1111
14	00105	0,0000,0001,0000,0101
15	1FDFF	1,1111,1101,1111,1111
16	00105	0,0000,0001,0000,0101
17	1FDFF	1,1111,1101,1111,1111
18	00105	0,0000,0001,0000,0101
19	1FDFF	1,1111,1101,1111,1111
20	00105	0,0000,0001,0000,0101
21	1FDFF	1,1111,1101,1111,1111
22	00105	0,0000,0001,0000,0101
23	1FDFF	1,1111,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8INCHEMIS03

OAPEL: G8INCHEMIS03 ALIAS: G8INCHEMIS03
EXT: A PSID: DM
SCLK1: 03944612:00:0 SCLK2: 03944613:06:0
SCET1: 97-127/03:17:47.466 SCET2: 97-127/03:18:52.133
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	00580	0,0000,0101,1000,0000
1	1FDFF	1,1111,1101,1111,1111
2	00580	0,0000,0101,1000,0000
3	1FDFF	1,1111,1101,1111,1111
4	00580	0,0000,0101,1000,0000
5	1FDFF	1,1111,1101,1111,1111
6	00580	0,0000,0101,1000,0000
7	1FDFF	1,1111,1101,1111,1111
8	00580	0,0000,0101,1000,0000
9	1FDFF	1,1111,1101,1111,1111
10	00580	0,0000,0101,1000,0000
11	1FDFF	1,1111,1101,1111,1111
12	00580	0,0000,0101,1000,0000
13	1FDFF	1,1111,1101,1111,1111
14	00580	0,0000,0101,1000,0000
15	1FDFF	1,1111,1101,1111,1111
16	00580	0,0000,0101,1000,0000
17	1FDFF	1,1111,1101,1111,1111
18	00580	0,0000,0101,1000,0000
19	1FDFF	1,1111,1101,1111,1111
20	00580	0,0000,0101,1000,0000
21	1FDFF	1,1111,1101,1111,1111
22	00580	0,0000,0101,1000,0000
23	1FDFF	1,1111,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8HNDARK__02

OAPEL: G8HNDARK__02 ALIAS: G8HNDARK__02
EXT: A PSID: DK
SCLK1: 03944640:00:0 SCLK2: 03944640:89:0
SCET1: 97-127/03:46:06.133 SCET2: 97-127/03:47:06.133
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: 32 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: 0326032001 03 26 032 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FDFF	1,1111,1101,1111,1111
1	1FDFF	1,1111,1101,1111,1111
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

G8INCHEMIS07

OAPEL: G8INCHEMIS07 ALIAS: G8INCHEMIS07
EXT: A PSID: DN
SCLK1: 03944850:00:0 SCLK2: 03944851:23:0
SCET1: 97-127/07:18:26.133 SCET2: 97-127/07:19:42.133
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: 384 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: 0326384001 03 26 384 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FDFF	1,1111,1101,1111,1111
1	1FDFF	1,1111,1101,1111,1111
2	1FDFF	1,1111,1101,1111,1111
3	1FDFF	1,1111,1101,1111,1111
4	1FDFF	1,1111,1101,1111,1111
5	1FDFF	1,1111,1101,1111,1111
6	1FDFF	1,1111,1101,1111,1111
7	1FDFF	1,1111,1101,1111,1111
8	1FDFF	1,1111,1101,1111,1111
9	1FDFF	1,1111,1101,1111,1111
10	1FDFF	1,1111,1101,1111,1111
11	1FDFF	1,1111,1101,1111,1111
12	1FDFF	1,1111,1101,1111,1111
13	1FDFF	1,1111,1101,1111,1111
14	1FDFF	1,1111,1101,1111,1111
15	1FDFF	1,1111,1101,1111,1111
16	1FDFF	1,1111,1101,1111,1111
17	1FDFF	1,1111,1101,1111,1111
18	1FDFF	1,1111,1101,1111,1111
19	1FDFF	1,1111,1101,1111,1111
20	1FDFF	1,1111,1101,1111,1111
21	1FDFF	1,1111,1101,1111,1111
22	1FDFF	1,1111,1101,1111,1111
23	1FDFF	1,1111,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8INTHRMAL07

OAPEL: G8INTHRMAL07 ALIAS: G8INTHRMAL07
EXT: A PSID: DO
SCLK1: 03944856:00:0 SCLK2: 03944856:86:0
SCET1: 97-127/07:24:30.133 SCET2: 97-127/07:25:28.133
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: 228 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: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00105	0,0000,0001,0000,0101
1	1FDFF	1,1111,1101,1111,1111
2	00105	0,0000,0001,0000,0101
3	1FDFF	1,1111,1101,1111,1111
4	00105	0,0000,0001,0000,0101
5	1FDFF	1,1111,1101,1111,1111
6	00105	0,0000,0001,0000,0101
7	1FDFF	1,1111,1101,1111,1111
8	00105	0,0000,0001,0000,0101
9	1FDFF	1,1111,1101,1111,1111
10	00105	0,0000,0001,0000,0101
11	1FDFF	1,1111,1101,1111,1111
12	00105	0,0000,0001,0000,0101
13	1FDFF	1,1111,1101,1111,1111
14	00105	0,0000,0001,0000,0101
15	1FDFF	1,1111,1101,1111,1111
16	00105	0,0000,0001,0000,0101
17	1FDFF	1,1111,1101,1111,1111
18	00105	0,0000,0001,0000,0101
19	1FDFF	1,1111,1101,1111,1111
20	00105	0,0000,0001,0000,0101
21	1FDFF	1,1111,1101,1111,1111
22	00105	0,0000,0001,0000,0101
23	1FDFF	1,1111,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8INVOLCAN01

OAPEL: G8INVOLCAN01 ALIAS: G8INVOLCAN01
EXT: A PSID: DP
SCLK1: 03944860:00:0 SCLK2: 03944860:83:0
SCET1: 97-127/07:28:32.800 SCET2: 97-127/07:29:28.800
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: 228 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: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	18100	1,1000,0001,0000,0000
1	1FDFF	1,1111,1101,1111,1111
2	18100	1,1000,0001,0000,0000
3	1FDFF	1,1111,1101,1111,1111
4	18100	1,1000,0001,0000,0000
5	1FDFF	1,1111,1101,1111,1111
6	18100	1,1000,0001,0000,0000
7	1FDFF	1,1111,1101,1111,1111
8	18100	1,1000,0001,0000,0000
9	1FDFF	1,1111,1101,1111,1111
10	18100	1,1000,0001,0000,0000
11	1FDFF	1,1111,1101,1111,1111
12	18100	1,1000,0001,0000,0000
13	1FDFF	1,1111,1101,1111,1111
14	18100	1,1000,0001,0000,0000
15	1FDFF	1,1111,1101,1111,1111
16	18100	1,1000,0001,0000,0000
17	1FDFF	1,1111,1101,1111,1111
18	18100	1,1000,0001,0000,0000
19	1FDFF	1,1111,1101,1111,1111
20	18100	1,1000,0001,0000,0000
21	1FDFF	1,1111,1101,1111,1111
22	18100	1,1000,0001,0000,0000
23	1FDFF	1,1111,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8INVOLCAN02

```
OAPEL:  G8INVOLCAN02              ALIAS:  G8INVOLCAN02
EXT:    A                         PSID:   DQ
SCLK1:  03945039:00:0             SCLK2:  03945039:76:0
SCET1:    97-127/10:29:32.133     SCET2:    97-127/10:30:22.800
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:  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	18100	1,1000,0001,0000,0000
1	1FDFF	1,1111,1101,1111,1111
2	18100	1,1000,0001,0000,0000
3	1FDFF	1,1111,1101,1111,1111
4	18100	1,1000,0001,0000,0000
5	1FDFF	1,1111,1101,1111,1111
6	18100	1,1000,0001,0000,0000
7	1FDFF	1,1111,1101,1111,1111
8	18100	1,1000,0001,0000,0000
9	1FDFF	1,1111,1101,1111,1111
10	18100	1,1000,0001,0000,0000
11	1FDFF	1,1111,1101,1111,1111
12	18100	1,1000,0001,0000,0000
13	1FDFF	1,1111,1101,1111,1111
14	18100	1,1000,0001,0000,0000
15	1FDFF	1,1111,1101,1111,1111
16	18100	1,1000,0001,0000,0000
17	1FDFF	1,1111,1101,1111,1111
18	18100	1,1000,0001,0000,0000
19	1FDFF	1,1111,1101,1111,1111
20	18100	1,1000,0001,0000,0000
21	1FDFF	1,1111,1101,1111,1111
22	18100	1,1000,0001,0000,0000
23	1FDFF	1,1111,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8INVOLCAN03

```
OAPEL:  G8INVOLCAN03              ALIAS:  G8INVOLCAN03
EXT:    A                         PSID:   DR
SCLK1:  03945045:00:0             SCLK2:  03945046:09:0
SCET1:    97-127/10:35:36.133     SCET2:    97-127/10:36:43.466
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:  216                    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:    0326216001          03  26  216  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	18100	1,1000,0001,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	18100	1,1000,0001,0000,0000
3	1BDFF	1,1011,1101,1111,1111
4	18100	1,1000,0001,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	18100	1,1000,0001,0000,0000
7	1BDFF	1,1011,1101,1111,1111
8	18100	1,1000,0001,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	18100	1,1000,0001,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	18100	1,1000,0001,0000,0000
13	1BDFF	1,1011,1101,1111,1111
14	18100	1,1000,0001,0000,0000
15	1BDFF	1,1011,1101,1111,1111
16	18100	1,1000,0001,0000,0000
17	1BDFF	1,1011,1101,1111,1111
18	18100	1,1000,0001,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	18100	1,1000,0001,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	18100	1,1000,0001,0000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8INCHEMIS04

OAPEL: G8INCHEMIS04 ALIAS: G8INCHEMIS04
EXT: A PSID: DS
SCLK1: 03945078:00:0 SCLK2: 03945078:89:0
SCET1: 97-127/11:08:58.133 SCET2: 97-127/11:09:57.466
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: 216 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: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00580	0,0000,0101,1000,0000
1	1BDFF	1,1011,1101,1111,1111
2	00580	0,0000,0101,1000,0000
3	1BDFF	1,1011,1101,1111,1111
4	00580	0,0000,0101,1000,0000
5	1BDFF	1,1011,1101,1111,1111
6	00580	0,0000,0101,1000,0000
7	1BDFF	1,1011,1101,1111,1111
8	00580	0,0000,0101,1000,0000
9	1BDFF	1,1011,1101,1111,1111
10	00580	0,0000,0101,1000,0000
11	1BDFF	1,1011,1101,1111,1111
12	00580	0,0000,0101,1000,0000
13	1BDFF	1,1011,1101,1111,1111
14	00580	0,0000,0101,1000,0000
15	1BDFF	1,1011,1101,1111,1111
16	00580	0,0000,0101,1000,0000
17	1BDFF	1,1011,1101,1111,1111
18	00580	0,0000,0101,1000,0000
19	1BDFF	1,1011,1101,1111,1111
20	00580	0,0000,0101,1000,0000
21	1BDFF	1,1011,1101,1111,1111
22	00580	0,0000,0101,1000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8INTHRMAL04

OAPEL: G8INTHRMAL04 ALIAS: G8INTHRMAL04
EXT: A PSID: DT
SCLK1: 03945084:00:0 SCLK2: 03945084:86:0
SCET1: 97-127/11:15:02.133 SCET2: 97-127/11:15:59.466
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: 216 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: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00105	0,0000,0001,0000,0101
1	1BDFF	1,1011,1101,1111,1111
2	00105	0,0000,0001,0000,0101
3	1BDFF	1,1011,1101,1111,1111
4	00105	0,0000,0001,0000,0101
5	1BDFF	1,1011,1101,1111,1111
6	00105	0,0000,0001,0000,0101
7	1BDFF	1,1011,1101,1111,1111
8	00105	0,0000,0001,0000,0101
9	1BDFF	1,1011,1101,1111,1111
10	00105	0,0000,0001,0000,0101
11	1BDFF	1,1011,1101,1111,1111
12	00105	0,0000,0001,0000,0101
13	1BDFF	1,1011,1101,1111,1111
14	00105	0,0000,0001,0000,0101
15	1BDFF	1,1011,1101,1111,1111
16	00105	0,0000,0001,0000,0101
17	1BDFF	1,1011,1101,1111,1111
18	00105	0,0000,0001,0000,0101
19	1BDFF	1,1011,1101,1111,1111
20	00105	0,0000,0001,0000,0101
21	1BDFF	1,1011,1101,1111,1111
22	00105	0,0000,0001,0000,0101
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8INVOLCAN04

```
OAPEL:  G8INVOLCAN04              ALIAS:  G8INVOLCAN04
EXT:    A                         PSID:   DU
SCLK1:  03945138:00:0             SCLK2:  03945141:30:0
SCET1:    97-127/12:09:38.133     SCET2:    97-127/12:13:00.133
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:  216                    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:    0326216001          03  26  216  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	18100	1,1000,0001,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	18100	1,1000,0001,0000,0000
3	1BDFF	1,1011,1101,1111,1111
4	18100	1,1000,0001,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	18100	1,1000,0001,0000,0000
7	1BDFF	1,1011,1101,1111,1111
8	18100	1,1000,0001,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	18100	1,1000,0001,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	18100	1,1000,0001,0000,0000
13	1BDFF	1,1011,1101,1111,1111
14	18100	1,1000,0001,0000,0000
15	1BDFF	1,1011,1101,1111,1111
16	18100	1,1000,0001,0000,0000
17	1BDFF	1,1011,1101,1111,1111
18	18100	1,1000,0001,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	18100	1,1000,0001,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	18100	1,1000,0001,0000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8GNOSIRIS01

OAPEL: G8GNOSIRIS01 ALIAS: G8GNOSIRIS01
EXT: A PSID: DW
SCLK1: 03945197:00:0 SCLK2: 03945208:11:0
SCET1: 97-127/13:09:17.466 SCET2: 97-127/13:20:32.133
TARGET: GANYMEDE 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: 216 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: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	01C00	0,0001,1100,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	01C00	0,0001,1100,0000,0000
3	1BDFF	1,1011,1101,1111,1111
4	01C00	0,0001,1100,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	01C00	0,0001,1100,0000,0000
7	1BDFF	1,1011,1101,1111,1111
8	01C00	0,0001,1100,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	01C00	0,0001,1100,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	01C00	0,0001,1100,0000,0000
13	1BDFF	1,1011,1101,1111,1111
14	01C00	0,0001,1100,0000,0000
15	1BDFF	1,1011,1101,1111,1111
16	01C00	0,0001,1100,0000,0000
17	1BDFF	1,1011,1101,1111,1111
18	01C00	0,0001,1100,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	01C00	0,0001,1100,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	01C00	0,0001,1100,0000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8GNURUK__01

OAPEL: G8GNURUK__01 ALIAS: G8GNURUK__01
EXT: A PSID: DY
SCLK1: 03945283:00:0 SCLK2: 03945301:73:0
SCET1: 97-127/14:36:14.800 SCET2: 97-127/14:55:16.133
TARGET: GANYMEDE 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: 216 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: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	01C00	0,0001,1100,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	01C00	0,0001,1100,0000,0000
3	1BDFF	1,1011,1101,1111,1111
4	01C00	0,0001,1100,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	01C00	0,0001,1100,0000,0000
7	1BDFF	1,1011,1101,1111,1111
8	01C00	0,0001,1100,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	01C00	0,0001,1100,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	01C00	0,0001,1100,0000,0000
13	1BDFF	1,1011,1101,1111,1111
14	01C00	0,0001,1100,0000,0000
15	1BDFF	1,1011,1101,1111,1111
16	01C00	0,0001,1100,0000,0000
17	1BDFF	1,1011,1101,1111,1111
18	01C00	0,0001,1100,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	01C00	0,0001,1100,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	01C00	0,0001,1100,0000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8GNTRANSI01

OAPEL: G8GNTRANSI01 ALIAS: G8GNTRANSI01
EXT: A PSID: DZ
SCLK1: 03945304:00:0 SCLK2: 03945311:38:0
SCET1: 97-127/14:57:28.800 SCET2: 97-127/15:04:59.466
TARGET: GANYMEDE 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: 216 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: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	01C00	0,0001,1100,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	01C00	0,0001,1100,0000,0000
3	1BDFF	1,1011,1101,1111,1111
4	01C00	0,0001,1100,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	01C00	0,0001,1100,0000,0000
7	1BDFF	1,1011,1101,1111,1111
8	01C00	0,0001,1100,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	01C00	0,0001,1100,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	01C00	0,0001,1100,0000,0000
13	1BDFF	1,1011,1101,1111,1111
14	01C00	0,0001,1100,0000,0000
15	1BDFF	1,1011,1101,1111,1111
16	01C00	0,0001,1100,0000,0000
17	1BDFF	1,1011,1101,1111,1111
18	01C00	0,0001,1100,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	01C00	0,0001,1100,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	01C00	0,0001,1100,0000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8GNLIDARK01

OAPEL: G8GNLIDARK01 ALIAS: G8GNLIDARK01
EXT: A PSID: EA
SCLK1: 03945314:00:0 SCLK2: 03945319:71:0
SCET1: 97-127/15:07:35.466 SCET2: 97-127/15:13:26.133
TARGET: GANYMEDE 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: 216 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: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	01C00	0,0001,1100,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	01C00	0,0001,1100,0000,0000
3	1BDFF	1,1011,1101,1111,1111
4	01C00	0,0001,1100,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	01C00	0,0001,1100,0000,0000
7	1BDFF	1,1011,1101,1111,1111
8	01C00	0,0001,1100,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	01C00	0,0001,1100,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	01C00	0,0001,1100,0000,0000
13	1BDFF	1,1011,1101,1111,1111
14	01C00	0,0001,1100,0000,0000
15	1BDFF	1,1011,1101,1111,1111
16	01C00	0,0001,1100,0000,0000
17	1BDFF	1,1011,1101,1111,1111
18	01C00	0,0001,1100,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	01C00	0,0001,1100,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	01C00	0,0001,1100,0000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8GNMELKAR01

OAPEL: G8GNMELKAR01 ALIAS: G8GNMELKAR01
EXT: A PSID: EB
SCLK1: 03945333:00:0 SCLK2: 03945341:34:0
SCET1: 97-127/15:26:48.133 SCET2: 97-127/15:35:16.133
TARGET: GANYMEDE 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: 216 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: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	01C00	0,0001,1100,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	01C00	0,0001,1100,0000,0000
3	1BDFF	1,1011,1101,1111,1111
4	01C00	0,0001,1100,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	01C00	0,0001,1100,0000,0000
7	1BDFF	1,1011,1101,1111,1111
8	01C00	0,0001,1100,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	01C00	0,0001,1100,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	01C00	0,0001,1100,0000,0000
13	1BDFF	1,1011,1101,1111,1111
14	01C00	0,0001,1100,0000,0000
15	1BDFF	1,1011,1101,1111,1111
16	01C00	0,0001,1100,0000,0000
17	1BDFF	1,1011,1101,1111,1111
18	01C00	0,0001,1100,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	01C00	0,0001,1100,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	01C00	0,0001,1100,0000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8GNDARTRL01

OAPEL: G8GNDARTRL01 ALIAS: G8GNDARTRL01
EXT: A PSID: EC
SCLK1: 03945347:00:0 SCLK2: 03945353:55:0
SCET1: 97-127/15:40:57.466 SCET2: 97-127/15:47:38.133
TARGET: GANYMEDE 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: 384 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: 0326384001 03 26 384 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FDFF	1,1111,1101,1111,1111
1	1FDFF	1,1111,1101,1111,1111
2	1FDFF	1,1111,1101,1111,1111
3	1FDFF	1,1111,1101,1111,1111
4	1FDFF	1,1111,1101,1111,1111
5	1FDFF	1,1111,1101,1111,1111
6	1FDFF	1,1111,1101,1111,1111
7	1FDFF	1,1111,1101,1111,1111
8	1FDFF	1,1111,1101,1111,1111
9	1FDFF	1,1111,1101,1111,1111
10	1FDFF	1,1111,1101,1111,1111
11	1FDFF	1,1111,1101,1111,1111
12	1FDFF	1,1111,1101,1111,1111
13	1FDFF	1,1111,1101,1111,1111
14	1FDFF	1,1111,1101,1111,1111
15	1FDFF	1,1111,1101,1111,1111
16	1FDFF	1,1111,1101,1111,1111
17	1FDFF	1,1111,1101,1111,1111
18	1FDFF	1,1111,1101,1111,1111
19	1FDFF	1,1111,1101,1111,1111
20	1FDFF	1,1111,1101,1111,1111
21	1FDFF	1,1111,1101,1111,1111
22	1FDFF	1,1111,1101,1111,1111
23	1FDFF	1,1111,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8INCHEMIS05

```
OAPEL:  G8INCHEMIS05              ALIAS:  G8INCHEMIS05
EXT:    A                         PSID:   ED
SCLK1:  03945533:00:0             SCLK2:  03945533:83:0
SCET1:    97-127/18:49:01.466     SCET2:    97-127/18:49:57.466
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:  216                    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:    0326216001          03  26  216  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00580	0,0000,0101,1000,0000
1	1BDFF	1,1011,1101,1111,1111
2	00580	0,0000,0101,1000,0000
3	1BDFF	1,1011,1101,1111,1111
4	00580	0,0000,0101,1000,0000
5	1BDFF	1,1011,1101,1111,1111
6	00580	0,0000,0101,1000,0000
7	1BDFF	1,1011,1101,1111,1111
8	00580	0,0000,0101,1000,0000
9	1BDFF	1,1011,1101,1111,1111
10	00580	0,0000,0101,1000,0000
11	1BDFF	1,1011,1101,1111,1111
12	00580	0,0000,0101,1000,0000
13	1BDFF	1,1011,1101,1111,1111
14	00580	0,0000,0101,1000,0000
15	1BDFF	1,1011,1101,1111,1111
16	00580	0,0000,0101,1000,0000
17	1BDFF	1,1011,1101,1111,1111
18	00580	0,0000,0101,1000,0000
19	1BDFF	1,1011,1101,1111,1111
20	00580	0,0000,0101,1000,0000
21	1BDFF	1,1011,1101,1111,1111
22	00580	0,0000,0101,1000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8INTHRMAL05

OAPEL: G8INTHRMAL05 ALIAS: G8INTHRMAL05
EXT: A PSID: EE
SCLK1: 03945539:00:0 SCLK2: 03945539:75:0
SCET1: 97-127/18:55:05.466 SCET2: 97-127/18:55:56.133
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: 216 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: 0326216001 03 26 216 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00105	0,0000,0001,0000,0101
1	1BDFF	1,1011,1101,1111,1111
2	00105	0,0000,0001,0000,0101
3	1BDFF	1,1011,1101,1111,1111
4	00105	0,0000,0001,0000,0101
5	1BDFF	1,1011,1101,1111,1111
6	00105	0,0000,0001,0000,0101
7	1BDFF	1,1011,1101,1111,1111
8	00105	0,0000,0001,0000,0101
9	1BDFF	1,1011,1101,1111,1111
10	00105	0,0000,0001,0000,0101
11	1BDFF	1,1011,1101,1111,1111
12	00105	0,0000,0001,0000,0101
13	1BDFF	1,1011,1101,1111,1111
14	00105	0,0000,0001,0000,0101
15	1BDFF	1,1011,1101,1111,1111
16	00105	0,0000,0001,0000,0101
17	1BDFF	1,1011,1101,1111,1111
18	00105	0,0000,0001,0000,0101
19	1BDFF	1,1011,1101,1111,1111
20	00105	0,0000,0001,0000,0101
21	1BDFF	1,1011,1101,1111,1111
22	00105	0,0000,0001,0000,0101
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8NNHEALTH02

OAPEL: G8NNHEALTH02 ALIAS: G8NNHEALTH02
EXT: R PSID: KN
SCLK1: 03945673:00:0 SCLK2: 03945673:12:0
SCET1: 1997-127/21:10:34.800 SCET2: 1997-127/21:10:42.800
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

G8JNFEA04101

```
OAPEL:  G8JNFEA04101            ALIAS:  G8JNFEA04101
EXT:    A                       PSID:   EH
SCLK1:  03945691:00:0           SCLK2:  03945692:58:0
SCET1:    97-127/21:28:46.800   SCET2:    97-127/21:30:26.133
TARGET: JUPITER                 PARTITION: 1

MODE:      5                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 1 4 6          PTAB_B:    1 1 0 1 4 6
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:   43                  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:    0507043001          05  07  043  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0DC00	0,1101,1100,0000,0000
1	1DD81	1,1101,1101,1000,0001
2	1B980	1,1011,1001,1000,0000
3	0BD82	0,1011,1101,1000,0010
4	0BD80	0,1011,1101,1000,0000
5	1B881	1,1011,1000,1000,0001
6	00000	0,0000,0000,0000,0000

G8JNFEA04101

OAPEL: G8JNFEA04101 ALIAS: G8JNFEA04101
EXT: B PSID: EH
SCLK1: 03945691:00:0 SCLK2: 03945692:58:0
SCET1: 97-127/21:28:46.800 SCET2: 97-127/21:30:26.133
TARGET: JUPITER PARTITION: 1

MODE: 5 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 1 4 6 PTAB_B: 1 1 0 1 4 6
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: 25 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: 0507025001 05 07 025 001
WTGRP_SIZ: 7

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	02070	0,0010,0000,0111,0000
1	02070	0,0010,0000,0111,0000
2	04070	0,0100,0000,0111,0000
3	04270	0,0100,0010,0111,0000
4	04270	0,0100,0010,0111,0000
5	04440	0,0100,0100,0100,0000
6	00000	0,0000,0000,0000,0000

G8JNFEA04102

OAPEL: G8JNFEA04102 ALIAS: G8JNFEA04102
EXT: A PSID: EI
SCLK1: 03945774:00:0 SCLK2: 03945775:58:0
SCET1: 97-127/22:52:42.133 SCET2: 97-127/22:54:21.466
TARGET: JUPITER PARTITION: 1

MODE: 5 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 1 4 6 PTAB_B: 1 1 0 1 4 6
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: 68 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: 0507068001 05 07 068 001
WTGRP_SIZ: 7

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8INCHEMIS06

```
OAPEL:  G8INCHEMIS06              ALIAS:  G8INCHEMIS06
EXT:    A                         PSID:   EF
SCLK1:  03945781:00:0             SCLK2:  03945782:20:0
SCET1:    97-127/22:59:46.800     SCET2:    97-127/23:01:00.800
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:  216                    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:    0326216001          03  26  216  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00580	0,0000,0101,1000,0000
1	1BDFF	1,1011,1101,1111,1111
2	00580	0,0000,0101,1000,0000
3	1BDFF	1,1011,1101,1111,1111
4	00580	0,0000,0101,1000,0000
5	1BDFF	1,1011,1101,1111,1111
6	00580	0,0000,0101,1000,0000
7	1BDFF	1,1011,1101,1111,1111
8	00580	0,0000,0101,1000,0000
9	1BDFF	1,1011,1101,1111,1111
10	00580	0,0000,0101,1000,0000
11	1BDFF	1,1011,1101,1111,1111
12	00580	0,0000,0101,1000,0000
13	1BDFF	1,1011,1101,1111,1111
14	00580	0,0000,0101,1000,0000
15	1BDFF	1,1011,1101,1111,1111
16	00580	0,0000,0101,1000,0000
17	1BDFF	1,1011,1101,1111,1111
18	00580	0,0000,0101,1000,0000
19	1BDFF	1,1011,1101,1111,1111
20	00580	0,0000,0101,1000,0000
21	1BDFF	1,1011,1101,1111,1111
22	00580	0,0000,0101,1000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8INTHRMAL06

```
OAPEL:  G8INTHRMAL06              ALIAS:  G8INTHRMAL06
EXT:    A                         PSID:   EG
SCLK1:  03945788:00:0             SCLK2:  03945788:76:0
SCET1:    97-127/23:06:51.466     SCET2:    97-127/23:07:42.133
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:  216                    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:    0326216001          03  26  216  001
WTGRP_SIZ: 26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00105	0,0000,0001,0000,0101
1	1BDFF	1,1011,1101,1111,1111
2	00105	0,0000,0001,0000,0101
3	1BDFF	1,1011,1101,1111,1111
4	00105	0,0000,0001,0000,0101
5	1BDFF	1,1011,1101,1111,1111
6	00105	0,0000,0001,0000,0101
7	1BDFF	1,1011,1101,1111,1111
8	00105	0,0000,0001,0000,0101
9	1BDFF	1,1011,1101,1111,1111
10	00105	0,0000,0001,0000,0101
11	1BDFF	1,1011,1101,1111,1111
12	00105	0,0000,0001,0000,0101
13	1BDFF	1,1011,1101,1111,1111
14	00105	0,0000,0001,0000,0101
15	1BDFF	1,1011,1101,1111,1111
16	00105	0,0000,0001,0000,0101
17	1BDFF	1,1011,1101,1111,1111
18	00105	0,0000,0001,0000,0101
19	1BDFF	1,1011,1101,1111,1111
20	00105	0,0000,0001,0000,0101
21	1BDFF	1,1011,1101,1111,1111
22	00105	0,0000,0001,0000,0101
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8JNFEA04103

```
OAPEL:  G8JNFEA04103            ALIAS:  G8JNFEA04103
EXT:    A                       PSID:   EJ
SCLK1:  03945820:00:0           SCLK2:  03945821:57:0
SCET1:    97-127/23:39:12.800   SCET2:    97-127/23:40:52.133
TARGET: JUPITER                 PARTITION: 1

MODE:      5                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 1 4 6          PTAB_B:    1 1 0 1 4 6
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:   68                  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:    0507068001          05  07  068  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8ENCOOLCV01

```
OAPEL:  G8ENCOOLCV01            ALIAS:  G8ENCOOLCV01
EXT:    R                       PSID:   EK
SCLK1:  03945827:00:0           SCLK2:  03945831:12:0
SCET1:  1997-127/23:46:17.466   SCET2:  1997-127/23:50:28.133
TARGET: EUROPA                  PARTITION: 1

MODE:      5                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 1 4 6          PTAB_B:    1 1 0 1 4 6
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:  051                  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:    0506051000          05  06  051  000
WTGRP_SIZ:  6
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FDFF	1,1111,1101,1111,1111
1	00000	0,0000,0000,0000,0000
2	1FDFF	1,1111,1101,1111,1111
3	1FC00	1,1111,1100,0000,0000
4	1F800	1,1111,1000,0000,0000
5	1F800	1,1111,1000,0000,0000
6	00000	0,0000,0000,0000,0000

G8ENWARMCV01

```
OAPEL:  G8ENWARMCV01            ALIAS:  G8ENWARMCV01
EXT:    R                       PSID:   EL
SCLK1:  03945965:00:0           SCLK2:  03945969:12:0
SCET1:  1997-128/02:05:49.466   SCET2:  1997-128/02:10:00.133
TARGET: EUROPA                  PARTITION: 1

MODE:      5                    GAIN:      4
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 1 4 6          PTAB_B:    1 1 0 1 4 6
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:  051                  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:    0506051000          05  06  051  000
WTGRP_SIZ:  6
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FDFF	1,1111,1101,1111,1111
1	00000	0,0000,0000,0000,0000
2	1FDFF	1,1111,1101,1111,1111
3	1FC00	1,1111,1100,0000,0000
4	1F800	1,1111,1000,0000,0000
5	1F800	1,1111,1000,0000,0000
6	00000	0,0000,0000,0000,0000

G8JNPFTB1001

OAPEL: G8JNPFTB1001 ALIAS: G8JNPFTB1001
EXT: A PSID: EM
SCLK1: 03946355:00:0 SCLK2: 03946361:83:0
SCET1: 97-128/08:40:09.400 SCET2: 97-128/08:47:08.733
TARGET: JUPITER PARTITION: 1

MODE: 5 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 1 4 6 PTAB_B: 1 1 0 1 4 6
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 11100 MB_UP: 00111
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 43 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: 0507043001 05 07 043 001
WTGRP_SIZ: 7

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0DC00	0,1101,1100,0000,0000
1	1DD81	1,1101,1101,1000,0001
2	1B980	1,1011,1001,1000,0000
3	0BD82	0,1011,1101,1000,0010
4	0BD80	0,1011,1101,1000,0000
5	1B881	1,1011,1000,1000,0001
6	00000	0,0000,0000,0000,0000

G8JNPFTB1001

```
OAPEL:  G8JNPFTB1001            ALIAS:  G8JNPFTB1001
EXT:    B                       PSID:   EM
SCLK1:  03946355:00:0           SCLK2:  03946361:83:0
SCET1:    97-128/08:40:09.400   SCET2:    97-128/08:47:08.733
TARGET: JUPITER                 PARTITION: 1

MODE:      5                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 1 4 6          PTAB_B:    1 1 0 1 4 6
ECAL:      0                    OPCAL:     0
R/T:       0                    RECORD:    1

MB_DOWN:   11100                MB_UP:     00111
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   25                  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:    0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	02070	0,0010,0000,0111,0000
1	02070	0,0010,0000,0111,0000
2	04070	0,0100,0000,0111,0000
3	04270	0,0100,0010,0111,0000
4	04270	0,0100,0010,0111,0000
5	04440	0,0100,0100,0100,0000
6	00000	0,0000,0000,0000,0000

G8JNFEASUB01

OAPEL: G8JNFEASUB01 ALIAS: G8JNFEASUB01
EXT: A PSID: EO
SCLK1: 03946389:00:0 SCLK2: 03946394:83:0
SCET1: 97-128/09:14:32.066 SCET2: 97-128/09:20:31.400
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: 11100 MB_UP: 00111
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 253 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: 0326253001 03 26 253 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	17FC0	1,0111,1111,1100,0000
1	17FC0	1,0111,1111,1100,0000
2	17FC0	1,0111,1111,1100,0000
3	17FC0	1,0111,1111,1100,0000
4	17FC0	1,0111,1111,1100,0000
5	17FC0	1,0111,1111,1100,0000
6	17FC0	1,0111,1111,1100,0000
7	1FFC0	1,1111,1111,1100,0000
8	1FF80	1,1111,1111,1000,0000
9	1FFC0	1,1111,1111,1100,0000
10	0FFC0	0,1111,1111,1100,0000
11	0FFC0	0,1111,1111,1100,0000
12	0FFC0	0,1111,1111,1100,0000
13	0FFC0	0,1111,1111,1100,0000
14	0FFC0	0,1111,1111,1100,0000
15	0FFC0	0,1111,1111,1100,0000
16	1FF80	1,1111,1111,1000,0000
17	1FF80	1,1111,1111,1000,0000
18	1FF00	1,1111,1111,0000,0000
19	1FF00	1,1111,1111,0000,0000
20	1FF80	1,1111,1111,1000,0000
21	1FF80	1,1111,1111,1000,0000
22	1FF80	1,1111,1111,1000,0000
23	1FF80	1,1111,1111,1000,0000
24	0D780	0,1101,0111,1000,0000
25	05780	0,0101,0111,1000,0000

G8JNFEAP1001

```
OAPEL:  G8JNFEAP1001            ALIAS:  G8JNFEAP1001
EXT:    A                       PSID:   EP
SCLK1:  03946400:00:0           SCLK2:  03946404:85:0
SCET1:    97-128/09:25:39.400   SCET2:    97-128/09:30:38.733
TARGET: JUPITER                 PARTITION: 1

MODE:      5                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 1 4 6          PTAB_B:    1 1 0 1 4 6
ECAL:      0                    OPCAL:     0
R/T:       0                    RECORD:    1

MB_DOWN:   11100                MB_UP:     00111
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   68                  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:    0507068001          05  07  068  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8JNPFTB1002

```
OAPEL:  G8JNPFTB1002            ALIAS:  G8JNPFTB1002
EXT:    A                       PSID:   EQ
SCLK1:  03946410:00:0           SCLK2:  03946416:83:0
SCET1:    97-128/09:35:46.066   SCET2:    97-128/09:42:45.400
TARGET: JUPITER                 PARTITION: 1

MODE:      5                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 1 4 6          PTAB_B:    1 1 0 1 4 6
ECAL:      0                    OPCAL:     0
R/T:       0                    RECORD:    1

MB_DOWN:   11100                MB_UP:     00111
COMP_FLAG: 1
EST_COMP:  2.0                  EST_COMPV: 0.3
RATE_CON1: 00000                RATE_CON2: 65525
NWAVETOT:   68                  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:    0507068001          05  07  068  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8ENEURORT01

OAPEL: G8ENEURORT01 ALIAS: G8ENEURORT01
EXT: R PSID: KA
SCLK1: 03946441:00:0 SCLK2: 03946441:12:0
SCET1: 1997-128/10:07:06.733 SCET2: 1997-128/10:07:14.733
TARGET: EUROPA 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

G8JNFEA01001

```
OAPEL:  G8JNFEA01001            ALIAS:  G8JNFEA01001
EXT:    A                       PSID:   ER
SCLK1:  03946497:00:0           SCLK2:  03946498:57:0
SCET1:    97-128/11:03:44.066   SCET2:    97-128/11:05:23.400
TARGET: JUPITER                 PARTITION: 1

MODE:      5                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 1 4 6          PTAB_B:    1 1 0 1 4 6
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:   68                  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:    0507068001          05  07  068  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8JNPFTB1003

```
OAPEL:  G8JNPFTB1003              ALIAS:  G8JNPFTB1003
EXT:    A                         PSID:   ES
SCLK1:  03946508:00:0             SCLK2:  03946514:83:0
SCET1:    97-128/11:14:51.400     SCET2:    97-128/11:21:50.733
TARGET: JUPITER                   PARTITION: 1

MODE:      5                      GAIN:      2
CHOP:      1                      GRAT_OFF:  4
PTAB_A:    1 1 0 1 4 6            PTAB_B:    1 1 0 1 4 6
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:   68                    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:    0507068001          05  07  068  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8JNFEAP1002

```
OAPEL:  G8JNFEAP1002            ALIAS:  G8JNFEAP1002
EXT:    A                       PSID:   ET
SCLK1:  03946520:00:0           SCLK2:  03946524:85:0
SCET1:    97-128/11:26:59.400   SCET2:    97-128/11:31:58.733
TARGET: JUPITER                 PARTITION: 1

MODE:      5                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 1 4 6          PTAB_B:    1 1 0 1 4 6
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:   68                  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:    0507068001          05  07  068  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8NNHEALTH04

```
OAPEL:  G8NNHEALTH04            ALIAS:  G8NNHEALTH04
EXT:    R                       PSID:   KP
SCLK1:  03947017:00:0           SCLK2:  03947017:12:0
SCET1:  1997-128/19:49:30.733   SCET2:  1997-128/19:49:38.733
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

G8JNFEAP7101

```
OAPEL:  G8JNFEAP7101            ALIAS:  G8JNFEAP7101
EXT:    A                       PSID:   EU
SCLK1:  03947029:00:0           SCLK2:  03947033:85:0
SCET1:    97-128/20:01:38.733   SCET2:    97-128/20:06:38.066
TARGET: JUPITER                 PARTITION: 1

MODE:      5                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 1 4 6          PTAB_B:    1 1 0 1 4 6
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:   68                  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:    0507068001          05  07  068  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8JNPFTB7101

OAPEL: G8JNPFTB7101 ALIAS: G8JNPFTB7101
EXT: A PSID: EV
SCLK1: 03947040:00:0 SCLK2: 03947046:83:0
SCET1: 97-128/20:12:46.066 SCET2: 97-128/20:19:45.400
TARGET: JUPITER PARTITION: 1

MODE: 5 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 1 4 6 PTAB_B: 1 1 0 1 4 6
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: 43 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: 0507043001 05 07 043 001
WTGRP_SIZ: 7

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0DC00	0,1101,1100,0000,0000
1	1DD81	1,1101,1101,1000,0001
2	1B980	1,1011,1001,1000,0000
3	0BD82	0,1011,1101,1000,0010
4	0BD80	0,1011,1101,1000,0000
5	1B881	1,1011,1000,1000,0001
6	00000	0,0000,0000,0000,0000

G8JNPFTB7101

```
OAPEL:  G8JNPFTB7101              ALIAS:  G8JNPFTB7101
EXT:    B                         PSID:   EV
SCLK1:  03947040:00:0             SCLK2:  03947046:83:0
SCET1:    97-128/20:12:46.066     SCET2:    97-128/20:19:45.400
TARGET: JUPITER                   PARTITION: 1

MODE:      5                      GAIN:      2
CHOP:      1                      GRAT_OFF:  4
PTAB_A:    1 1 0 1 4 6            PTAB_B:    1 1 0 1 4 6
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:   25                    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:    0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	02070	0,0010,0000,0111,0000
1	02070	0,0010,0000,0111,0000
2	04070	0,0100,0000,0111,0000
3	04270	0,0100,0010,0111,0000
4	04270	0,0100,0010,0111,0000
5	04440	0,0100,0100,0100,0000
6	00000	0,0000,0000,0000,0000

G8JNPFTB7102

```
OAPEL:  G8JNPFTB7102            ALIAS:  G8JNPFTB7102
EXT:    A                       PSID:   EW
SCLK1:  03947091:00:0           SCLK2:  03947097:83:0
SCET1:    97-128/21:04:20.066   SCET2:    97-128/21:11:19.400
TARGET: JUPITER                 PARTITION: 1

MODE:      5                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 1 4 6          PTAB_B:    1 1 0 1 4 6
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:   68                  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:    0507068001          05  07  068  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8JNFEAP7102

```
OAPEL:  G8JNFEAP7102            ALIAS:  G8JNFEAP7102
EXT:    A                       PSID:   EX
SCLK1:  03947104:00:0           SCLK2:  03947108:84:0
SCET1:    97-128/21:17:28.733   SCET2:    97-128/21:22:28.066
TARGET: JUPITER                 PARTITION: 1

MODE:      5                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 1 4 6          PTAB_B:    1 1 0 1 4 6
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:   68                  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:    0507068001          05  07  068  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8JNFEA53M01

OAPEL: G8JNFEA53M01 ALIAS: G8JNFEA53M01
EXT: A PSID: EY
SCLK1: 03947152:06:0 SCLK2: 03947158:02:0
SCET1: 97-128/22:06:04.733 SCET2: 97-128/22:12:06.733
TARGET: JUPITER 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: 157 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: 0326157001 03 26 157 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	01183	0,0001,0001,1000,0011
1	0118B	0,0001,0001,1000,1011
2	0118F	0,0001,0001,1000,1111
3	0118F	0,0001,0001,1000,1111
4	0118F	0,0001,0001,1000,1111
5	0118F	0,0001,0001,1000,1111
6	0118F	0,0001,0001,1000,1111
7	0018F	0,0000,0001,1000,1111
8	0018F	0,0000,0001,1000,1111
9	0018F	0,0000,0001,1000,1111
10	0018F	0,0000,0001,1000,1111
11	0018F	0,0000,0001,1000,1111
12	0018F	0,0000,0001,1000,1111
13	0018F	0,0000,0001,1000,1111
14	0018F	0,0000,0001,1000,1111
15	0018F	0,0000,0001,1000,1111
16	0018F	0,0000,0001,1000,1111
17	0019F	0,0000,0001,1001,1111
18	0019F	0,0000,0001,1001,1111
19	0219F	0,0010,0001,1001,1111
20	0219F	0,0010,0001,1001,1111
21	0211F	0,0010,0001,0001,1111
22	0211F	0,0010,0001,0001,1111
23	0211F	0,0010,0001,0001,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8JNTHRMNS02

OAPEL: G8JNTHRMNS02 ALIAS: G8JNTHRMNS02
EXT: A PSID: FA
SCLK1: 03947175:00:0 SCLK2: 03947183:81:0
SCET1: 97-128/22:29:16.066 SCET2: 97-128/22:38:16.066
TARGET: JUPITER 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: 157 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: 0326157001 03 26 157 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	01183	0,0001,0001,1000,0011
1	0118B	0,0001,0001,1000,1011
2	0118F	0,0001,0001,1000,1111
3	0118F	0,0001,0001,1000,1111
4	0118F	0,0001,0001,1000,1111
5	0118F	0,0001,0001,1000,1111
6	0118F	0,0001,0001,1000,1111
7	0018F	0,0000,0001,1000,1111
8	0018F	0,0000,0001,1000,1111
9	0018F	0,0000,0001,1000,1111
10	0018F	0,0000,0001,1000,1111
11	0018F	0,0000,0001,1000,1111
12	0018F	0,0000,0001,1000,1111
13	0018F	0,0000,0001,1000,1111
14	0018F	0,0000,0001,1000,1111
15	0018F	0,0000,0001,1000,1111
16	0018F	0,0000,0001,1000,1111
17	0019F	0,0000,0001,1001,1111
18	0019F	0,0000,0001,1001,1111
19	0219F	0,0010,0001,1001,1111
20	0219F	0,0010,0001,1001,1111
21	0211F	0,0010,0001,0001,1111
22	0211F	0,0010,0001,0001,1111
23	0211F	0,0010,0001,0001,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8JNRTHOTS01

OAPEL: G8JNRTHOTS01 ALIAS: G8JNRTHOTS01
EXT: R PSID: FV
SCLK1: 03947213:00:0 SCLK2: 03947213:12:0
SCET1: 1997-128/23:07:41.400 SCET2: 1997-128/23:07:49.400
TARGET: JUPITER 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

G8JNFEA5UM01

OAPEL: G8JNFEA5UM01 ALIAS: G8JNFEA5UM01
EXT: A PSID: FB
SCLK1: 03947220:00:0 SCLK2: 03947225:83:0
SCET1: 97-128/23:14:46.066 SCET2: 97-128/23:20:45.400
TARGET: JUPITER 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: 157 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: 0326157001 03 26 157 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	01183	0,0001,0001,1000,0011
1	0118B	0,0001,0001,1000,1011
2	0118F	0,0001,0001,1000,1111
3	0118F	0,0001,0001,1000,1111
4	0118F	0,0001,0001,1000,1111
5	0118F	0,0001,0001,1000,1111
6	0118F	0,0001,0001,1000,1111
7	0018F	0,0000,0001,1000,1111
8	0018F	0,0000,0001,1000,1111
9	0018F	0,0000,0001,1000,1111
10	0018F	0,0000,0001,1000,1111
11	0018F	0,0000,0001,1000,1111
12	0018F	0,0000,0001,1000,1111
13	0018F	0,0000,0001,1000,1111
14	0018F	0,0000,0001,1000,1111
15	0018F	0,0000,0001,1000,1111
16	0018F	0,0000,0001,1000,1111
17	0019F	0,0000,0001,1001,1111
18	0019F	0,0000,0001,1001,1111
19	0219F	0,0010,0001,1001,1111
20	0219F	0,0010,0001,1001,1111
21	0211F	0,0010,0001,0001,1111
22	0211F	0,0010,0001,0001,1111
23	0211F	0,0010,0001,0001,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8JNTHRMNS03

OAPEL: G8JNTHRMNS03 ALIAS: G8JNTHRMNS03
EXT: A PSID: FC
SCLK1: 03947231:00:0 SCLK2: 03947288:00:0
SCET1: 97-128/23:25:53.400 SCET2: 97-129/00:23:31.400
TARGET: JUPITER 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: 157 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: 0326157001 03 26 157 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	01183	0,0001,0001,1000,0011
1	0118B	0,0001,0001,1000,1011
2	0118F	0,0001,0001,1000,1111
3	0118F	0,0001,0001,1000,1111
4	0118F	0,0001,0001,1000,1111
5	0118F	0,0001,0001,1000,1111
6	0118F	0,0001,0001,1000,1111
7	0018F	0,0000,0001,1000,1111
8	0018F	0,0000,0001,1000,1111
9	0018F	0,0000,0001,1000,1111
10	0018F	0,0000,0001,1000,1111
11	0018F	0,0000,0001,1000,1111
12	0018F	0,0000,0001,1000,1111
13	0018F	0,0000,0001,1000,1111
14	0018F	0,0000,0001,1000,1111
15	0018F	0,0000,0001,1000,1111
16	0018F	0,0000,0001,1000,1111
17	0019F	0,0000,0001,1001,1111
18	0019F	0,0000,0001,1001,1111
19	0219F	0,0010,0001,1001,1111
20	0219F	0,0010,0001,1001,1111
21	0211F	0,0010,0001,0001,1111
22	0211F	0,0010,0001,0001,1111
23	0211F	0,0010,0001,0001,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8JNUM3MAP01

OAPEL: G8JNUM3MAP01 ALIAS: G8JNUM3MAP01
EXT: A PSID: FE
SCLK1: 03947356:87:0 SCLK2: 03947375:85:0
SCET1: 97-129/01:33:14.733 SCET2: 97-129/01:52:26.733
TARGET: JUPITER 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: 100 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: 0326100001 03 26 100 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00187	0,0000,0001,1000,0111
1	00187	0,0000,0001,1000,0111
2	00187	0,0000,0001,1000,0111
3	00187	0,0000,0001,1000,0111
4	00106	0,0000,0001,0000,0110
5	00106	0,0000,0001,0000,0110
6	00106	0,0000,0001,0000,0110
7	00106	0,0000,0001,0000,0110
8	00106	0,0000,0001,0000,0110
9	00106	0,0000,0001,0000,0110
10	00106	0,0000,0001,0000,0110
11	00107	0,0000,0001,0000,0111
12	00107	0,0000,0001,0000,0111
13	00107	0,0000,0001,0000,0111
14	00107	0,0000,0001,0000,0111
15	00107	0,0000,0001,0000,0111
16	00107	0,0000,0001,0000,0111
17	0010F	0,0000,0001,0000,1111
18	0010F	0,0000,0001,0000,1111
19	0010F	0,0000,0001,0000,1111
20	0010F	0,0000,0001,0000,1111
21	0010F	0,0000,0001,0000,1111
22	0010F	0,0000,0001,0000,1111
23	0010F	0,0000,0001,0000,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8JNRTHOTS02

OAPEL: G8JNRTHOTS02 ALIAS: G8JNRTHOTS02
EXT: R PSID: FU
SCLK1: 03947380:00:0 SCLK2: 03947380:12:0
SCET1: 1997-129/01:56:32.733 SCET2: 1997-129/01:56:40.733
TARGET: JUPITER 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

G8JNRTHOTS03

OAPEL: G8JNRTHOTS03 ALIAS: G8JNRTHOTS03
EXT: R PSID: FY
SCLK1: 03947422:00:0 SCLK2: 03947422:12:0
SCET1: 1997-129/02:39:00.733 SCET2: 1997-129/02:39:08.733
TARGET: JUPITER 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

G8JNFEA10401

OAPEL: G8JNFEA10401 ALIAS: G8JNFEA10401
EXT: A PSID: FF
SCLK1: 03947659:00:0 SCLK2: 03947660:58:0
SCET1: 97-129/06:38:38.733 SCET2: 97-129/06:40:18.066
TARGET: JUPITER PARTITION: 1

MODE: 5 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 1 4 6 PTAB_B: 1 1 0 1 4 6
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: 68 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: 0507068001 05 07 068 001
WTGRP_SIZ: 7

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8JNFEA10402

OAPEL: G8JNFEA10402 ALIAS: G8JNFEA10402
EXT: A PSID: FH
SCLK1: 03947699:00:0 SCLK2: 03947699:72:0
SCET1: 97-129/07:19:05.400 SCET2: 97-129/07:19:53.400
TARGET: JUPITER PARTITION: 1

MODE: 5 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 1 4 6 PTAB_B: 1 1 0 1 4 6
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: 68 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: 0507068001 05 07 068 001
WTGRP_SIZ: 7

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8JNFEA12201

OAPEL: G8JNFEA12201 ALIAS: G8JNFEA12201
EXT: A PSID: FI
SCLK1: 03948263:00:0 SCLK2: 03948264:57:0
SCET1: 97-129/16:49:21.333 SCET2: 97-129/16:51:00.666
TARGET: JUPITER PARTITION: 1

MODE: 5 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 1 4 6 PTAB_B: 1 1 0 1 4 6
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: 68 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: 0507068001 05 07 068 001
WTGRP_SIZ: 7

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8NNHEALTH05

```
OAPEL:  G8NNHEALTH05            ALIAS:  G8NNHEALTH05
EXT:    R                       PSID:   KQ
SCLK1:  03948268:00:0           SCLK2:  03948268:12:0
SCET1:  1997-129/16:54:24.666   SCET2:  1997-129/16:54:32.666
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

G8JNFEA12202

```
OAPEL:  G8JNFEA12202            ALIAS:  G8JNFEA12202
EXT:    A                       PSID:   FJ
SCLK1:  03948293:00:0           SCLK2:  03948294:58:0
SCET1:    97-129/17:19:41.333   SCET2:    97-129/17:21:20.666
TARGET: JUPITER                 PARTITION: 1

MODE:      5                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 1 4 6          PTAB_B:    1 1 0 1 4 6
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:   68                  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:    0507068001          05  07  068  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8HNDARK__04

OAPEL: G8HNDARK__04 ALIAS: G8HNDARK__04
EXT: A PSID: FG
SCLK1: 03948301:00:0 SCLK2: 03948301:89:0
SCET1: 97-129/17:27:46.666 SCET2: 97-129/17:28:46.666
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: 32 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: 0326032001 03 26 032 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FDFF	1,1111,1101,1111,1111
1	1FDFF	1,1111,1101,1111,1111
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

G8HNDARK__05

OAPEL: G8HNDARK__05 ALIAS: G8HNDARK__05
EXT: A PSID: FK
SCLK1: 03948854:06:0 SCLK2: 03948855:05:0
SCET1: 97-130/02:46:59.333 SCET2: 97-130/02:47:59.333
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: 32 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: 0326032001 03 26 032 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FDFF	1,1111,1101,1111,1111
1	1FDFF	1,1111,1101,1111,1111
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

G8JNFAB13301

OAPEL: G8JNFAB13301 ALIAS: G8JNFAB13301
EXT: A PSID: FL
SCLK1: 03948863:00:0 SCLK2: 03948870:90:0
SCET1: 97-130/02:56:01.333 SCET2: 97-130/03:04:06.000
TARGET: JUPITER PARTITION: 1

MODE: 5 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 1 4 6 PTAB_B: 1 1 0 1 4 6
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: 68 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: 0507068001 05 07 068 001
WTGRP_SIZ: 7

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8JNFEA13301

OAPEL: G8JNFEA13301 ALIAS: G8JNFEA13301
EXT: A PSID: FM
SCLK1: 03948886:00:0 SCLK2: 03948887:58:0
SCET1: 97-130/03:19:16.666 SCET2: 97-130/03:20:56.000
TARGET: JUPITER PARTITION: 1

MODE: 5 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 1 4 6 PTAB_B: 1 1 0 1 4 6
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: 68 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: 0507068001 05 07 068 001
WTGRP_SIZ: 7

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8JNFAB14601

```
OAPEL:  G8JNFAB14601            ALIAS:  G8JNFAB14601
EXT:    A                       PSID:   FN
SCLK1:  03950051:00:0           SCLK2:  03950056:88:0
SCET1:    97-130/22:57:13.266   SCET2:    97-130/23:03:15.933
TARGET: JUPITER                 PARTITION: 1

MODE:      5                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 0 1 4 6          PTAB_B:    1 1 0 1 4 6
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:   68                  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:    0507068001          05  07  068  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8JNFEA14601

OAPEL: G8JNFEA14601 ALIAS: G8JNFEA14601
EXT: A PSID: FO
SCLK1: 03950073:00:0 SCLK2: 03950074:56:0
SCET1: 97-130/23:19:27.933 SCET2: 97-130/23:21:05.933
TARGET: JUPITER PARTITION: 1

MODE: 5 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 1 4 6 PTAB_B: 1 1 0 1 4 6
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: 68 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: 0507068001 05 07 068 001
WTGRP_SIZ: 7

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	0FC70	0,1111,1100,0111,0000
1	1FDF1	1,1111,1101,1111,0001
2	1F9F0	1,1111,1001,1111,0000
3	0FFF2	0,1111,1111,1111,0010
4	0FFF0	0,1111,1111,1111,0000
5	1FCC1	1,1111,1100,1100,0001
6	00000	0,0000,0000,0000,0000

G8NNPCTRLT01

OAPEL: G8NNPCTRLT01 ALIAS: G8NNPCTRLT01
EXT: R PSID: A
SCLK1: 03954508:00:0 SCLK2: 03954509:12:0
SCET1: 1997-134/02:03:44.466 SCET2: 1997-134/02:04:53.133
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: 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	1FFC0	1,1111,1111,1100,0000
1	1FFC0	1,1111,1111,1100,0000
2	1FFC0	1,1111,1111,1100,0000
3	1FFC0	1,1111,1111,1100,0000
4	1FFC0	1,1111,1111,1100,0000
5	1FFC0	1,1111,1111,1100,0000
6	1FFC0	1,1111,1111,1100,0000
7	1FFC0	1,1111,1111,1100,0000
8	1FFC0	1,1111,1111,1100,0000
9	1FFC0	1,1111,1111,1100,0000
10	1FFC0	1,1111,1111,1100,0000
11	1FFC0	1,1111,1111,1100,0000
12	1FF80	1,1111,1111,1000,0000
13	1FF80	1,1111,1111,1000,0000
14	1FF80	1,1111,1111,1000,0000
15	1FF80	1,1111,1111,1000,0000
16	1FF80	1,1111,1111,1000,0000
17	1FF80	1,1111,1111,1000,0000
18	1FF80	1,1111,1111,1000,0000
19	1FF80	1,1111,1111,1000,0000
20	1FF80	1,1111,1111,1000,0000
21	1FF80	1,1111,1111,1000,0000
22	1FF80	1,1111,1111,1000,0000
23	1FF80	1,1111,1111,1000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8NNPCTRLT01

OAPEL: G8NNPCTRLT01 ALIAS: G8NNPCTRLT01
EXT: S PSID: A
SCLK1: 03954514:00:0 SCLK2: 03954523:12:0
SCET1: 1997-134/02:09:48.466 SCET2: 1997-134/02:19:02.466
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: 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	1FFC0	1,1111,1111,1100,0000
1	1FFC0	1,1111,1111,1100,0000
2	1FFC0	1,1111,1111,1100,0000
3	1FFC0	1,1111,1111,1100,0000
4	1FFC0	1,1111,1111,1100,0000
5	1FFC0	1,1111,1111,1100,0000
6	1FFC0	1,1111,1111,1100,0000
7	1FFC0	1,1111,1111,1100,0000
8	1FFC0	1,1111,1111,1100,0000
9	1FFC0	1,1111,1111,1100,0000
10	1FFC0	1,1111,1111,1100,0000
11	1FFC0	1,1111,1111,1100,0000
12	1FF80	1,1111,1111,1000,0000
13	1FF80	1,1111,1111,1000,0000
14	1FF80	1,1111,1111,1000,0000
15	1FF80	1,1111,1111,1000,0000
16	1FF80	1,1111,1111,1000,0000
17	1FF80	1,1111,1111,1000,0000
18	1FF80	1,1111,1111,1000,0000
19	1FF80	1,1111,1111,1000,0000
20	1FF80	1,1111,1111,1000,0000
21	1FF80	1,1111,1111,1000,0000
22	1FF80	1,1111,1111,1000,0000
23	1FF80	1,1111,1111,1000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8NNRCTRLT01

```
OAPEL:  G8NNRCTRLT01            ALIAS:  LSNNRCTRTA01
EXT:    R                       PSID:   XU
SCLK1:  03955408:00:0           SCLK2:  03955408:12:0
SCET1:  1997-134/17:13:44.400   SCET2:  1997-134/17:13:52.400
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

G8NNRCTRLT01

```
OAPEL:  G8NNRCTRLT01            ALIAS:  LSNNRCTRTA01
EXT:    S                       PSID:   XU
SCLK1:  03955414:00:0           SCLK2:  03955415:12:0
SCET1:  1997-134/17:19:48.400   SCET2:  1997-134/17:20:57.166
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

G8NNRCTRLT01

```
OAPEL:  G8NNRCTRLT01            ALIAS:  LSNNRCTRTA01
EXT:    T                       PSID:   XU
SCLK1:  03955420:00:0           SCLK2:  03955420:12:0
SCET1:  1997-134/17:25:52.400   SCET2:  1997-134/17:26:00.400
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

G8NNRCTRLT02

```
OAPEL:  G8NNRCTRLT02            ALIAS:  LSNNRCTRTB01
EXT:    R                       PSID:   XI
SCLK1:  03988342:00:0           SCLK2:  03988342:12:0
SCET1:  1997-157/20:13:39.200   SCET2:  1997-157/20:13:47.200
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

G8NNRCTRLT02

```
OAPEL:  G8NNRCTRLT02            ALIAS:  LSNNRCTRTB01
EXT:    S                       PSID:   XI
SCLK1:  03988348:00:0           SCLK2:  03988349:12:0
SCET1:  1997-157/20:19:43.200   SCET2:  1997-157/20:20:51.866
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

G8NNRCTRLT02

```
OAPEL:  G8NNRCTRLT02            ALIAS:  LSNNRCTRTB01
EXT:    T                       PSID:   XI
SCLK1:  03988354:00:0           SCLK2:  03988354:12:0
SCET1:  1997-157/20:25:47.200   SCET2:  1997-157/20:25:55.200
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

G8NNOPCAL_01

OAPEL: G8NNOPCAL_01 ALIAS: G8NNOPCAL_01
EXT: R PSID: DN
SCLK1: 04000925:00:0 SCLK2: 04000927:12:0
SCET1: 1997-166/16:16:27.400 SCET2: 1997-166/16:18:36.733
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: 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: 120 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: 0302120000 03 02 120 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	18700	1,1000,0111,0000,0000
1	18700	1,1000,0111,0000,0000
2	18700	1,1000,0111,0000,0000
3	18700	1,1000,0111,0000,0000
4	18700	1,1000,0111,0000,0000
5	18700	1,1000,0111,0000,0000
6	18700	1,1000,0111,0000,0000
7	18700	1,1000,0111,0000,0000
8	18700	1,1000,0111,0000,0000
9	18700	1,1000,0111,0000,0000
10	18700	1,1000,0111,0000,0000
11	18700	1,1000,0111,0000,0000
12	18700	1,1000,0111,0000,0000
13	18700	1,1000,0111,0000,0000
14	18700	1,1000,0111,0000,0000
15	18700	1,1000,0111,0000,0000
16	18700	1,1000,0111,0000,0000
17	18700	1,1000,0111,0000,0000
18	18700	1,1000,0111,0000,0000
19	18700	1,1000,0111,0000,0000
20	18700	1,1000,0111,0000,0000
21	18700	1,1000,0111,0000,0000
22	18700	1,1000,0111,0000,0000
23	18700	1,1000,0111,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8NNDET3AN01

OAPEL: G8NNDET3AN01 ALIAS: G8NNDET3AN01
EXT: R PSID: DA
SCLK1: 04004819:00:0 SCLK2: 04004820:12:0
SCET1: 1997-169/09:53:42.266 SCET2: 1997-169/09:54:50.933
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: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 168 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: 0302168000 03 02 168 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1E700	1,1110,0111,0000,0000
1	1E700	1,1110,0111,0000,0000
2	1E700	1,1110,0111,0000,0000
3	1E700	1,1110,0111,0000,0000
4	1E700	1,1110,0111,0000,0000
5	1E700	1,1110,0111,0000,0000
6	1E700	1,1110,0111,0000,0000
7	1E700	1,1110,0111,0000,0000
8	1E700	1,1110,0111,0000,0000
9	1E700	1,1110,0111,0000,0000
10	1E700	1,1110,0111,0000,0000
11	1E700	1,1110,0111,0000,0000
12	1E700	1,1110,0111,0000,0000
13	1E700	1,1110,0111,0000,0000
14	1E700	1,1110,0111,0000,0000
15	1E700	1,1110,0111,0000,0000
16	1E700	1,1110,0111,0000,0000
17	1E700	1,1110,0111,0000,0000
18	1E700	1,1110,0111,0000,0000
19	1E700	1,1110,0111,0000,0000
20	1E700	1,1110,0111,0000,0000
21	1E700	1,1110,0111,0000,0000
22	1E700	1,1110,0111,0000,0000
23	1E700	1,1110,0111,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

G8NNDET3AN02

```
OAPEL:  G8NNDET3AN02            ALIAS:  G8NNDET3AN02
EXT:    R                       PSID:   DA
SCLK1:  04004842:00:0           SCLK2:  04004843:12:0
SCET1:  1997-169/10:16:58.666   SCET2:  1997-169/10:18:07.333
TARGET: CAL                     PARTITION: 1

MODE:      3                    GAIN:      2
CHOP:      1                    GRAT_OFF:  4
PTAB_A:    1 1 1 0 124          PTAB_B:    1 1 1 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:  168                  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:    0302168000          03  02  168  000
WTGRP_SIZ:  2
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1E700	1,1110,0111,0000,0000
1	1E700	1,1110,0111,0000,0000
2	1E700	1,1110,0111,0000,0000
3	1E700	1,1110,0111,0000,0000
4	1E700	1,1110,0111,0000,0000
5	1E700	1,1110,0111,0000,0000
6	1E700	1,1110,0111,0000,0000
7	1E700	1,1110,0111,0000,0000
8	1E700	1,1110,0111,0000,0000
9	1E700	1,1110,0111,0000,0000
10	1E700	1,1110,0111,0000,0000
11	1E700	1,1110,0111,0000,0000
12	1E700	1,1110,0111,0000,0000
13	1E700	1,1110,0111,0000,0000
14	1E700	1,1110,0111,0000,0000
15	1E700	1,1110,0111,0000,0000
16	1E700	1,1110,0111,0000,0000
17	1E700	1,1110,0111,0000,0000
18	1E700	1,1110,0111,0000,0000
19	1E700	1,1110,0111,0000,0000
20	1E700	1,1110,0111,0000,0000
21	1E700	1,1110,0111,0000,0000
22	1E700	1,1110,0111,0000,0000
23	1E700	1,1110,0111,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

NIMS G8 OBSTAB

This is a time-ordered ASCII TABLE (listing) of GALILEO NIMS observation parameters for use by downlink data processing of the NIMS G8 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)

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  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
  PTAB_B(6)    12  89 - 100     .Second PTAB |...grating start, grating delta...     37MPT, unless special sequence (modes 12-15)
                                .            |...number of grating positions)        in which case values come from 37SS
                                                                                      parameters <tbd>
  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          SEF: 37MB data byte 1, bits 4-8 <tbd>
                                  position blocking, down scan)
# RTISELUP      5 112 - 116     .RTI select, 5 binary bits (for mirror          SEF: 37MB data byte 2, bits 4-8 <tbd>
                                  position blocking, up scan)
  <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_RING   - R - Jupiter rings
   (the single letter abbreviation appears as the third character in the OAPEL name ).
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G8CNGLOBAL01G8CNGLOBAL01ADA03943302:00:003943313:49:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  216LPU  97-126/05:13:14.200  97-126/05:24:54.866
          00000000000000000000000000000000000000000000000000032621600126010000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BD
FF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000000100000
G8CNGLOBAL01G8CNGLOBAL01BDA03943313:60:003943325:19:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  216LPU  97-126/05:25:01.533  97-126/05:36:42.200
          03003003000003002902802802902803203403103103203002903262160012601000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BD
FF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000000100000
G8CNGLOBAL01G8CNGLOBAL01CDA03943325:29:003943336:38:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  216LPU  97-126/05:36:48.866  97-126/05:48:02.200
          00000000000000000000000000000000000000000000000000032621600126010000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BD
FF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000000100000
G8HNDARK__01G8HNDARK__01ADB03943540:00:003943540:90:01         SKY      3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                   32MPW  97-126/09:13:52.866  97-126/09:14:53.533
          00000000000000000000000000000000000000000000000000032603200126011FDFF011FDFF01000000100000010000001000000100000010000001000
00010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000
G8CNVGRGAP01G8CSVGRGAP01AIA03943642:71:003943646:24:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                   32HIS  97-126/10:57:48.200  97-126/11:01:20.200
          00000000000000000000000000000000000000000000000000032603200126011FDFF011FDFF01000000100000010000001000000100000010000001000
00010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000
G8CNSPOLE_01G8CNSPOLE_01ADC03943663:14:003943693:82:01         CALLISTO 1414 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                   96LPU  97-126/11:18:24.200  97-126/11:49:29.533
          00000000000000000000000000000000000000000000000000011309600113011BDFF0100020011BDFF0100020011BDFF0100020011BDFF01000
20011BDFF0100020011BDFF01000200100000
G8CNSPOLAR01G8CSSPOLAR01AIB03943713:24:003943715:73:01         CALLISTO 1414 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                   96HIS  97-126/12:09:04.866  97-126/12:11:38.866
          00000000000000000000000000000000000000000000000000011309600113011BDFF0100020011BDFF0100020011BDFF0100020011BDFF01000
20011BDFF0100020011BDFF01000200100000
G8CNBURI__01G8CNBURI__01ADD03943720:00:003943730:59:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  216LPU  97-126/12:15:52.866  97-126/12:26:38.866
          00000000000000000000000000000000000000000000000000032621600126010000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BD
FF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000000100000
G8CNADLIND01G8CNADLIND01ADE03943735:00:003943753:36:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  216LPU  97-126/12:31:02.866  97-126/12:49:39.533
          00000000000000000000000000000000000000000000000000032621600126010000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BD
FF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000000100000
G8CNADLNDA01G8CSADLNDA01AIC03943773:03:003943775:73:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  216HIS  97-126/13:09:30.200  97-126/13:12:18.866
          00000000000000000000000000000000000000000000000000032621600126010000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BD
FF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000000100000
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G8INTHRMAL01G8INTHRMAL01ADG03944048:00:003944048:51:01         IO       3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 228LPU  97-126/17:47:31.533  97-126/17:48:05.533
          0300300300000300290280280290280320340310310320300290326228001260100105011FDFF0100105011FDFF0100105011FDFF0100105011FD
FF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF01000000100000
G8CNGLOBAL02G8CNGLOBAL02ADF03944057:00:003944070:63:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 216LPU  97-126/17:56:37.533  97-126/18:10:28.200
          0300300300000300290280280290280320340310310320300290326216001260100 0E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BD
FF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000000100000
G8CNGLOBAL02G8CNGLOBAL02BDF03944070:48:003944077:22:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 216LPU  97-126/18:10:18.200  97-126/18:17:05.533
          0000000000000000000000000000000000000000000000000000326216001260100 0E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BD
FF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000E0011BDFF01000000100000
G8INCHEMIS01G8INCHEMIS01ADH03944345:00:003944345:85:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 216LPU  97-126/22:47:49.533  97-126/22:48:46.866
          0300300300000300290280280290280320340310310320300290326216001260100580011BDFF0100580011BDFF0100580011BDFF0100580011BD
FF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF01000000100000
G8INTHRMAL02G8INTHRMAL02ADI03944347:00:003944347:71:01         IO       3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 228LPU  97-126/22:49:50.866  97-126/22:50:38.200
          0300300300000300290280280290280320340310310320300290326228001260100105011FDFF0100105011FDFF0100105011FDFF0100105011FD
FF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF01000000100000
G8INCHEMIS02G8INCHEMIS02ADJ03944576:00:003944576:88:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 216LPU  97-127/02:41:23.466  97-127/02:42:22.800
          0300300300000300290280280290280320340310310320300290326216001260100580011BDFF0100580011BDFF0100580011BDFF0100580011BD
FF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF01000000100000
G8INTHRMAL03G8INTHRMAL03ADL03944610:00:003944610:74:01         IO       3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 228LPU  97-127/03:15:46.133  97-127/03:16:36.133
          0300300300000300290280280290280320340310310320300290326228001260100105011FDFF0100105011FDFF0100105011FDFF0100105011FD
FF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF01000000100000
G8INCHEMIS03G8INCHEMIS03ADM03944612:00:003944613:06:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  97-127/03:17:47.466  97-127/03:18:52.133
          0000000000000000000000000000000000000000000000000000326228001260100580011FDFF0100580011FDFF0100580011FDFF0100580011FD
FF0100580011FDFF0100580011FDFF0100580011FDFF0100580011FDFF0100580011FDFF0100580011FDFF0100580011FDFF0100580011FDFF01000000100000
G8HNDARK__02G8HNDARK__02ADK03944640:00:003944640:89:01         SKY      3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  32LPU  97-127/03:46:06.133  97-127/03:47:06.133
          0000000000000000000000000000000000000000000000000000326032001260 11FDFF011FDFF0100000100000010000001000000100000010
000100000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010
G8INCHEMIS07G8INCHEMIS07ADN03944850:00:003944851:23:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 384MPW  97-127/07:18:26.133  97-127/07:19:42.133
          0000000000000000000000000000000000000000000000000000326384001260 11FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FD
FF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF01000000100000
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G8INTHRMAL07G8INTHRMAL07ADO03944856:00:003944856:86:01         IO       3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 228LPU  97-127/07:24:30.133  97-127/07:25:28.133
          0300300300000300290280280290280320340310310320300290326228001260100105011FDFF0100105011FDFF0100105011FDFF0100105011FD
FF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF0100105011FDFF01000000100000
G8INVOLCAN01G8INVOLCAN01ADP03944860:00:003944860:83:01         IO       3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 228LPU  97-127/07:28:32.800  97-127/07:29:28.800
          0300300300000300290280280290280320340310310320300290326228001260118100011FDFF0118100011FDFF0118100011FDFF0118100011FD
FF0118100011FDFF0118100011FDFF0118100011FDFF0118100011FDFF0118100011FDFF0118100011FDFF0118100011FDFF0118100011FDFF01000000100000
G8INVOLCAN02G8INVOLCAN02ADQ03945039:00:003945039:76:01         IO       3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 228LPU  97-127/10:29:32.133  97-127/10:30:22.800
          0000000000000000000000000000000000000000000000000000326228001260118100011FDFF0118100011FDFF0118100011FDFF0118100011FD
FF0118100011FDFF0118100011FDFF0118100011FDFF0118100011FDFF0118100011FDFF0118100011FDFF0118100011FDFF0118100011FDFF01000000100000
G8INVOLCAN03G8INVOLCAN03ADR03945045:00:003945046:09:01         IO       3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 216LPU  97-127/10:35:36.133  97-127/10:36:43.466
          0300300300000300290280280290280320340310310320300290326216001260118100011BDFF0118100011BDFF0118100011BDFF0118100011BD
FF0118100011BDFF0118100011BDFF0118100011BDFF0118100011BDFF0118100011BDFF0118100011BDFF0118100011BDFF0118100011BDFF01000000100000
G8INCHEMIS04G8INCHEMIS04ADS03945078:00:003945078:89:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 216LPU  97-127/11:08:58.133  97-127/11:09:57.466
          0300300300000300290280280290280320340310310320300290326216001260100580011BDFF0100580011BDFF0100580011BDFF0100580011BD
FF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF01000000100000
G8INTHRMAL04G8INTHRMAL04ADT03945084:00:003945084:86:01         IO       3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 216LPU  97-127/11:15:02.133  97-127/11:15:59.466
          0300300300000300290280280290280320340310310320300290326216001260100105011BDFF0100105011BDFF0100105011BDFF0100105011BD
FF0100105011BDFF0100105011BDFF0100105011BDFF0100105011BDFF0100105011BDFF0100105011BDFF0100105011BDFF0100105011BDFF01000000100000
G8INVOLCAN04G8INVOLCAN04ADU03945138:00:003945141:30:01         IO       3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                 216LPU  97-127/12:09:38.133  97-127/12:13:00.133
          0300300300000300290280280290280320340310310320300290326216001260118100011BDFF0118100011BDFF0118100011BDFF0118100011BD
FF0118100011BDFF0118100011BDFF0118100011BDFF0118100011BDFF0118100011BDFF0118100011BDFF0118100011BDFF0118100011BDFF01000000100000
G8GNOSIRIS01G8GNOSIRIS01ADW03945197:00:003945208:11:01         GANYMEDE 3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 216LPU  97-127/13:09:17.466  97-127/13:20:32.133
          0000000000000000000000000000000000000000000000000000326216001260101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BD
FF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF01000000100000
G8GNURUK__01G8GNURUK__01ADY03945283:00:003945301:73:01         GANYMEDE 3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 216LPU  97-127/14:36:14.800  97-127/14:55:16.133
          0000000000000000000000000000000000000000000000000000326216001260101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BD
FF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF01000000100000
G8GNTRANSI01G8GNTRANSI01ADZ03945304:00:003945311:38:01         GANYMEDE 3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 216LPU  97-127/14:57:28.800  97-127/15:04:59.466
          0000000000000000000000000000000000000000000000000000326216001260101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BD
FF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF01000000100000
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G8GNLIDARK01G8GNLIDARK01AEA03945314:00:003945319:71:01         GANYMEDE 3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 216LPU  97-127/15:07:35.466  97-127/15:13:26.133
          00000000000000000000000000000000000000000000000000000326216001260101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BD
FF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF01000000100000
G8GNMELKAR01G8GNMELKAR01AEB03945333:00:003945341:34:01         GANYMEDE 3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 216LPU  97-127/15:26:48.133  97-127/15:35:16.133
          00000000000000000000000000000000000000000000000000000326216001260101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BD
FF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF0101C00011BDFF01000000100000
G8GNDARTRL01G8GNDARTRL01AEC03945347:00:003945353:55:01         GANYMEDE 3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 384MPW  97-127/15:40:57.466  97-127/15:47:38.133
          00000000000000000000000000000000000000000000000000000326384001260 11FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FD
FF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF011FDFF01000000100000
G8INCHEMIS05G8INCHEMIS05AED03945533:00:003945533:83:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 216LPU  97-127/18:49:01.466  97-127/18:49:57.466
          00000000000000000000000000000000000000000000000000000326216001260100580011BDFF0100580011BDFF0100580011BDFF0100580011BD
FF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF01000000100000
G8INTHRMAL05G8INTHRMAL05AEE03945539:00:003945539:75:01         IO       3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 216LPU  97-127/18:55:05.466  97-127/18:55:56.133
          00000000000000000000000000000000000000000000000000000326216001260100105011BDFF0100105011BDFF0100105011BDFF0100105011BD
FF0100105011BDFF0100105011BDFF0100105011BDFF0100105011BDFF0100105011BDFF0100105011BDFF0100105011BDFF0100105011BDFF01000000100000
G8NNHEALTH02G8NNHEALTH02RKN03945673:00:003945673:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                 003RT 1997-127/21:10:34.8001997-127/21:10:42.800
          00000000000000000000000000000000000000000000000000000302003000 201080442500000

G8JNFEA04101G8JNFEA04101AEH03945691:00:003945692:58:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  43LPU  97-127/21:28:46.800  97-127/21:30:26.133
          00000000000000000000000000000000000000000000000000000507043001 7010DC00011DD81011B980010BD82010BD80011B8810100000

G8JNFEA04101G8JNFEA04101BEH03945691:00:003945692:58:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  25LPU  97-127/21:28:46.800  97-127/21:30:26.133
          00000000000000000000000000000000000000000000000000000507025001 7010207001020700104070010427001042700104440010000 0

G8JNFEA04102G8JNFEA04102AEI03945774:00:003945775:58:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-127/22:52:42.133  97-127/22:54:21.466
          00000000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8INCHEMIS06G8INCHEMIS06AEF03945781:00:003945782:20:01         IO       3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 216LPU  97-127/22:59:46.800  97-127/23:01:00.800
          00000000000000000000000000000000000000000000000000000326216001260100580011BDFF0100580011BDFF0100580011BDFF0100580011BD
FF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF0100580011BDFF01000000100000
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G8INTHRMAL06G8INTHRMAL06AEG03945788:00:003945788:76:01         IO       3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 216LPU  97-127/23:06:51.466  97-127/23:07:42.133
          0000000000000000000000000000000000000000000000000000000032621600126010010501 1BDFF0100105011BDFF0100105011BDFF0100105011BD
FF0100105011BDFF0100105011BDFF0100105011BDFF0100105011BDFF0100105011BDFF0100105011BDFF0100105011BDFF0100105011BDFF01000000100000
G8JNFEA04103G8JNFEA04103AEJ03945820:00:003945821:57:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-127/23:39:12.800  97-127/23:40:52.133
          0000000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8ENCOOLCV01G8ENCOOLCV01REK03945827:00:003945831:12:01         EUROPA   5414 1 1 0 1 4 6 1 1 0 1 4 600100 1110000111 0 0.00.0000
0000000                 051RT 1997-127/23:46:17.4661997-127/23:50:28.133
          0000000000000000000000000000000000000000000000000000506051000 6011FDFF0100000011FDFF011FC00021F8000100000

G8ENWARMCV01G8ENWARMCV01REL03945965:00:003945969:12:01         EUROPA   5414 1 1 0 1 4 6 1 1 0 1 4 600100 1110000111 0 0.00.0000
0000000                 051RT 1997-128/02:05:49.4661997-128/02:10:00.133
          0000000000000000000000000000000000000000000000000000506051000 6011FDFF0100000011FDFF011FC00021F8000100000

G8JNPFTB1001G8JNPFTB1001AEM03946355:00:003946361:83:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 1110000111 1 2.00.3000
0065525                  43LPU  97-128/08:40:09.400  97-128/08:47:08.733
          0000000000000000000000000000000000000000000000000000507043001 7010DC00011DD81011B980010BD82010BD80011B8810100000

G8JNPFTB1001G8JNPFTB1001BEM03946355:00:003946361:83:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 1110000111 1 2.00.3000
0065525                  25LPU  97-128/08:40:09.400  97-128/08:47:08.733
          0000000000000000000000000000000000000000000000000000507025001 7010207001020700104070010427001042700104440010000

G8JNFEASUB01G8JNFEASUB01AEO03946389:00:003946394:83:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 1110000111 1 2.00.3000
0065525                 253LPU  97-128/09:14:32.066  97-128/09:20:31.400
          0000000000000000000000000000000000000000000000000000032625300126011 7FC00117FC00117FC00117FC00117FC00117FC00117FC0011FF
C0011FF80011FFC0010FFC0010FFC0010FFC0010FFC0010FFC0010FFC0011FF80011FF80011FF00011FF00011FF80011FF80011FF80011FF80010D7800105780
G8JNFEAP1001G8JNFEAP1001AEP03946400:00:003946404:85:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 1110000111 1 2.00.3000
0065525                  68LPU  97-128/09:25:39.400  97-128/09:30:38.733
          0000000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8JNPFTB1002G8JNPFTB1002AEQ03946410:00:003946416:83:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 1110000111 1 2.00.3000
0065525                  68LPU  97-128/09:35:46.066  97-128/09:42:45.400
          0000000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8ENEURORT01G8ENEURORT01RKA03946441:00:003946441:12:01         EUROPA   3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-128/10:07:06.7331997-128/10:07:14.733
          0000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

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G8JNFEA01001G8JNFEA01001AER03946497:00:003946498:57:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-128/11:03:44.066  97-128/11:05:23.400
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8JNPFTB1003G8JNPFTB1003AES03946508:00:003946514:83:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-128/11:14:51.400  97-128/11:21:50.733
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8JNFEAP1002G8JNFEAP1002AET03946520:00:003946524:85:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-128/11:26:59.400  97-128/11:31:58.733
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8NNHEALTH04G8NNHEALTH04RKP03947017:00:003947017:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                 003RT 1997-128/19:49:30.7331997-128/19:49:38.733
          00000000000000000000000000000000000000000000000000302003000 201080442500000

G8JNFEAP7101G8JNFEAP7101AEU03947029:00:003947033:85:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-128/20:01:38.733  97-128/20:06:38.066
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8JNPFTB7101G8JNPFTB7101AEV03947040:00:003947046:83:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  43LPU  97-128/20:12:46.066  97-128/20:19:45.400
          00000000000000000000000000000000000000000000000000507043001 7010DC00011DD81011B980010BD82010BD80011B8810100000

G8JNPFTB7101G8JNPFTB7101BEV03947040:00:003947046:83:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  25LPU  97-128/20:12:46.066  97-128/20:19:45.400
          00000000000000000000000000000000000000000000000000507025001 7010207001020700104070010427001042700104440010000

G8JNPFTB7102G8JNPFTB7102AEW03947091:00:003947097:83:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-128/21:04:20.066  97-128/21:11:19.400
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8JNFEAP7102G8JNFEAP7102AEX03947104:00:003947108:84:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-128/21:17:28.733  97-128/21:22:28.066
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8JNFEA53M01G8JNFEA53M01AEY03947152:06:003947158:02:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 157LPU  97-128/22:06:04.733  97-128/22:12:06.733
          00000000000000000000000000000000000000000000000000326157001260101183010118B010118F010118F010118F010118F010118F01001
8F010018F010018F010018F010018F010018F010018F010018F010018F010018F010019F010019F010219F010219F010211F010211F010211F01000000100000
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G8JNTHRMNS02G8JNTHRMNS02AFA03947175:00:003947183:81:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 157LPU  97-128/22:29:16.066  97-128/22:38:16.066
          000000000000000000000000000000000000000000000000000032615700126010118301011 8B010118F010118F010118F010118F010118F01001
8F010018F010018F010018F010018F010018F010018F010018F010018F010018F010019F010019F010219F010219F010211F010211F010211F01000000100000
G8JNRTHOTS01G8JNRTHOTS01RFV03947213:00:003947213:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-128/23:07:41.4001997-128/23:07:49.400
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

G8JNFEA5UM01G8JNFEA5UM01AFB03947220:00:003947225:83:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 157LPU  97-128/23:14:46.066  97-128/23:20:45.400
          000000000000000000000000000000000000000000000000000032615700126010118301011 8B010118F010118F010118F010118F010118F01001
8F010018F010018F010018F010018F010018F010018F010018F010018F010018F010019F010019F010219F010219F010211F010211F010211F01000000100000
G8JNTHRMNS03G8JNTHRMNS03AFC03947231:00:003947288:00:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 157LPU  97-128/23:25:53.400  97-129/00:23:31.400
          000000000000000000000000000000000000000000000000000032615700126010118301011 8B010118F010118F010118F010118F010118F01001
8F010018F010018F010018F010018F010018F010018F010018F010018F010018F010019F010019F010219F010219F010211F010211F010211F01000000100000
G8JNUM3MAP01G8JNUM3MAP01AFE03947356:87:003947375:85:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                 100LPU  97-129/01:33:14.733  97-129/01:52:26.733
          000000000000000000000000000000000000000000000000000032610000126010018701001870100187010018701001060100106010010601001
0601001060100106010010601001070100107010010701001070100107010010701001070100107010010F010010F010010F010010F010010F010010F010010F01000000100000
G8JNRTHOTS02G8JNRTHOTS02RFU03947380:00:003947380:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-129/01:56:32.7331997-129/01:56:40.733
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

G8JNRTHOTS03G8JNRTHOTS03RFY03947422:00:003947422:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 408RT 1997-129/02:39:00.7331997-129/02:39:08.733
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

G8JNFEA10401G8JNFEA10401AFF03947659:00:003947660:58:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-129/06:38:38.733  97-129/06:40:18.066
          000000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8JNFEA10402G8JNFEA10402AFH03947699:00:003947699:72:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-129/07:19:05.400  97-129/07:19:53.400
          000000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8JNFEA12201G8JNFEA12201AFI03948263:00:003948264:57:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-129/16:49:21.333  97-129/16:51:00.666
          000000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

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G8NNHEALTH05G8NNHEALTH05RKQ03948268:00:003948268:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                 003RT 1997-129/16:54:24.6661997-129/16:54:32.666
          00000000000000000000000000000000000000000000000000302003000 201080442500000

G8JNFEA12202G8JNFEA12202AFJ03948293:00:003948294:58:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-129/17:19:41.333  97-129/17:21:20.666
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8HNDARK__04G8HNDARK__04AFG03948301:00:003948301:89:01         SKY      3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  32LPU  97-129/17:27:46.666  97-129/17:28:46.666
          00000000000000000000000000000000000000000000000000032603200126011FDFF011FDFF0100000010000001000000100000010000001000
0001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000
G8HNDARK__05G8HNDARK__05AFK03948854:06:003948855:05:01         SKY      3314 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  32LPU  97-130/02:46:59.333  97-130/02:47:59.333
          00000000000000000000000000000000000000000000000000032603200126011FDFF011FDFF0100000010000001000000100000010000001000
0001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000010000001000000100000
G8JNFAB13301G8JNFAB13301AFL03948863:00:003948870:90:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-130/02:56:01.333  97-130/03:04:06.000
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8JNFEA13301G8JNFEA13301AFM03948886:00:003948887:58:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-130/03:19:16.666  97-130/03:20:56.000
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8JNFAB14601G8JNFAB14601AFN03950051:00:003950056:88:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-130/22:57:13.266  97-130/23:03:15.933
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8JNFEA14601G8JNFEA14601AFO03950073:00:003950074:56:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  68LPU  97-130/23:19:27.933  97-130/23:21:05.933
          00000000000000000000000000000000000000000000000000507068001 7010FC70011FDF1011F9F0010FFF2010FFF0011FCC10100000

G8NNPCTRLT01G8NNPCTRLT01RA 03954508:00:003954509:12:01         IO       3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-134/02:03:44.4661997-134/02:04:53.133
          00000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

G8NNPCTRLT01G8NNPCTRLT01SA 03954514:00:003954523:12:01         IO       3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-134/02:09:48.4661997-134/02:19:02.466
          00000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

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G8NNRCTRLT01LSNNRCTRTA01RXU03955408:00:003955408:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-134/17:13:44.4001997-134/17:13:52.400
          000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G8NNRCTRLT01LSNNRCTRTA01SXU03955414:00:003955415:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-134/17:19:48.4001997-134/17:20:57.166
          000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G8NNRCTRLT01LSNNRCTRTA01TXU03955420:00:003955420:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-134/17:25:52.4001997-134/17:26:00.400
          000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G8NNRCTRLT02LSNNRCTRTB01RXI03988342:00:003988342:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-157/20:13:39.2001997-157/20:13:47.200
          000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G8NNRCTRLT02LSNNRCTRTB01SXI03988348:00:003988349:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-157/20:19:43.2001997-157/20:20:51.866
          000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G8NNRCTRLT02LSNNRCTRTB01TXI03988354:00:003988354:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 252RT 1997-157/20:25:47.2001997-157/20:25:55.200
          000000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

G8NNOPCAL_01G8NNOPCAL_01RDN04000925:00:004000927:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 120RT 1997-166/16:16:27.4001997-166/16:18:36.733
          000000000000000000000000000000000000000000000000000302120000 224187000200000

G8NNDET3AN01G8NNDET3AN01RDA04004819:00:004004820:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                 168RT 1997-169/09:53:42.2661997-169/09:54:50.933
          000000000000000000000000000000000000000000000000000302168000 2241E7000200000

G8NNDET3AN02G8NNDET3AN02RDA04004842:00:004004843:12:01         CAL      3214 1 1 1 0 124 1 1 1 0 12400100 1101111011 0 0.00.0000
0000000                 168RT 1997-169/10:16:58.6661997-169/10:18:07.333
          000000000000000000000000000000000000000000000000000302168000 2241E7000200000

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